

**Empowering people
through Education!**



SELF STUDY REPORT

PART-1

Submitted to:
National Assessment and Accreditation Council, Bengaluru

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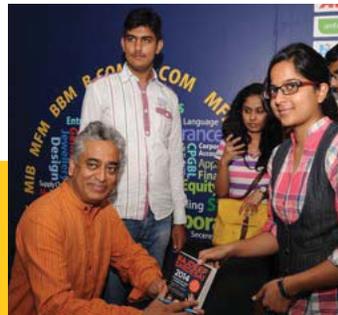
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PREFACE

Jain University is committed to nurturing excellence in higher education, research, entrepreneurship and innovation. The University in its role as an educational institution of repute is acting as a catalyst in these areas and will continue in its endeavours. A significant aspect of ensuring perpetual excellence in academic endeavours is assuring quality initiatives, sustenance and enhancement.

In its quest towards continued improvement, the University has achieved many more milestones since the last visit of the esteemed NAAC Peer Team. I would like to have the opportunity to showcase these achievements, among others, during the re-assessment exercise. The NAAC Self Study Report (SSR) is a major component of this re-assessment exercise. It has been prepared after a critical analysis of all the academic and administrative systems and processes implemented by the University to provide impact-based teaching and research within an ethical framework governed by the vision and mission of the University.

A core belief at Jain University is that educational institutions are also the cornerstones for national development which guides the initiatives taken by us towards development of youth, community engagement and contributions towards the society at large.

The University's programmes have been

designed with an open-minded interdisciplinary approach to provide foundation-level as well as advanced training to students in their chosen areas of study. The cutting-edge research undertaken in existing and emerging areas by the University stands testimony to our dedication towards playing a progressive role in the economic, social and cultural spheres.

The SSR would provide the esteemed NAAC Peer Team with a well-documented presentation of the University's faculties, dedicated research centres, administrative units and student support systems, the methodologies which govern our teaching-learning processes and the ways in which all our stakeholders have benefitted from these.

The SSR is a result of the contributions made by all our stakeholders. The Internal Quality Assurance Cell (IQAC) has made a conscious effort to collate the inputs and highlight them as appropriate in the prescribed format. I acknowledge the dedication of the IQAC. The SSR has given the perfect opportunity to highlight our strengths and understand our limitations. It has provided us with the impetus to further strengthen our processes and systems.

We deem it our duty and privilege to place this SSR before the esteemed members of the NAAC Peer Team.

Bangalore
15th March 2017

Dr. N. Sundararajan
Vice Chancellor



EXECUTIVE SUMMARY

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Introduction

Jain University was declared as a Deemed to be University in December 2008 and commenced its academic programmes from July 2009. Over the last seven years, the University has made conscious and concerted efforts to build on its

strengths and consolidate its achievements. The University chose for itself a Vision to 'Foster Human Development through Excellence in Quality Education, Research and Entrepreneurial Development'.

The Mission Statement of the University is as follows:



To provide quality education, create human assets and intellectual capital.



To enhance research and development in different disciplines.



To develop a new generation of entrepreneurs who will be instrumental in fueling economic growth.



To create able Leaders, Managers and Technocrats.



To foster an ethical environment in which both spirit and skill will thrive based on human values and the quality of life will be enriched.

The University is spread across five campuses and has established six different Faculties: Faculty of Commerce, Faculty of Engineering and Technology, Faculty of Humanities and Social Sciences, Faculty of Management, Faculty of Languages and Faculty of Sciences. The University has Research, Postgraduate and Undergraduate Programmes in all the faculties. Each Faculty has carved out a niche for itself as a 'space for educational excellence' in its chosen domain and has a stamp of 'unique authenticity' adding tremendous academic value. The following are the Schools of the University:-

1. School of Commerce
2. School of Computer Science and IT
3. School of Engineering and Technology

4. School of Humanities and Social Sciences
5. International Institute of Aerospace Engineering & Management
6. School of Interior Design
7. School of Management (UG)
8. School of Management (PG)
9. School of Sciences

To briefly trace the history of Jain University, it began as Sri Bhagawan Mahaveer Jain College at VV Puram in 1990. As a 'campus with a difference', the institution offered traditional courses in the Arts, Commerce, Science and Management streams with an important 'value added' component both in terms of the

`content` of education and more importantly in the `context` of learning. Aiming to create young citizens with a global outlook grounded in local reality, the academic ambience at the campus coupled with the exciting new innovations in learning methodologies made academic life at the campus creative in significantly unique ways. The institution came to be recognized as a `college` that placed a premium on quality, innovation and excellence. As a response to the growing demands and pressures for admission, with the permission of Bangalore University, separate campuses were set up. The Campus at J.C.Road focused on undergraduate programmes, the one located on Palace Road became the management campus and a Centre for Postgraduate Studies was established at Jayanagar. With an intent to provide professional engineering education in a salubrious academic environment, the Engineering College affiliated to VTU was setup at the Global Campus, Kanakapura. Each of these institutions had a flavor of uniqueness with the stamp of quality and excellence clearly evident. No compromises were made in terms of providing state of the art facilities, recruiting the best, well-qualified and motivated faculty and providing a slew of value added programmes in order to provide every learner the unique joy of learning. Given the focus on higher education, quality research was consciously promoted at each of the institutions.

Curriculum Design and Development

Today, Jain University has all its five locations integrated into its fold. There is a conscious effort to pool talent and resources strategically so that the learning process is enriched in the best possible way.

The University has 33 Undergraduate programmes out of which 14 are in innovative and emerging areas. These include:

- ➔ B.Tech in Aerospace Engineering
- ➔ B.Sc in Interior Design
- ➔ B.Sc in Animation
- ➔ BCA in IT Information Security and Infrastructure Management
- ➔ BCA in Information Security and Mobile Applications
- ➔ BCA in Cloud Technology
- ➔ B.Com in Marketing / Finance / Accounting / Finance and Actuarial Studies / Global Business Services / Financial Markets
- ➔ B.Com. (Honours) in Accounting/Finance, B.Com. (Honours) in International Finance and Accounting
- ➔ B.Com.(Honours) in Risk Management, B.Com.(Honours) in Global Accounting Practice
- ➔ Bachelor of Management Studies (BMS) in Financial Services
- ➔ Bachelor of Management Studies (BMS) in International Business

The University has 45 Postgraduate courses including 04 postgraduate diploma programmes, of which 21 are in niche emerging and innovative areas. These include:

- ➔ M.Tech in Aerospace Engineering (Aerospace Structures / Avionics / Propulsion)
- ➔ M.Tech in Energy Engineering/Energy Management & Climate Change Technology
- ➔ M.Tech in Building Science & Technology (Multidisciplinary with Civil Engineering, Electrical & Electronics Engineering and Mechanical Engineering)
- ➔ M.Tech. in Food Technology (Multidisciplinary with Engineering & Technology and Sciences)

- ➔ M.Sc in Storage and Cloud Technology
- ➔ M.Sc. in Information Technology
- ➔ MBA in Entrepreneurship
- ➔ MBA in Aviation Business Management (Multidisciplinary with Engineering and Management)
- ➔ M.Com with specialization in Financial Analysis
- ➔ MA in Journalism and Mass Communication

The University has accorded primacy to research and has a rigorous and well-structured Ph.D. programme in a wide range of disciplines. The latest UGC guidelines and norms have been strictly implemented. A clearly defined course work schedule for doctoral students, which involves 16 credits (240 hours) of face-to-face interaction has been put in place and provides the right foundation for developing the appropriate and congenial ambience for a research scholar. The course work includes a very effective skill development programme geared to meet the research and professional needs of scholars across domains. Scholars are encouraged to choose research problems which cut across domains and the coursework is used as a platform to provide the skill set they would need to undertake interdisciplinary research. Given the strong premium on quality and innovation, leading Research laboratories based at Bengaluru namely Indian Council for Agricultural Research, Indian Institute of Horticultural Research, National Bureau of Agriculturally Important Insects, National Centre for Biological Sciences, National Institute of Veterinary Epidemiology and Disease Informatics, Central Power Research Institute, Raman Research Institute and Indian Institute of Science, have signed Memorandums of Understanding (MoUs) with the University for collaboration in the Doctoral programmes. The M.Phil course is structured as a stepping stone

to a full-fledged doctoral programme and has become very popular. The rigour that is followed in the Doctoral programme applies for the M.Phil course also. All these initiatives are in consonance with the Mission statement that was crafted by the stakeholders of the University.

The University has introduced Choice Based Credit System (CBCS) across faculties as per UGC guidelines in the year 2016 for all the Undergraduate courses. A handbook has been prepared for the same. It has been refined and improved by including value added courses and flexibility in elective courses and Industry related courses developed by the University-Industry Interface Cell. The Boards of Studies meet regularly and update and revise the syllabi on need basis. The Internal Quality Assurance Cell (IQAC) has a well-defined and tested mechanism to get feedback about the courses/programmes and the feedback is used to introduce new courses and modify the existing ones.

Admissions

The University ensures transparency in its admission process. The selection procedure is purely based on merit. The University also follows the policy prescribed by the Government for reservation.

Teaching – Learning and Evaluation

(A) Teaching- Learning

The teaching-learning and the process of evaluation are governed by the principles of transparency, innovation and wholesome development.

The courses are designed to cater to student diversity and their ability to cope with the programmes. In order to provide quality education, the conventional teaching methodologies are complemented with use of

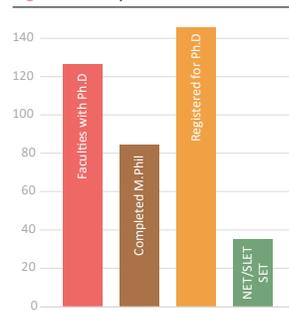
ICT and digital technology. Several innovative pedagogies such as adaptive learning, case studies, interactive tutorials, cognitive and affective learning are used.

An important asset that the University is proud of is its faculty. Their level of commitment, depth of knowledge, sense of dedication and taking ownership of processes make them an invaluable and integral part of the system. Most of our faculty members take multi-tasking in their stride and see themselves as lifelong learners. They are team players and this creates a healthy work environment.

The University encourages its faculty members to upgrade their skills regularly. Faculty Development Programmes are conducted in every academic session and they are encouraged to organize and attend seminars, conferences and workshops.

Jain University is proud of the fact that most of its faculty are leading researchers and scholars of international repute. Many of the faculty members have been recognized for their potential. The University boasts of more than 160 such honours and recognitions.

Figure- Faculty Qualifications

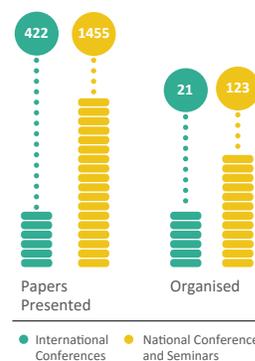


Of the Jain University faculty, 130 regular faculties have Ph.D. degrees and 83 have completed their M.Phil. 143 of the faculty have registered for Ph.D. and are at different stages of their research work. About 38 faculty members have NET/ SLET/ SET qualifications. This feat has been achieved through a combination of a strong will to add to their knowledge on the part of our faculty members and the support and encouragement of the

management for the same.

Our faculty have presented papers in 422

Figure-Academic enrichment activities.



International Conferences and 1455 National Conferences. The University has organized 21 International Conferences and Seminars and 132 National Conferences and Seminars. These Conferences and Seminars organized

and papers presented are across all domains in the University. The University also conducts Faculty Development Programmes through the Academic Staff College of the University. Till date, the University has conducted 214 Faculty Development Programmes (FDPs).

(B) Evaluation

The University has introduced large scale reforms in the examination and evaluation system. The students undergo a continuous evaluation process. The “ERP software package” developed by the University covers the entire spectrum of the University activity right from the time the student sends in the application for joining the course, till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conduct and evaluation of the examinations. The Examination Controller’s Office ensures timely and prompt declaration of results. Photocopies of answer scripts are made available to students if they apply for it. The minimum percentage for passing has been increased from 35% to 40%.

Research, Consultancy and Extension

The University has inculcated a culture of

research and is supporting high quality research at all levels. All the Post Graduate Departments and most of the Undergraduate Departments are actively involved in research activities. Cutting edge and frontier research is being carried out catering to regional and national requirements.

The University has a Research Development Cell (RDC) chaired by the Vice-Chancellor which coordinates its research activities. The RDC coordinates all major and minor research proposals, organizing of international and national conferences / seminars / workshops and deputation of faculty for conferences . The University is especially promoting research in the areas in which the faculty members working under different departments and research centres specialize.

Dedicated research centres in existing and emerging areas have been established to promote cutting-edge research. Faculty of the University engage in research with impact through research projects, presentation of research findings in prestigious conferences and seminars both internationally and nationally and publishing papers in refereed academic and research journals of repute. The University is proud of the fact that since 2009, the faculty members of the University have published 2860 research papers.

The University, especially through its dedicated Centers for Research, has entered into collaborations with leading universities, research institutions/laboratories and prestigious corporate bodies for undertaking research and consultancy.

It is also important to record that the University faculty have filed 27 patents in different specialized areas and 04 patents have been granted. The University has completed 60 externally funded projects with an outlay of Rs 1344.03 Lakhs and has 37 ongoing projects with an outlay of Rs.1186.00 Lakhs. 18 in-house projects are completed with

an outlay of Rs.16.23 Lakhs. There are 15 ongoing consultancy projects generating a revenue of Rs.158.36 Lakhs. 37 consultancy projects generating a revenue of Rs. 231.28 Lakhs have been completed.

Dedicated Research Centers

Faculty of Sciences

i) Center for Nano and Material Sciences (CNMS)

The CNMS focuses its research on areas such as energy production, water treatment and health issues.

Some of its innovative projects include

a) design and development of a photoactive float for disinfection of water and elimination of emerging contaminants (pharmaceuticals, personal care products and endocrine disruptive chemicals);

b) a Nano filtration and reverse osmosis membrane based panels for complete elimination of heavy metals of serious concern such as cadmium, chromium, lead and arsenic;

c) a quantum dot sensitized solar cell replacing dye molecules with a range of quantum dots stacked for an enhanced stability and multi excitation in third generation liquid junction solar cells; an electrochemical sensor to detect chromium, ammonia and phosphate; a low cost flexible-organic hybrid solar cell using polymer-fullerene based on donor acceptor antenna system; and

d) a Design of non-oxide supported zeolite catalysts for enhancement of octane number in petroleum products.

Faculty of Engineering and Technology

The research centres under the Faculty of

Engineering and Technology are Center for Disaster Mitigation (CDM), Fire and Combustion Research Center (FCRC), Centre for Research in Aerospace Engineering and Management (CRAEM), Center for Emerging Technologies (CET).

ii) The Center for Disaster Mitigation (CDM)

carries out research, testing and consultancy in the areas of Earthquakes, Floods and Droughts and Solid Waste Utilization. Major research work completed pertaining to earthquake till now includes study of earthquakes that involves strong motion data analysis using intrinsic modes, development of stochastic critical earthquakes for safety sensitive structures, earthquake source modeling and soil amplification studies. In the area of rainfall and drought, an empirical mathematical model for time series of annual, seasonal and monthly rainfall in India, its homogeneous regions and subdivisions of Karnataka is being developed for one step ahead forecasting. Major completed projects include Statistical Analysis of Indian Monsoon Rainfall.

iii) The Fire and Combustion Research Center (FCRC)

conducts research and development in innovative areas covered under the research agenda of Jain University. Fire safety and related combustion studies are in a state of infancy in India and promotion of R & D activities in this area will be in tune with the objectives of Jain University. Towards this, a collaborative arrangement of Underwriters Laboratories (India Division) already exists with The JGI Group. Under this, a state of the art testing laboratory called Underwriters Laboratories – Jain Fire Lab (ULJFL) has been established at the Jain Global Campus. Due to continued testing activities, ULJFL is in continuous interaction with major players in global fire safety industry. This arrangement provides an excellent opportunity to develop a focused research group working in the area of fire and

combustion research. ULJFL interactions have been utilized to create a research environment where frontier R & D issues of fire industry can be addressed in the Indian context. The lab and activities undertaken under its aegis have provided a major boost to the research at Jain University and has also provided it global visibility.

In the area of solid waste utilization, two new stove configurations with higher efficiency for clean combustion of processed biomass waste have been developed and patents have been granted for the same. The technologies have been transferred to manufacturers for product development. Another major project completed is the Demonstration and Implementation of New Biomass Burning Device and Performance Testing of IR Detector Controlled Fog Jet Monitors.

iii) The Centre for Research in Aerospace Engineering and Management (CRAEM)

has a mission to generate high quality human resources in the field of Aerospace engineering and aviation business and aims at pursuing research excellence in these fields. The USP of the research centre is its orientation to meet industry needs through continuing research, education and enrichment programmes addressing the needs of practitioners. It is currently executing research projects in the areas of autonomous flights, structural health monitoring, structural damage mitigation, nano polymer composites and remote sensing using aerospace technologies. It has been awarded projects by Aeronautics Research and Development Board under DRDO on Structural Damage Mitigation. The Centre also has collaborations with prominent international and national agencies such as the International Institute for Advanced Aerospace Technologies (IIAAT), St. Petersburg, Russia for joint development of static simulator, the Institute Aéronautiques et Spatial (IAS), Toulouse, France for capacity building, assistance

for industry and CSIR-NAL for Facility use, Flight test and student projects. The academic and research activities of the Center is ably supported by various aerospace industries and National laboratories like Hindustan Aeronautics Ltd. (HAL), National Aerospace Laboratories (NAL), Defense Research & Development Organization (DRDO), Indian Space Research Organization (ISRO) and other leading aerospace organizations under the initiative of Society of Indian Aerospace Technologies & Industries (SIATI).

iv) The Center for Emerging Technologies (CET) is an innovative example of industry-academia collaboration. It is housed at the School of Engineering and Technology and focuses on research in the frontier areas of engineering, technology and science. It has a range of projects and consultancy programmes with prestigious research organizations and corporate bodies across the world. Its thrust areas of research include Autonomous and Intelligent Systems (Aero & Space, Marine, Terrestrial); MEMS, Materials, Nano bio Sciences and Engineering, Digital Signal Processing & Radio Frequency Communication, Rapid Prototyping and Coating, Water and Energy.

CET collaborates with reputed organizations like the DRDO, DST, DOS, ISRO, DAE, MOFPI and MNRE and TUV, Rhineland. Faculties at the Center have published in leading journals and have also filed for patents. Its researchers have developed products in collaboration with the industry. The Center also runs industry linked Masters Programmes.

Faculty of Humanities and Social Sciences

At present the faculty of Humanities and Social Sciences, is home to two Research Centers namely, Center for Research in Social Sciences and Education (CERSSE) and, Center for Research in Ancient History and Culture (CAHC).

v) The Center for Research in Social Sciences and Education (CERSSE) undertakes research in the fields of Democracy and Election studies, Federalism, Survey based research of public attitudes besides developing and testing learner centered classroom dialogue materials. Its resources and expertise have been recognized by the Forum of Federations (The International Network on Federalism) and the Center is involved in consultancy for Constitutional Design in the South Sudan and capacity building for transition to democracy and decentralization in Myanmar. The Center has carried out several Train the Trainer programmes and workshops funded by Department for International Development (DFID), Canada and Forum of Federations. CERSSE was assigned the task by the Karnataka Knowledge Commission to undertake the first ever survey based youth study in Karnataka to tap the aspirations, expectations and perceptions of the youth in the state. This study led to the Center being invited by the Government of Karnataka to participate in the drafting of the State Youth Policy with the Director of the Center nominated as the Chairman of the Drafting Committee of the State Youth Policy. The Policy has since been gazetted by the Government of Karnataka and being implemented. The Center also partnered with WIPRO Technologies in creating MISSION10x, an intervention programme in Engineering education aimed at transforming the dynamics of the teaching-learning processes in the engineering classroom. The objective of the programme was to develop in the engineer the skill sets required for the work place through classroom interactions.

vi) Center for Research in Ancient History and Culture (CAHC) has been established with a view to present an objective analysis of Ancient Indian History. The research work in the center intends to review scholarly works on Vedic culture and present Indian history in the right perspective.

The thrust areas of research include Monographs on Indian Astronomy before Siddhantha Period, Manuscriptology and to bring out a three volume encyclopedia on technical-scientific terminologies used in ancient Indian literature.

Faculty of Management

vii) The Chenraj Roychand Center for Entrepreneurship (CRCE) has done path-breaking work in providing strategic support and mentoring entrepreneurs venturing into business. Till date 40 companies have been successfully incubated under its aegis. The Center has developed a 21 step model to guide the aspirants to become an entrepreneur. As one of the Business Incubation Centers of the University, CRCE plays a critical role in realizing the goals set by the University in terms of entrepreneurial development. Besides, the DST has approved financial support to the Technology Business Incubator (TBI) at Jain University. Alsthom, France has also pledged support to the TBI. A not-for-profit company, Jain University Incubation Centre(JUIC) has been incorporated for the purpose as stipulated by the DST, Govt of India.

JUIC has incubated the following 5 companies to date, after reviewing more than 50 applications

SYNK Labs Private Limited

Passion Connect Technologies LL

Red Lounge Capital Pvt. Ltd.

G Seas Technologies LL

HachikoTechnolgoies Pvt. Ltd.

Extension and Outreach Activities

Jain University hosts several co-curricular and extracurricular activities throughout the academic year and has several clubs and associations which function under the able guidance of our

staff members. Some of these are:

a) NSS, NCC and Rotaract Club exist on the Campus and several students have enrolled in these programmes and excelled. They have won prizes, awards and recognition both at the national and state levels. The 2A/5 Company- 7 Kar BN NCC, the Boys unit of NCC has bagged the Best Institution Award 13 consecutive times, both when we were part of Bangalore University and now as Jain University. The 1/9 Company 9 Kar BN NCC Girls unit achieved this distinction on 3 occasions. The NSS wing has won the Best Programme Officer Award and the Best Performing Unit Award. Many of the students who were part of the NCC have subsequently joined the Army and done the nation proud. The NSS units have adopted villages in and around Kanakapura to make the region Cataract free.

b) Community Radio: A community radio service “Radio Active” is managed by the University. It broadcasts programmes that focus on social issues and community service. An outreach activity of the University to promote inclusive development and make a difference at the grassroots, the community radio has touched the lives of several people till this day.

c) Specialised Cells: The University has established several Cells to promote focused development of talent and coordinate the outreach activities. These include

a. The IQAC coordinates the quality initiatives at the University involving faculty, non-teaching staff as well as students.

b. The University has a Women’s Cell which conducts awareness programmes to promote gender sensitivity. These programmes (for faculty, non-teaching staff and students) have proved to be very popular and useful. Given the fact that women constitute a majority of the faculty

at the University and nearly half of our student communities, these programmes are considered very crucial for the holistic development of each learner. The Women's Cell is always available for girl students if and when they face a challenge and require support.

c. The University has a Counseling Cell called Vishwas with professional counselors who coordinate its services with units on each of the campuses. Its services are available for both students and faculty .

d. The University has also started KALARAVA, an outreach counseling cell available to the general public (students, teachers and parents) besides a play therapy center.

Infrastructure and Learning Resources

Jain University has created an infrastructure that meets the highest standards. Each campus boasts of specialized infrastructure for imparting quality education. Aesthetically designed, all the buildings create an environment conducive to making learning an enjoyable, memorable and enriching experience. Some of the campuses are centrally air conditioned and all the institutions have well ventilated classrooms with state of the art facilities. Key features include:

a) Learning Resources: Well stocked libraries and reading rooms with relevant reading materials and digital resources. The libraries at all campuses are well-stocked with reference books and books for borrowing. They are fully automated with latest software online database like IEEE & ASME, EBSCO EMERALD & AEAA. There are reprographic and screening facilities. Currently there are 25,904 E –Journals.

b) Academic and Research Infrastructure: State of the art laboratories equipped for experiments and practical exposure required for research

and teaching are available. Besides subject specific labs, the University also has Computer laboratories with 24 by 7 Internet connectivity for use of faculty, researchers and other learners.

c) Allied Academic Facilities: Faculty members are provided with facilities to prepare for the classes, conduct research and undertake other student outreach activities. Conference halls with both small and large seating capacities cater to both small personalized programmes and large conferences. Also, there are adequate number of lecture halls, staff rooms, laboratories and seminar halls to conduct curricular, co-curricular and extra-curricular activities.

d) Residential Facilities: The University attracts students from all over the world and different parts of India. Adequate infrastructure has been developed to cater to the residential needs of the students. There are separate halls of residence for boys and girls with best of the facilities such as wholesome food, Internet connectivity, study halls and recreational rooms among others.

e) Sports Infrastructure: Superlative sports facilities that have been created at the University, especially at its Global Campus and rank among the best in terms of quality and capacity. These include Sprintoor, an auditorium, a modern aquatic complex, well designed international cricket ground, tennis courts, basketball courts, golf course, football courts, hockey ground, athletic track and multi-gym. The University has also entered into a lease agreement with Rajiv Gandhi Indoor Stadium which has world class facilities for indoor sports .

f) Special Digital Resources: There is a Center for Virtual learning and Innovation which takes care of the Technology Enabled Learning (TEL). Apart from this, the School of Engineering & Technology has smart classrooms which takes care of the virtual learning. The University is in the process

of creating learning spaces with virtual learning facilities at all the campuses.

Student Support & Progression

Jain University has developed a robust system for student support and mentoring. The Student Support Services function under the Office of the Dean, Student Welfare. Every campus has a Student Welfare Officer to coordinate activities aimed at supporting and mentoring students on the ground with respect to cultural activities, co-curricular activities, mentoring and counseling. The requirements of the international students are catered to through the International Students and Scholars Advisory Centre (ISSAC), a separate Cell of the University with an International Student Officer who is the overall in-charge of the activities of the Cell.

Department of Sports

The Sports Department of the University is engaged in training students with talent for competitive sports at all levels. The teams from Jain University have been participating in the different inter-collegiate tournaments at the college / University / state levels, as well as at the All India Level and have achieved remarkable success. The University has produced sportspersons of international repute. The proactive and generous management has motivated and encouraged the students. This has given further impetus to the students with talent for sports to raise their level of competence. The Sports Department conducts both in-house competitions as well as inter-University competitions. At the time of admissions, the University makes a conscious effort to provide opportunities to budding sportspersons. They are encouraged to excel in their chosen areas of sports and provided with all the facilities and incentives. Their academic progression is also taken care of with special lectures and tutorials

in the event of these students missing regular classes on account of their sports practice. The University have as their alumni prestigious sportspersons including Pankaj Advani, Shika Tandon, Robin Uthappa, Manish Pandey, Rehan Poncha, Anup Sridhar, Gagan Narang, Mayank Agarwal, Gagan Ullalmath, Varun Aaron, Shreyas Gopal, Rakesh Manpath to name a few. Rahul K.L. and Karun Nair who have made mark in the Indian Test Cricket are also our proud alumni.

Jain University is proud of the contributions of its students to different walks of life. Our students have represented India in the Olympics. In the recently concluded Rio Olympics, Aditi Ashok represented the country in Golf.

Our students have not merely excelled in the domain of academics, they have brought laurels for their institutions in extra-curricular activities, sports and a range of cultural activities. They have been our true ambassadors of quality, excellence and professionalism. Many of our Alumni are in important mid-career positions in their chosen domain of expertise. Some of our current students and alumni who have excelled in the field of Art, Music and Cinema include, Ambi Subramaniam (Classical Violinist), Tanvi Singla (Miss Asia Pacific World 2011), Prajwal Devaraj (Kannada Cinema), Dattareya Velankar (Hindustani Classical Musician), Anate Augustine (well-known Malayalam actress, winner of Filmfare Best South Indian Actress Award), Bindu Subramnaiam (singer-songwriter and pianist) and Srinidhi Shetty (Miss Supra National 2016).

Placement Services

There is a centralized placement cell which takes care of the placements for all the students of the University seeking placements. The students are oriented to career-path through pre-placement talks, pathway to career programmes, training in soft skills and life skills, specialized coaching in

facing interviews, group discussions and other competitive job skills. . Till date the University has placed 4450 students.

Other Student Services

There is a separate Grievance Redressal Cell which takes care of the day to day grievances of the students. Additionally, the University has an Anti-ragging Cell, Anti-sexual Harassment Cell and Equal Opportunity Cell.

Scholarships

Scholarships are awarded to students on the basis of merit and need by the University. In the year 2016-17 scholarship to the tune of 1.34 crores has been given to 269 students. Apart from this the students belonging to SC/ST and OBC categories are encouraged to take admission at Jain University. Special scholarships are made available to them. Also, the institution facilitates the SC/ST students to get freeships from the government. Concessions are given in exam fee, application fee and other relevant fees for socially challenged students. Recommendation letters are given by the University for obtaining bank loans and from various financial and charitable institutions.

Governance and Leadership

Jain University is managed by the Jain University Trust which is a registered body. The President of the Trust Dr. Chenraj Roychand is a visionary leader committed to imparting quality education in all fields of knowledge. He has made a conscious and concerted effort to provide necessary infrastructure for interdisciplinary / multidisciplinary Research. He creates opportunities for talented and dynamic individuals to realize and nurture their entrepreneurial potentials. He is responsible for providing able guidance and leadership for establishing a good governance system in the University.

The Chancellor of the University is Dr. C.G. Krishnadas Nair. He is a distinguished academician, a Padma Shree Awardee, former Chairman, HAL and former Chairman, Cochin International Airport Ltd. A Visiting Professor to several international and national universities, he provides Jain University his able guidance and leadership.

The Vice-Chancellor of the University Dr. N. Sundararajan, a senior academician with about 48 years of service, oversees the administrative and academic activities of the University. Under his guidance and leadership, the University has undertaken various reforms and has marched towards enhancement of quality across all its functions.

The University has strictly adhered to the UGC Regulations in forming the statutory bodies for ensuring proper Governance. The Board of Management is the highest executive body of the University and has the powers to take all necessary decisions for the smooth and efficient functioning of the University. The Planning and Monitoring Board reviews the progress made on implementation of policy and develops strategic plans for the University. The Academic Council is the principal academic body of the University and is responsible for the maintenance of high standards of education, teaching & training, research and examinations. The Finance Committee monitors the flow of funds and approves budget for the University. The audited statement of accounts for the University comes under the scrutiny of this Committee. The Vice Chancellor is the Chairman of all these statutory bodies.

Innovation and Best Practices

Innovation

The University has an eco-friendly campus. In its endeavor to lead from the front, Jain

University decided to take a positive step to understand its own environment through Carbon and Water Footprint Mapping Exercises. It has also conducted a Green Audit, Urban Waste Management programmes and Plantation of Saplings to enhance environmental consciousness. Further, the University has ushered innovations with a positive impact on the environment. For instance, the Fire Research, Fire Retardant Material Development and Biomass stoves are being developed as a part of our research. The University has brought about innovations, processes and systems for admission, research activities, administration, teaching-learning, evaluation, and governance.

Best Practices

The Best Practices of the University have been institutionalized at every level and is adhered to by the faculty, students and administrative staff alike. In order to encourage the departments, the Departmental Best Practices are identified every academic year and are brought out in the form of a book. The University has identified the following 5 Best Practices:-

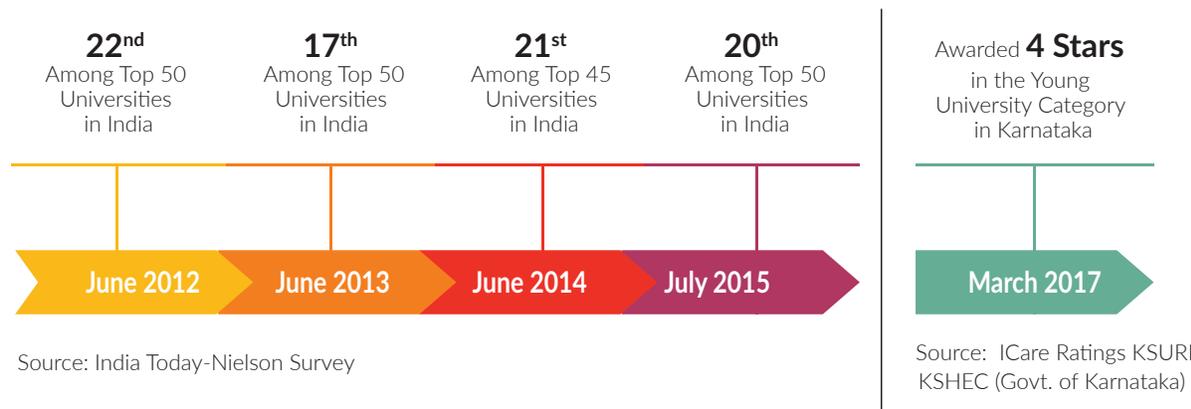
- Radio Active CR 90.4MHz – Community Radio Service.
- Short Silent Educational & Theme Based Films & Documentations.
- Out Bound Learning Programmes (OBL).

- Incubation of Companies -Chenraj Roychand Center fo Entrepreneurship.
- Research Retreat.

Conclusion

On completing seven years as a Deemed to be University, Jain University has confidently positioned itself as a ‘space for learning’ with a stamp of quality, innovation and creativity. In each of its initiatives, it seeks to promote excellence. The University has set for itself the goal of achieving excellence in its teaching/learning activities, research initiatives and entrepreneurial ventures. Under the visionary leadership of the President of Jain University Trust Dr. Chenraj Roychand, Chancellor Dr. C.G. Krishnadas Nair and Vice Chancellor Dr. N. Sundararajan, the University believes that quality and innovation go hand in hand in making progress. Everyday results in the creation of new milestones and also in raising the bar higher. The leadership has inspired every stakeholder of the University to internalize the University’s vision and strive for excellence in every step, in every action, in every programme and in every new initiative. The focus on ‘quality education for all’ inspires everyone at the University to be proactive, progressive and inclined to play their role in fulfilling the vision of the University.

Figure- Where We Stand?



The University is certified ISO 9001:2008 for quality management by TÜV Rheinland. Jain University is a member of Association of Indian University (AIU) and Association of Universities of Asia and the Pacific (AUAP).

SWOC ANALYSIS

STRENGTHS

1. Curriculum is constantly updated and fine-tuned to ensure that it is in tune with the current needs of industry.
2. The University has a committed, pro-active and dedicated faculty. The University provides opportunities to continuously upgrade faculty competence. There is effective use of pedagogy resulting in enhanced learning.
3. The University is supported by a robust evaluation system and reform that emphasizes on continuous learning.
4. Research, Development and Consultancy activities undertaken by the University are in thrust areas of national importance and are significant in terms of impact.
5. The University has excellent physical infrastructure. The I.T infrastructure enables effectiveness and efficiency. Hardware, software, a custom built ERP solution, fee payment portal and the like have added strength to the system.
6. The University has recorded excellent results of students in the final examinations which resulted in good placements.
7. The University promotes student citizenry through excellence in NCC, NSS & Social outreach. Student diversity is also ensured in terms of gender and international students.
8. The University has cultivated an environment which has resulted in students bringing laurels to

Karnataka state and to India in sports.

9. Through emphasis on Entrepreneurship many students of the University have become job creators. The Technology Incubation Centre, “Jain University Incubation Centre” is an enabler of Science and Technology Incubation.

10. The best practices in governance and administration, adopted by the University has resulted in autonomy to faculty and budget outlays for important pursuits.

11. The University has ensured 24 x 7 learning environment through technology enabled learning resources.

12. The University has collaborations with National and International Institutions of repute.

WEAKNESS

1. Multiple locations of the different schools renders management and administration of the same difficult at times.
2. Non-availability of required talent pool with Ph.D. in different faculties poses difficulties in the University's efforts to recruit quality teaching personnel.
3. Being a private Unaided University, difficulties are faced sometimes in receiving funds from Government agencies.

OPPORTUNITIES

1. To supplement physical contact in classroom with online coaching using an IT enabled Learning Management System (LMS).
2. To commercialize innovative ideas which have reached proof of concept stage or are patented through incubation of business ventures by Jain University Incubation Centre.

3. To create sponsored and endowed chairs and enhance Industry – University interface.
4. To focus on design in all disciplines of engineering and aim for significant outcomes / impact in the Faculty of Engineering.
5. To extend introduction of Outcome based Education/Choice Based Credit System to Postgraduate Programmes of the University.

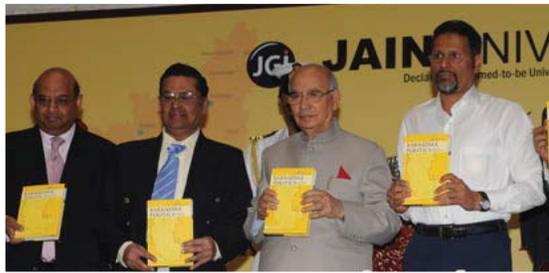
CHALLENGES

1. Constant changes in curriculum to suit the contemporary needs of industry / employment at times poses difficulties in managing student progression.
2. Retention of good faculty in view of the competitive opportunities prevailing in the wider professional environment.
3. Bengaluru being an Info Tech (IT) hub, the focus often in placement and recruitment is in that sector and ensuring a more diverse pool of employment opportunities covering other core engineering sectors is often a challenge.

4. Societal challenges caused by nuclear families, single parent families, both parents in a job etc, impact student motivation and performance.

FUTURE PLAN

1. To introduce additional faculties in the domains of Law, Education and Architecture.
2. To upgrade the existing Research Centres to the level of Centres of Excellence.
3. To conduct accelerator programme for Young Scientists / Technologists enabling them to commercialize their start-up ideas.
4. To establish a Centre for Cultural Studies for exposing students from other countries to Ancient Indian History, Culture and Heritage.
5. To enhance the activities of the Human Networking Academy to impart value system among the student community.
6. To develop an International Research Centre for Public Policy which would develop linkages with leading International Universities.



PROFILE OF THE UNIVERSITY

1. Name and Address of the University:

Name:	JAIN UNIVERSITY	
Address:	#34, 1 st Cross, (Adjacent to Bengaluru Stock Exchange), JC Road	
City: Bengaluru	Pin: 560 027	State: Karnataka
Website:	www.jainuniversity.ac.in	

2. For communication :

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Dr. N Sundararajan	O: 080-43430100	98456 91446	080 - 22484940	vc@jainuniversity.ac.in
		R: 080 23484114			
Registrar	Prof. N V H Krishnan	O: 080 -43430100	98452 18535	080 - 22484940	registrar@jainuniversity.ac.in
		R: 080 -26580161			
Joint Registrar	Mr. M.S Santhosh	O: 080-43430100	98450 77911	080- 22484940	ms.santhosh@jainuniversity.ac.in
Steering Committee Co-ordinator	Dr.Rajani Jairam	O: 080 -43430100	99867 82236	080 - 22484940	rajani.jairam@jainuniversity.ac.in
		R: 080 -26618883			
Director IQAC	Dr. Asha Rajiv	O: 080 -43430100	98806 24363	080 - 22484940	asha.rajiv@jainuniversity.ac.in

3. Status of the University: State University

State Private University	
Central University	
University under Section 3 of UGC (Deemed University)	✓
Institution of National Importance	
Any other (please specify)	

4. Type of University:

Unitary	✓
Affiliating	

5. Source of funding:

Central Government	
State Government	
Self-financing	✓
Any other (please specify)	

6. a. Date of establishment of the university:

(dd/mm/yyyy)

19/12/2008*

24/07/2009*

*** Status of Deemed to be University was conferred by two orders of MHRD – Government of India (Given in Annexure 1)**

b. Prior to the establishment of the university, was it a/an

I	PG Centre	Yes		No	
II	Affiliated College	Yes	✓	No	
III	Constituent College	Yes		No	
IV	Autonomous College	Yes		No	
V	Any other (please specify) N.A				

* Sri Bhagawan Mahaveer Jain College affiliated to Bangalore University: 25-07-1990.

* Sri Bhagawan Mahaveer Jain College of Engineering affiliated to Vishweshwaraya Technological University: August 2005.

7. Date of recognition as a university by UGC or any other national agency:

	Under Section	dd	mm	yyyy	Remarks
i.	2f of UGC*				
ii.	12B of UGC *				
iii.	3 of UGC #	19	12	2008 &	
		24	07	2009	
iv.	Any other ^ (specify)				

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes

No

b. For its performance by any other governmental agency?

Yes

No

9. Does the university have off-campus centres?

Yes

No

10. Does the university have off-shore campuses?

Yes

No

11. Location of the campus and area:

	Campus	Location *	Built up area in sq. mts
i.	School Of Engineering & Technology	Rural	1,31,399 sq.m
ii.	International Institute for Aerospace Engineering & Management (IIAEM)		
iii.	School of Sciences	Urban	16,368 sq.m
iv.	School of Humanities & Social Sciences	Urban	4,779 sq.m
v.	School of Interior Design		
vi.	School of Management (UG)	Urban	10,126Sq.m
vii.	School of Commerce	Urban	30,116 sq.m
viii.	School of Management (PG)		
ix.	School of Computer Science & Information Technology		

School of Engineering & Technology is housed at a campus spread over 300 acres

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify))If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

Auditorium/seminar complex with infrastructural facilities - 14

Sl. No.	Schools	Number of Auditorium/ Seminar Halls
i)	School of Engineering & Technology	Auditorium-03
ii)	International Institute for Aerospace Engineering & Management	Indoor Auditorium -01 Colloseum -01
iii)	School of Management (UG)	Seminar Hall-03
iv)	School of Sciences	Auditorium-01 Seminar Hall-01
v)	School of Humanities and Social Sciences	Seminar Hall-02
vi)	School of Interior Design	
vii)	School of Commerce	Seminar Hall-03
viii)	School of Management (PG)	
ix)	School of Computer Science and Information Technology	

Sports facilities

- **Playground** - Available
- **Swimming pool** - Available
- **Any other (please specify)** : _____

The University maintains an Indoor stadium “SPRINTOOR” with a total built up area of 80,000 sq feet with the facilities for outdoor as well as indoor sports. Sprintoor also has well-furnished living accommodation with a capacity of 75 beds, a VIP lounge, cafeteria, projector room, media room and a reception lobby.

Hostel - Yes

***Boys’ hostel**

- Number of hostels : **09**
- Number of inmates : **1700**
- Facilities: **Canteen, indoor games, outdoor games, recreational facilities, reading room, round the clock medical and security facilities.**

***Girls’ hostel**

- Number of hostels : **07**
- Number of inmates : **930**

iii. Facilities: **Canteen, indoor games, outdoor games, recreational facilities, reading room, round the clock medical and security facilities.**

* Working women's hostel : Nil

Residential facilities for faculty and non-teaching: Yes

Faculty : 120 Rooms

Non- Teaching : 30 Rooms

Cafeteria : 09

Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility and the like. Doctor on campus with trained nurses, pharmacy, emergency cases are referred to nearby hospital. The health center is a shared facility with the Jain International Residential School.

Facilities like banking, post office, book shops, etc. – within 1 km Radius

Transport facilities to cater to the needs of the students and staff : Yes

Buses are plying from various parts of the city to Engineering College Campus.

Center for Management Studies also has the facility to pick up and drop students from the hostels.

Facilities for persons with disabilities : Yes

Animal house : No

Incinerator for laboratories : No

Power house : Backup generator facility available in all campuses

Waste management facility : Yes

13. Number of institutions affiliated to the university

Type of colleges	Total	Permanent	Permanent
Arts, Science and Commerce	Not Applicable		
Law			
Medicine			
Engineering			
Education			
Management			
Others (specify and provide details)			

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes

No

Number

15. Furnish the following information :

Particulars		Number	Number of Students
a) University Departments	Undergraduate	22	10590
	Postgraduate	19	
b) Schools		09	
c) Affiliated Colleges		Nil	
d) Colleges under 2(f)		Nil	
e) Colleges under 2(f) and 12B		Nil	
f) NAAC accredited colleges		Nil	
g) Colleges with Potential for Excellence (UGC)		Nil	
h) Autonomous colleges		Nil	
i) Colleges with Postgraduate Departments		Nil	
j) Colleges with Research Departments		Nil	
k) University recognized Research Institutes/Centres		Nil	

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes

No

Number

If the university uses any other nomenclatures, please specify.

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered)

Programmes	Number	Programmes	Number
UG	33	Certificate	68
PG	41	Diploma	-
Integrated Masters	-	PG Diploma	04
M.Phil.	22	Any other	-
Ph.D.	34	(please specify)	-
Integrated Ph.D.	-	Total	202

The lists of academic programmes offered are shown under Criterion I - question numbers 1.2.1 and 1.3.4.

18. Number of working days during the last academic year

19. Number of teaching days during the past four academic years.

('Teaching days' means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?.

Yes No

If yes,

a. Year of establishment (dd/mm/yyyy)

b. NCTE recognition details (if applicable)

Notification No.:

.....

Date: (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes No

21. Does the university have a teaching department of Physical Education?

Yes No

However, certain research programmes like M Phil and Ph. D are offered by the Sports Department.

If yes,

a. Year of establishment (dd/mm/yyyy)

b. NCTE recognition details (if applicable)

Notification No.: ---

Date: (dd/mm/yyyy)

c. Is the department opting for assessment and accreditation separately?

Yes No

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes

No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

Engineering, MBA and MCA.

Recognition details enclosed in Annexure 2.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

UGC Review October 9th, 10 th & 11th 2009 (Report Attached)

24. Number of positions in the university

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC / University/State Government	60	60	300	383	92
Recruited	61	77	310	383	92
Yet to recruit	-	-	-	-	-
Number of persons working on contractbasis	NIL				

25. Qualifications of the teaching staff*

Highest qualification	Professor Total		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	40	14	13	07	30	26	130
M.Phil.	-	-	05	02	20	26	53
PG	05	02	32	18	96	112	265
Temporary teachers							
Ph.D.	NIL						
M.Phil.							
PG							

Part-time teachers							
Ph.D.	05	14					19
M.Phil.		NIL					
PG	28	63					91

* NET/SLET → 38 Faculty Members

26. Emeritus, Adjunct and Visiting Professors.

	Emeritus	Visiting
Number	06	47

27. Chairs instituted by the university:

	Chairs
School / Department	Nil

28. Students enrolled in the university departments during the current academic year, with the following details:

Students	2016-17		2015-16		2014-15	M. Phil.	Ph.D.	PG Diploma
	UG	PG	UG	PG	UG			
	*M *F	*M *F	*M*F	*M*F	*M*F			
From the state where the university is located	1223/634	473/413	1035/558	394/247	892/586	05/25	218/241	M – Nil F – 12
From other states of India	829/460	239/216	645/338	185/131	581/185	-	-	-
NRI students	69/29	0/0	0/0	-	27/3	-	-	-
Foreign students	42/6	16/7	37/19	-	54/16	-	-	-
Total	2163/1130	728/636	1717/915	579/378	1554/790	5/25	218/241	12

Male	4135
Female	6956
Grand Total	11091

*M - Male *F – Female

29. 'Unit cost' of education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

- including the salary component = Rs. 98,197/-
- excluding the salary component = Rs. 54,444/-

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC 19/12/2009 (dd/mm/yyyy) (2009-10)

AQAR (i) 07/08/2010 (dd/mm/yyyy) (2010-11)

 (ii) 27/09/2012 (dd/mm/yyyy) (2011-12)

*AQAR for 2015-16 has been submitted on-line on 27.07.2016

37. Any other relevant data, the university would like to include (not exceeding one page).

Jain University was declared as a Deemed to be University in the year 2008 and the academic programmes started from July 2009. The University has made a mark for itself in the seven years of its existence. The following are the important features that merit highlighting:-

- Curriculum is updated on a regular basis.
- Innovative pedagogies are used in teaching and learning.
- Continuous enhancement of faculty qualifications
- Establishment of dedicated Research Centers
- Increase in the number of publications.
- Increase in the number of Research projects from various funding agencies.
- Infrastructure is regularly augmented. Library resources are regularly upgraded.
- Strategic support to the incubated companies.
- Addition to skill set of students every academic year.
- Commendable placement record.
- Proactive management and good governance.
- MoU's and collaborations at International / National level.
- Innovative programmes in emerging areas.
- On schedule announcement of examination results.
- Extensive use of ICT both in Administration and the teaching-learning processes.



CRITERION I: CURRICULAR ASPECTS

1.1 CURRICULUM DESIGN AND DEVELOPMENT

1.1.1

How is the institutional vision and mission reflected in the academic programmes of the University?

Jain University is committed to imparting quality education of the highest standards both at Undergraduate, Postgraduate and Research levels. Over the years, the University has developed processes and systems to fulfill the vision and mission by introducing innovations, focused value addition and domain specific skill development.

Vision

“To foster human development through Excellence in Quality Education, Research and Entrepreneurial Development.”

The vision emphasises **on fostering holistic human development by focusing on excellence in the realm of academics, the pursuit of research and nurturing the entrepreneurial spirit of our student community.** The essence of this concept can be found in all the endeavours of the University.

Jain University also strongly believes that sports can be used as a strategy for character development to prepare the students for a more complex and competitive environment.

Academic Programmes:

The range of innovative programmes and activities besides formal classroom teaching/ learning,

helps the learners to broaden their horizons and sharpen their skills. These include guest lectures from eminent persons in innovative fields, workshops, exhibitions, seminars, field trips and the like. All these activities are designed to bring innovation in learning and cater to the unique capabilities, skills and aptitude of each learner.

Research Initiatives:

Jain University has taken a number of initiatives to strengthen and expand its research profile. In pursuit of this mission, the University has established Research Centres linked to the specialization of its faculty. It has developed the required facilities, created the necessary research ambience and provided incentives to improve the quality and the quantum of research output of the University. Research is being carried out in emerging areas, cutting edge science & technology, politics and socially relevant themes from the time the Institutions were created in 1992 and especially since 2009, after being conferred the Deemed to be University status.

Multidisciplinary Learning and Global Collaborations:

The hallmark of our existence is the multidisciplinary approach to

learning that we have adopted. The University has consistently attempted to nurture a research culture that fosters the spirit of enquiry and rigorous reflection. It has also invested its efforts into building linkages with research institutions, industry and other connected social and economic institutions to partner with different stakeholders. These linkages are aimed at contributing to the socio-economic development of the region in which the University is located as well as national development and enriching global knowledge and understanding.

Entrepreneurial Development:

Jain University is doing pioneering work in Entrepreneurship Development and offers several programmes / schemes aimed at creating and moulding entrepreneurs and incubating business ventures. Towards this, the following steps have been taken:

- Two PG Diploma Courses have been introduced in Enterprise Management and Capital Market. The central idea is to nurture budding entrepreneurs through academic courses.

- The Chenraj Roychand Center for Entrepreneurship (CRCE) was established by Jain University to create opportunities for talented and dynamic individuals to realize their entrepreneurial potential. CRCE has been training students in enterprise skills since its inception. The Centre is open to all students aiming to become Entrepreneurs. Business ideas are spotted and nurtured during the start-up and growth phases of the venture. Further, entrepreneurs from incubated companies are trained to identify an idea, understand hi-tech markets and emerging technologies.
- The Department of Science and Technology (DST), Govt of India has approved financial support to the Technology Business Incubator at Jain University. Alsthom, France has also pledged support to the Centre. A not-for-profit company, Jain University Incubation Centre has been incorporated for the purpose as stipulated by the DST.

Does the University follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.)

The University creates its curriculum after a rigorous process of research, consultation and dialogue. After a preliminary study of the courses that need to be offered and course contents of internationally and nationally reputed institutions in these identified areas, an analysis

of the industry/market /societal needs is undertaken. Design and development of curricula is based on the thrust areas identified by the this process, requirements of the industry and other stakeholders. The UGC model curriculum is taken as the basis for designing and modifying

1.1.2

the curriculum. Care is also taken to cater to the requirements of national laboratories, industry leaders and other societal organizations. Emphasis is laid on project work, innovative teaching methods such as presentations, discussions, assignments, workshops, seminars, industrial visits and study tours. Following are the steps involved in the process of syllabus formation:

➔ A Committee is formed to analyse the inputs accumulated after a thorough discussion with successful alumni, current students, experts and practitioners in the relevant fields. This `bottom-up` approach permits a realistic assessment of the practical skills and knowledge that a learner going through a programme requires. This becomes the basis of the curriculum blue print prepared by the

concerned department.

➔ Boards of Studies (BoS) are constituted in each subject involving experts in the field. Representatives from National laboratories, research institutions, industries, relevant social organizations and the like, are also involved in the BoS and their suggestions are taken into account and incorporated in the syllabus so that it meets the global demands and makes the students globally competitive.

➔ The curriculum and syllabus are then reviewed and approved by the Planning and Monitoring Board and Academic Council of the University prior to being introduced.

➔ The course contents are revised every three years to include the recent developments in the respective fields.

1.1.3

How are the following aspects ensured through curriculum design and development?

Employability

Inputs from industry and successful alumni, need based curriculum, career development programmes, practical assignments and projects, value added programmes, soft skills training, internships in industries, Use of libraries/laboratories for better exposure, on the job training programmes, catering to the demand of the labour market and industry requirements and preparing students to take up National level tests like UPSC/NET/SLET etc are some of the strategies used to increase

employability of the students.

Innovation

➔ Curriculum design incorporates provisions for students to get involved in innovative projects in their respective domains.

➔ Thrust on interdisciplinary/ multidisciplinary research programmes thereby creating a corpus of knowledge base on new and emerging areas.

➔ Introduction of **21** PG programmes in innovative/ emerging areas including PG Diplomas.

➔ Introduction of **14** UG programmes in innovative/ emerging areas.

Research

➔ Inclusion of modules and assignments in the curriculum which promote students to seek and discover new knowledge.

➔ Structured interventions in the curriculum design and research strategy of the University to provide reciprocity between research and teaching.

➔ Creating provisions for engagement of students and faculty in research going on at various research centres.

➔ Use of research output from different departments and research centres to teach disciplinary theories and concepts.

➔ Inclusion of practical component in the course structures and assessment exams.

To what extent does the University use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the University been instrumental in leading any curricular reform which has created a national impact?

1.1.4

➔ The University has designed and developed curriculum based on the UGC guidelines and the model developed by it.

➔ The University has introduced Choice Based Credit System (CBCS) across faculties as per the UGC guidelines in the year 2016 for all the Undergraduate courses. A handbook has been prepared for the same. The CBCS will also be introduced at professional and PG levels. It has been refined and improved by having value added courses and flexibility in elective courses. Industry related courses have been developed by the Industry Interface Cell. The Boards of Studies meet regularly and update and revise the syllabus on need basis. To enhance the employability of students, curriculum innovations have been introduced with value

added and certificate programmes. The Internal Quality Assurance Cell (IQAC) has a well-tested mechanism to get feedback about the courses/ programmes and the feedback is used to introduce new courses and modify the existing ones.

➔ For the Undergraduate programmes in Engineering, modules on disaster management, ecology and environment, cyber security, IPR and green technology are offered for the students as per the UGC guidelines.

➔ In addition to the above, a paper on Mind Management and Human Values which is a compulsory subject is introduced for the Undergraduate students to give them a holistic perspective. This subject is unique in its content. This paper has been appreciated by all expert groups that

have interacted with the University officials and other Institutions have sought the support of the University to start similar programmes.

➔ The University syllabus in some of the Masters Programmes (For Ex- Energy Engineering and Climate Change) has been designed with industry collaboration. These industries are of international repute and their inputs have been based on their global experience.

➔ The University has also introduced

B.Com (Honours) in

- o Risk Management certified by Chartered Institute of Management Accountants (CIMA).
- o International Finance and Accounting [Association of Chartered Certified Accountants (ACCA)].
- o Global Accounting Practice [Association of International Accountants (AIA)].

1.1.5

Does the University interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the University benefitted through interactions with the stakeholders?

Yes.

Most of the University departments have tie ups with industries and research & development establishments and take inputs from them through:

- Involvement of relevant industry/ societal organisation experts in the Board of Studies
- Resource lectures
- Value added courses supported by industry
- Availing industry lab facilities
- Soft skill development programme
- Multidisciplinary & Interdisciplinary programme
- Electives relevant to industry in various courses

Following are the programmes which

were introduced after the interactions with the stake holders:

➔ Jain University started a two year M.Tech programme in Food Technology to nurture manpower with practical, technical, managerial and entrepreneurial skills required for food industry. Being a sunrise sector, food industry is going to be a major employer in the future.

➔ Jain University also has MOUs with industries of repute like:- Underwriters' Laboratories, TUV Rheinland, Prajwal Techno Solutions Pvt Ltd, Cranes Software International, Avasarla Technologies Ltd, Avni Energy Solutions P Ltd, Southern Electronics Private Limited, Solid State Systems P Ltd, Taneja Aerospace & Aviation Ltd, TYCO Fire and Security (India) Pvt, systems, Amazon Envirotech Private Ltd,

➔ Step Electronics Pvt Ltd, EMC, Max Watt Turbines pvt ltd, ASSYSTEM India Private, Eversun Energy Pvt Ltd, Yellow Submarine Film Pvt. Ltd, UTV 18 (CNN IBN), (Industry), and Applied Cognition Pvt. Ltd,

➔ Jain University, in collaboration with Indian Green Building Council (IGBC) started a 2 year M. Tech programme in Building Science and Technology (with specialization in

Green Technology).

➔ M.Tech in energy engineering/ energy management & climate change technology is yet another programme which was launched with M/S TUV Rheinland India to launch proactive industry-academic initiatives. TUV Rheinland India is a subsidiary of TUV Rheinland, Germany headquartered at Cologne, Germany.

Give details of how the University facilitates the introduction of new programmes of studies in its affiliated colleges.

1.1.6

Not Applicable

Does the University encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

1.1.7

Not Applicable

ACADEMIC FLEXIBILITY

1.2

Furnish the inventory for the following:

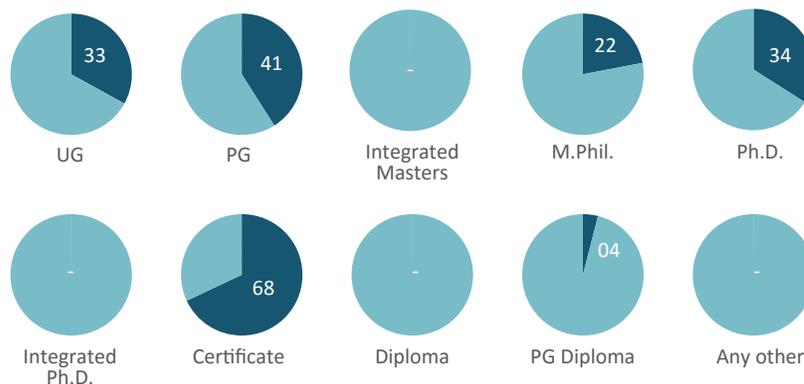
* Programmes taught on campus

1.2.1

➔ Jain University offers Ph.D. Programmes in 34 disciplines and M.Phil. programmes in 22 disciplines.

➔ Jain University offers 33 Undergraduate programmes of which 14 are in emerging/innovative areas and 45 Postgraduate programmes including 04 Postgraduate diploma programmes, of which 21 are in emerging areas including PG Diplomas.

Figure- UG, PG and Research Programmes Taught



TOTAL 202

* Overseas programmes offered on campus

Not Applicable

* Programmes available for colleges to choose from

Not Applicable

1.2.2

Give details on the following provisions with reference to academic flexibility

a. Core / Elective options

Core and elective options are available to the students in various courses spread across the semesters.

CBCS has been introduced for all courses at the Undergraduate level and will be introduced for Postgraduate and Professional courses.

b. Enrichment courses

Enrichment courses are offered to students during their final year.

c. Courses offered in modular form

All the courses are offered in modular/unitized form.

d. Credit accumulation and transfer facility:

Each course is assigned certain number of credits with 1 credit per one hour lecture per week, 1 credit per 1 hour tutorial per week, 1 credit for 3 hours of laboratory or practical project work per week. For the award of the degree, a student has to earn a certain minimum Semester Grade Point Average (SGPA) specified in the curriculum for the relevant programme. The total number of credits for UG programmes varies from 165 to 175 and that of PG programmes vary from 80 to 100 credits. During the migration from one University to the other, credits accumulated can be transferred on the basis of the equivalence of the subjects.

e. Lateral and vertical mobility within and across programmes, courses and disciplines:

Vertical mobility is there in all degree courses. In certain courses like Bachelor of Technology

(B.Tech), Bachelor of Science (B.Sc) in Interior Design and Bachelor of Computer Applications (BCA), lateral entry for 3-year diploma holders is available.

Does the University have an explicit policy and strategy for attracting international students?

1.2.3

Five percent of the seats are allocated for the international students.

Their needs are taken care of by the **International Students and Scholars Advisory Centre (ISSAC)**.

This Centre is responsible for central international student recruitment activities undertaken on behalf of the whole University. In order to attract international students, the University has created and maintained partnerships and tie-ups across the globe. The University website is updated regularly to offer information on a wide range of topics useful to incoming international students and scholars, both before and after their arrival. ISSAC provides support in the development of University policies and programmes related to issues pertaining to international exchange and additionally, works with organizations that serve the needs of Jain University's international community. The Centre works along

with the administration and faculty to build friendship agreements with other educational establishments and assists overseas student and scholars organizations in planning activities such as Orientation, International Students' Day and other related events. ISSAC delivers a range of activities aimed at generating enquiries and applications from suitably qualified students around the world and supporting conversion from academic offer to registration. It also offers a wide variety of unique social, academic and cultural activities throughout the year, to aid international students and scholars to settle down and make the necessary adjustments to live and study in a new environment. They also provide advisory services with respect to immigration and visa matters, work permission, orientation, cultural adjustment and personal concerns.

Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

1.2.4

The curriculum is prepared by keeping in mind the global perspective. The University follows an inclusive growth policy. Every year the number of international students are increasing. Currently there are about **348** international

	<p>students studying in the University from 38 countries. All our courses have been designed to cater to both national and international students. Some of the courses which are designed to target international students specifically are:</p> <ul style="list-style-type: none"> ➔ Programmes offered in Music / Dance ➔ Programmes offered in Cultural studies ➔ Programmes offered in Forensic Science ➔ Programmes offered in Information Technology ➔ All our M.Phil and PhD programmes provide the flexibility to incorporate interests of both Indian and international students.
<p>1.2.5</p>	<p>Does the University facilitate dual degree and twinning programmes? If yes, give details.</p> <p>Not Applicable</p>
<p>1.2.6</p>	<p>Does the University offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?</p> <p>All the courses of the University are self-financed.</p>
<p>1.2.7</p>	<p>Does the University provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details.</p> <p>Presently all the programmes offered by the University are face-to-face mode and the University is not offering distance mode of education.</p>
<p>1.2.8</p>	<p>Has the University adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the University to encourage the introduction of CBCS in its affiliated colleges?</p> <p>Yes, the CBCS is adopted in all the UG courses from 2016-17 across constituents. A handbook detailing the same has been prepared. It will be introduced in Postgraduate and professional courses shortly.</p>

What percentage of programmes offered by the University follow:

- Annual system : NIL
- Semester system : 100%
- Trimester system : NIL

1.2.9

How does the University promote inter-disciplinary programmes?
Name a few programmes and comment on their outcome.

The students have been introduced to subjects beyond their domains as a result of which their knowledge base has widened and competency level enhanced. The University does follow the UGC guidelines on curricular aspects, assessment criteria and credit system on skill based vocational courses. A number of inter-disciplinary and multi-disciplinary programmes have been introduced. These approaches are mainly introduced in M.Phil and

Ph.D programmes. The areas are detailed in 3.1.4. Inter-disciplinary options are available in:

Aerospace Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Information Science & Engineering, Mechanical Engineering, Computer Science & Engineering, M.Tech (Master of Technology) and BBA (Bachelor of Business Administration).

1.2.10

CURRICULUM ENRICHMENT

1.3

How often is the curriculum of the University reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The University feels that the students need to be abreast with the latest trends in emerging areas. Therefore, the curriculum is reviewed and upgraded. Every academic year the departments are asked to fine tune the courses on need basis, based on the feedback system from all stakeholders.

1.3.1

During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

During the last four years (2013-14 to 2016-17), **14** Undergraduate (UG) programmes and **20** Postgraduate (PG) programmes were introduced.

1.3.2

Undergraduate (UG) Programmes

Faculty of Engineering and Technology

2016-17

1. B.Tech. in Computer Science & Engineering with specialization in Cloud Technology and Information Security
2. B.Tech. in Computer Science & Engineering with specialization in Cloud Technology and Mobile Applications
3. B.Tech. in Computer Science & Engineering with specialization in Mobile Applications and Information Security
4. B.Tech. in Information Science & Engineering with specialization in Web Technology and Big Data

Faculty of Sciences

2014-15

5. Bachelor of Computer Application (BCA) with specialization in IT Information Security and Infrastructure Management
6. Bachelor of Computer Application (BCA) with specialization in Information Security and Mobile Applications
7. Bachelor of Computer Application (BCA) with specialization in Cloud Technology and Information Security
8. Bachelor of Computer Application (BCA) with specialization in Mobile Applications and Cloud Technology

Faculty of Commerce

2015-16

9. B.Com. (Honours) in International Finance and Accounting
10. B.Com. (Honours) in Risk Management

2016-17

11. B.Com. (Honours) in Global Accounting Practice

Faculty of Management

2013-14

12. Bachelor of Management Studies (BMS) with specialization in Financial Services
13. Bachelor of Management Studies (BMS) with specialization in International Business

2015-16

14. BMS in Tourism and Hospitality Management

Postgraduate (PG) Programmes

Faculty of Engineering and Technology

2014-15

1. M.Tech. in Aerospace Engineering with specialization in Propulsion
2. M.Tech. in Food Technology
3. M.Tech. in Building Science & Technology

Faculty of Sciences

2013-14

4. M.Sc. in Animation

2014-15

5. M.Sc. in Chemistry
6. PG Diploma in Psychological Counseling

2015-16

7. MCA with specialisation in Information Security Management Services
8. MCA with specialisation in Infrastructure Management Services in IT
9. MCA with specialisation in Storage and Cloud Technology

2016-17

10. PG Diploma in Sports Psychology

Faculty of Commerce

2014-15

11. M.Com with specialization in Financial Analysis

Faculty of Management

2013-14

12. Executive MBA
13. PG Diploma in Enterprise Management

2014-15

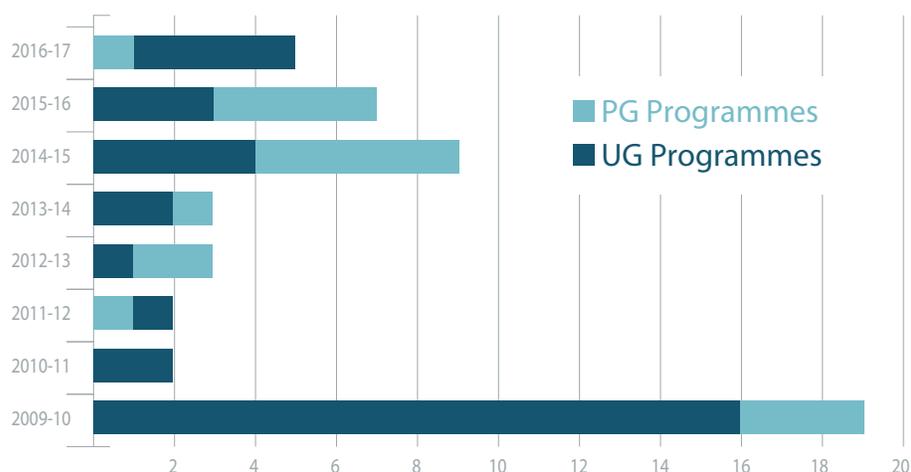
14. Master of Management Studies (MMS) with specialization in Business Analytics

15. Master of Management Studies (MMS) with specialization in Financial Management
16. Master of Management Studies (MMS) with specialization in International Business

2015-16

17. 3-Year MBA Programme for Working Professionals
18. Master of Management Studies (MMS) in Banking & Financial Services
19. Master of Management Studies (MMS) in Finance & Accounting
20. PG Diploma in Capital Market.

Figure- UG and PG programmes introduced Year Wise



1.3.3

What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

The revision of syllabus is undertaken keeping in mind the requirements of the society and employability of the students. The following strategies are adopted for revision of existing programmes:

- Employers feedback
- Feedback of Alumni
- Analysis of current and future challenges
- Identification of innovative pedagogy
- Training tools and techniques
- Compliance with regulatory bodies
- Regional needs
- Global Trends
- Affordability, utility and feasibility
- Societal and industrial requirements

The syllabus of all the Postgraduate and Undergraduate programmes adopted by the University at the time of its inception has undergone a thorough revision after about 3 years.

What are the value-added courses offered by the University and how does the University ensure that all students have access to them?

1.3.4

List of Value Added Programmes:

Faculty	Course Title	Number
School of Commerce	Certified Program in Capital Markets and NCFM Courses offered by National Stock Exchange of India Ltd. (NSE), Mumbai	17
	Diploma in Entrepreneurship & Business Management (DBEM) in association with EDI Ahmedabad	
	Certified Program in General Management (CPGM)	
	Diploma Course in Foreign Languages in association with Centre for International Communication and Linguistics Solutions (Vidushi Academy)	
	Certified Diploma in Gems and Jewellery Design in association with Solitaire Diamond Institute	
	Diploma in BOCA + Tally in association with Tally Solutions Certified Partner	
	Industry Oriented Certified Programme in HR Skills (CPHRS) in Association with International Institute of Global Studies	
	KPMG Course for Accounting Professionals (KCAP)	
	Course On International Financial Reporting System (IFRS) in association with ACCA – UK and ISDC - UK	
	Coaching for Associate Company Secretary course offered by Institute of Company Secretaries of India, New Delhi	
	Certified Programme in Banking and Finance in association with Indian Institute of Banking and Finance, Mumbai	
	Coaching for Associate Chartered Accountancy Course offered by Institute of Chartered Accountants of India, New Delhi	
	Coaching in Fellow Programme in Insurance offered by Insurance Institute of India, Mumbai through Bangalore Insurance Institute	
	Certified Course in Logistics and Supply Chain Management	
	Coaching in ACCA-UK in association with ISDC - UK	
Coaching in CIMA- UK in association with ISDC – UK		
Coaching for ACMA formerly ICWA offered by Institute of Cost and Management Accountants of India, Kolkata		

FACULTY	COURSE TITLE	NUMBER
SCHOOL OF MANAGEMENT UG & PG	Fellow Chartered Financial Practitioner & IOC	7
	Investment Operations Certificate (IOC)	
	Professional Certificate in Marketing	
	Family Managed Business (FMB)	
	Diploma in Entrepreneurship & Business Management from EDI (Govt. of India)	
	Event Management	
	Association of Chartered Certified Accountants (ACCA)	
SCHOOL OF HUMANITIES & SOCIAL SCIENCES	Film Studies	5
	Gender Sensitization	
	HR & Counselling Skills	
	Foreign Language	
	Corporate Social Responsibility	
SCHOOL OF SCIENCES	Bioinformatics	4
	Applied Plant Science & Technology	
	Web Design & Development	
	Printed Circuit Board Design	
FACULTY	COURSE TITLE	NUMBER
SCHOOL OF ENGINEERING & TECHNOLOGY	AEROSPACE ENGINEERING	35
	Flight Lab Course	
	NASTRAN Training	
	CIVIL ENGINEERING	
	CAD	
	REVIT	
	Total Station	
	GPS	
	Advanced Total Station Training	
	AUTOCAD MAP 3D	
CYPE		
Vastu Shastra		

FACULTY	COURSE TITLE	NUMBER
	COMPUTER SCIENCE / INFORMATION SCIENCE	
	Web Designing	
	Embedded Systems	
	Mobile Application development Using Android: Pre-requisite : Knowledge of Java Programming	
	Cloud Computing -Module – 1	
	Cloud Computing -Module – 2	
	ELECTRICAL AND ELECTRONICS ENGINEERING	
	Transformer Engineering	
	Hands on experiences on basic utilization of power and safety aspects	
	Application of Mat Lab in Power system	
	Demonstration of power system protection for residential premises	
	Demonstration and hands on experience of parts and working of domestic electric gadgets	
	Case studies of basic electrification of houses and apartment building	
	Study of earthing and grounding and measurement of earth resistance	
	Electric fire and methods of extinguishing	
	Dos and Don'ts during a stormy weather	
	Protection of equipment and men from direct lightning strike.	
	Awareness about electromagnetic radiation from EHV power lines, substations and mobile Towers	
	MECHANICAL ENGINEERING	
	Basic CATIA V5	
	Basic Creo (Pro E)	
	Advanced CATIA	
	Advanced Creo (Pro E)	
	Hyper Mesh	
	Production Engineering	
	ELECTRONICS AND COMMUNICATION ENGINEERING	
	Advanced DSP (ECE)	
	Advance VLSI (ECE)	
	IRNSS (ECE)	
	Total	68

The classes for these programmes are arranged after the regular working hours to facilitate the students to attend.

1.3.5

Has the University introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

The University has not introduced any higher order skill development programmes as outlined by the National Skills Development Corporation and other agencies. However we have developed following skill development programmes which are in consonance with the national requirements:

- Career training programmes for Ph.D students
- Skill development programmes for B.Tech/ Ph.D students
- Communication skills programme for all students
- Foreign language training (through Vidushi Academy)
- Training for NET/SLET
- Women empowerment programmes

1.4 FEEDBACK SYSTEM

1.4.1

Does the University have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes. The University has a well-structured feedback mechanism. The IQAC of the University which was established in the year 2009, has taken up the initiative of obtaining the feedback form the student on teaching/ learning and the curriculum at the end of the academic year. The feedback is analysed by the subject experts and wherever necessary it is incorporated in the curriculum. The feedback is considered very important in making significant changes in the

curriculum as it helps in knowing student achievements and faculty difficulties. The comments given by the evaluation team not only helps in achieving the objectives but also helps in modification of the syllabus. For the analysis of student feedback a software has been designed by the University to analyse it and the frequency response chart in the form of bar diagram generated and given to individual teachers along with their performance appraisal.

Does the University elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

1.4.2

The University has entered into International and National MoUs and Agreements with reputed universities, research centres and institutions of excellence. International visitors give feedback on curriculum and syllabi. The suggestions are considered for

upgrading and meeting of global challenges. Webinars, workshops and online discussions are also in place. This has created better understanding and awareness of the use of technology in teaching-learning process.

Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

1.4.3

Not Applicable

What are the quality sustenance and quality enhancement measures undertaken by the University in ensuring the effective development of the curricula?

1.4.4

Quality sustenance and enhancement in the curriculum design and development is ensured through the following

Faculty members frame the syllabi which is globally relevant and which enhances the employability of the students.

→ Faculty disseminate their knowledge through innovative teaching.

→ Student centric activities are organised to supplement the main curricula.

→ Continuous assessment through internal tests, projects, seminars and assignments.

→ Encouragement to multi-disciplinary and interdisciplinary learning.

→ Technology enabled learning to enhance learning experience.

→ All campuses enabled with wi-fi

→ Timely and rigorous examination schedules.

→ Eminent professors and industry experts inducted on Board of Studies to give their valuable suggestions for due incorporation.

→ Programmes and workshops suggested by regulatory bodies are conducted regularly. For example, the DST-INSPIRE programme.

OBSERVATIONS OF PEER TEAM

Academic Flexibility

Choice Based Credit System (CBCS) is yet to be implemented fully.

Curriculum Enrichment

Some PG and UG courses started in last four years.

Feedback

There is no mechanism to obtain feedback from all stakeholders and also to analyse the feedback collected in a systematic manner.

COMPLIANCES

Academic Flexibility

CBCS has been introduced in all UG Programmes as per UGC guidelines across schools and a handbook is prepared and circulated to all stakeholders. It will be introduced in all Professional and PG Courses from July 2017.

Curriculum Enrichment

➔ 45 PG Courses and 33 UG Courses were introduced by JU, of which 21 PG and 14 UG Programmes are in emerging / innovative areas which is not a small number considering the difficulties involved in introducing new programmes.

➔ The Committee has confirmed that JU has “Devised and Launched 14 UG and 21 PG Programmes in emerging areas” under the 7th Criterion “Innovations” (please refer to Peer Team Report 2.7.2).

Feedback System

A well-defined mechanism has been developed to obtain feedback from all stakeholders. Outgoing students give their feedback about curriculum which is analysed by IQAC. The feedback mechanism of the University has been reviewed and found satisfactory for TUV Rheinland for ISO Certification. Feedback is obtained from potential employers and from students about faculty members at the end of each semester. The same is analysed and represented in a frequency bar diagram with the help of a software developed by the University. Details of the feedback from all stakeholders from 2009 are available with IQAC. Also the Committee has observed that **“suggestions from stakeholders are incorporated in curriculum”** (please refer to Peer Team Report 2.1.1).



CRITERION II: TEACHING – LEARNING AND EVALUATION

2.1 STUDENT ENROLMENT AND PROFILE

2.1.1

How does the University ensure publicity and transparency in the admission process?

For undergraduate, postgraduate, professional courses and research programmes, the publicity for admission is through the University's website, prospectus, advertisements in print and online media and counselling by the teachers and senior students.

University website:- The University website www.jainuniversity.ac.in has detailed information about the admission procedure and the various courses offered, the eligibility criteria and career prospects of each course.

Prospectus:- Detailed information about the University's academic activities, infrastructure, facilities, student services and other pertinent information for the students are explained in detail. Separate prospectus are available for UG, PG and professional courses.

Advertisement in print and online media:- A paper advertisement about admission to various courses is given in leading national and regional newspapers before the commencement of the admission season. Also, the University advertises its courses on websites related to education and career, social media and other relevant web resources.

Counselling by the faculty and senior students:- Trained student volunteers and senior faculty offer their free services to guide the students who seek admissions to the University. They give detailed information about the various courses offered by the University, scholarships available and community services like NSS, NCC, Rotaract clubs etc.

Transparency is ensured in the admission process. The University strictly adheres to the defined norms for admissions. The candidates are selected on the basis of merit for the UG, PG and professional courses. In consonance with the government's policy of reservations, applicants from the socially and economically disadvantaged categories are given due priority. The selection procedure is based on the candidate's previous performance and their competence. The eligibility criteria for each course are explicitly mentioned in the prospectus. Separate admission procedures are adopted for PG, UG and professional courses. The University conducts a common entrance test for admissions to its courses. In case of programmes

for working professionals, work experience is also taken into account. For accomplished

sportspersons relaxation in qualifying percentage is given as per the sports policy of the University.

Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

2.1.2

Admissions to various programmes are made as per the University Regulations:

➔ UG programmes in Engineering – An entrance test is conducted by the University.

➔ UG programmes in Management & Commerce – National Level Aptitude Test conducted by the University.

➔ PG programmes in Management – National Level Aptitude tests like CAT, MAT and XAT followed by GD /PI and University entrance test.

➔ PG programmes in Engineering – Entrance Test is conducted by the University.

➔ MPhil & PhD – Admission is on the basis of Entrance Test conducted by the University, SOP and Proposal

submitted by the candidates and availability of the guides in the research areas that the candidates desire to pursue.

➔ Other UG & PG courses admission is based on the merit in the qualifying examination.

➔ For SC/ST and OBC categories, relaxation in percentage is given as per Government rules.

➔ For accomplished sportspersons relaxation in percentage is given as per Sports Policy formulated by the University.

➔ For accomplished persons in the field of arts and culture, relaxations are given in the percentage as per the University norms.

Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.

2.1.3

Not Applicable

2.1.4

Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Each year, at the end of admission process, a thorough review is conducted to analyse the profile of the admitted students. The information available over a period of time helps in planning entrance examinations, screening of candidates, and organising promotional and awareness programmes about various courses available.

2.1.5

What are the strategies adopted to increase / improve access for students belonging to the following categories:

- SC/ST and OBC
- Women
- Persons with varied disabilities
- Economically weaker sections
- Outstanding achievers in sports and other extracurricular activities

a) Socially and economically backward

All applicants from socially and economically backward sections are given special concessions in admissions. In deserving cases, fee concessions have also been given at the School of Engineering and Technology which is located in a rural area. Benefits are given to the candidates belonging to socially and economically backward classes as per provisions mentioned under the UGC guidelines.

b) Women

An analysis of the student profile of the University would show a significant number of women

learners are a part of different courses. There are more than 60% of girl students studying in various UG, PG, and professional courses, which speaks about the encouragement given to women students.

c) Differently-abled

Applicants who are visually impaired and differently-abled have been accorded admission. Facilities like scanning references from library and recording the class-room lectures are given to help them in learning process. Fee concessions are also given to these candidates.

d) Economically weaker sections of the Society

All those who apply are given admission to the courses depending on their eligibility. Fee concessions are offered to the deserving candidates and in some cases cent percent fee concessions are given.

e) Athletes and sportspersons

The University encourages students who are interested in sports and those students who want to pursue sports as a career. Both girls and boys can apply under sports category for various courses. Facilities like fee concession, support given by the teaching faculty and flexibility in attending the classes during their tournaments encourage large number of students to apply for scholarships and fee

waivers. Coaching facilities and sponsorships to tournaments are the additional facilities extended to sportspersons. This has resulted in remarkable achievements by world class sportspersons like Pankaj Advani, Shikha Tandon and Robin Uthappa, besides many others.

f) Any other

NRIs and International students are also encouraged for admissions to the various courses offered by the University.

Number of students admitted in University departments in the last four academic years:

2.1.6

Undergraduate Programmes:

Categories	Year 4		Year 3		Year 2		Year 1	
	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	39	23	22	9	34	16	43	11
ST	24	7	9	11	17	04	17	02
OBC	267	134	131	93	430	157	394	358
General	1707	876	1493	776	991	587	754	611
Others	126	90	62	26	82	26	55	07
TOTAL	2163	1130	1717	915	1554	790	1263	989

Postgraduate Programmes:

Categories	Year 4		Year 3		Year 2		Year 1	
	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	35	21	8	9	16	15	09	04
ST	10	15	4	4	09	11	07	06
OBC	89	93	58	84	95	112	84	72
General	558	486	497	278	348	326	373	258
Others	36	21	12	3	30	11	07	06
TOTAL	728	636	579	378	498	475	480	346

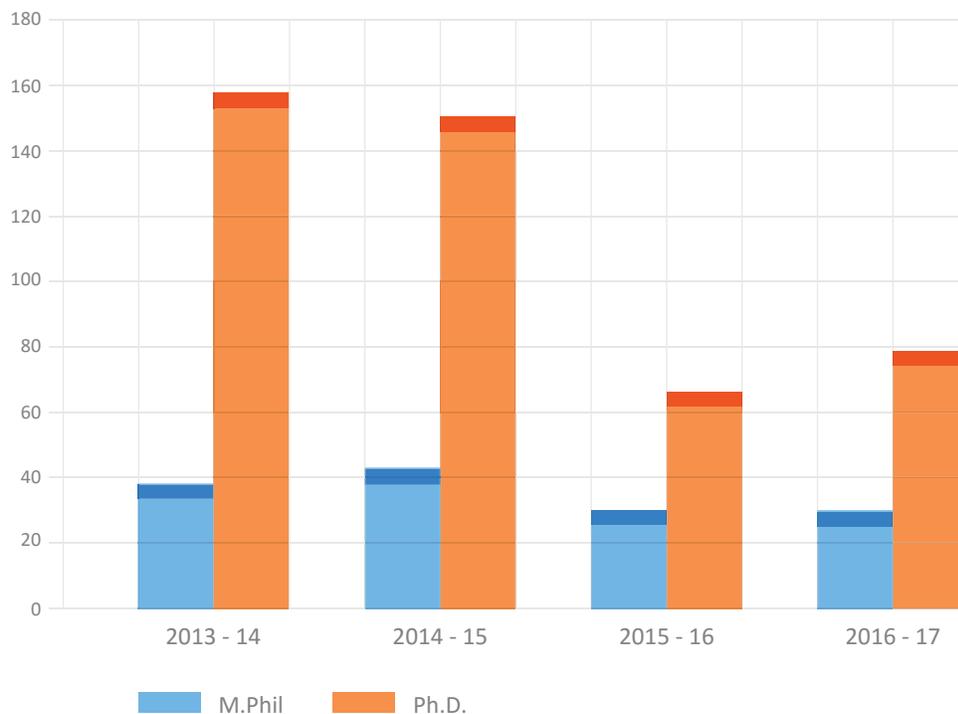


M. Phil

Categories	Year 4		Year 3		Year 2		Year 1	
	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	--	--	--	--	01	--	--	01
ST	--	2	--	2	01	03	01	--
OBC	--	--	--	--	--	--	02	01
General	4	23	4	23	15	23	03	32
Others	1	--	1	--	--	01	--	--
TOTAL	5	25	5	25	17	27	06	34

Ph.D

Categories	Year 4		Year 3		Year 2		Year 1	
	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	2	1	4	--	01	01	--	--
ST	--	1	1	--	--	--	01	01
OBC	--	--	--	--	01	06	08	09
General	27	35	26	27	66	75	69	69
Others	4	10	7	2	01	01	--	03
TOTAL	33	47	38	29	69	83	78	82



Has the University conducted any analysis of demand ratio for the various programmes of the University departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

2.1.7

2016-17

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	10179	3293	3:1
PG	4963	1364	3:1
M.Phil.	59	37	2:1
Ph.D.	233	80	3:1
Certificate	4620	2750	2:1
PG Diploma	25	11	2:1

Figure - Demand Ratio for programmes: (Years 2015-16)

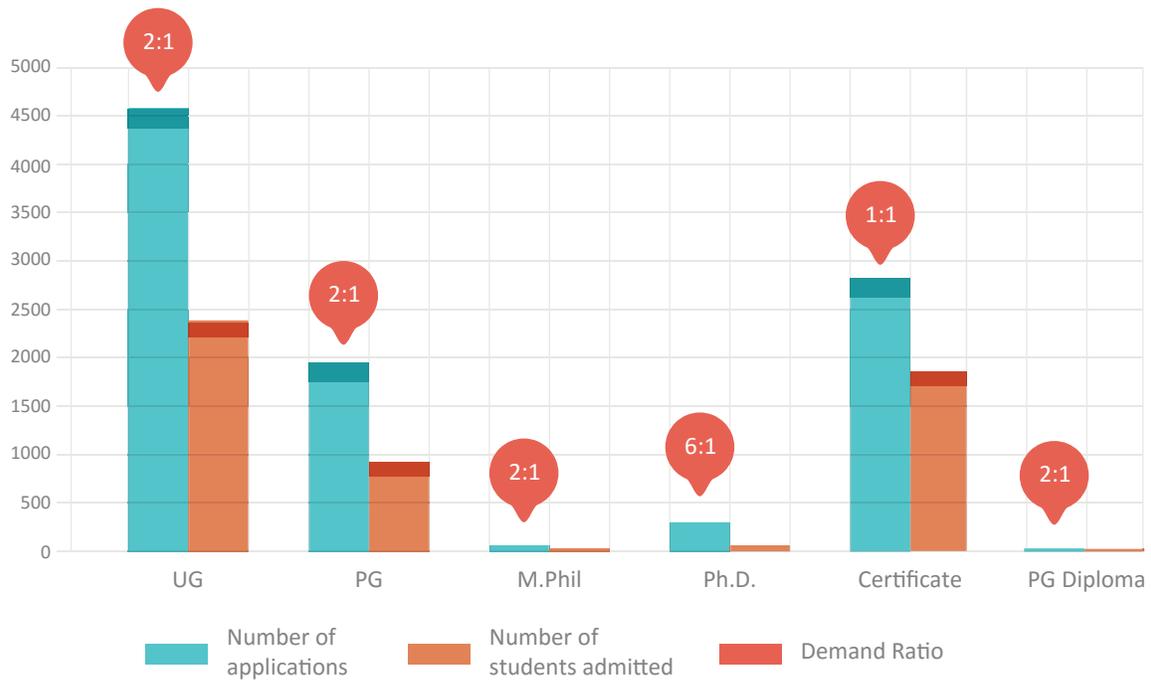
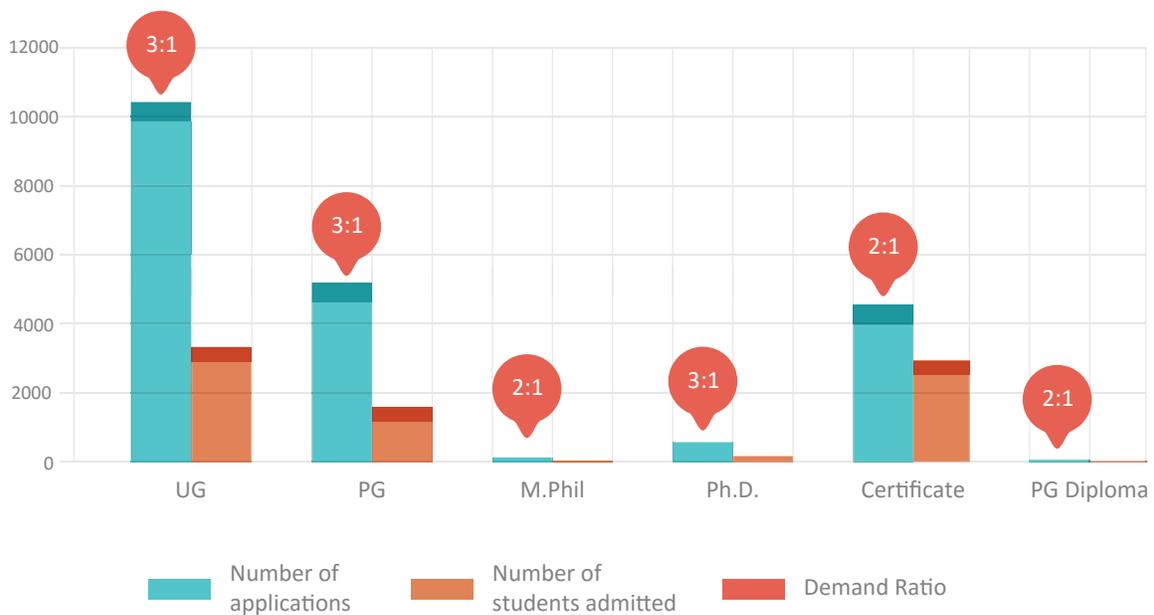


Figure - Demand Ratio for programmes: (Years 2016-17)



2015-16

Programmes	Number of applications	Number of students admitted	Demand Ratio
UG	4520	2381	2:1
PG	1990	994	2:1
M.Phil.	56	30	2:1
Ph.D.	281	51	6:1
Certificate	2720	1925	1:1
PG Diploma	22	12	2:1

Were any programmes discontinued/staggered by the University in the last four years? If yes, please specify the reasons.

Nil

2.1.8

CATERING TO STUDENT DIVERSITY

2.2

Does the University organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

2.2.1

The University conducts induction and orientation programmes for the freshers every academic year. The induction programme is generally spread over a period of three days. The programmes involve talks by President of Jain University Trust and Senior officers of the University with expertise in a number of fields from science and technology to management who inform students about the vision and mission of the University and inspire the students to commit to their goals. During the orientation programme, awareness is

created on curriculum, examination pattern, attendance, CBCS, Library, student support services etc. so as to acquaint them with academic and non-academic programmes of the University.

Experts from Student Career Advisory and Placement Support Team (CAPS) provide information regarding career opportunities and student diversity. The heads from the Anti-Ragging Cell and Student Grievance Redress Cell provide information about students' rights on various issues.

2.2.2

Does the University have a mechanism through which the “differential requirements of the student population” are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

The academic background of student population are analysed and the students are accordingly advised to take up remedial classes. Even the advanced learners are given special coaching to improve their performance and competency in competitive exams. Performance of students in the internal tests is a part of the continuous internal assessment and is a measure of the understanding of the

requirements of student population. The students assessed are also analyzed through the participation in seminar and the performance in classroom. Compulsory student projects for the postgraduate programmes provides students the flexibility to focus on areas of specific interest in a particular field and enhances their employability.

2.2.3

Does the University offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

All the departments take care of different learners by conducting bridge courses, remedial classes, mentoring and counseling on regular basis. All these identified students undergo remedial classes and opportunity is provided for students to develop communicative English by conducting lecture series, seminars and personality development programmes. Bridge courses are conducted for B.Com students in accountancy and commerce

related subjects. At the School of Engineering and Technology, admitted students are given special coaching on communication skills and personality development. Special classes are conducted for – students pursuing sports to bring them at par with other students. A host of value added programmes are offered for the undergraduate students and training programmes are also offered for the postgraduate students aspiring for NET/SLET and other competitive exams.

Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

2.2.4

The University has conducted an informal study of the incremental growth of the disadvantaged section of the society. These students have been enabled to improve their performance after enrolling in the University. Extra time is given for writing the examination for those with medical problems. Scribes are provided for the visually challenged to write the examinations. Additionally, the following strategies have been devised by the University for helping those facilitating the disadvantaged sections of the society:

- Mentoring
 - Conducting separate tests and examinations
 - Remedial and tutorial classes
 - Problem solving classes and concept clarifications
 - Skill development programmes
 - Programmes to develop Communication skills
 - Special Lecture /Course materials
 - Additional class assignments and tests
- Personal as well as academic counselling

How does the University identify and respond to the learning needs of advanced learners?

2.2.5

The advanced learners are identified after the first internal test and given special coaching to enhance their performance. They are encouraged to improve their performance and competence in the University exams and National, International level entrance exams.

The following facilities are provided to them :

- state, national and international level conferences.
 - Participation in quiz/debates etc.
 - Provision to carry out in-house and research funded projects under the guidance of the faculty.
 - Best outstanding student in every stream is awarded.
 - Awards and recognitions for high scorers.
 - Participation in intra and inter-University competitions.
- Training to take up advanced level projects and add on courses.
 - Encouragement to participate in

2.3 TEACHING-LEARNING PROCESS

2.3.1

How does the University plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

Academic Calendar:

- ➔ Every year before the commencement of the academic session, the academic calendar is prepared by the Director- Academics and Planning in consultation with the Center Heads, HODs and Deans. Separate calendar of events are created for UG, PG, and research programmes.
- ➔ The Calendar is approved by the Academic Council and the Governing Body.
- ➔ The Calendar is published in the University handbook and uploaded on the website prior to the reopening of the University.
- ➔ The schedule of internal tests and term-end examination dates along with major academic events are indicated in the calendar.
- ➔ The teaching learning schedule is well planned and implemented by the academic heads of the units in consultation with the HODs and Deans of those units so as to ensure the smooth flow of academic and other curricular activities.
- ➔ IQAC monitors and ensures

the smooth functioning of the academic delivery mechanism through feedback on teaching-learning, course assessment and exit questionnaire and subsequently analysing the same for improving the teaching – learning process.

Evaluation:

- ➔ The end semester examinations are conducted as per the University schedule.
- ➔ A detailed handbook is prepared by the Controller of Examinations on the procedure for conducting the examination and valuation.
- ➔ The University follows the system of continuous internal assessment through tests and assignments.
- ➔ Practicals are conducted through continuous assessment and a final laboratory examination at the end of the semester.
- ➔ Every department has a detailed blue print of the question paper for all semesters as well as a comprehensive question bank is prepared for all subjects in all the departments.

Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

2.3.2

Details of the course programme and the programme schedule are available to students as well as faculty in the form of syllabus book for each programme and academic calendar. The following information is included in the syllabus book.

- Introduction to the course
- Scheme of Study and Examination

which includes credits for course work.

- Syllabus of the subjects for the programme covered in academic calendar
- Code of conduct
- Attendance / Performance assessment
- Detailed calendar of the academic scheme

Does the University face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

2.3.3

At the commencement of each academic year, a detailed calendar of the teaching schedule is prepared considering the work load circulated to the constituent units. Individual faculty apportions the number of classes available as per the syllabus and is allocated the same in consultation with the Heads of the Departments and the Center Heads. The progress in syllabus is constantly monitored. Extra classes are arranged in addition to the allotted classes to complete

the syllabus. Faculty members of undergraduate departments maintain template diary which gives a detailed account of their syllabus, the number of classes conducted and the time needed to complete the syllabus. Whenever, there are unscheduled holidays and re-scheduling of classes on account of extra and co-curricular activities, the same is made up by additional teaching hours to ensure the completion of the stipulated number of hours for each course.

How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

2.3.4

The University has a `Learner First, Learner Always Approach` to the Teaching/Learning Process in

consonance with the State Youth Policy. This is implemented in both `in class` and `beyond class` learning and

2.3.4

with a range of co and extracurricular activities. The teaching-learning process in the classroom is participatory. In the training workshops, Faculty are encouraged to ensure that classroom interaction provide for 50% student talk time in order to make learning interactive and participatory. The teaching-learning is made learner centered in the classroom through:

- i) Case study analysis
- ii) Presentations by students
- iii) Group work
- iv) Simulation and role play
- v) Quiz
- vi) Brainstorming
- vii) Range of other relevant and topic specific interactive techniques.
- viii) Effective use of technology in the

classroom in order to cater to different learning styles: visual, auditory and kinesthetic.

Outside the class too, the learning opportunities are provided through

- i) Student workshops
- ii) Subject-wise exhibitions
- iii) Talks by CEOs and industry leaders
- iv) Industrial projects
- v) Educational field trips
- vi) Contribution to departmental magazines

Apart from academic activities which facilitate student centric learning, the co-curricular activities are organized by the students through which they learn organizational and leadership skills.

2.3.5

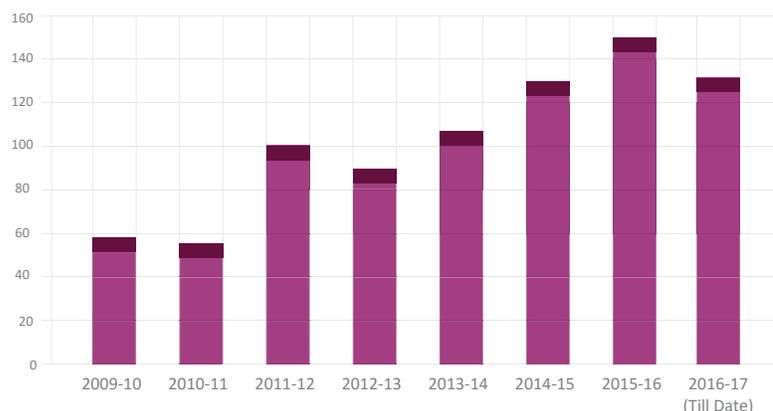
What is the University’s policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

The University has an established practice of inviting domain experts to deliver lecture to the students in their chosen field of expertise. These lectures are beyond classroom teaching which gives a broader

and analytical perspective of the subject. Experts from reputed organizations/ industries/ relevant societal organizations are invited on a regular basis by the respective departments for organizing special

Guest Lectures/Invited Talks at the University (2009-2017)	
2009-10	58
2010-11	55
2011-12	100
2012-13	87
2013-14	103
2014-15	124
2015-16	146
2016-17	130

Figure - Guest Lectures/ Invited Talks at the University (2009-2017)



lectures, seminars and workshops. The departments allocate funds every year for conducting guest lectures/ workshops and

conferences. In the past five years, many guest lectures/ invited talks have been conducted by the various departments of the University.

Does the University formally encourage blended learning by using e-learning resources?

2.3.6

Yes. The library has on-line course ware, e-learning resources and Internet facilities. The libraries of the constituent units have a host of e-journals which caters to the demands of postgraduate students, research scholars and faculty members. The Wi-Fi enabled campuses encourage blended learning by way of providing access to various websites containing e-learning resources. The Internet connections are available in all the

libraries which enhance the scope of e-learning and the orientation programme by the library staff help the faculty members and students to make the optimum use of the library facilities. The University has a **Center for Virtual learning and innovation** which has launched the Technology Enhanced Learning **(TEL)** that is powered by digital technology. Also, the faculty use technology to enhance the learning experience within the classrooms.

What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

2.3.7

➔ The University has a Center for Virtual Learning and Innovation (CVLI) which caters to the needs of students with the help of web portal where they can access notes, digital lectures, question banks and assignments at the click of a button. Technology Enhanced Learning (TEL) provides vital resources to integrate educational and information technologies into the academic environment. It enhances the mobility and flexibility of the learning process and enables greater responsiveness to the needs

of a new generation of learners.

➔ All the units of the University have adequate number of projectors to facilitate a better learning environment. Sufficient arrangements are made for audio visual learning and video presentations.

➔ Multimedia projectors, laptops, Internet, animated technical programmes, movies and documentaries are other learning resources to introduce innovative teaching methodologies.

	<p>Video conferencing facility is available at the Center for Management Studies Campus and The School of Engineering and Technology.</p>	<p>Infrastructure is also available for the screening of films for film appreciation classes under the supervision of competent faculty members.</p>
<p>2.3.8</p>	<p>Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University’s educational processes?</p> <p>The University has a democratic way of involving the faculty members in monitoring the trends and issues in MOOCs (Massive Online Open Courses). The University has signed an MoU with a US Based Company,</p> <p>EdCast by virtue of which students will have access to best courses offered by Universities across the world which will be a good supplement to classroom learning.</p>	
<p>2.3.9</p>	<p>What steps has the University taken to orient traditional classrooms into 24x7 learning places?</p> <p>➔ The University has a very healthy practice of expanding the teaching learning process beyond the confines of a classroom.</p> <p>➔ The faculty members have office hours to interact with the students, support them in their learning process, solve their problems, clear their doubts and contribute to their intellectual development.</p> <p>➔ Self-paced learning sessions are</p> <p>made available for B.Com and B.B.A students through 24x7 learning places which facilitate convenient and flexible TEL programme. The students are benefitted by both classroom teaching as well as digital lectures.</p> <p>➔ Learning Management System (LMS) allows the faculty to assign and receive assignments from students and encourages interaction between the faculty and the students.</p>	
<p>2.3.10</p>	<p>Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.</p> <p>Yes. The University has a student guidance and counselling centre, VISHWAS. The Chief Counsellor</p> <p>oversees the counselling activities of all the Centres of Jain University. A unit of Vishwas is present at all the</p>	

campuses of the University to facilitate day-to-day counseling activities. The Counselling Center mitigates the problems faced by the students in the tough competitive world.

➔ Each unit has a well-qualified and trained counsellor who attends to the emotional, personal and psychological problems of the students

➔ It is aimed at promoting mental health awareness in the student community. It provides counseling for issues related to learning problems and disabilities, substance abuse/ chemical dependency, relationship problems, personal habits, family

related issues, anger management, problems related to identity and self esteem, domestic violence and cultural/ ethnic diversity.

➔ The counsellor of the respective institution suggests ways to cope or overcome the problems by using accepted and standard counseling practices. Strict confidentiality is maintained with respect to the services and information revealed during these sessions.

➔ It is an altruistic effort on our part and the services are not charged. Details are as under:

Year (June to May)	Students covered for Personal Counseling	Students covered for Group Sessions (Psycho educative)
2009-2010	300	2 sessions
2010-2011	284	4 sessions
2011-2012	345	9 sessions
2012-2013	400	17 sessions
2013-2014	437	12 sessions
2014-2015	480	30 sessions
2015-2016	512	26 sessions
2016 till date	310	49 sessions

Figure - Students covered under counseling sessions (2009-2017)

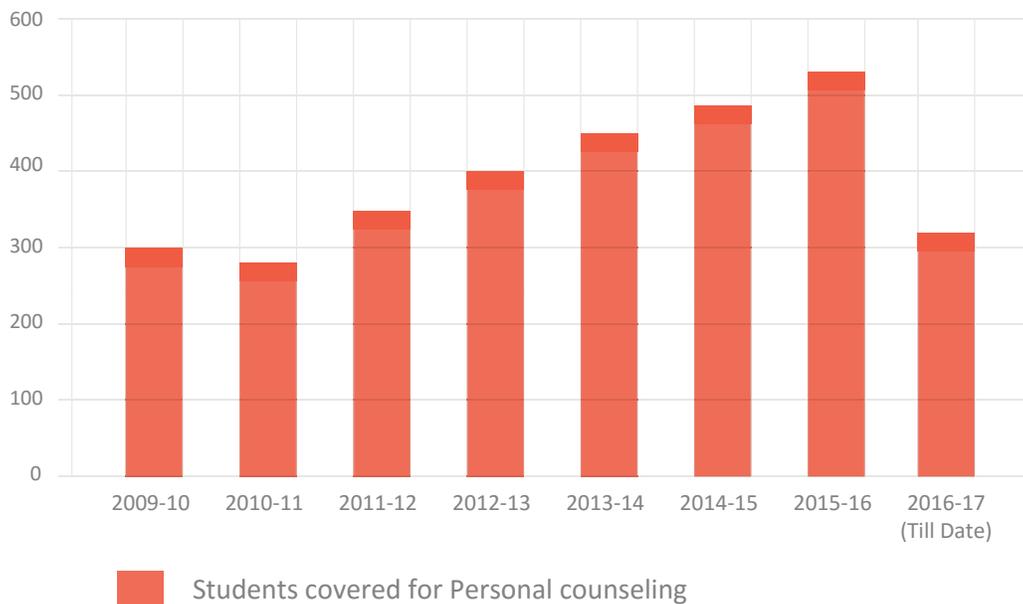
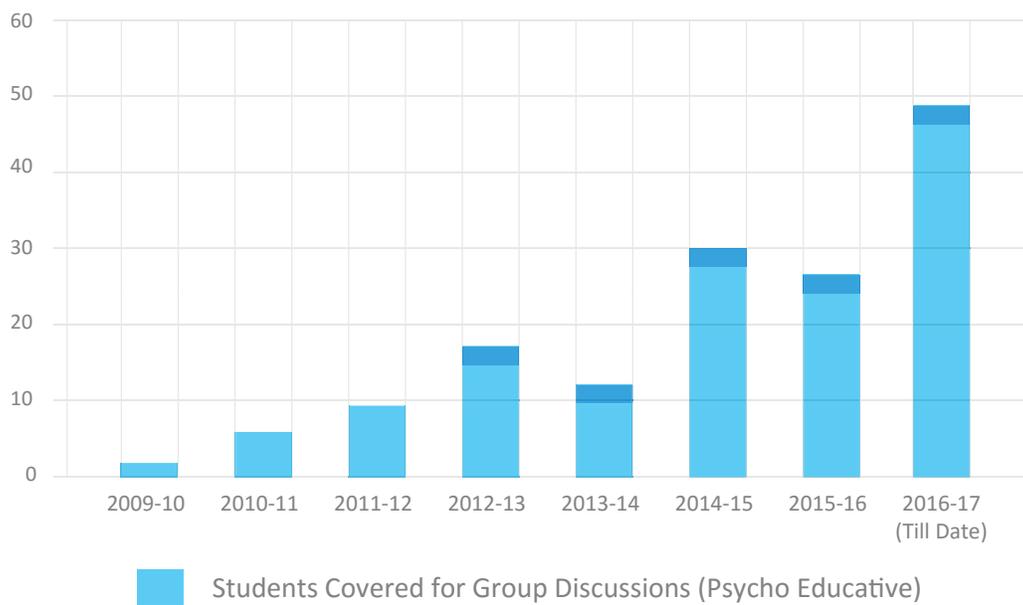


Figure - Counselling Services provided to the students (2009-17)



Were any innovative teaching approaches/methods/practices adopted / put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

2.3.11

The University believes in innovative teaching methods. Keeping this in mind the University has adopted modern methods of teaching within and beyond classroom.

- i) Case study analysis
- ii) Presentations by students
- iii) Group discussion
- iv) Simulation and role play
- v) Quiz
- vi) Brainstorming

vii) Range of other relevant and topic specific interactive techniques.

The evidence of improvement in learning is seen in the increase in the pass percentage of the students.

The University has a mechanism for the evaluation of teachers by students/ alumni. The student's feedback focuses on the broad areas like teaching, use of instructional aids, design of curriculum and completion of syllabus.

How does the University create a culture of instilling and nurturing creativity and scientific temper among the learners?

2.3.12

The faculty members have the responsibility of providing challenging opportunities to the students to enhance their intellectual skills and come out with creative solutions to the challenges faced by them during their stay at the University. Besides this, following are the methods adopted to instill and nurture creativity and scientific temper:

- Articles in the departmental magazines PULSE, JEEVAMSHU and ILLUMINATI
- Science EXPO for Undergraduate students
- In-house student projects
- Student projects with reputed research organizations like IIA, IISc, NAL etc.
- Faculty support to students to publish research output from their projects in academic and technical journals
- Motivating students to take part in various extra curricular activities
- Invited talks by scientists
- Educational visits to scientific and industrial organizations.

2.3.13

Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

The University has made student projects mandatory for all the postgraduate courses. Majority of the undergraduate programmes also have compulsory student projects in the final semester. The Student projects consist of dissertation, presentation and viva. Grades are awarded to the student projects based on the work and presentation.

Role of Faculty in facilitating such projects

The faculty members play a vital role in executing student projects. They offer them guidance for in-house projects and also enable external facilitation if required.

PG Programmes	2009-11	2010-12	2011-13	2012-14	2013-15	2014-16	2015-17
	140	409	370	659	989	1012	1194

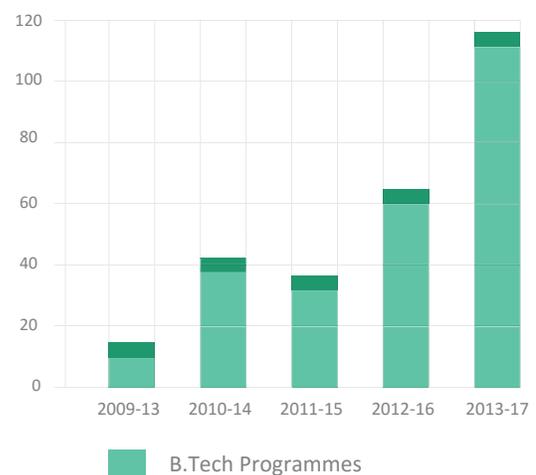
B.Tech Programmes	2009-13	2010-14	2011-15	2012-16	2013-17
	80	92	84	110	118

Detailed information about the students' projects are with the respective departments.

Figure - Student Projects- PG Programmes (2009-2017)

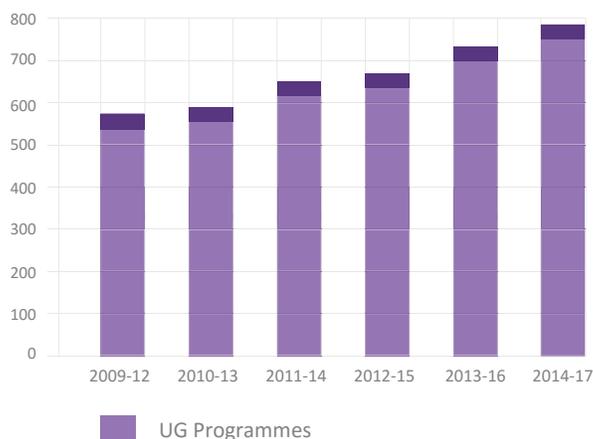


Figure - Student Projects- B.Tech Programmes (2009-2017)



UG Programmes	2009-12	2010-13	2011-14	2012-15	2013-16	2014-17
B.Sc / BCA/BBA	578	593	654	667	727	782

Figure - Student Projects- UG Programmes (2009-2017)



Does the University have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

2.3.14

Every department has adequate and qualified faculty members to meet the curriculum requirements. In each academic year, the number of courses available and the number of hours to be handled by each faculty are worked out by every department of the University. As per the stipulations, the teaching hours are distributed to the

faculty. In case of shortage, faculty who are eligible are recruited depending on vacancies and need. Special lectures are arranged according to the requirements to supplement the regular classroom teaching. Any constraints are made good by appointing visiting and adjunct faculty members for short periods.

How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the University for such efforts?

2.3.15

Faculty members are trained in the use of computers. To start with, the Technology Enhanced Learning has been introduced for B.Com and B.B.A programmes as a part of innovative teaching. The faculty identified to record digital lectures and course

materials are provided specialized training. Every campus has computers with Internet facilities allotted for the staff members. All five campuses have 100% Wi-Fi connection which enables the faculty to access the Internet and also prepare their modules. LMS in

certain campuses and public platforms like Google Groups help two-way communication between faculty and students. Learning materials,

assignments etc. are shared through these platforms. Some faculty also use social media platforms like Whatsapp as discussion forums.

2.3.16

Does the University have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

➔ Yes. The IQAC of the University plays an active role in developing, sustaining, improving and enhancing the parameters of quality.

➔ The feedback is taken twice in an academic year. One at the beginning of the semester and the other at the end of the academic session.

➔ The IQAC has taken the responsibility of collating, processing and analyzing the student feedback once it is collected. A faculty member is evaluated on twelve parameters on a seven point scale.

➔ The frequency of response for the various parameters of each faculty is identified, and observations are made by the Center Head of the constituent units.

➔ A comparative analysis of the feedback based on the previous feedback is also sent by the Center Heads.

➔ The feedback and evaluation is communicated to the respective faculty.

➔ The faculty are informed about the areas of concern to help them improve.

2.4 TEACHER QUALITY

2.4.1

How does the University plan and manage its human resources to meet the changing requirements of the curriculum?

Before the commencement of the academic year, departments of the University review the changing academic requirements of each course and incorporate suitable changes accordingly. The University has adequate number of faculty members

who are domain experts from various fields. The syllabus is updated by the faculty who are equipped to design curriculum. If necessary, the constraints are made good by appointing visiting and adjunct faculty members for short periods.

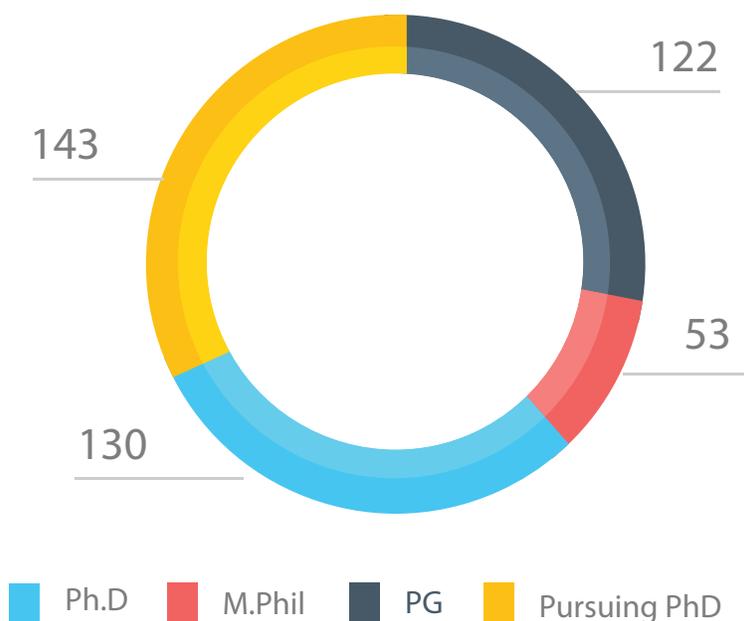
Furnish details of the faculty

2.4.2

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	40	14	13	07	30	26	130
M.Phil.	-	-	05	02	20	26	53
PG	05	02	32	18	96	112	265
Temporary teachers							
Ph.D.	NIL						
M.Phil.							
PG							
Part-time teachers							
Ph.D.	05	14	---	---	---	---	19
PG	28	63	---	---	---	---	91

*NET/SLET -> 38 faculty members

Figure - Details of the Faculty



2.4.3

Does the University encourage diversity in its faculty recruitment?
Provide the following details (department / school-wise).

School / Centers	Faculty from the same University	Faculty from other universities within the State	Faculty from universities outside the State	Faculty from other countries
<ul style="list-style-type: none"> School of Engineering & Technology International Institute for Aerospace Engineering & Management 	27	48	25	07
<ul style="list-style-type: none"> School of Sciences 	23	58	54	05
<ul style="list-style-type: none"> School of Humanities & Social Sciences School of Interior Design 	07	30	22	----
<ul style="list-style-type: none"> School of Management (UG) 	03	30	14	04
<ul style="list-style-type: none"> School of Commerce School of Management PG School of Computer Science & IT 	04	29	13	---
<ul style="list-style-type: none"> Research Centers 	06	18	18	03

2.4.4

How does the University ensure that qualified faculty are appointed for new programmes / emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

The faculty for a particular programme are selected by the expert committee appointed by the Vice Chancellor, as per the UGC norms. Each faculty is

recruited by open advertisement and care is taken to choose only those who have required qualifications in emerging areas so

as to cope with the additional teaching requirements to run new programmes. About **30** faculty members were

appointed to teach these new programmes during the last four years.

Departments/ Research Centers	Number of Faculty appointed
Bio-technology /Bioinformatics	05
Media Studies	09
Forensic Science	10
Center for Nano and Material Science	12
Center for Research in Social Science and Education	06

How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the University?

2.4.5

The University appoints Emeritus/ Adjunct Professors who are all senior academicians with rich experience in their chosen domain. Presently there are **06** Emeritus professors in the University.

Emeritus Professors

Prof. Jayagopal Uchil

Prof. R. N. Iyengar

Prof. Dattaguru

Prof. H. S. Mukunda

Prof. S.C. Sharma

Prof. A.R. Upadhya

What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/ seminars, in-service training, organizing national/international conferences etc.)?

2.4.6

Development of teachers is promoted through:

- Faculty development programmes
- Reimbursing the travel and registration fee for attending National / International seminars/ conferences.
- In-house projects are funded by the University

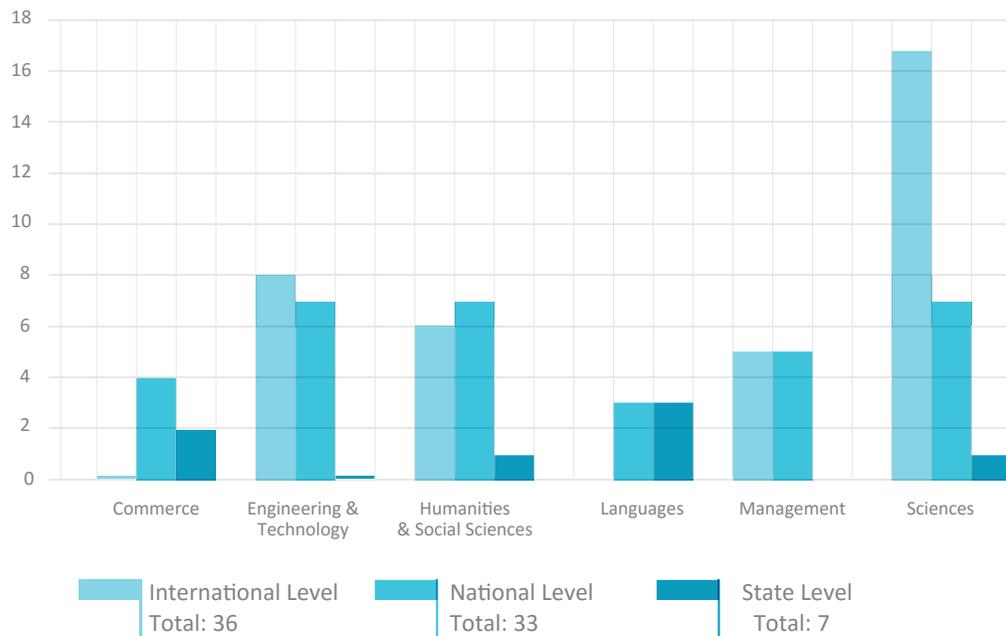
- Class adjustments are made to facilitate faculty members to pursue Ph.D
- Research incentives are provided to the faculty to publish papers in National and International Journals and to publish books with leading publishers

2.4.7

How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

There are **76** awards received by the faculty members across the Schools for excellence in teaching.

Figure : Awards and Recognitions for the Faculty



Details available with the respective departments.

How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

2.4.8

Academic Staff Development Programmes	Number of faculty
Refresher courses (UGC)	03
HRD programmes	--
Orientation programmes	150
Faculty training conducted by the University	431
Faculty training conducted by other institutions	09
Summer / Winter schools, workshops, etc.	12

*Faculty Development Programmes conducted by the University are compulsory for all the faculty members

What percentage of the faculty have

2.4.9

- ➔ Been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies? : **40 percent**
- ➔ Participated in external Workshops / Seminars / Conferences recognized by national / international professional bodies? **80 percent**
- ➔ Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies? **52 percent**
- ➔ Teaching experience in other universities / national institutions and other institutions? **30 percent**
- ➔ Industrial engagement? **5 percent**
- ➔ International experience in teaching? **5 percent**

How often does the University organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

2.4.10

Academic development:

The University has its own Academic Staff College which regularly conducts faculty development programmes at which the faculty are exposed to innovation in teaching/learning

techniques and subject related sessions, to keep themselves abreast with the latest developments.

Curriculum development:

Once in a year, the departments conduct BOS Meetings and the

necessary recommendations are approved by the Academic Council. While updating the syllabus, the current needs are taken into consideration.

Jain University has implemented the initiative of the UGC to bring about a qualitative improvement in the national higher education system through Choice Based Credit System (CBCS) from the Academic Year 2016-17 in all 3-year Undergraduate (UG) programmes.

Examination reforms:

The examination reforms on the basis

of an assessment of the needs and in the light of past experiences include:

- Prior to 2014, make up examinations for failed students were conducted. Due to the improvement of results and suggestions from stakeholders, the same was withdrawn.
- The Continuous Assessment in practicals was introduced from the year 2013.
- An exhaustive Question Bank has been prepared for almost all subjects in various courses.

2.4.11

Does the University have a mechanism to encourage

* Mobility of faculty between universities for teaching?

Yes, Prof. Batani Raghavendra Rao, faculty in Management teaches & shares his expertise at IIM, Indore

* Faculty exchange programmes with national and international bodies?

Yes

Faculty have visited on exchange to the following Universities:

- University of Exeter, UK
- University of Ghent, Netherlands
- Cardiff University, UK
- IIM Indore, India
- University of California, Berkeley
- Chulalongkorn University, Bangkok

If yes, how have these schemes helped in enriching the quality of the faculty?

*These schemes have enriched the quality of faculty, in the following ways:

- International exposure
- Adapting teaching pedagogy at par with global standards
- Adaptation to International work culture
- Establishment of good will with international universities
- Innovation of ideas through intellectual exchange
- Enhanced learning and communication skills

EVALUATION PROCESS AND REFORMS

2.5

How does the University ensure that all the stakeholders are aware of the evaluation processes that are in place?

2.5.1

At the beginning of the semester, the evaluation methods/schemes of examination are communicated to the students by the faculty. The probable dates for conducting midterm examinations, end semester examinations, assessment details and guidelines are printed in the University Handbook and Academic Calendar which is distributed to each student. The evaluation process of the students is continuous. Signatures of the students are taken on the statements of CA (Continuous Assessment) marks to bring absolute transparency. IA

(Internal Assessment) marks are displayed on the notice boards and the students can clarify IA marks with respective departments. The examination schedules, notices, timetable, and other notifications etc are put up on the website as well as on the notice board of the respective constituent units of the University. Orientation programme is conducted for M.Phil and Ph.D students so as to brief them about the rules and regulations to be followed.

What are the important examination reforms initiated by the University and to what extent have they been implemented in the University departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

2.5.2

The University follows the semester system for all its UG and PG programmes.

➔ From the academic year 2010-2011, grading system based on SGPA and CGPA score on a 10 point scale has been introduced for the course evaluation for all the UG and PG programmes.

➔ Make up examinations were conducted for those students who had failed, so as to bring them on par with the successful students.

➔ The examination system also consists of continuous evaluation through multi-mode assessment which includes assignments, seminars and mid-term examinations.

➔ The University has brought about a reform in the conduct of practical examinations so as to do away with the conventional practices. To give greater emphasis to the performance evaluation of each experiment conducted by the student, the University introduced

Continuous Assessment in all Lab courses across the University in 2013. Marks of final lab test is also taken into consideration. This reform has resulted in the students taking the practicals more seriously which has improved their competence level in their respective subjects.

➔ The software “ERP package” developed by the University covers

the entire spectrum of activities, right from the time the student sends in the application for joining the course till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conducting an examination.

➔ The latest reform is the use of an exhaustive question bank for setting up question papers.

2.5.3

What is the average time taken by the University for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for the publication of examination results (e.g. website, SMS, email, etc.).

The results are announced within 10 days of the completion of examination for the undergraduate programmes and 20 days for the postgraduate programmes. The University publishes all the results through Jain University’s website, www.jainuniversity.ac.in. The respective campuses are also notified of the same.

2.5.4

How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?

The answer scripts of all the internal tests are shown to the students after evaluation.

➔ Signatures of the students are taken on the statements of Continuous Assessment marks.

➔ The University follows a standard protocol for maintaining the confidentiality to ensure fair and unbiased evaluation of the answer scripts.

➔ The answer scripts are coded for valuation, and decoded later for processing of final results.

➔ The examiners for evaluation are chosen randomly by the Chairman of the Board of Examinations of respective disciplines from the panel of examiners approved by the University.

➔ Double evaluation method is followed in all PG courses. The average of the two evaluations will be the final marks, in all cases where the disparity between the two evaluations is less than 15 percent.

➔ If the disparity is 15 percent or more, the scripts are sent for third valuation and the average of the highest two awards is taken as the final marks.

There is a provision of challenge valuation for the Postgraduate students.

➔ For all the courses, there is provision

for re-totalling and/or re-valuation. The photo copies of answer scripts are also provided on demand for Undergraduate students.

Does the University have an integrated examination platform for the following processes?

2.5.5

* Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, and the like.

* Examination process – Examination material management, logistics, etc.

* Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.

The examination process starts with the constitution of the Board of Examiners (BOE) for all the subjects. The dates for submission of the eligible candidate list by the respective centres to the Controller of Examination (COE) are intimated in a meeting called by the COE of the University. Examination application forms for all courses are received from the respective centres and the data is used to generate hall tickets and other required forms and material. Hall tickets are distributed through the respective Chief Superintendents. To avoid any malpractice and ensure proper conduct of the examination, flying squads and external Deputy Superintendents from other centers are appointed.

➔ Examination Module in the ERP package handles all the activities involved in conducting the examinations. Hall allocation, supervisor/invigilator and custodian workload allocation and makes the activities involved in the business flow simple and easy. The packaging and coding of the script takes care of the integrity, secrecy and authenticity of the valuation system. Results are declared within a short time of confirmation of the completion of valuation process. All the documents like marks cards, transcripts, degree certificates including issue of transfer certificates are handled by the system. All the information required for the performance analysis is readily available.

Has the University introduced any reforms in its Ph.D. evaluation process?

2.5.6

Yes, the University has brought reforms in its Ph.D evaluation process.

- Confirmation of Registration

based on Synopsis presentation before a Panel of experts including an external expert

- Submission of half yearly progress reports
- Participation in open seminar once in 6 months
- Two research publications in peer-reviewed journals are compulsory before the submission of the thesis.
- Panel of Examiners submitted by the Guide is whetted by the Dean and the Ph.D. Committee. External examiners are chosen from premier research and academic institutions.
- Thesis sent to two external examiners (one from within Karnataka and one from outside the state, at times even International).
- External examiners are requested to complete evaluation process within 60 days.
- Open seminar by the scholar one month prior to the submission of thesis.
- Compulsory evaluation of the Thesis by using plagiarism software 'ITHENTICATE'
- After the announcement of the award of Ph.D, a softcopy of the thesis submitted to the UGC for hosting the same on the INFLIBNET.

For M.Phil students:

Semester 1:

Term one is of 8-month duration and includes:

- Research Methodology

- Core Paper (as an elective)
- Specialization Paper (Guide Paper)

The M.Phil candidates are expected to secure approval of the Research topic from the Guide within one month of the start of the first term. Literature review should be completed within 4 months of the start of the first term. Synopsis should be completed within 6 months of the start of the first term.

Semester 2 :

Term Two is for a duration of **4 months**, during which the candidates should complete their **Dissertation**. In addition, they must complete courses in general skills related to the teaching-learning process such as:

- Computer Application Skills
- Communicative Skills
- Pedagogical Skills and Practical Training in Teaching
- One publication in a peer reviewed journal is compulsory prior to award of Degree.

External examiners are appointed from among the Board of Examiners (BoE) appointed by the Vice Chancellor from among the panel recommended by the Guide and approved by the BoS. They are requested to complete evaluation process within a month.

2.5.7

Has the University created any provision for including the name of the college in the degree certificate?

Not Applicable

What is the mechanism for redressal of grievances with reference to examinations?

2.5.8

- For all the academic programmes, there is a provision for re-totalling and/or re-valuation
- The photo copies of answer scripts are also provided on request.
- Provision of challenge valuation for PG students.
- Any other grievance pertaining to Examination can be addressed to COE through the Center Head.

What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

2.5.9

The Office of the Controller of Examinations has made efforts to streamline its operations for the conduct of examinations in a smooth and fair manner. Software has been installed to process the results. The Software is password protected to avoid any scope for malpractices.

A ledger copy is being maintained for later use. An exhaustive question bank has been prepared by all the departments to facilitate the smooth preparation of the question papers and also to avoid typographical, clerical errors and to ensure the confidentiality.

STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6

Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

2.6.1

The University has clearly articulated in its regulation of various courses for UG and PG programmes, the graduate attributes and the norms and behavior expected. The University administrators have been monitoring these general attributes as and when required. Mentoring, counselling and feedback mechanism ensures proper

monitoring which leads to achieving the expected outcome.

A few of graduate attributes of our University are:-

- In depth expertise in the chosen field.
- Good citizenry.

- Critical thinking and problem solving.
- Excellent Teamwork and communication skills.
- Career and leadership readiness.
- Intercultural and ethical competency.
- Self-awareness and emotional intelligence.

2.6.2

Does the University have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The learning outcomes are clearly stated in the curriculum of each programme. At the beginning of each academic year, all the students are provided with a syllabus book with subject- wise and unit-wise topics to be covered and scheme of examination.

The faculty members discuss the expected learning outcomes during the Orientation programme of the new batch of students. Planning of the lessons semester-wise and its

implementation by the faculty is done keeping in view the learning outcomes.

The course curriculum is designed to prepare students not just for a job but for a career and life. The focus is on shaping them into skilled professionals, inspiring leaders and contributing citizens.

Almost all the programmes have compulsory projects which help them to apply the concepts to real life situations.

2.6.3

How are the University’s teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

Besides the lectures, other methods of learning experiences provided to the students include:

- Opportunities for participation in classroom activities through group discussions, case study analysis, class seminars, brainstorming, role play, quiz and other innovative activities
- Field visits relevant to domain of study
- Surveys
- Industrial training and/or other

relevant training depending on domain of study

- Tutorials/Seminars
- Project work
- NSS, NCC, Sports and other community outreach activities ensure strengthening of the value system of the learner and adds to their sense of social responsibility.
- Value enhancing programmes like Human values and Mind management are also incorporated in the curriculum.

- In addition to the curriculum enrichment programmes, value addition courses, certificate and diploma courses are also offered so as to meet the changing/ emerging national and global trends.
- The assessment strategies are aimed at helping learners understand their true potential

and enhance their skill set. The focus is to provide them additional opportunities for learning and hone their latent talents and capacities. Both formative and summative assessment strategies are employed to ensure that assessment is a tool for continuous improvement and not for categorization of learners.

2.6.4

How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

- The learning outcomes are collated through the regular informal interactions in the classes, periodic tests, home-assignments, seminar presentations as well as the end term examinations.
- Analyzing the examination results at the end of each semester makes it possible for the faculty to devise corrective action wherever necessary. This ensures enhanced performance in successive examinations.

- The student-centric teaching and learning methods ensure the achievement of learning outcomes.
- Analysis of student feedback on the performance of teachers by the IQAC of the University
- Feedback from successful student alumni and outgoing students.
- Academic audit by University officials.

2.6.5

What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The University has taken several measures to improve the teaching, learning and evaluation processes. To meet the challenges in such processes, the following are in vogue:

- Curriculum is updated regularly
- Use of ICT tools in the classrooms
- Innovative projects

- Innovative/ Interdisciplinary programmes
- Technology enabled learning- Virtual programme
- Study tour/ Field visits
- Internships
- Learning Management Software (LMS) in the respective departments.

2.6.6

OBSERVATIONS OF PEER TEAM:-

Catering to Student Diversity

- Bridge courses, remedial classes, mentoring and counselling not conducted.
- University Industry Interface needs strengthening.

Teacher Quality

- Limited number of teachers possess Ph.D degree
- The participation of teachers in refresher/orientation courses is minimum
- No funding is available for pursuing Ph.D under QIP.

Student Performance and Learning Outcomes

- The performance at national level tests such as NET, GATE and SLET is not encouraging.

COMPLIANCES:

Catering to Student Diversity

- Bridge and remedial courses are conducted systematically by all the departments. The details are available with the respective departments.
- Each School has a trained counsellor and the Chief Counsellor of the University coordinates the activities. VISHWAS the Counselling Unit of the University takes care of student counselling across the Schools and conducts awareness programmes for students in multiple domains.
- Mentoring is done by each faculty

member. The mentor-mentee system is very strong. Each mentor is allotted 20 students. The data sheet of each student is maintained by the mentor. Periodic meetings are conducted by the mentors.

- The committee has noted that “Mentoring and Counseling provide a good support system to students”. (Please refer to 2.5.1 of the Peer Team Report).
- The University Industry Interface is very strong. On the advice of the Peer Team an Associate Director has been appointed to take care of this cell. Industry Interface is reflected in the internship based training, field based training, value added courses and talks by experts. The committee has noted that “Syllabus of many subjects is field based/ Internship based” (Please refer to 2.7.2 of the Peer Team Report).
- The research centers of the University also have strong linkages to the industry.

Industry Linked Programmes include

- M.Tech in Energy Engineering & Energy Management, M.Tech in Building Science & Technology, M.Tech. in Food Technology, M.Tech in Aerospace Engineering, M.Sc in Storage & Cloud Technology, M.B.A. in Aviation Business Management, MBA in Entrepreneurship, B.Sc in Interior Design, B.Sc in Animation,

B.Sc in Visual Effects, BMS in Tourism and Hospitality Management, and B.Com (Honours) in different specialization streams.

Teacher Quality

- About 130 regular faculty members hold Ph.D degrees. About 143 faculty members are pursuing their doctoral degrees.
- Till date 214 Faculty Development Programmes (FDPs) have been organized for all faculty members of Jain University. Specialists from reputed institutions and training centers are invited to conduct FDPs. All the documents are available with Academic Staff College of the University.

- Faculty Members pursuing Ph.D degree with Jain University are given 50% concession in fees, relaxation in class hours and permission to pursue research work. University also facilitates the faculty members pursuing Ph.D. in other Universities/Institutions by adjusting their workload, allowing them to use the University's infrastructure, laboratories, library and Internet facilities.

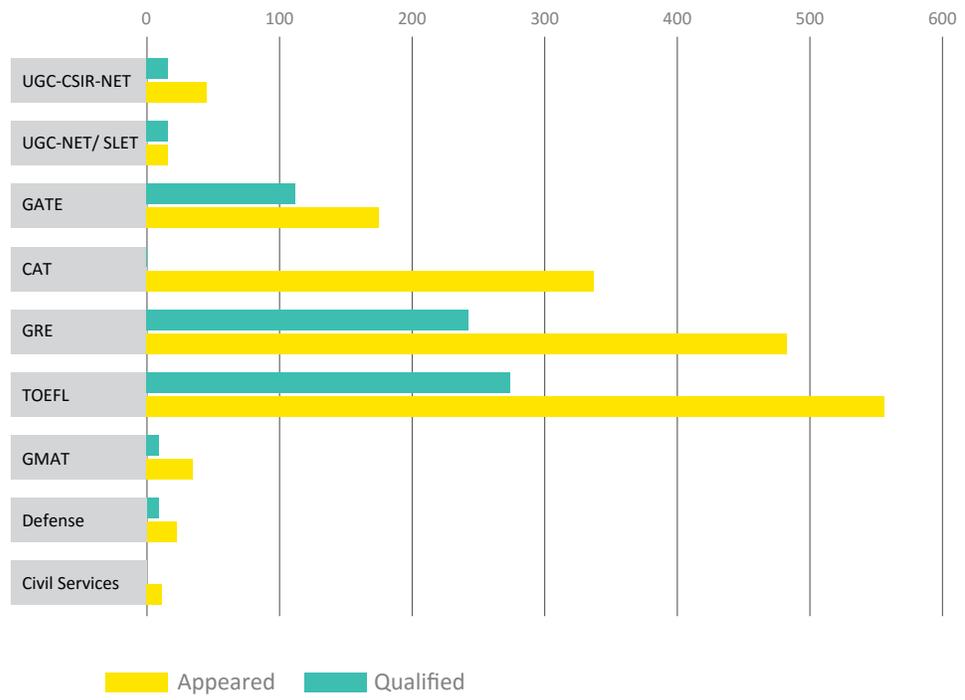
Student Performance and Learning Outcomes

- Students are encouraged to take up National level aptitude tests. In house coaching is available for students desirous of enrolling in the competitive examinations. Progression records are available in the respective departments.

The following is the status of students appeared/qualified in competitive exams

Examination	Appeared	Qualified
UGC-CSIR-NET	43	07
UGC-NET/ SLET	12	08
GATE	168	114
CAT	336	01
GRE	483	221
TOEFL	536	261
GMAT	36	11
Defense	24	12
Civil Services	09	01

Figure - Student performance and learning outcomes





CRITERION III:
RESEARCH, CONSULTANCY
AND EXTENSION

3.1 PROMOTION OF RESEARCH

3.1.1

Does the University have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes.

A Research Development Cell (RDC) has been established with the Vice Chancellor as the Chair and the Pro Vice Chancellor, the Deans of Faculty, Directors of the Research Centres and eminent experts as members. The RDC oversees the entire gamut of research activities undertaken at the University level. The RDC has created Research Development Units (RDUs) in each Faculty. Each RDU is headed by the concerned Dean and consists of all the heads of the departments in the Faculty, professors and external experts from the relevant research domains.

The RDC also oversees the Ph.D. and M.Phil Programmes of the University.

Additionally, it coordinates the activities of the research centres of the University. The major and minor research projects that are proposed by Faculty are vetted by the concerned RDUs and subsequently approved by RDC and forwarded to the concerned sponsoring agencies. In house projects are reviewed by the RDUs and recommended to the RDC for approval. The University sets aside a portion of its budget for such in-house research projects. The approved project coordinators are required to submit bi-annual reports to the concerned RDUs. The RDC also conducts workshops and seminars on research methods at regular intervals for faculty and research students.

3.1.2

What is the policy of the University to promote research in its affiliated / constituent colleges?

Jain University is a Unitary deemed University and non-affiliating.

What are the proactive mechanisms adopted by the University to facilitate the smooth implementation of research schemes/ projects?

Dean (Research) functions under the RDC and oversees all the research activities of the University. The RDC implements following mechanisms to ensure smooth implementation of research schemes and projects:

- Providing seed money and ensuring timely release of grants
- Advancing funds for sanctioned projects
- Simplifying procedures to obtain approval and funding for projects
- Ensuring autonomy for principal investigator
- Conducting timely and transparent auditing
- Assisting researchers in timely submission of utilization certificates to internal and external funding agencies
- Facilitating purchase of equipment
- Maintaining separate bank accounts for each project

3.1.3

How is interdisciplinary research promoted?

- * between/among different departments /schools of the University and
- * collaboration with national/international institutes / industries.

The University believes in promoting inter-disciplinary research at all levels. This is facilitated through the following:

- ➔ Making provisions for inter-disciplinary research programmes at the M.Phil and PhD. Levels.
- ➔ Collaborations between different Schools and Research Centres of the University in offering programmes of interdisciplinary nature.
- ➔ Joint supervisors and subject experts for research programmes and student projects that require

expertise in more than one field. All projects requiring joint supervision are approved by the Research Council.

- ➔ The University also has collaborations with national/international research institutions of excellence for execution of research projects. Most of these are interdisciplinary in nature. Additionally, there is a provision for exchange programmes with industries, research bodies and other universities to promote collaborative research.

3.1.4

Provided underneath is a list of inter-disciplinary research (being pursued and already awarded) by the students at the Ph.D. and M.Phil levels:

Ph.D

Name of the scholar	Topic	Inter disciplinary area	Guide	Status
M. S. Amarnath	Alternative Approaches in Art practice	Cultural Studies & Visual Arts	Dr. Choodamani Nandagopal	Degree Awarded
Rashmi Niranjan	Changing Trends in the Visual Culture of Bengaluru City – 100 years of outdoor advertising and advertising spaces	Cultural Studies & Visual Arts	Dr. Choodamani Nandagopal	Submitted
Arun Bharadwaj	Socio-Cultural Approach to Joyful Living	Cultural Studies & Management	Dr. Choodamani Nandagopal	Submitted
Lakshmi Gopalswamy	Classical performing arts as a ritualistic offering in temples with a special reference to the temples of Kerala.	Cultural Studies & Women Studies	Dr. Choodamani Nandagopal	Ongoing
Vikram Mohan Rao	Addressing Bangalore's Traffic and Related Problems and Proposing a Probable Design Model – From the Perspective of Socio-Cultural Transformation	Cultural Studies & Urban Design	Dr. Choodamani Nandagopal	Ongoing
Sadhvi Uditia	Jain Dharmmeinnihitac haronkemadhyam se tanavprabandhan	Culture studies & Psychology	Dr. Choodamani Nandagopal	Awarded
Gana B P	Identity formation, memory, and regionalism: A Post colonial study of Kodava literature	Sociology & Literature	Dr. K.G. Bhuvana Maheshwari	Ongoing
Shruthi	Aviation science of Vedic era, A strong foundation to advanced aerospace technology	Sanskrit & Aviation Studies	Dr. Rajani Jairam	Ongoing
Yuvaraj Chakradhari	Development of laboratory scale microbial fuel cell with efficient electrogenetic bacterial cultures	Microbiology & Biochemistry	Dr. Araganathan / Dr. Soda Deshmukh	Ongoing
Sharada	A critical analysis of Protégés views on efficiency of mentoring programmes: a study on middle level employees in five MNC's at Bangalore	Management, Sociology & Psychology	Dr. Bagali	Ongoing
Shalini Shukla	Women in Indian Corporate Sector: Lessons for Management Students	Management, Sociology, Psychology, & Women Studies	Dr. Bagali	Ongoing

Name of the scholar	Topic	Inter disciplinary area	Guide	Status
Nita Choudhary	The interdependence of locus of control, work-family conflict with work-family balance among managerial level in defense manufacturing companies in Bangalore	Management & Sociology	Dr. Shikha Ojha	Permission to submit
NVH Krishnan	Impact of micro finance on entrepreneurship capacity building	Management, Economics, & Public Policy	Dr. Sashi Shivarama krishnan	Permission to submit
Sunitha	The Study on the Impact of Integrated Marketing Communications by Political Parties on Consumers (Voters) in India	Management, Public Administration & Political Science	Dr. Sandeep Shastri	Ongoing
Vasant Kothari	Study of awareness of kid's wear safety regulation in India	Management & Law	Dr. Soney Mathew	Ongoing
Shanbaga	Financial viability of food processing industry - comparative study of dairy industry & poultry industry of Uttarakannada district of Karnataka state.	Management, Dairy Farming & Agriculture	Dr. Mahabaleshwara Bhatta	Ongoing
Monika Bansal	Forensic Accounting- An investigative approach to reduce frauds	Management, Law, Forensic Science & Criminology	Dr. D N S Kumar	Ongoing
Sashidhar Puttala	Leadership Styles: Study on service and Manufacturing Industries from a comparative perspective	Management & Psychology	Dr. Shashi Kumar	Ongoing
R M Sudhakar	Studies on opportunities, challenges and cost effective information technology practices for small and medium sized enterprises	Management, Engg & IT	Dr. Y Vijay Kumar	Ongoing
Lakshmi B	Study of Unsteady mixed convection boundary layer flow over a vertical stretching surface	Mathematics & Mechanical Engg.	Dr. Ramanarasimha Dr. K.R. Jayakumar	Ongoing
Shinu Abhi	Social Entrepreneurship : Developing a Model	Management & Public Policy	Dr. Sandeep Shastri	Completed
Jonalee Das	Impact of SA 8000 on the working conditions of women factory workers in the Textile Industry	Management, Public Policy, & Women Studies	Dr. Sandeep Shastri	Ongoing
Nikunj Trivedi	Portrayal of Patriotism in Regional Indian cinema	English, Film Studies & Political Science	Dr. Sandeep Shastri	Ongoing

M.Phil

Name of Student	Topic	Interdisciplinary area	Guide	Status
Kavita D.K	Indigenous games and Panchabhoota	Visual Art	Dr. Choodamani Nandagopal	Completed
Vidya Kumari	Kineasthetics and Kinetics in Dance Techniques of South, India	Dance and Bio Technology	Dr. Choodamani Nandagopal	Completed
Aruna K. R.	AdinathaCharite: A Comparative Study (Kannada- Pampa's Adipurana Apabhramsha- Pushpadanta's Thisatti Mahapurisa Gunalankara)	Cultural Studies & Kannada Literature	Dr. Rekha Jain / Dr. Soumya Manjunath	Completed
Shobha Ramesh	Socio-Cultural Renaissance through Music	Economics & Music	Dr. Choodamani Nandagopal	Ongoing
Aparna R.S	Identifications of Botanical Plants in Sculptures of Hoysala Times	Cultural Studies & Botany	Dr. Choodamani Nandagopal	Ongoing
Deepali Priyesh Patil	Comparative Study of Conduct In Jainism and Ayurveda With Reference to Modern Relevance	Cultural Studies, Jainism & Ayurveda	Dr. Rekha Jain	Ongoing
Neetu Prakash	Brand Building and Politicians : A Case Study of Narendra Modi and Rahul Gandhi	Cultural Studies, Journalism, Public Policy & Political Science	Dr. Sandeep Shastri	Completed
Nikunj Trivedi	Portrayal of Patriotism in Hindi Cinema	English, Film Studies & Political Science	Dr. Sandeep Shastri	Completed
Shinu Abhi	Social Entrepreneurs	Management & Public Policy	Dr. Sandeep Shastri	Completed

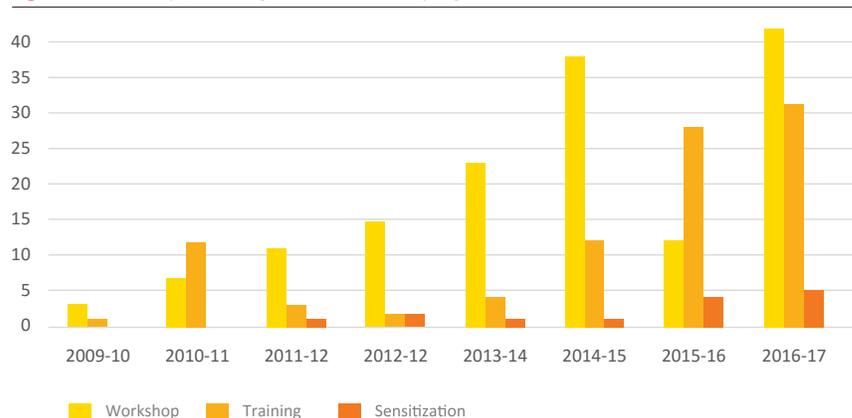
3.1.5**Give details of workshops/ training programmes/ sensitization programmes conducted by the University to promote a research culture on campus.**

The University believes that workshops, training programmes and sensitization programmes add to the consequence of education and enrich the students and faculty

members. Organising these events and programmes also nurtures our research culture and disseminates knowledge.

Year	Workshop	Training	Sensitization
2009-10	03	01	-
2010-11	07	12	-
2011-12	11	03	01
2012-12	15	02	02
2013-14	23	04	01
2014-15	38	12	01
2015-16	12	28	04
2016-17	42	31	05

Figure - Workshops/ training and sensitization programmes (2009-17)



Some of the highlights are mentioned underneath:

Annual Research Retreat

A practice started in 2012, Research Retreat has been held for four consecutive years at Jain University. The Retreat is held for the guides and research scholars of the University and is aimed at bringing together researchers across domains and the guides from varying faculty on to a single platform, at the **Research Retreat held in 2015**, three Plenary Sessions, four concurrent Faculty Plenary Sessions and over twenty concurrent subject based sessions, besides an Inaugural and valedictory programme were conducted. Close to 290 doctoral students and over a 100 Guides participated in the event.

In the Research Retreat 2016, the key highlights included plenary sessions on topics ranging from fourth industrial revolution, scope for interdisciplinary research in the country to emerging trends in branding, along with keynote

addresses by professional experts and valedictory speech by Kiran Mazumdar Shaw, Chairperson and Managing Director of Biocon. The event offered an exclusive opportunity for researchers to learn about emerging opportunities and rising demands in different fields from the panel discussions addressed by notable dignitaries, present their research progress and hold discussions with their guides.

Research Conclave 2015

Research Conclave 2015 was organised to showcase to distinguished scientists, engineers, social scientists and management experts the doctoral research, consultancy projects and research projects being carried out in the University. Bharat Ratna Dr. C.N.R. Rao, National Research Professor inaugurated the exhibit of research activities poster presentation during Research Conclave.

Annual Summer School on Quantitative Data Analysis

Every year, the University hosts a 10 day long Summer School on Quantitative

Data Analysis in association with Lokniti, New Delhi. The workshop is open to participation from research scholars and academicians all over the country. The resource persons are drawn from a pool of international and national researchers and academicians of repute. The workshop is meant to train participants in research methodology and latest techniques in data analysis.

Faculty Development Programme on Data Analysis through SPSS

Held every year in association with iNurture, this is another initiative of the University to promote a culture of research on its campuses. This FDP is intended to help faculty members, managers, researchers, management students to sharpen their Analytical

Skills through SPSS (Statistical Package for the Social Sciences). The program is designed to cover all relevant aspects of Statistical Data Analysis starting from the very basics of Data Preparation, Data Cleaning to Advance Statistical Techniques including the theoretical aspects behind such techniques.

Orientation and Training Programmes for Research Students

The intake of research scholars is followed by orientation sessions every year to integrate them into the research culture of the University. The scholars are given information on the research policies followed by the University and also an insight into the research work going on at various research centers and departments.

3.1.6

How does the University facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the University?

The University believes in taking guidance from external experts and researchers of eminence. At regular intervals the departments of the University consult domain experts who are engaged in high impact research and appoint them as visiting or adjunct faculty to provide guidance and add strength to research activities. Experts are also chosen as research guides in some areas where specific guidance is needed. The dialogue with eminent experts has created a platform for innovative ideas to develop. It has also been instrumental in attracting research collaboration and facilitating tie-ups with research institutes of

excellence and guiding the research scholars to avail some of the experimental facilities outside the University. Some of the Professors of Eminence working as Adjunct/ Visiting faculty are as follows:

1. Prof. Dattaguru B, Aerospace Engineering / IIAEM
2. Prof. H.S. Mukunda, FCRC
3. Prof. S C Sharma
4. Prof. Gaurdachar Raju, Electronics & Communication Engineering
5. Prof. Nagabhushan, Electrical & Electronics Engineering
6. Dr. P.A. Ashwathnarayan, Aerospace Engineering / IIAEM
7. Dr.M.R. Pranesh, Civil Engineering

What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

3.1.7

About 4% of the total budget is allocated for research.

Particulars	% of Expenditure
Infrastructure	08
Laboratory	04
Equipment	04
Salary	07
Miscellaneous	02

As a support measure for research activities to go on smoothly, the library is well equipped with journals, books and the laboratories have been supplied with state of the art equipment, consumable materials

and Internet facilities. The institution has always given an extensive support to research activities and researchers. Allocation and sanction of budget has never been a constraint for research.

In its budget, does the University earmark funds for promoting research in its affiliated colleges? If yes, provide details.

3.1.8

Not Applicable

Does the University encourage research by awarding Post-Doctoral Fellowships/Research Associate ships? If yes, provide details like number of students registered, funding by the University and other sources.

3.1.9

Financial Assistance is provided to research scholars to a limited extent by the University. The research scholars who are enrolled for Ph.D programmes are given the facility to apply for the research scholarship and secure the same if they are eligible. A list of such students is given below:

SI No	Name	Subject	Fellowship	
1	Lokamamya Chikmath	Aerospace Engg.	Jain University	JRF
2	Prerana V	Biotechnology	DST INSPIRE	JRF
3	ArchanaBharati	Biotechnology	DST INSPIRE	JRF
4	Minchitha K U	Biochemistry	DST INSPIRE	JRF
5	M A Madhuvanathi	Music	Indian Council for Cultural Relation (ICCR)	JRF
6	Neetulsrani	Biotechnology	Jain University	JRF
7	Babu V S	Biotechnology	Jain University	JRF
8	Shwetharani R	Biotechnology	Jain University	JRF
9	Usma Dave	Biotechnology	Jain University	JRF
10	YuvrajChakradhari	Biotechnology	JRF DRDO	JRF
11	Ramyasmruthi S Talanki	Biotechnology	JRF DST	JRF
12	Bharat	Biotechnology	JRF DST	JRF
13	Tanisha	Biotechnology	RGNF	JRF
14	Ashwini	Biotechnology	Jain University	JRF
15	Dhanya	Biotechnology	CSIR	JRF
16	Bibechana Timsina	Biotechnology	Jain University	JRF
17	Bhavya J	Biochemistry	Jain University	JRF
18	Chandan H R	Biochemistry	Jain University	JRF
19	Megha Shukla	Chemistry	DST INSPIRE	JRF
20	Shirisha Namavarapu	Microbiology	Jain University	JRF
21	Praveena N	Chemistry	Jain University	JRF
22	Appaji M Ashwini	Microbiology	Jain University	JRF
23	SayeedaMussavira	Biochemistry	Jain University	JRF
24	Sanjana Malhotra	Psychology	Jain University	JRF
25	Jyothi MS	Chemistry	Jain University	JRF
26	Murali Krishna	Chemistry	Jain University	JRF
27	Laveena Precilla D' Souza	Chemistry	Jain University	JRF
28	K Alamelu Ramasami	Chemistry	Jain University	JRF
29	K R Chethana	Chemistry	Jain University	JRF
30	Ravishankar T N	Chemistry	Jain University	JRF
31	Jayamohan N S	Microbiology	Jain University	JRF
32	K Manjunath	Microbiology	Jain University	JRF
33	Shwetha	Microbiology	Jain University	JRF
34	Soumya Ravikumar	Biotechnology	DST INSPIRE	JRF
35	Chaynika Prakash	Microbiology	Jain University	JRF
36	Vineetha MS	Biochemistry	Jain University	JRF
37	Priyanka Pachauri	Biotechnology	Jain University	JRF
38	Vasudha M P	Electronics	Jain University	JRF
39	Gulshan Khaliq	Microbiology	Moulana Azad National Fellowship	JRF

SI No	Name	Subject	Fellowship	
40	Sameen Farha	Biotechnology	Moulana Azad National Fellowship	JRF
41	V Saravanan	Chemistry	Jain University	JRF
42	Nayak Vignesh Vittala	Chemistry	Jain University	JRF

What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the University monitor the output of these scholars?

3.1.10

Some of the research scholars have availed the facility of sabbatical leave. The scholars are advised to give regular updates of the progress of their work including attendance certificates from various libraries, research institutions and other facilities they have visited during the course of their study.

The MPhil and Ph.D students are regularly monitored and are required to produce half-yearly progress reports, attend skill development programmes and make presentations on their chosen topics. Some of our faculty members who have taken a sabbatical leave are as follows:

Name of the Faculty	Place of visit
Dr. Vinayachandra B K	University of Ghent, Netherlands
Dr. Anuradha Choudaray	University of Ghent, Netherlands
Dr. Chimpalataradi Ashok Kumar	National Research Council, USA Research Associate Award at Air force research laboratory, US Air force Academy
Dr. Sandeep Shastri	National Taiwan University, Taiwan; University of California, Berkeley; University of Qatar, Doha; Lahore University of Management Science, Lahore; Kings College, London; School of Oriental and African Studies, London; University of Ethiopia, Addis Ababa; University of Cape Town, South Africa; for collaborative projects, guest lectures and dialogue
Dr. Mahesh Padaki	AMTEC, University of Malaysia - Johar
Dr. R.S. Keri	Centro de Quimica Estrutural, Instituto Superior Tecnico, Universidade Tecnica de Lisboa, Portugal
Dr. Samrat D	Northwest Normal University, Lanzhou, Gansu, China.
Mr. K. Manjunnath	University Federal of Rio Grande do Sul
Mr. Ravishankar TN	Laboratory of Thin Films and Nanostructure Fabrication (L3F nano), Institute of Physics, Universidade Federal do Rio Grande do Sul, Brazil.

Name of the Faculty	Place of visit
Ms. Jyothi M S	Chulalongkorn University, Pathumwan, Bangkok, Thailand
Mr. S. Murali Krishna	King Mongkut's University of Technology Thonburi, Bang Khun Thian, Bangkok, Thailand
Mr. K. Suresh Kumar	Chungnam National University, South Korea
Dr. Rajani Jairam	Cardiff University, UK Nanyang Technological University, Singapore
Dr. Shailaja Shastri	Bolton University, UK

3.1.11

Provide details of national and international conferences organized by the University highlighting the names of eminent scientists/scholars who participated in these events.

Conferences Organized	2009	2010	2011	2012	2013	2014	2015	2016	Total
International	--	-	01	06	04	01	05	4	21
National	02	07	11	13	18	37	9	35	132

Faculty members have attended 1466 National Conference and 160 International Conference during 2009-2016.

3.2 RESOURCE MOBILIZATION FOR RESEARCH

3.2.1

What are the financial provisions made in the University budget for supporting students' research projects?

Students undertake projects at PG and UG levels pertaining to their curriculum. No financial support is provided for this. However, for students participating in prestigious project competitions like SAE, 100% financial support is provided. Also, the

University conducts events such as IDEA and INVENTECH which are used to encourage students to come up with innovative projects. Cash awards are given to the chosen ideas along with monetary support to build prototypes.

Has the University taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

3.2.2

The University has taken special interest in encouraging the faculty to file for patents. The details of the patents filed so far are enlisted below:

STATUS OF PATENTS FILED BY JAIN University

SI No	Category	Nos.
1	Number of patent applications filed and application number received from patent office	15
2	Number of patent applications sent to NRDC Under processing to file in Patent Office	08
3	Disclosures received and under process at Jain University	02
4	No. of patents granted (It is learnt from Patent office that it takes approximately 4 years to grant a patent due to shortage of patent examiners at patent office)	04
5	Patent filed by Research Scholars	02

Details of the Patent Applications are as below:

SI. No	Name	Title	University/ Center	Application Number
1	Dr. Geetha Balakrishna	A process of disinfection of water using broader spectrum of solar radiation	Center for Emerging Technologies	3516/CHE/2010
2	Dr. Geetha Balakrishna	A process for rapid detection of food and water borne pathogens	Center for Emerging Technologies	3517/CHE/2010
3	Dr. Geetha Balakrishna	A process of photo elimination of Ethidium Bromide, A potent mutagen using renewable source of energy	Center for Emerging Technologies	3204/CHE/2010
4	Mr. Dhruv K Gera	Eco friendly fan	Center for Management Studies	3937/CHE/2011
5	Mr. Dhruv K Gera	Eco friendly mechanized universal household water saving adapter	Center for Management Studies	3936/CHE/2011
6	Mr. Dhruv K Gera	Eco friendly universal timer based adapter for powering household appliances	Center for Management Studies	3935/CHE/2011

Sl. No	Name	Title	University/ Center	Application Number
7	Ms. Anila Bajpai	Eco friendly intelligent safety apparatus	Center for Management Studies	3938/CHE/2011
8	Mr. Dhruv K Gera	Eco friendly flow control device for tobacco smoking	Center for Management Studies	225/CHE/2012
9	Mr. Dinesh Nilkant	Alerting device for SMS and Calls	Center for Management Studies	226/CHE/2012
10	Dr. K.Gopalakrishna, C.B.Mohan	Composite paste to build up surfaces and the process of making the paste	Center for Emerging Technologies	4903/CHE/2012
11	Mr. Dinesh Nilkant	A web based online learning portal for an educational system	Center for Management Studies	2615/CHE/2012
12	Mr. Dushyantha Nuggehalli Devegowda, Ms. Suma Mr. Manjunath Nagaraj, Mr. Mrityunjaya Vittala Latte	A system and method for invehicle traffic sign and route indication and automatic vehicle control	Department of Electronics and tmmunications Engineering	747/CHE/2014
13	Dr. Srividya	A process of amylase production from Bacillus for textile desizing	Center for Post Graduate Studies	2177/CHE/2014
14	Dr. Gopalakrishna	Checking gauge for a work piece	Center for Emerging Technologies	2288/CHE/2014
15	Dr. Sidappa Patil	Surface modification of inorganic nanoparticles for development of organic-inorganic nanocomposites	Center for Nano and Material Science	PCT/ IN2015/050180

Patent Applications sent to NRDC

1	Dr. Kathyayini	Development of acid functionalized MWNTs for esterification of benzyl alcohol with carboxylic acid	Center for Emerging Technologies	Applications sent to NRDC
2	Dr.Kathyayini	Design and development of low cost thermal paste	Center for Emerging Technologies	Applications sent to NRDC
3	Dr. Nagendra Kempegowda, Mr. Mohan Krishna Srinivasan, Mr. Raghu Nanjundegowda	A Novel Scheme for Increasing the Effective output of Solar Pumping System	Dept of Electronics and Communication Engineering	Applications sent to NRDC
4	Mr. Dushyanth Nuggehally Devegowda, Mr. Mruthunjaya V. Latte	Image Construction in Ultrasonic NDT Using Camera Based Position Sensors	Dept of Electronics and Communication Engineering	Applications sent to NRDC
5	Dr. Mohan Chikkamaranahalli, Bhoganarasimhaiah , Dr. Krishna Venkatesh, Dr. Gopalakrishna Keshava Narayana	Development of additive based lubricants for sliding surfaces	Center for Emerging Technologies	Applications sent to NRDC
6	Mr. Roopak Raj S	Page Mate	Department of Aerospace Engineering	Applications sent to NRDC
7	Dr. Ravi Kumar Kadeppagari, Mr. Sukrutha Suresh, Dr.Venkata Krishna Bayineni,	Economic processes for the production of bilirubin oxidase	Center for Emerging Technologies	Applications sent to NRDC
8	Dr. Goplakrishna , Dr. K .Venkatesh, Mr. Jagadeesha	Novel Circuitry for improved Mileage in a direct/multiport fuel injection system	Center for Emerging Technologies	Applications sent to NRDC

Disclosures received and under processing

1	Dr. Bindhu O.S., Ms. Maheshwari Kumari Singh	Novel purified latex proteases for wound healing (hemostatic) potential	Center for Post Graduate studies	Disclosures received
2	Dr. Bhaskar Dixit	Novel improved stove	Center for Disaster Mitigation	Disclosures received

Number of Patents granted (it is learnt from Patent Office that it takes approximately 4 years to grant a patent due to shortage of patent examiners at patent office)

1	Dr. Geetha Balakrishna	A novel process for the synthesis of boron enriched magnetic nanoparticles	Center for Nano and Material Science	6012/CHE/2014 A
2	Dr. Bhaskar Dixit	Arrangement for obtaining uniform surface temperatures on surfaces heated by cookstoves	Center for Disaster Mitigation	5176/CHE/2014 A
3	Dr. Bhaskar Dixit	Enhanced hybrid ejector reverse-downdraft stove (Ehers) - N KG/Hour	Center for Disaster Mitigation	5175/CHE/2014 A
4	Dr. H S Mukunda	Improved ejector induced gasification stove-N KG/Hour	Center for Disaster Mitigation	2418/CHE/2014 A

Patent filed by Research Scholars

1	Ms. Ligi Jose	Recombinant variable surface glycoprotein and monoclonal antibody based competitive inhibition enzyme linked immunosorbant assay for detection of antibodies against Trypanosomaevansi	Research Scholar	Patent application Number: 370/CHE/2015, dt. 25.01.2015
2	Ms. Ligi Jose	Monoclonal antibody based double antibody sandwich ELISA for the detection of Trypanosomaevansi antigen in animals'	Research Scholar	Yet to receive Patent application number

INNOVATIVE IDEA CONTEST

This is an annual contest conducted by the University as part of the celebrations of IPR day.

This idea contest is open for faculty members of all departments, students of all branches of Science, Engineering, Management and PhD students registered at Jain University.

Any idea which can be converted to a new process, a new product, a new software or a new design of products, with potential for innovation can be submitted for the competition. The jury rewards concepts/ideas with prizes covering categories of science, engineering and management.

Jury may also determine any additional ideas as meritable mentions without prizes.

Jain University organised the idea contest during 2013, 2014 and 2015.

INVENTECH 2016

Jain University and JGI Ventures had organized a one-day ideation contest on 8th Oct 2016, at their Global Campus, Kanakapura. The event

attracted more than 200 participants across various cities in Karnataka.

The objective of this contest was to identify ideas that can be incubated and commercialized. It was open to all engineering colleges (both students & faculty). Ideas could be submitted across four innovative themes ideas - (1) Energy & sustainability (2) Agriculture & allied business (3) Nano & Novel materials and (4) IT/IoT.

Provide the following details of ongoing research projects of faculty:

3.2.3

Sl No	Name of the Investigator	Title of the Project	Funding Agency	Budget Rs. (Lakhs)
1	Dr Geetha Balakrishna	Exploitation of Unique Properties of Quantum Dots for Efficient Energy Harvesting in Solar Cells,2011	Ministry of New and Renewable Energy, India	37.16
2	PI: Dr. Padmavathi T Co-I: Dr. Usha M.S.	Studies of interaction of plant growth promoting rhizobacteria (PGPR) and arbuscular mycorrhizal fungi (AMF) on <i>Lycopersicon esculentum</i> and <i>Capsicum annum</i> plants	DST – SERB	30.40
3	Dr B. L. Dhananjaya	Biodiversity Informatics and Technology Exchange for Snakebite Management	EU-FP7	35.28
4	Dr. Varalakshmi KN	Potential of selected microbial pigments as cancer therapeutics: an evaluation on human cancer cell lines	DST SERB	31.28
5	Dr. Sandeep Shastri Dr. Manisha Madhava	Emergence of the states as the Center of Indian Politics: Implications for Indian Federalism	ICSSR	25.00
6	Dr. Manisha Madhava Dr Shailaja Shastri	Quality of Higher Education in India: Defining Parameter, Creating resources and Evolving Models	ICSSR	25.00
7	Dr Bhaskar Dixit	Regulatory Open Pool fire testing of transportation casks for radio-active material	BARC, Mumbai	44.00
8	Dr B. L. Dhananjaya	Proteomic and transcriptomic profile of hemotoxic snakes: Implementation in development of effective, safe and feasible Anti- venom	DST	26.70

SI No	Name of the Investigator	Title of the Project	Funding Agency	Budget Rs. (Lakhs)
9	Dr. Mahesh S Padaki	Preparation and characterization of GO induced thin film, 2014	DST	25.90
10	Dr. Nagaraja BM	Production of hydrogen through the coupling of dehydrogenation of Ethylbenzene and hydrogenation of Nitrobenzene for the synthesis of Styrene and Aniline over different promoters supported on basic oxide catalysts.	DST	25.00
11	Dr. Geetha Balakrishna Dr. Mahesh Padaki	Development of new nanofiltration membranes for desalination and brackish water, 2013	Ministry of Drinking Water & Sanitation, India	22.81
12	Dr. Amit Kumar	The development of novel metal therapeutic compounds	DST	21.00
13	Dr. A. V. Raghu	Effect of electron beam irradiation on polymeric composite membranes for pervaporation separation application	DAE-BRNS	19.05
14	Dr. Geetha Balakrishna	Synthesis and development of fluorimetric/colorimetric probes for the determination of Cu, Fe and Zn in blood serum and cell lines, 2012	Board of Research in Nuclear Sciences	18.66
15	Dr. Raju, Mr. Suresh kumar	Indian Regional Navigational Satellite System (IRNSS)-User Receiver	ISRO	10.00
16	Dr. Meenakshi H. N	Compatibility Pongamia pinnata biodiesel and its diesel blends on Elastomeric Materials	VGST- SMYSR	4.00
17	Dr. Bhaskar Dixit	A solar pump test facility (Amount sanctioned is 1,00,000.00 USD)	UL	63.00
18	Dr. Mahaveer Kurkuri Co-PI: Dr Madhu Prasad	Design and Fabrication of Disposable Devices for Quantitative Detection of Fluoride in Field Studies, 2015	DST	25.90
19	Dr. Geetha Balakrishna Dr. Mahesh Padaki	Preparation of an antifouling membrane by wet chemical methods and its performance study for filtration applications	NRB	15.78
20	Dr. Rajani Jairam, Ms. Geetha Madhusudan, Dr. Pranesh, Dr. Natesh	Translation of Classics – Sanskrit Literature	ABHINAVA	4.00
21	Dr. Ahipa T N	“Luminescent Liquid Crystals for Organo-Electronic Devices”	SERB	19.40
22	Dr. Srinivas Budagumpi	“Palladium(II) and Nickel(II) Complexes of Nitrogen-Functionalized N-heterocyclic Carbenes as C-H activation and/or C-C/C-N coupling catalysts	SERB	25.75

SI No	Name of the Investigator	Title of the Project	Funding Agency	Budget Rs. (Lakhs)
23	Dr. Geetha Balakrishana and Dr. Mahaveer Kurkuri	Application of emerging nanomaterials in health, energy and water”	Ministry of Science and Technology	289.57
24	Dr. Kumudini Belur Satyan	Accumulation of Host Defense Compounds during Induction of Resistance against Ragi Blast Disease	SERB	20.10
25	Dr. Siddappa Patil	Mono, Bis, and Tris 1,2,3 -Triazole - Based Palladium (II)and Nickel(II) N-heterocyclic Carbenes Complexes as C-C/C-N coupling of olefin Polymerization catalysts	SERB	21.48
26	Dr. R.N. Iyengar	Garga-Jyothishya	ICHR	5.00
27	Dr. Rajani Jairam	Varnadharmashrma	ICPR & Santhigiri Research Foundation	3.00
28	Dr. M. Geetha Priya`	On -orbit characterization of space-borne synthetic aperture radar (SAR) performance using ground deployed corner reflectors	Department of Space	12.87
29	Dr. Rajani Jairam	Wisdom Tradition, Cultural Creativity and Social Integration: Exploring the Spiritual Legacy of Karnataka	ICPR & Santhigiri Research Foundation	2.00
30	Dr. K S Kannan	Project on Philosophy of Anand Coomaraswamy	ICPR	2.00
31	Ms. Gayathri K M	Application of IRNSS receiver in GNSS-R reflectometry with specific reference to Ocean, Himalayan ice/snow and land surface.	IRNSS	17.00
32	Mr. Dushyanth N D	Differential Positioning Algorithms based on IRNSS	IRNSS	14.25
33	Ms. Manjula T R	Study and correction of SAR images for ionosphere scintillation effects at L and S band using IRNSS ionosphere data.	IRNSS	13.00
34	Mr. Mohamed Umair Bagali	Real-time / Near real-time display and mapping of IRNSS-Generated data from a rover	IRNSS	1.98
35	Dr. Ahipa T	Luminescent liquid crystals for organo-electronic devices	SERB Young Scientist	5.00
36	Dr. Madhu Prasad	Design and fabrication for reusable devices for the removal of copper, mercury and lead ions from water	SERB Young Scientist	4.28
37	Dr. Krishna Venkatesh	FiST	DST	220.00
Total Outlay 1186.00				

3.2.4

Does the University have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Yes, the University has projects sponsored by industry/corporate houses.

Name of the principal Investigator	Title	Funding Agency	Budget Rs. (Lakhs)
Dr. Sayanu Pamidigantham	Structural Health Monitoring	HAL-EDGEWOOD	3.55
Prof. V Parameswaran	Design and Development of Fixed base Flight Simulator for CESSNA 172 Aircraft	IIAAT	22.00
Dr. Shashi Shankar	KSRTC Bus stand- KMV Projects	KSRTC	0.17
Dr. Shashi Shankar	KSRTC Bus stand- KMV Projects	KSRTC	0.03
Dr. Shashi Shankar	KSRTC Bus stand- KMV Projects	KSRTC	0.02
Dr. Shashi Shankar	KHB Layout – ShriAruna Construction	KSRTC	0.05
Dr. Bhaskar Dixit	Development of Indoor Fire test Facility	UL	50.00
Ms. Smitha Kavatekar	Mahindra (Special Competition) Grant	Mahindra	0.40
Ms. Smitha Kavatekar	KPMG Business Ethics Grant (2010)	KPMG	1.00
Ms. Smitha Kavatekar	Seed Money Grant (2010)	KPMG	0.40
Dr. C.B.Mohan Dr. K. Venkatesh Dr. K. Gopalkrishna	Development of Linear Reciprocating Tribometer	MAGNUM	30.00
Dr. K.Venkatesh Co-Investigators Dr. S.Ramammurthy Dr. K.Gopalkrishna Dr. K.Ramamnarasimha Dr. C.B.Mohan Prof. K.G.L.Bhat	Establishment of Energy Facility and Performance Behavior of PV Panels (MOU) 2009 (Energy Field Lab/Park)	TUV	110.00
Total			217.62

How many departments of the University have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

3.2.5

Departments / Centers	Funding Agency
Biotechnology & Genetics	DST SERB NP-MICAV (DRDO) VGST
Biochemistry	VGST-DST,GOK VGST-SPIICE
Microbiology	DST – SERB
Physics	VGST
Psychology	ICSSR
Performing arts & Cultural Studies	ICSSR ICHR
Center for Disaster Mitigation	Department of Science and Technology
Fire and Combustion Research Center	UL , BARC, Mumbai, IISc
Center for Research in Social Science & Education	ICSSR, GOK, FKCCI, TFD, Forum of Federation
Center for Emerging Technologies	DST , KSCST, DRDO- NRB, DBT, MOFPI, VGST- SMYSR, DAE-BRNS, ,EU-FP7, DOS – ISRO, DRDO-NRB, SERB-DST, NPMICAV, MNRE, STEP, HAL-EDGEWOOD, MAGNUM TUV
Center for Nano and Material Sciences	DST, BRNS
Electronics & Communication Engineering	ISRO
Aerospace	AR & DB, IIAAT
Information Science & Engineering	KSCST
Mechanical Engineering	VGST
Electrical & Electronics Engineering	BRNS-DAE
Civil Engineering	CSIR

3.2.6

List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

Research Projects Completed

Sl. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Budget Rs. (in Lakhs)
1	Dr. Kathyayini H	Development of Supercapacitors for MiCAV applications using Nano materials	DRDO-DST NPMICAV	39.09
2	Dr. Ravikumar K	Development of Nano-Bio Sensor for the ammonia detection for use in Micro-Aerial Vehicle	DRDO-DST NPMICAV	37.72
3	Dr. Krishna Venkatesh	Development of low cost reusable MiCAV	DRDO-DST	29.32
4	Dr. Geetha Balakrishna	"Property tailoring in Titania through the integration of Nitrogen and Fluorine for a feasible water Disinfection Process"	DST	21.25
5	Dr. Krishna Venkatesh	Feasibility studies on development of surface integrity and strength characteristics of rapid prototyped components to enable their direct application in design and development activities of pay load for space craft	DOS – ISRO	20.73
6	Dr. Choodamani Nandagopal	Symbolism of Sacred space in early Dravidian architecture-2013	ICHR	2.21
7	Dr. Sudha Deshmukh	Establishing a facility for – A Bioenergy laboratory	VGST KFIST	20.00
8	Dr. Vani R	Studies on Oxidative stress in erythrocytes isolated from different blood groups stored under blood bank conditions	VGST (SMYSR)	5.00
9	Mr. Mathews P. Raj	Analysis of the effect of polluted water/ water body (Iglur lake, Bangalore) on the biotic component	[VGST – SPICE]	0.30
10	Dr. Sunil S. More	Screening, Isolation & Purification of an insect-selective sodium channel inhibiting toxin from Indian Scorpion venoms: a potential Biopesticide	VGST-DST,GOK	5.00
11	Dr. Swati Routh	Life Information Score: Exploring the probability of life and its complexities in Exoplanets: A Novel Computing Model	(VGST) - Karnataka	4.00

Sl. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Budget Rs. (in Lakhs)
12	Mr.Ravishankara Manasvi	Cytogenetic bio-monitoring of chemical laboratory workers occupationally exposed to toxic chemicals.	VGST-SPICE	0.30
13	Mr. Ravishankara	In-vitro antimicrobial activity of Syzygiumcumini leaf gall extract against human pathogenic strain	VGST-SPICE	0.30
14	Dr. Priya L	Synthesis & Characterization of polymer compounds.	VGST – Karnataka	0.30
15	Dr. Priya L	Characterization of polysterene ZnS doped in Mn ²⁺ nanoparticles composites	VGST – Karnataka	4.00
16	Dr. Dinesh Kumar	Preparation and characterization of the Pt/TiO ₂ /Silicon MOS capacitor for sensor application	VGST – Karnataka	0.30
17	Mr. Malatesh S Akkur	Microcontroller Based Green House Monitoring System	VGST – Karnataka	0.30
18	Dr. Rama Narasimha	M/s Avasarala Technologies Ltd. as consultant in a project on development of sodium heat pipes for nuclear applications	M/s Avasarala Technologies Ltd.	10.00
19	Dr. Rama Narasimha	Wipro Technologies Ltd. as Develop fluid mechanics faculty guide under MISSION 10X program	Wipro	0.25
20	Dr. Vijayakumar	Optimization of Machinability Parameters	VTU	2.75
21	Prof. P S Raghavendra Rao	Motor Operated Self-rechargeable Electric Vehicle	VGST	0.40
22	Dr. Choodamani Nandagopal	Manasollasa -2012	Karnataka Sanskrit University	0.20
23	Dr. Manjunatha	Grama Charita Kosha	Janapada Vishwa vidyalaya, Haveri	0.60
24	Dr. Rajani Jairam, Dr. Pranesh, Dr. Natesh	Contributed to the project on Translations of Bharata's Natyashastra	Karnataka Nataka Academy	0.05
25	Dr. Rajani Jairam	Stotra Literature for everyday life	Private publisher	0.00
26	Dr. Krishna Venkatesh	Development of post processing infrastructure for RP ABS component plating for surface integrity enhancement	DRDO	46.64
27	Mr. Kishore K	Development of engine life usage monitoring system	DRDO	9.75

Sl. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Budget Rs. (in Lakhs)
28	Dr. Sayanu Pamidigantham	Surface micromachined distributed delay line switched delay line and tapered spiral antenna on RF friendly substrates like Quartz, Glass and Alumina	STEP	12 .00
29	Dr. Sayanu Pamidigantham	Novel contact and non contact based liquid sensing using MEMS technology	ISRO	5.37
30	Dr. Sandeep Shastri	State of Democracy in South Asia- II (SDSAII)	TFD	2.00
31	Dr. Sandeep Shastri	India Component of the World Values Survey	World Values Survey	5.00
32	Dr. Sandeep Shastri	Globalbarometer Study	Taiwan Foundation for Democracy	2.00
33	Ms. Madhu Palati Dr. G R Nagabhushan	Modeling and system improvement for a fast rise time Marx Generator.	BRNS-DAE	15.60
34	Dr. Sandeep Shastri	Global dialogue on Political Parties	Forum of Federations	20.00
35	Dr. Bhaskar Dixit	Demonstration and Implementation of new biomass burning device	IISc	10.00
36	Dr. Nagaraj Sitaram	Hydraulic Performance of Commercial Water Saving Devices and Suggestions for Its Performance Improvement in Water Conservation	CSIR	5.24
37	Dr. S. Sundararajan	Amarakosa – A Biological Assessment	INSA	2.90
38	Mr. Narendra Reddy Mr. Naganand G. N Geetha Ms. Priya M Ms. Meenakshi H. N Mr. Anantha Prasad	Identifying Unique Properties of Proteins in non-edible oil meals.	KSCST	1.00 completed
39	Dr. Meenakshi. H. N Dr. Anantha Prasad	Production of Fatty Acid Methyl Ester from non-edible Oilseeds using different techniques- A comparison	KSCST	0 .75
40	Dr. Kathyayini H	Studies on Transition Metal-Oxides Anchored to Multiwall Carbon Nanotubes as Hybrid Supercapacitors	DRDO	24.89
41	Dr. K. Gopala Krishna	Design and Development of an Autonomous Amphibian Vehicle for Harbor Security Operations	DRDO-NRB	24.23

Sl. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Budget Rs. (in Lakhs)
42	Dr. Ravikumar K	Theraupeutic enzymes from microbial sources:Production improvement and studies on their human serum albumin nanocomplexes.	SERB-DST	22.70
43	Dr. Manisha Madhava	Social base of state parties :A Study of their legistlative performance in the fourteenth LokSabha	ICSSR	3.89
44	Dr. Narendra Reddy	Developing High Value Biop46olymeric Materials for the Food, Fiber, Biofuel, Composites, Medical and Automative Industries Using Indigenous Renewable Resources	DBT	88.00
45	Dr. K. Ramanarasimha	Design and development of a Robotic Fish	DRDO- NRB	49.15
46	Dr. C. B. Mohan	Design and Development of a transitioning VTOL MICAV	DRDO	46.70
47	Dr. K. G. L Bhat PI- Dr. Sudha Deshmukh Co-PI Dr. Aranganathan	Development of Bio-Fuel Cell test bed and prototype for MiCAV applications	DRDO-DST NPMICAV	37.26
48	Dr. Kathyayini H	Development of CNT and mesoporous carbon supported catalysts for the synthesis of fine chemicals via amidation & hydrogenation reactions	DST	26.34
49	Dr. Choodamani Nandagopal	Changing Dynamics of the Suburbs in the process of Urban Transformation with reference to the changing Socio-Economic Scenario of Bangalore City' -2013	ICSSR	25.00
50	Dr. Ashok Kumar	Structural Damage Mitigation	AR&DB	8.50
51	Dr. Ravikumar K	Establishment of food technology programme	MOFPI	75.00
52	Mr. K. G. Basavakumar	Evaluation and Optimization of Machinability and Surface Characteristics of Al- Si- Cu Alloys for Naval Applications	DRDO- NRB	21.60
53	Dr. M.S. Santhosh	Exploring the Dynamics of Pancreatic Peptide- Membrane Interactions through Nano- Scale Imaging: Implications on type II Diabetes mellitus	DST	19.18
54	Dr. Narendra Reddy	Developing Inexpensive, disposable and biodegradable food container using agricultural wastes	MOFPI	15.09

Sl. No.	Name of the Principal Investigator	Title of the Project	Funding Agency	Budget Rs. (in Lakhs)
55	Dr. Narendra Reddy	Developing a Biodegradable and Inexpensive Mask for Filtering Particulate Matter in the Environment	VGST- SMYSR	4.00
56	Dr. M.G. Anthaprasad	Design and Fabrication of Automatic Banana Peeling and Slicing Machine	KSCST	0.08
57	Mr. K. Rama Narasimha	Experimental Investigations on Multi Turn Oscillating Heat Pipe	KSCST	0.07
58	Mr. Umesh P	The Smart translator for Old Kannada	KSCST	0.05
59	Dr. Madhuprasad Kigga	Design and fabrication of reusable devices for the removal of copper, mercury and lead ions from water	SERB	18.48 completed
60.	Mr. Nayaz Ahmed	Establishment of a Technology Business Incubation at Jain University called the Jain University Incubation Centre	TBIDB	491.20
Total Outlay				1344.03

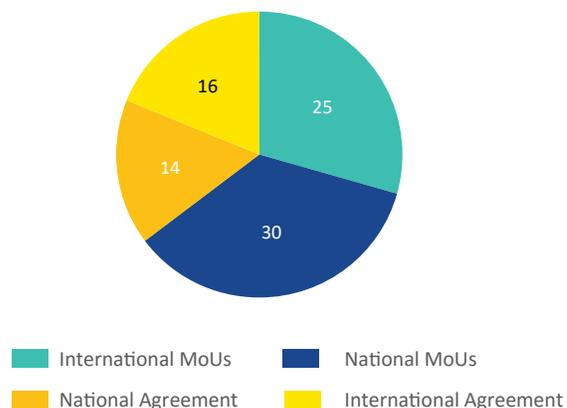
b. Inter-institutional collaborative projects and grants received

i) All India collaboration ii) International

Response is given in 3.2.4

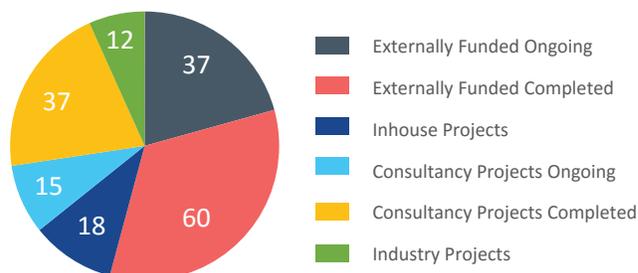
PARTICULARS	No's
International MoUs	25
National MoUs	30
International Agreement	14
National Agreement	16
TOTAL	85

Figure - MoUs signed for national and international collaborations till date



PROJECTS	No's
Externally Funded Ongoing	37
Externally Funded Completed	60
Inhouse Projects	18
Consultancy Projects Ongoing	15
Consultancy Projects Completed	37
Industry Projects	12

Figure - Research Projects



RESEARCH FACILITIES

3.3

What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

3.3.1

All the constituent units have state-of-the-art research facilities. These facilities are open to use by all the students and faculty members. Some of the initiatives taken to further improve the research infrastructure are:

- Online infrastructure has been upgraded to provide 24/7 Wi-Fi connectivity on campuses. Separate computer labs ensure access to online resources. Adequate e-journals and other online resources are at the disposal of the research scholars and faculty pursuing research and all the departments have been provided computing facilities.
- The dedicated Research Centres such as the Center for Emerging Technologies and Center for Disaster Mitigation have separate cabins for faculty with computers and Internet facilities
- Some of the centres also have software packages like SPSS and Microsoft Suite for data analysis.
- The School of Engineering and Technology has specialised equipment, software and other facilities in accordance with the streams being offered.
- The Library and Information Centres are equipped with latest books, national and international print journals and e-journals.
- The University has entered into collaborations of national and international significance such as IISc, RRI, NAL and CSIR that have extended their facilities to the University.
- Laboratories of the Postgraduate departments are equipped with most modern and advanced equipment to suit additional academic and research needs of the MSc, MPhil and Ph.D students. The Undergraduate labs have also been equipped to carry out minor research projects. Other Strategies adopted to facilitate research include:
 - Thinklet- E- Journal of research activities being pursued at the University
 - Inter -library loan facility
 - Wi-Fi, Internet and computing facilities
 - Facilities to visit the dedicated research centres to make use of available facilities and sophisticated research equipment

	<ul style="list-style-type: none"> - Initiative to establish a nodal research centre - The process of creating a shared research facility at the Fire and Combustion Research Centre is already on way.
<p>3.3.2</p>	<p>Does the University have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.</p> <p>Yes.</p> <p>All the Schools have well equipped information resource centres, to meet the needs of researchers. Detailed Response is already given in 4.2.3</p>
<p>3.3.3</p>	<p>Does the University have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?</p> <p>The University has initiated the process to establish a University Science Instrumentation Centre (USIC).</p>
<p>3.3.4</p>	<p>Does the University provide residential facilities (with computer and Internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?</p> <p>The University currently has a few dwelling units for research scholars to stay on campus and pursue their research work outside the institutional working hours for a stipulated time period. The visiting scientists and professors are accorded facilities at the School of Engineering and Technology.</p>
<p>3.3.5</p>	<p>Does the University have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?</p> <p>Yes. The University has designated Centres of research to address the special challenges of the research programmes. These are as follows:</p>

Center for Nano and Material Science (CNMS)

CNMS is dedicated to pursuing cutting edge research in the areas of Nanotechnology and Material sciences. The Center has a carefully chosen mix of experienced academicians and staff esteemed in their fields, together with young researchers who are eager to establish their positions in the academic world as leading scientists. CNMS's equipment center provides scientific support as well as measurement services. The thrust areas of research are:

- Energy
 - o Quantum Dot Solar Cells
 - o Organic Solar Cell
 - o Catalysis for Hydrogen Generation and Petroleum Products
- Water
 - o Aqueous – Chemical Sensors
 - o Water Remediation
 - o Membrane Science for Water and Gas Separation
- Health
 - o Micro Fluidic Devices
 - o NHC –Anchored Transition Metal Complexes
 - o Design of Molecules for Therapeutic Uses

Centre for Disaster Mitigation (CDM)

The Centre for Disaster Mitigation (CDM) is involved in research, development and education in the field of Disaster Mitigation.

The objective of the Centre is to find innovative solutions for issues related to natural and man-made hazards. CDM carries out research, teaching, testing and consultancy in the areas of earthquakes, floods, droughts, and industrial waste utilization. The Centre is committed to develop a group of well-trained manpower, catering to the ever increasing needs of the country in the field of disaster mitigation.

CDM has collaborations with IISc., Combustion, Gasification and Propulsion Laboratory (CGPL), DST., Govt, of Karnataka among others to pursue research and development.

Fire and Combustion Research Centre (FCRC)

Conducting research and development in innovative areas has been a major objective of the Jain University. Fire safety and related combustion studies are in a state of infancy in India and promotion of R & D activities in this area will be in line with the objectives of the University. Towards this, a collaborative arrangement between UL India with The JGI Group already exists under which a state of the art testing laboratory, called Underwriters Laboratories – Jain Fire Lab (ULJFL) has been created at the Global Campus. ULJFL is in continuous live interaction with major players in global fire safety industry. This arrangement provides an excellent opportunity to develop a focused research group working in the area of fire and combustion research. ULJFL interactions are being capitalized on to create a research environment where frontier R & D issues of fire industry can be analyzed to frame research questions

of significance to the Indian context. It has also provided the University with a global visibility.

Centre for Research in Aerospace Engineering and Management (CRAEM)

CRAEM is a part of IIAEM, a collaborative venture between Jain University and Society of Indian Aerospace Technologies & Industries, (SIATI) with support from academic institutions, R&D laboratories and Industrial organizations – like ISRO, HAL, AAI, NAL, Air India, BIAL, CIAL and many others. Besides involving itself in cutting edge research, the Centre is engaged in generating a pool of technical manpower skilled in Aircraft Design, Avionics, Aircraft Maintenance Engineering, Airport Infrastructure & Management propulsion, flight safety, structural health monitoring at the under graduate, postgraduate and research levels. The curriculum has been vetted by experts from industry and academia.

Center for Emerging Technologies (CET)

Center for Emerging Technologies has been established under the aegis of Industry – Academia interaction and is a hub for promoting new technologies and undertaking Research and Consultancy in various domains of engineering. Towards this, a symbiotic relationship has been built with a number of companies, organisations and institutions alike wherein the academic community gets to work and be trained on the state-of-the-art

technologies addressing industry verticals. The major areas of focus include energy, autonomous systems, rapid prototyping and material sciences. The Centre has been established taking into account the requirements of the coming decade.

Charter of CET

- Research, Development and Consultancy
- Transnational cooperation, programmes and projects
- Industrial interfacing and interactions
- Development of multidisciplinary technologies
- Organising and conducting workshops/seminars/conferences
- Development of new products
- Raising public and industrial awareness about the importance of specific technology towards sustainable growth of the industrial Indian society
- Developing strategies, using market studies, SWOT analyses, Life Cycle Analysis, etc., towards a sustainable economic growth using innovative technologies
- Promotion of new materials and technologies
- Offering an integrated, powerful tool to the company of tomorrow, capable of identifying the problem or technological opportunity, select and test suitable solutions and develop new technologies,

and guide the client during the implementation of new technologies

- Provide a platform for rural area development through upgraded technology
- Employment generation
- To act as a nodal centre for supporting SMEs

Center for Research in Social Science and Education (CERSSE)

The Centre for Research in Social Sciences and Education (CERSSE) was established by Jain University to promote research in select areas of Social Science and Education. The Center has collaborated with International institutions of repute such as University of California, Berkeley, Forum of Federations, Canada, and International Association of Centres for Federal studies (IACFS), Forum of Federation, Sudan, and Konard Adenauer Foundation. The Center has also collaborated with WIPRO Technologies, Government of Karnataka, ICSSR, Government of India, CNN-IBN and World Value Surveys for its research activities.

CERSSE offers training programmes and workshops in the fields of Public Governance, Administration, Political Science, Teaching-Learning Process, Leadership Training, Communication, Interpersonal Skills and many more.

Research Areas : Election Studies, Federalism, Indian Politics, Comparative Democracy, Survey Based Research, Adolescent Psychology, Counselling, Training, Legislative Studies, Indian Politics,

Democracy Studies, Election Studies, Indian Politics, Education, Political Institutions, Governance & Public Policy, Higher Education and Teaching Pedagogy, Karnataka Youth Policy.

Centre for Ancient History and Culture (CAHC)

The Centre for Ancient History and Culture was established in 2011 after a brainstorming session involving reputed Sanskrit scholars, historians, artists, scientists, educationists and others. Generally Indian history is treated as chronicling political history without insights into cultural, social and scientific aspects. Ancient Indian history is still depicted from a Euro-centric view point. There is need to present ancient history to future generations in a dispassionate and objective fashion avoiding extremities of ideologies. Modern education system should be able to connect with intellectual traditions originating in ancient India. In tune with its mandate, CAHC has organized several outreach activities in the last three years.

Notable among these are “National level workshop on manuscriptology, and palaeography” (November 2012); “International Seminar on the Future of Civilization” (December 2012) and “A three day seminar on intellectual traditions of ancient India (August 2015). “Parasharatantra” an ancient Sanskrit text on astronomy and natural sciences has been brought out with text, translation and technical notes. Work is currently in progress on bringing out a monograph on astronomical concepts in the Puranas.

Chenraj Roychand Centre for Entrepreneurship (CRCE)

Chenraj Roychand Centre for Entrepreneurship (CRCE) is the entrepreneurial wing of Jain University. CRCE is engaged in training students and aspiring entrepreneurs in establishing their own enterprise from the initial stages to incubating the companies. The Center also offers programmes aimed at entrepreneurial capacity building. All the activities of the Center are supported by

robust research and analysis being conducted by capable academicians, researchers, market experts and practitioners of management.

Besides the research centres, all the Postgraduate departments are not only involved in PG teaching but are also actively involved in guiding M.Phil/Ph.D. programmes, publishing research papers and working on funded research projects.

3.3.6

Does the University have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

- ➔ The Center for Emerging Technologies has set up a “Coating Facility” which is a national facility. This facility is used by Indian Space research Organisation (ISRO). The Center for Disaster Mitigation has set up the Fire Lab Facility. These facilities are made use of by Indian Oil Commission and Wayamba University of Srilanka, to name a few.
- ➔ The Centre for Research in Social Sciences and Education (CERSSE)

has been a nodal research centre for several projects of the Government of Karnataka, including the State Youth Policy and for the State Knowledge Commission for its Youth Survey. It has also been the resource center for preparation of research materials for projects of the Forum of Federations implemented in South Sudan, Ethiopia and Myanmar.

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1

Does the University publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Yes, the University publishes a research journal titled *Pariprashna* with ISSN No – 0976-7150. This is a refereed journal registered with the Registrar of Publications.

Editorial Board

- | | |
|--|--|
| <ul style="list-style-type: none"> • Prof. N Sundararajan, Vice Chancellor, Jain University, Bangalore • Prof. Sandeep Shastri, Pro Vice Chancellor, Jain University, Bangalore • Prof. Jayagopal Uchil, Director, Academic & Planning, Jain University, Bangalore • Prof. M C Radhakrishna, Dept. Of Physics, Bangalore University, | <p>Bangalore</p> <ul style="list-style-type: none"> • Prof. S B Sullia(Retd.) Dept. of Biotechnology, Bangalore University, Bangalore • Prof. G.S.D Babu, MP Birla Institute of Fundamental Research, Bangalore • Prof. H S Venkatesh Murthy (Retd.) Dept. of Kannada, St. Joseph's College, Bangalore • Prof. N V H Krishnan, Registrar, Jain University, Bangalore |
|--|--|

Give details of publications by the faculty:

3.4.2

Total Number of Publications- **2860**

Number of Publications	2860
Number of Papers in Scopus, Thomson Reuters, PubMed, SCI, Wiley & others	1488
Highest Impact Factor Research Publication indexed in Scopus Mahaveer Kurkuri et.al., Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport. Advanced Materials, (Wiley) 2015	18.96
Cumulative Journal Impact Factor	1439.12
Number of papers with more than 10 citations	292

3.4.3

Give details of
* faculty serving on the editorial boards of national and international journals

Department	Name of the Faculty	Journal
Biotechnology	Dr. Kumudini Belur Satyan	Journal of Environmental Biology Reviewer of papers in international journals (IF: 1-5)
		Reviewer of International Journal of Biological Macromolecules (IF: 1.8)
	Dr. K.N. Varalakshmi	Guest Editor, Turkish Journal of Biology (2014)
		Reviewer of Pharmaceutical Biology (IF: 1.33)
	Dr. Mala Majumdar	Reviewer of papers in international journals (Impact factor 1-5)
	Dr. Mala Majumdar	Reviewer Process Biochemistry (IF: 2.52)
		Reviewer Natural Product Research (IF:1.057)
Reviewer : Applied Bioche and Biotech, Journal of Basic Microbiology, Journal of Ethnopharmacology		
English	Dr. Prakrithi	Member of Contemporary Poets and their Works-USA
	Dr. Yoganada Rao	Editorial Board National journal QUEST
Center for Research in Social Science and Education	Dr. Sandeep Shastri	Editor of proceedings on fifth International Conference on Federalism
		Member of editorial board MP Journal of Social Sciences
		Studies in Indian Politics, Sage Publications
		`Governance` Journal of the Structure and Organization of Government, Research committee of international political science association.
Civil Engineering	Dr. Y R Nagaraja	Editorial Board of Built Expressions
		Editorial Board of Built Expressions
		Scientific Committee Member & Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru(SWWEM-2016)
	Mr. Abhilash R	Editorial board of Elsevier
	Mr. B N Skanda Kumar	Editorial board of Elsevier
		Organizing Member / Editorial board of Elsevier , International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016,Bengaluru (SWWEM-2016)

Department	Name of the Faculty	Journal
Civil Engineering	Dr. Prashanth J	Editorial board of Elsevier
		Administrative Committee Member/ Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru(SWWEM-2016)
	Dr. Harish N	Editorial board of Elsevier
		Organizing Member/ Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru(SWWEM-2016)
	Mr. Chandregowda C	Editorial board of Elsevier
		Organizing Member/ Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru (SWWEM-2016)
Dr. Shashishankar A	Organizing Secretary & Chief editor Elsevier Publication for International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru(SWWEM-2016)	
Mr. Abhilash R	Organizing Member / Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru (SWWEM-2016)	
Physics	Dr. Asha Rajiv	Member of BoE- NMKRV Autonomous college
	Dr. N. Shanthi	Member of BoS- Indian Academy Degree College, Autonomous
	Mr. Malathesh Akkur	<ul style="list-style-type: none"> • Member of BoE -NMKRV National Degree College Bangalore University Christu Jayanti College • Member of BoS, St. Joseph's Degree Autonomous College
Mathematics	Dr. Yogesh Kumar K	Reviewer of Journal of Geology & Geosciences
		Reviewer of Journal of Environmental Chemical Engineering
		Reviewer of Powder Technology, Elsevier
		Reviewer of Journal of Hazardous materials, Elsevier
		Reviewer of Korean Journal of Chemical Engineering
		Reviewer of International Journal of Physical Sciences
	Dr. Arathi Sudarshan	Advisor – Asian Journal for Social Science and Humanities, Japan

Department	Name of the Faculty	Journal
Basic Sciences	Dr. A. V. Raghu	International Scholarly Research Network (ISRN) Nanotechnology
		Journal of Polymer Science
		American Journal of Nanoscience and Nanotechnology
		Editorial member of American Journal of Nano Science and Nanotechnology
		Editorial member of Biomaterials Advances,
		Editorial member of Bulletin of Trends in Chemical Sciences
Basic Sciences	Dr. A. V. Raghu	Editorial member of The Open Access Journal of Science & Technology,
		American Journal of Applied Chemistry
Center for Nano and Material Science	Dr. Mahaveer	International Journal of Materials Science and Applications
	Dr. Siddappa	Editorial board members of peer reviewed Journals:
	Dr. Geetha Balakrishna	Advisory Board member, Nanotechnology curriculum, NMKRV
Center for Emerging Technology	Dr. B.L. Dhananjaya	Managing Editor for the Journal "Frontiers in Bioscience (Landmark Edition)" on the Special Thematic Issue "Toxins to drugs", Frontiers in Bioscience Publishers, USA.
		Guest editor for the Journal "Current Topics in Medicinal Chemistry (CTMC)" on the Special Thematic Issue "Secretary Phospholipase Inhibitors", Bentham Science Publishers Ltd. USA
		Guest Editorial for the Journal Medicinal Chemistry (MC) on special thematic issue 'Medicinal chemistry and therapeutical potential of snake venom toxin inhibitors', Bentham Publishers, USA
		Editorial member and Guest editor for the Journal "International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS)" on the Special Thematic Issue "Drugs from Nature: plants as an important source of pharmaceutically important metabolites", Innovare Academic Publishers
		Distinguished Editor for Journal of Venom Research (JVR) (ISI & SCI Index –Pubmed, Pubmed Central).Library Publishing Media Ltd, Oxford, UK
		Editor of Toxicology for Journal of Negative Results (JnegRes). (Index – Pubmed, Pubmed central, Medline, Scopus, Elsevier,Index Copernicus, CAS).
		Editorial Board Member for Journal of Research in Pharmaceutical Science (JRPS). (Index – Chemical Abstracts (CAS), EMBASE). Quest Journals
		Editorial Board Member for International Journal of Engineering and Advanced Technology (IJEAT)

Department	Name of the Faculty	Journal
Sanskrit	Dr. Rajani Jairam	Editor and reviewer for all research papers on Philosophy and Sanskrit Literature, Research Revolution
		Advisory board member for International conference in Fo-guang University Taiwan.
		Advisory board member National Conference Karnataka Sanskrit University
		Editor, International Journal of Communication, Languages and Literature
Sanskrit	Dr. Rajani Jairam	Editor, Siddharudha International Journal
		Honorary Member, ADTEL
		Peer Reviewer – Learning, Research and Practice, NIE, Singapore
Kannada	Dr. Manjunatha	Dasa Vaibhava – A collection of Article on Dasa Sahithya Co-Editor, Published by Aisiri Prakashana, Bangalore – 2013
		Vachana Vaividya – A collection of Article on Vachana Sahithya Co-Editor, Published by Aisiri Prakashana, Bangalore – 2013
		Neladani (Dr. Narahalli Abhinandana Grantha), Editorial Committee, Published by Aisiri Prakashana, Bangalore – 2013
		Jaanapadada Antharala Co-Editor – Published by Devi Prakashana, Bangalore – 2013
Psychology	Dr. Gnanaprakash	Peer Review Member - Primax International Journal of Commerce and Management Research
Electrical and Electronics Engineering	Dr. G R Nagabhushan	Fellow, Indian National Academy of Engineering (FNAE)
		Past Member, Institute of Electrical & Electronics Engineers, USA
		Continuing Member, International Advisory Committee
		Member, Eta Kappa Nu, USA
Physics	Dr. S. Rajagopal	Journal of Alloys and Compounds
		Chemical Engineering Journal
		ACS Applied Materials and Interfaces
		Applied Surface Science
	Dr. Swati Routh	Journal of International Physics
Forensic Science	Mr. Anup K	Appointed as Editorial member in “Global Journal of Multidisciplinary Studies” Jabalpur, Madhya Pradesh, for the period of three years with effect from 26th October 2016
Economics	Dr. Xavier V K	Guest Editor

Department	Name of the Faculty	Journal
Hindi	Dr. Mythili P Rao	Guest editor – Pariprashna – Research Journal Special issue on Humanities and Social Sciences
		External Expert of Textbook Review Committee for Pre-University Hindi Textbooks
		Advisory Board of Asian Journal of Natural & Applied Sciences
		Advisor – Asian Journal for Social Science and Humanities, Japan
		Life Member – Comparative literature association of India
		Member – International Comparative Literature Association
Hindi	Dr. Mythili P Rao	Member – Modern Language Association – Chicago – 2013 – 2014
		International Journal of Modern Social Sciences – Paper reviewer
Computer Science and Engineering	Mrs. Meenakshi Malhotra	Reviewer for Springer Conference 2016
Management	Dr. Harold Andrew Patrick	Editorial Member of Adarsh Journal of Management Research, Bangalore. ISSN 0974-7028

* faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

Department	Name of the Faculty	Committee
Computer Science and Information Technology	Mr. Dinesh Damodaran	Chairman, Digitalisation of Fine Arts Colleges (DAC), ABAI. A project promoted by the government of Karnataka to implement the introduce of Digital tools for Fine Arts Colleges across Karnataka as per the AVGC policy.
	Dr. V. Achutha	BoE in SIT (Autonomous) &MSRIT (Autonomous)-VTU
	Dr. Suchithra	BoE , in Reva University
International Institute of Aerospace Engineering Management	Prof. K R SridharaMurthi	Vice President of International Institute of Space Law Co-chair for international study group on space governance setup by the International Academy of Astronautics Contributing to a chapter on “Extendingthe Benefits and Uses of Space to all Humankind” in the book project on Global Space Governance, sponsored by McGill University, Canada
Managment	Dr. Raghu G Anand	Member , Chartered Institute of Securities and Investment, London UK
	Dr. Mithileshwar Jha	Member of Working Group of Planning Commission for Developing the Eighth Plan Strategy for Public Distribution System in the country (198889).

Department	Name of the Faculty	Committee
Management	Dr. Mithileshwar Jha	Member of Working Group of Planning Commission for Developing the Eighth Plan Strategy for Public Distribution System in the country (1988-89).
		Member Secretary, Working Group on Management Education in U.P. (1988-90).
		Member, Management Programme Advisory Committee, U.P. Council for Technical Education, U.P. (1989-91).
		Member, Fee Fixation Committees for Technical Institutions, Medical Institutions and Professional Education, (2004-2005).
		Board Memberships:- Gandhi Peace Centre, Delhi (1999-2001), PSU Foundation, Lucknow (1992 –2012), Karnataka Soaps and Detergents Ltd., Bangalore (2000–Till date). FAIR (2002 – till date), IIM, Bangalore (2002 – 2003), IIM, Lucknow (2003- 2005)
Hindi	Dr. Arvind Kumar	Life Member Dakshin Bharat Hindi Prachar Sabha Executive committee – JNANAKIRAN Bangalore University Hindi Teachers’ Association
	Dr. Mythili P. Rao	Secretary – SHABD literary organization – 2012 – 2013
	Dr. S Rama Murthy	Scientific Advisor to Controller General of Patents, India
Electronics and Communication Engineering	Dr. Raju	Co-Chair for IEEE remote sensing society Bangalore chapter
Civil Engineering	Dr. M R Pranesh	Peer committee chairman for NAAC
		Honorary Technical Advisor and adjunct faculty, Engineering Staff College of India (ESCI) Hyderabad.
		Vice Chairman, Indian Technical Congress (IEI), NIMHANS, July 23-24, 2015
		Vice Chairman, International Conference on Rural water development, Feb 2016, Mysore
		Organizing secretary, Role of accreditation in Engineering education(IEI), Nov. 2015
		Chairman International Conference on Energy Environment, Eco-Friendly Buildings ICEEEB
		Scientific Committee Member & Editorial board of Elsevier, International Conference and Exhibition On Sustainable Water Wastewater and Energy Management 7-9 Jan 2016, Bengaluru(SWWEM-2016)
	Dr. Y R Nagaraja	Member International Conference on Energy Environment, Eco-Friendly Buildings ICEEEB

Department	Name of the Faculty	Committee
Sanskrit	Dr. RajaniJairam	Life Member, GRDS
		Inter-Disciplinary BoS – for D.Litt. of Tumkur University.
		Expert panel W2W connect NGO for Women
		NAAC Peer team member
		Member, BoE, NMKRV College
		Member, BoE PG Studies, Svyasa Yoga University
Sanskrit	Dr. Geetha Madhusudan	Member, BoS, Christ University
Mathematics	Dr. Arathi Sudarshan	Member of BoS, Karnataka Open University
		Member of BoE, NMKRV autonomous college.
Electrical and Electronics Engineering	Dr. G R Nagabhusan:	Chairman, International Symposium on High Voltage Engineering
		Life Member, Instrument Society of India, Indian Vacuum Society, EMC Engineers Society, India
Biotechnology	Dr. Varalakshmi KN	Recognized PhD examiner for Mumbai University, Mumbai
		Recognized Ph.D. guide for Periyar University, Tamil Nadu.
	Dr. R Shanthi Iyer	Chairperson BoE of Genetics (UG) for Bangalore University
		External board member BoS, Bangalore University
	Dr. Ramesh K. V	Resource person (Bioinformatics) at UAS, Bangalore
		Member, BoS, Sikkim Manipal University
Commerce	Mr. T R Ramakrishna	Member- United Nations Voluntary Association, USA
		Member- Member- Asian media information and Communication Center, Singapore
		Member- International Association for Media and Communication Research, USA
		Member- Public Recognition Council of India (PRCI), Bangalore
Center for Nano and Material Science	Dr. Geetha Balakrishna	Expert on nanotechnology for curriculum design by UGC, Srilanka
	Dr.Asha Rajiv	Member of BoS, Karnataka Open University
	Dr. N. Shanthi	Member of BoE, NMKRV autonomous college
English	Dr. Mekhala	Member of BoS, Indian Academy Degree College, Autonomous
Chemistry & Biochemistry	Dr. Veena V Nagraj	President of K S Narasimhaswamy Prathistana
	Dr. Bindhu O S	BoE for autonomous NMKRV college
	Dr. Aranganathan	BoE of Dhavengere University and MLACW, Bangalore
		BoE of Dayanand Sagar University and Kristhu Jayanthi College and Periyar University

Provide details of Research incentives given by the University

The University has a healthy practice of awarding incentives in form of certificates, citations and mementos to the faculty members who have excelled in research activities. This is

held biannually. So far, 463 faculties have been felicitated. Also 166, faculty members have received awards from other agencies for excellence in research.

3.4.4

Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the University participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

Yes.

The University has uploaded the Ph.D. theses with INFLIBNET for electronic dissemination. There are **126** guides for Ph.D and M.Phil programmes. As on date **120** Ph.D degrees and **147** M.Phil degrees have been awarded.

3.4.5

What is the official policy of the University to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The research scholars are instructed on the zero-tolerance policy of the University towards plagiarism at the time of enrolment. The progress of the research work is constantly monitored by the guides and the half yearly reports are submitted to the University through the guides. It is mandatory for the scholars have to evaluate their thesis by using the software

'ITHENTICATE' and the report is to be sent to the University before the submission of the thesis. As per the policies of the University, the thesis is accepted for submission only if the similarity index is less than 20 per cent. If not, then the scholar is advised to rework on the thesis accordingly.

3.4.6

3.4.7

Does the University promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes. The University promotes innovative and interdisciplinary research.

Response given in 3.1.4

3.4.8

Has the University instituted any research awards? If yes, list the awards.

Yes, the University has recognized the faculty by giving cash awards and certificates for publishing articles in international and national journals.

Response in 3.4.4.

The University has also instituted gold medals for the Best Ph.D Thesis and the Best M.Phil Dissertation.

3.4.9

What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

The University conducts an award ceremony biannually to felicitate the faculty members receiving state, national and international recognition for research contributions where the faculty received letters of appreciation and awards and citations.

3.4**CONSULTANCY****3.5.1**

What is the official policy of the University for structured consultancy? List a few important consultancies undertaken by the University during the last four years.

The University has brought out a research and consultancy policy in the form of a handbook and all researchers are made aware of this. Thrust areas of Consultancy response **in 3.5.5**

Does the University have a University-industry cell? If yes, what is its scope and range of activities?

3.5.2

Yes, the University has established a University-Industry cell. This cell has the responsibility of building and strengthening industry –academia interface and is instrumental in effecting collaborations. It also collaborates with various industries and organisations for internships, pre - placement training, on the job training, summer placements, earn-while you learn schemes, and the like for the students.

These internships help the students to gain practical knowledge and real time experiences in the corporate world. The cell has laid a bridge between the industries and University for cross functional interactions and has tie ups with TUV Rheinland, MEMS, NAL, TANEJA, URL, BARC, ACCA, CIMA, Vidushi Academy to name a few.

What is the mode of publicizing the expertise of the University for consultancy services? Which are the departments from whom consultancy has been sought?

3.5.3

The University publicizes its research activities domain expertise available through brochures, pamphlets, handbooks and its official website. Also, the faculty members of the University who are domain experts hold considerable experience in industry and research enabling them to network extensively and use this networking channel to extend their consultancy services.

The University also holds events such as conclaves where the industry stalwarts are invited and the research activities are showcased. So far, faculty members from the Post Graduate departments under the Faculty of Sciences, Faculty of Engineering and Technology, Faculty of Management, and dedicated research Centres have been involved in consultancy.

How does the University utilize the expertise of its faculty with regard to consultancy services?

3.5.4

Faculty members are required to inform their respective Department Heads or Center Heads of the nature, type and extent of their consulting activities (undertaken with or without compensation) so that the concerned authorities may

evaluate the appropriateness of the consulting activities in relation to the performance of the faculty member's regular duties. A faculty member shall not accept or retain employment which would bring him or her as an expert or in any other

capacity, into conflict of commitment or in competition with the interests and purposes of the University. The utilization of University

resources for consulting purposes must be approved by University administrators and documented in a Memorandum of Understanding.

3.5.5

List the broad areas of consultancy services provided by the University and the revenue generated during the last four years.

The broad areas of consultancy services are:

Capacity Building for Democratization in Myanmar Phase III, Governance and Karnataka State Human Development report, Development of Indoor Fire Test Facility, Survey Research Center, Integrated Features of Constitutions, Workshops for teachers- Play Therapy and Design Thinking, Strengthening Community Engagement in Higher Education Institutions (2015), Rural Projects Study, Placement Preparedness Training, KSRTC Bus

stand- KMV Projects, Emergence of States as the Centre of Indian Politics, National Election Study and Karnataka Assemble Study, and Farmers Survey (Karnataka Component).

So far **37** consultancy projects have been completed and **15** consultancy projects are ongoing. Besides these, the department of Management has given honorary consultancy services for 31 projects undertaken by CRCE. Refer to Q. No 24 of Evaluation Report of Department of Management.

3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

3.6.1

How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

The University conducts sensitization programmes for its faculty and students to create an awareness on social responsibilities through counselling units, Women cell, NCC,

NSS, Rotaract, Community Radio and the like. During the last four years, the following programmes have created an impact on the student community.

Awareness drives are held every year on a number of issues. Apart from the clubs and association specifically dedicated to the purpose, various departments of the University are also engaged in organising such events in association with NGOs and experts working in the area. A few notable outreach activities undertaken during the last four years are as follows:

2016

- Expedition from Bangalore to Palakkad to promote the spirit of adventure and service
- Jain University in association with the Deaf Leaders Foundation organised the 4th India International Deaf Film Festival
- NSS Wing of the University conducted a programme on Youth Leadership & Community Development Training in association with Nehru Yuva Kendra, Bangalore, Govt., of India
- Awareness workshop on LPG in association with Petroleum and Explosives Safety Organization of India
- Workshop on Education and Gender Justice organised by the Faculty of Humanities and Social Sciences
- Jain University celebrated Daan Utsav - India's festival of giving in association with iVolunteer and organised "Seva Sandwich"
- Programme on self-defense for women organised by the Women Cell of the University
- My Country Run, a Marathon to promote future Olympians of the country and create awareness

among the masses about the health benefits of staying fit and active.

- Little Steps- 2016 was organised by the Department of Information Technology for the spastic children.

2015

- School of Commerce Studies in association with Tilak Nagar Police Station organised a rally on Crime Prevention to create awareness among the youth
- Awareness drive on national unity and cleanliness, 2015
- Self-Defense workshop for women
- Motorcycle Expedition to spread the message of Women Empowerment and safety from Bangalore to Da Gama (Goa).
- NSS Wing organised Grameena Greedagalu to spread awareness on games and sports originating from the villages of India.
- Samrakshana the Anti-Sexual Harassment Cell, School of Commerce Studies organised an awareness camp on life skills, sexuality, personal safety for the students
- Department of Interior Design organised Go Green Day, an exhibition cum seminar to spread awareness on sustainable materials
- Samyog, Annual Rotaract District Conference was organised by the Rotaract Club at the University

- Awareness drive on Pulse Polio was organised by the Rotaract Club
- Under the initiative SIFE, students organised the Project Abhyudaya in partnership with Art of Living where 60 women from Self-Help Groups in Kaggalipura were trained in skills aimed at making them financially able.

2014

- Guest lecture on Happiness and Well Being by Jyothi Sharma and Harinarayan Sharma from Manipal Health Enterprise Ltd. was organised by the Women Cell
- A Self Defense workshop by the group Wakayama was organised for the women and girl students under the guidance of Sensei Mathews P.Raj, a master in Karate.
- Over 400 students participated in the annual event from Enactus Forum, Ignite where they took up community projects for a duration of three weeks.
- Kargil Diwas was celebrated by the Rotaract Club of Jain University to honour the late martyrs who laid their lives while protecting us during Kargil War.
- Blood Donation Camp was held at various campuses of Jain University in association with Rotaract Club
- A walkathon was organised by the NCC to spread awareness on organ donation

- Drives on spreading awareness on the harmful effects of tobacco, drugs water scarcity, gender empowerment and other issues were undertaken by the Girls Wing of NCC
- Radio Active, the Community Radio of the University aired 18 episodes a project awarded by the Karnataka State AIDS Prevention Society (KSAPS) to spread awareness on HIV/AIDS
- Vishwaas, the Counselling Centre of Jain University organised an awareness drive on Suicide Prevention

2013

- Radio Active conducted a three day workshop for Women Broadcasters which invited women from the grassroots level to share their experiences. Youth Week was celebrated by the NSS Wing whereby orientation sessions and workshops were held for youngsters on personality development, developing leadership skills and gaining an understanding of the community around them.
- A health talk was organised by the University on Eye Care followed by an Eye Check Up Camp
- An anti-drug abuse rally was undertaken by the students of the University to create awareness on the negative aspects of drug abuse

How does the University promote University-neighbourhood network and student engagement, contribute to the holistic development of students and sustained community development?

3.6.2

Response is already given in 3.6.1

How does the University promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

3.6.3

The institution believes in the holistic development of the students. It imparts wholesome education. The University encourages students to participate in extension activities like NSS, NCC, Rotaract Club and other community oriented activities. The outreach programmes of these wings are related to various societal issues and nation building activities. The University has fully functional NCC Wings for Boys and Girls, 2A/5 Coy 7Kar BN NCC and 1/9 Coy 9 Kar BN NCC respectively.

In the beginning of the academic year students seeking admission to the various courses are counseled by the representatives of the extension wings. They are told about the various activities of these wings and how the participation in these activities are beneficial to them in the long run (like seeking admission in professional universities, getting global exposure, securing decent jobs, participation in youth exchange programmes etc.). Students are encouraged to take up these activities without neglecting their main stream curriculum. Classes are conducted during weekends, summer

breaks, holidays.

The faculty members assist the NCC officers and NSS programme officer to conduct regular and special camps, rallies, blood donation camps etc.

The NCC Senior Division of the University take part in RD camp, ID camp, youth exchange programmes, emission test, blood donation camps, expeditions etc. These activities are aimed at creating awareness on various national issues and concerns. The NCC wing has also conducted many relief programmes like collection and distribution of clothes, medicines and fund raising programmes for the people affected by natural calamities. Every year the wing is conducting anti-dowry pledge, eye donation pledge, literacy programmes, environmental preservation camps, blood donation camps (along with NSS). The 2A/5 company has received the Red Cross Rolling Shield thrice for the highest blood donation.

3.6.4

Give details of social surveys, research or extension work, if any, undertaken by the University to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

The University has undertaken a number of projects on social survey to ensure social justice and empower the underprivileged. To name a few,

Students in Free Enterprise (SIFE), RADIOACTIVE CR 90.4 MHz, waste management project, community awareness programmes.

Sl. No	Area of Work	Focus
1	Impact of Electoral Choices	Field study of what impacts on electoral choices
2	Field Study with UCB: Study	Field Experiment on Voter Choices
3	Global Dialogue on Federalism	India component of Dialogue
4	International Conference on Federalism	Support for Preparing Theme Paper
5	Federalism Capacity Building in the Sudan	Workshops for Political Leaders
6	Youth Study	Survey of Attitude and Perception of Youth
7	People With Disabilities	Action Taken Report on Progress in India
8	Federalism Capacity Building in Ethiopia	Enhancing Federalism Scholarship
9	Federalism Capacity Building in Ethiopia	Enhancing Federalism Scholarship
10	Worldwide Web	India Survey
11	Democracy Enrichment and Constitution Making in South Sudan	Dialogue on Constitution Making
12	Survey Research Centre	Conducting a Customized Survey
13	MISSION10x	Conducting Workshops for Engineering Faculty - 543 days
14	Impact Study of Mission10x	Study of the Impact of the Project on Teaching/Learning
15	Karnataka Youth Policy	Draft Youth Policy
16	Support for South Sudan Constitution Making : II	Consultation with Members of Constituent Assembly
17	Capacity Building for Democratization in Myanmar - Phase 1	Conducting Workshops for key stakeholders
18	Happiness Project	Survey
19	Democracy Enrichment and Constitution Making in South Sudan	Dialogue on Constitution Making
20	Karnataka Elections	Election Analysis

Sl. No	Area of Work	Focus
21	Tracker Poll	Election Analysis
22	Capacity Building for Democratization in Myanmar II	Conducting Workshops for key stakeholders
23	E Patshala	Course Material
24	Karnataka Project Report	IAS Officers Field Study Report Evaluation
25	Farmers Survey (Karnataka component)	Survey of Attitudes and Perceptions of Farmers
26	Community Engagement and Higher Educational Institutions	Survey and Generation of Report
27	Capacity Building for Democratization in Myanmar III	Conducting Workshops for Ethnic Groups

Does the University have a mechanism to track the students’ involvement in various social movements / activities which promote citizenship roles?

3.6.5

The University ensures involvement of the students in outreach activities through NSS, NCC and Rotaract units which organizes various camps like general health camps and community development work with the consent and consultation

of the community members. The units-in-charges maintain records of student involvement in these activities and encourage them to develop leadership qualities and imbibe moral values to make them responsible citizens.

Bearing in mind the objectives and expected outcomes of the extension activities organized by the University, how did they complement students’ academic learning experience? Specify the values inculcated and skills learnt.

3.6.6

The participation of students in the extension activities helps in channelizing their energy into constructive, socially useful and nation building activities. It strengthens the core academic activities of the University by providing practical experience which effectively supplements their theoretical knowledge. The activities pursued,

imbibe a sense of civic responsibility in students and makes them aware of issues in the society. It also imparts team building skills and capacity to overcome challenges. It also helps the youth to experience the feeling of being useful to the community leading to increase in their sense of self-worth and confidence. When students engage

in outreach activities they gain a perspective which helps them to develop leadership qualities, life

skills and sensitivity towards the needs of the community.

3.6.7

How does the University ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the University which have encouraged community participation in its activities.

The University encourages students and faculties to participate actively in various outreach programmes to inculcate a sense of social responsibility. Activities are all enlisted in the reports of NSS, NCC and Rotaract units.

The University collaborates with NGO's like Janagraha and is involved in village adoption programmes. The University has also initiated tie-ups with White Swan Foundation for Mental Health and Apna- Desh for community engagement.

3.6.8

Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

The following are the details of the awards received by the institution for the extension activities.

The NCC senior boys Division have won:

- Best Institution Award 13 times
- Best Cadet Award
- Prestigious Award at RD & ID
- Cap. Arvind Kumar was awarded with the Raksha Mantri Commendation for the year and Dg. Commendation Award.
- Cap. Arvind Kumar was conferred with the Defense Secretary's Commendation and Badge (2016)
- Awards in Youth Exchange Programmes at national and international levels .

The NCC senior girls division have also won:

- 3 times Best Unit Award
- Best cadet awards – Republic Day
- Prestigious Awards at RD & ID – Independence Day

Rotaract Club of the University has won:

Best club award, Best President award, Best Community Services award, Best Professional Service award, Best Installation award, Best Joint Bulletin award, Best Professional Service Project award, Prompt Report Submission award

COLLABORATION

3.7

How has the University's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the University benefitted academically and financially because of collaborations?

3.7.1

The University has linkages with many national and international organisations for research and extension which has led to community development and given academic, industry and service sector support. These collaborations have been able to give a global presence to the University as well as given an identity to the

faculty members who are involved in consultancy services. The activities of the faculty members have diversified to a large extent. Academic growth of faculty has been remarkable due to their engagement with top Universities, industries and corporate sector.

Mention specific examples of how these linkages promote *

3.7.2

a) Curriculum development-

The Jain University is a deemed to be University and it follows its own syllabus. The curriculum has been developed keeping in mind the needs of the industries. Linkages with industry have assisted the University in creating curriculum which caters to the requirements of the job market today. Some of the curricula which has been developed in consultation with the industry includes:

- a) M.Tech Programme in Aerospace Engineering and MBA in Aviation Business Management have been developed in consultation with ISRO, HAL, BIAL and other reputed organisations in the field. The linkages developed with Kempegowda International Airport (KIAL), Taneja Airlines & Aviation Ltd.,

Indian Institute of Kanpur Flight laboratory, National Aerospace Laboratory have made it possible for the University to use their propulsion laboratory for the M.Tech in Propulsion programme.

- b) M.Tech in Energy Engineering and M.Tech in Energy Management and Climate Change Technology have been developed in collaboration with M/S TUV Rheinland, India with funding support from SEQUA, a German funding agency.
- c) Consultations with the organisations and industries functioning in the food processing sector lead to the establishment of M.Tech course in Food Technology.

d) In addition, the value added courses -have been introduced in association with various organisations and are helping the students to specialize in the areas of their interest, enhance their soft skills and groom them to become entrepreneurs and industry leaders.

b) Internship-

The Placement Cell of the University has been instrumental in providing internship facilities to the students by establishing tie-ups with reputed industries. These internships help the students gain practical knowledge of the industry. The students learn to face up the challenges in the corporate world, the next destination after academics through their internship.

The University has tied up with Bangalore Stock Exchange to train the students for National Stock Exchange Certificate in financial markets (NEFM). Students are groomed to become entrepreneurs in association with Entrepreneurship Development Institute, Ahmadabad.

The strong linkages that the University has built with the industry have resulted in students being offered internships with leading mutual fund agencies like DSP Merrilynch and other leading organisations.

c) On-the-job training –

The Academic Resource Group has facilitated on the job training for students by developing strong collaborations. This initiative has

enabled the students to gain corporate exposure and experience. It also provides them practical experience to fit effortlessly and confidently into the career of their choice. The Academic Resource Group has facilitated collaborations with Infosys and Cognizant Technology for on the job training in the IT sector. The linkages with national laboratories have facilitated on the job training for students from different disciplines of science and engineering.

d) Research –

Research has witnessed a remarkable boost in terms of quantity and diversity due to collaborations and linkages that the University has entered into with various national and international organisations and industries. Some of the examples are:

- a) MOU between Centre for Emerging Technologies of the University and SSTRIC, has enabled research in the domain of MEMS and related areas.
- b) Collaboration between IIAEM, JU and International Institute of Aerospace Technologies, St. Petersburg, Russia has enabled joint research for development of software package and computation code for flight simulation of civilian trainer aircrafts.
- c) The agreement between Faculty of Sciences, JU and Embry Riddle Aeronautical University, USA has facilitated research collaboration in the area of space technology.
- d) Collaboration between CDM, JU and CPGL, Bangalore has facilitated research in the area of bio-energy

research.

- e) Collaborations of the Faculty of Humanities and Social Sciences with bodies such as Archaeological Survey of India and Indian Council of Historical Research has enabled research in the fields of urban planning and cultural studies.

e) Consultancy –

Some of the senior members of the University are involved in consultancy services.

Such consultancy services are provided by the faculty as good will, on an honorary basis. However, in the engineering wing it has led to internal revenue generation, expert services to society, industries etc. The details of the same are given in 3.3

f) Extension –

Linkages formed by the University have expanded extension activities such as service, exchange of knowledge and development of entrepreneurship .

The initiatives of the University in collaboration with its partners have lead to incubation of 40 companied in different verticals.

The University's association with NCC, NSS, Rotaract, NGOs such as Janagraha and others has helped us to engage positively with the local community, neighbourhood, student community, parents and the society at large . The collaboration with local bodies has resulted in building good will. The activities of NCC and NSS have helped to spread the message of national integration and social

responsibilities. These extension activities which are conducted in collaboration with NGOs, local community and other bodies have acted as good will ambassadors propagating the dedicated vision of the University to promote the holistic development of an individual.

g) Publications –

Many of our faculty members have authored and co-authored various text books (UG and PG Levels) research papers and monographs for national and international level publications. Our linkages with other universities have assisted us in establishing refereed journal of the University, Pariprashna which is released bi- annually.

Besides, the collaborations and cooperation between our faculty, researchers and those from other universities, along with encouragement from the RDC, JU have lead to an increase in the number of faculty publications in national and international journals of repute.

h) Student Placement –

The skill development programmes introduced by the University along with the curriculum have enhanced the employability of the students. The various linkages developed by the University with the industries, institutes of higher learning and research bodies have widened the prospects of the students with respect to global relevance, competence and placements.

The Placement Officer is in charge

of the Placement Cell. The activities undertaken by the Placement Cell has resulted in a remarkable increase in providing placements after the year 2004. These activities are well supported by the Academic Resource Group. They have been able to create an impact on the industry personnel through internships, earn- while you learn schemes, on-the-job training and pre-placement training. Every year reputed companies visit the campus for recruiting our students. The Placement Cell conducts a special programme called **Path way to**

Placements to provide information about various companies to the students.

The tie ups with various international and national bodies have enabled us to provide our students with access to latest technologies in their domain through shared lab facilities and live projects, thus increasing their skill sets.

The documents related to the number of students placed are available with the Placement Cell.

3.7.3

Has the University signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the University?

The University has signed 85 useful MoUs with institutions of national/international importance/other Universities industries and corporate houses. They have been able to give a different outlook to the research and development activities by increasing the number of projects, networking with other research and development Centres, facilitating the research programmes. The following are a few of the external agencies with which the University has MoUs:-

SSTRIC Ltd, Underwriters' laboratories (UL)(USA), Ghent University, Saint Mary's University of Minnesota, Forum of Federations, University Ottawa, Institute

Aéronautique ET Spatial (IAS), France, University of Exeter, UGC, Sri Lanka, Stichting National Lucht – En Ruimtevaart laboratorium, Embry Riddle Aeronautical University, University of Bolton, Toastmasters International , The Chartered Institute of Marketing, Camosun College of Victoria, British Columbia, Canada, HMKW- Hochschule fur Medien, Kommunikation und Wirtschaft GmbH, Ivey Business School at Western University, TUV Rheinland, Cranes Software International Ltd, Refuelling Technology Division, BARC Mumbai, TYCO Fire and Security (India) Pvt, BIOZEEN, Amazon Envirotech Private Ltd, CSIR – NAL, and IIJT Computer Education Pvt

Have the University-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

The University/Industry interactions have resulted in creation of National Research Facilities:

Some of the noteworthy facilities are:-

- Coating facility at Centre of Emerging Technologies:
A facility funded by GTRE (DRDO) has been established to coat 3D printed parts made from ABS using FDM process. The advantage of this is 3D printed parts will be strengthened to look aesthetically better. The parts will be coated with Ni and Cr.

Currently a project from ISRO to make enclosures to house electronic

packages is being done by 3D printing and the same will be coated.

- The Fire and Combustion Research Centre (FCRC) has collaborated with Underwriters laboratories, USA to establish a Fire Testing & Consultancy Centre known as the ULJFL Lab. The collaboration with Mico-Bosch has lead to the establishment of a facility at the Global Campus of the University.
- The University has also initiated the process to create Energy Park in consultation with TUV Rheinland and an instrumentation centre in consultation with DST.

OBSERVATIONS OF PEER TEAM:-

Promotion of Research

Majority of the faculty are not active in research.

Workshops and Training programmes in research are limited.

Research Publications and Awards

Research output is not significant.

Only a handful of teachers have received research awards.

Resource Mobilization for Research

Consultancy work is limited but vibrant in a couple of Centres.

There is no formal University-Industry interface cell.

Institutional policy for consultancy has

not been articulated clearly.

University has linkages with few National and International Organizations

COMPLIANCES:-

Promotion of Research

50 % of faculty are active in research.

- All the PG faculty members are involved in research activity and majority of UG faculty members are involved in research.
- There are 126 faculty members who are research guides.
- 143 faculty members are pursuing their PhD.

- Faculty members are actively involved in projects of International / National significance.
- Research retreat is a unique and innovative platform for research guides and doctoral students to share their research work.
- Resource persons are invited to conduct workshop and training program during the Faculty Development programmes and skill development programmes which are conducted regularly.

Research Publications and Awards

Right from inception, the University has always given importance to quality publications and research projects. Out of the 2860 publications, 1488 are in Scopus and other reputed Indices like Thomson Reuters, PubMed, SCI, Wiley and others.

- Well known funding agencies like Naval Research Board BARC; Democracy and Electoral Studies, GoK, FoF; ICSSR; ARDB; DBT; DST- Nanomission; DST; NDMA, Govt. of India have funded the projects of the University which are of International / National importance.

Research Awards

- Sixty faculty members have received research award which is quite appreciable feat for a young University.
- The research awards are received from leading Institutions / Bodies such as VGST; UGC;

NIT-Calicut; IISc; DST; St. Gallen; DFS-MHA (Ministry of Home Affairs); KSCST; DBT; Emerald Publications; APCOM 2010-Sydney; ICCES 2014 - South Korea; US Air Force - Florida; Exeter University; UNSW (Australia); Karnataka State - Shilpa Kala Academy; IGIDR 2010 - Mumbai; UK Commonwealth; Hungarian Fellowship; World Foundry Men Congress; Indian Technology Congress; Stockholm University; Korean Government; Portuguese Government; University of Hull-UK; Republic of Ireland; Raja Ramanna Fellow; Vasvik Award, among others. The awards are spread across all disciplines (details available with respective Departments).

Resource Mobilization for Research

Consultancy

- Jain University has given utmost importance to consultancy work.
- 37 Faculty members are actively involved in consultancies fetching revenue of Rs 231.28 Lakhs.
- Consultancy Projects are in diverse fields awarded by BARC, UNESCO, Knowledge Commission, EU, Wipro, CNN-IBN, Forum of Federation, TUV Rhineland and so on

University-Industry interface cell.

- The University has a centralized Industry-Institution Cell for Industry interface. (Please refer to

Criterion II Compliance : Catering to students diversity)

- University-Industry interface cell is very strong with a designated team handling all its activities.

Institutional policy for consultancy

- The University has a very well-articulated policy for Consultancy.

- A handbook is prepared for the consultancy policy which is readily available for reference.

Linkages with National and International Organizations

- Jain University has **85** linkages with Universities, Industries and R&D establishments for research and consultancy activities. (Details available with IQAC).



CRITERION IV:
INFRASTRUCTURE AND
LEARNING RESOURCES

4.1 PHYSICAL FACILITIES

4.1.1

How does the University plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

The University has developed a strategic plan to enhance the physical infrastructure in order to balance the ever increasing demand for additional space for classrooms and laboratories. Provisions have been made to ensure optimum utilization of infrastructural facilities. Additional infrastructure is created as and when required.

The physical infrastructure of Jain University is spread over its School of

Engineering and Technology located at the Global Campus and at Campuses of various other schools. All the campuses have adequate number of classrooms, laboratories, recreational facilities, community areas and other structures specific to the domain in which the Campus is imparting courses. Some of our campuses are centrally air-conditions.

Sl. No	Constituent Units	No. of Class rooms	No of staff rooms	No. of Laboratories	No. of Seminar Halls
i	School of Engineering & Technology	40	12	40	Auditorium -02 Indoor stadium -01 Colosseum -01
ii	School of Sciences	54	10	20	Auditorium -01 Seminar Hall -01
iii	School of Humanities & Social Sciences	26	08	02	Seminar Hall- 02
iv	School of Interior Design				
v	School of Commerce				
vi	School of Computer Science & IT	66	10	23	Seminar Hall -03
vii	School of Management (PG)				
viii	School of Management (UG)	32	7	2	Seminar Hall- 03
ix	International Institute for Aerospace Engineering & Management	11	5	4	Seminar Hall - 01

Does the University have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Budget is earmarked for the augmentation of the infrastructure as and when required. The University has a department dedicated to Facilities Management which oversees the maintenance and expansion of infrastructure. The department does periodic surveys of the existing infrastructure and also processes requests for new infrastructure which arises due to addition of new programmes and other requirements of an expanding educational institution.

Some of the facilities added to the existing infrastructure in the past few years are as under:

- 2010 – State of the art laboratories were created at School of Sciences for postgraduate studies and research in the stream of pure and applied sciences.
- 2010– International Institute for Aerospace Engineering & Management (IIAEM) was established with all the required facilities.
- 2010 – Center for Nano and

Material Science was established as a dedicated research centre to pursue cutting edge research in the field and provide education in this emerging area.

- 2016- Additional residential facility (hostel) was created for the girl students at the School of Engineering and Technology with a capacity to accommodate **228** students.
- 2016- Propulsion Lab was established at IIAEM.
- 2016- Fire and Combustion Research Centre (FCRC) was established to pursue research, education and consultancy
- 2016- School of Humanities and Social Sciences and, School of Interior Design were renovated to provide students with improved infrastructure.
- In order to accommodate more girl students, another additional hostel is under construction at School of Engineering and Technology.

4.1.2

How does the University create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Infrastructure is proportionately augmented after conducting a thorough analysis of the needs

of various departments, research centres and the specializations of the faculty members. Some of the

4.1.3

measures that the University has so far taken to provide faculty members with support in terms of physical infrastructure include:

- Construction of computer labs to create adequate computing facilities
- Smart Computing classrooms
- Internet and e-mail and reprographic facilities
- Purchase of equipment for research. For instance, wind tunnel was

installed for aerospace and civil engineering faculty and students.

- Constructing and facilitating the creation of new research laboratories. For instance, the Fire and Combustion Research Centre (FCRC) and Propulsion Lab were recently established at the University.
- Provision of generator and UPS in all constituent units to ensure round the clock supply of power.

4.1.4

Has the University provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Every department has a staff room which is equipped with computers having access to the Internet. There are separate rest rooms for both faculty and students. Additionally, the University has also provided space to the students to coordinate activities of various forums such as the Commerce and Cultural Forums and other associations and societies at various campuses.

The University has a considerable number of women faculty members

and students. In order to accommodate their requirements, separate common rooms and rest rooms have been provided. CCTVs are installed to govern security and discipline and as additional measures to make women safe on the Campus. In order to ensure safe and easy movements and privacy, the campuses have staircases and lifts meant only for women, apart from those meant for general use.

4.1.5

How does the University ensure that the infrastructure facilities are disabled-friendly?

The University has made efforts to make the campus easily accessible and friendly to persons with special needs. Support staff are made available to the specially challenged students and faculty. Wheel chairs are

made available for easy movements of the physically challenged. Lifts are provided to ensure access around the campus for the students and faculty members with special needs.

How does the University cater to the requirements of residential students? Give details of

* Capacity of the hostels and occupancy (to be given separately for men and women)

Hostels	No. of Hostels	Total no of Rooms	Occupancy
Hostel for Boys	09	711	1700
Hostels of girls	07	300	930
Total	15	1011	2630

* Recreational facilities in hostel/s like gymnasium, yoga centre, etc.

The resident scholars are provided with various recreational facilities during leisure hours. These facilities include television, screening of movies, social get-togethers and the like. During vacations they are taken on tours and excursions. On festivals, special celebrations are organised to make the students feel at home. National festivals are celebrated to foster and further strengthen the spirit of national integration and harmony. The hostels have indoor game facilities like table tennis, carom, chess, badminton and the like. There is provision for 24 hours medical facility and transportation in case of emergencies. All the students are covered by medical insurance. The management has an agreement with Mahaveer Jain Hospital for medical assistance. There are separate housekeeping personnel to ensure the cleanliness and upkeep of the hostels both in and around the building.

The facilities at the hostels are meant to provide students with a supportive and nurturing environment with adequate infrastructure. To provide an illustrative list, the School of Engineering and Technology located at our Global campus has the following facilities:

- Hostel rooms are provided with cots, bedding, and study tables with lamp, chairs and attached bathrooms.
- Common study room.
- Common rooms with TV and cable facility.
- Computer room with six computers.
- Waiting lounge for all visitors.
- Water coolers with water filters.
- Table Tennis tables.
- Daily newspapers are provided in the common room.

* **Broadband connectivity / wi-fi facility in hostels.**

All the hostels have broadband Internet connectivity and Wi-Fi facility

4.1.7**Does the University offer medical facilities for its students and teaching and non-teaching staff living on campus?**

There is a regular Health Centre at the School of Engineering & Technology (Shared facility with international school) which has the following facilities:

- Medical consultation and medication/treatment is given in the hospital on the campus.
- 24 hours medical services by resident doctors

- Specialized doctors including dentists visit frequently.
- Ambulance services are provided for emergency cases.

Emergency medical needs are immediately addressed to on all the other campuses. The authorities refer the students for emergency medical treatment to Mahaveer Jain Hospital.

4.1.8**What special facilities are available on campus to promote students' interest in sports and cultural events/activities****Co-curricular activities:**

The University has an Auditorium which is of 8800 sq.ft. with a seating capacity of 1200 and with state -of -the art audio visual facility. All cultural and other extracurricular events are organized in this auditorium. In addition, the conference halls in the campuses provide scope to conduct seminars, guest lectures and workshops. The activities are technically supported through a provision of LCD, recording system, motorized screen, screened speakers, cable TV, VCD and total audio system connected through the entire building. A speciality auditorium of the University, Colosseum has 5000 seating capacity where major events of the University

like the Annual Convocation are held.

Sports:

The Sports Department has provided separate infrastructure for indoor games on the campuses. For regular practice, coaching and inter-class sports competition, the University has associated with Kittur Rani Chennamma Stadium within 3 kms radius for city campuses. Apart from this, there is a separate gymnasium with latest exercising equipment. The School of Engineering & Technology has excellent sports facilities of international standards for outdoor as well as indoor sports. These are:

Outdoor facilities: Cricket ground, football grounds, volleyball, tennis courts, basketball grounds, international standard swimming pools, athletics, golf, etc.

tennis, multi-specialty gymnasium, squash.

Sprintoor is an indoor stadium with a total built up area of 80,000 sq. feet with the following facilities:

Indoor facilities: Badminton, table

1	4 badminton courts with Gerflo synthetic flooring
2	One basketball court with wooden flooring
3	Table Tennis hall with 15 tables
4	2 Squash courts with viewer's gallery
5	Billiards and Snooker hall with six tables
6	Bowling Alley- 4 lane
7	Air Conditioned Gyms with most modern equipment
8	Cardio Fitness Centre
9	Aerobic Centre
10	Sauna, Steam and Jacuzzi

Sprintoor also has well-furnished living accommodation with a capacity of 75 beds, a VIP lounge, cafeteria, projector room, media room and a reception lobby.

strips of turf wicket in the centre is fit enough to host any international or national level cricket match.

The Aqua

It is an ultramodern aquatic complex. The Aqua comprises 25 m 8-lane short course swimming pool, a 50 m 10-lane competition pool with water-polo facilities and a separate diving pool with standard fixed and spring diving boards. It also has a covered gallery to seat 1000 spectators on either side of the pools.

A modern pavilion with complete facilities of dressing rooms, massage rooms, umpire's cabins, dining hall and viewer's gallery. Ten practice pitches (07 turfs & 03 cement) are also available for the practice purpose.

Tennis courts

There are 06 plexi-cushioned tennis courts.

The Oval

The 2 lakh sq. feet lush green 'Oval', a well-designed international standard cricket ground with 5

Basketball

It also has five Volleyball courts and four Basketball courts, two Basketball courts have latest lighting facilities to enable night time practice.

Golf Course

The University has an international class six hole Golf Course. It has a double tier spacious driving range fitted with ultramodern Golf training and analysis equipment.

Football

It has two lush green international standard turf football ground that is fitted with pop-up sprinklers.

Hockey

It has a natural turf Hockey ground of international standard fitted with pop-up sprinklers.

Athletics

It has a 400 meters natural track, athletic arena and a covered stand with a capacity for more than 5000 seating spectators.

Multi-Gym

It has a full- fledged Gymnasium with the latest equipment for physical conditioning with separate timings for Boys and Girls. This Air- Conditioned

Multi-Purpose Gymnasium is available for use by the trainees. The Gym has facilities such as Chest Conditioner and Press Station [80 kgs], Dipping, Leg Press [100 kgs], Seated Rowing [75 kgs], Latissimus Station [75 kgs], Peck Deck [75 kgs.], Leg Extension/ Leg Curve [75 kgs], Hip Flexor, Chinning Station, Twister, Chromium plated MS -Radius Weight Stack, Smith Machine New Model with 2.2 meters Rod, Clamps, Collar and Keys, Smith Bench, Abdominal Board with Ladle, Fore Arm Machine [50 kgs], Roman Chair, Double Trunk Twister, Body Jack, imported Ex-Cycles, imported Manual Treadmill, Dumbbell Stand, MMS Chromed Dumbbells with Rubber Rings and Rubber Handles of different sizes and MS Chromed Barbell Weights.

The University has also entered into a lease agreement with the Rajiv Gandhi Indoor Stadium which has world-class indoor facilities for indoor sports activities.

4.2 LIBRARY AS A LEARNING RESOURCE

4.2.1

Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

- The library has an Advisory Committee. from all Faculties. It is coordinated by the Joint Registrar of the University, Mr. M S Santhosh.
- The Committee comprises of the respective Center Heads, Librarians of all centers, Senior HODs, Deans, and students representatives drawn
- The responsibilities of the Committee are :

- | | |
|---|---|
| <p>a) Ensure optimum use of library facilities.</p> <p>b) Frame appropriate rules and regulations.</p> <p>c) Plan the annual budget.</p> <p>d) To procure relevant books and subscribe to periodicals/e-journals.</p> | <p>e) To employ competent and adequate library staff</p> <p>The Committee meets frequently to review and discuss the above mentioned responsibilities to ensure smooth functioning of the library</p> |
|---|---|

Provide details of the following:

4.2.2

	<ul style="list-style-type: none"> School of Engineering & Technology International Institute of Aerospace Engineering and Management 	<ul style="list-style-type: none"> School of Commerce School of Computer Science & IT School of Management (PG) 	<ul style="list-style-type: none"> School of Sciences 	<ul style="list-style-type: none"> School of Management (UG) 	<ul style="list-style-type: none"> School of Social Science & Humanities School of Interior Design
Total carpet area of the Central Library (in sq. ft)	5000 sq.ft	2000 sq.ft	3280 sq.ft	4600 sq.ft	1200 sq.ft
Seating capacity of the Central Library	300	200	130	220	140
Separate reading room facility	Yes	Yes	Yes	Yes	Yes
Faculty and Staff (seating capacity)	150	100	50	130	70
Students (seating capacity)	150	100	80	204	70

Working hours (on working days, on holidays, before examination, during examination, during vacation)

City campuses:

- The library offers its services for 12 hours a day (8.30 am to 8.30 pm)
- The library works on all days except Sundays and general holidays.

Engineering campus

- The library is open 24 x 7.

4.2.3 Give details of the library holdings: Print (books, back volumes and theses)

Constituent Units	Books			Newspapers	E-Journals	Online Database	Offline Databases	CDs	Project Reports/ Dissertation	Bound Volumes	E-Books
	Lending	Reference	Annual Periodicals								
<ul style="list-style-type: none"> School of Engineering & Technology International Institute of Aerospace Engineering and Management 	23394	9526	77	31	63835	1.IEEE & ASME 2.Proquest 3.Emerald &.AIAA	Nil	4276	1435	1482	5841
<ul style="list-style-type: none"> School of-Commerce School of Computer Science & IT School of Management (PG) 	37246	14461	157	28	18087	1.Pro Quest 2. Sage Online journals 3. British Library 4. CMIE Prowess	SYSTAT 13	2549	1486	1315	
<ul style="list-style-type: none"> School of Sciences 	16256	5878	62	27	NIL	Proquest	NIL	448	1040	528	
<ul style="list-style-type: none"> School of Management (UG) 	6196	3300	75	14	16077	1. Sage Online Journals 2. British Library 3. Proquest 4. Emerald	NIL	2000	3500	210	
<ul style="list-style-type: none"> School of Social Science & Humanities School of Interior Design 	1717	1173	02	15	NIL	Proquest	NIL		100	NIL	
Total	84809	34338	373	115	97999			9273	7561	3535	

What tools does the library deploy to provide access to the collection?

4.2.4

The library has deployed institutional membership with :

SI No	Name of the Library	No. of Cards Available	
		Lending	Reference
1	British Library, Bangalore	10	Nil
2	Delnet, New Delhi
3	Indian Institute of Management, Bangalore	10	2
4	Indian Institute of Science, Bangalore	Nil	2
5	National Aeronautical Laboratory, Bangalore	2	3
6	National Law School of India University, Bangalore	2	Nil
7	The American Library	5	Nil

The library has also subscription for e-Resources- Online Journals.

SI. No.	Online Journals
1	ASME
2	IEEE & ASME (Multi User)
3	EBSCO
4	EMERALD
5	AIAA
6	SAGE
7	PROQUEST

Library has a provision for Dspace uploaded data

Library Dspace Uploaded Data		
SI. No.	Subject	Number Uploaded
1	Ph.D Thesis	120
2	Previous Year Question Papers	All Semesters
3	News Paper Clippings	Archived
4	NPTEL Videos	252

To what extent is ICT deployed in the library? Give details with regard to

4.2.5

- **Library automation:** The Library has been automated with Easylib, a customized Library management software and ATHENAEUM LIGHT 5, a customized Open Access Free Library Management Software.
- **Total number of computers for general access:** 39
- **Total numbers of printers for general access :** 06
- **Internet band width speed 2 Mbps-10 Mbps:** 10Mbps

4.2.6

Provide details (per month) with regard to

Average number of books issued /returned per day	600
Average number of faculty visiting the library /day	300
Average number of students visiting the library/day	450
Average number of users who visited /consulted per month	12,000
Average number of log-ins into the e-sources per month	700
Ratio of library books to number of students enrolled	1:18
Total number of the day the library kept open * The main library is kept open on all days	6 days*/week
Number of Computer terminals	2175
Number of Departments with computer facilities	44
Budget allotment for computers during the last academic year	75 Lakh
Amount spent on maintenance and upgrading of computer facilities during the last academic year	20 lakh
Is there a workshop / Instrumentation Centre?	There is a workshop attached to Mechanical Department.

4.2.7

Give details of specialized services provided by the library with regard to

- Manuscripts– Maintained by Center for Ancient History and Culture (CAHC)
- Reference -Separate section maintained
- Reprography/Scanning : Available
- Inter-library Loan Service : Need based service extended
- Information Deployment and Notification
- OPACS- The information related to new arrivals are displayed on the notice board of the library/circular sent to Deans of Faculties and librarians of the other constituent units.
- Internet Access
- Downloads: Free Internet access is provided with 10 Mbps
- Printouts: Available
- Reading list/ Bibliography compilation
- In-house/remote access to e-resources
- User Orientation:First year students are given orientation about the rules and regulations during the orientation programme. Faculty is also provided orientation on the user facilities.
- Assistance in searching Databases
- INFLIBNET/IUC facilities

Provide details of the annual library budget and the amount spent for purchasing new books and journals.

4.2.8

Sl. No	Constituent Units	Amount Spent on Books and Journals (Since 2009) Total Cost in Rs.	
		Books	Journals
i	School of Engineering & Technology	1,93,76,848	Print Journals- 17,28,473 E- Journals- 1,99,26,945/-
ii	International Institute of Aerospace Engineering and Management		
iii	School of Sciences	1,20,44,208	13,21,269
iv	School of Management (UG)	9,12,892	9,58,692
v	School of Commerce	1,16,35,770	33,03,403
vi	School of Computer Science & IT		
vii	School of Management PG		
viii	School of Social Science & Humanities	24,01,270	2,48,659
ix	School of Interior Design		

The Total Expenses of the Library from 2009 to 2016 is Rs.7,38,58,429 Crores

What initiatives has the University taken to make the library a 'happening place' on campus?

4.2.9

The library organizes extension activities like Book Exhibitions, Expert Talks, Book Donations, User awareness programmes, Conferences of national and international levels in the fields of library and information sciences. In order to encourage students and faculty to make optimum use of the

facilities, the Library has instituted the Best User Award

The Libraries have also adopted a policy of displaying the resources available for maximum visibility. For instance, there are is a special display area for newspapers and magazines.

4.2.10

What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

- Informal feedback given by the students and faculty to the librarian relating to the books, journal and other materials.
- Librarian verifies the authenticity of the feedback and takes necessary action through the Center Head.
- The library committee analyses the requirements of the libraries in the constituent units from time to time and makes recommendations to the University authorities for needful action.

4.2.11

List the efforts made towards the infrastructural development of the library in the last four years.

As and when the need arises for library procurement with the addition of different courses, books are procured and added to the library. If this requires

additional infrastructure the same is provided. As the existing libraries are already spacious infrastructural augmentation is not required.

4.3 IT INFRASTRUCTURE

4.3.1

Does the University have a comprehensive IT policy with regard to

IT Service Management

- The University has a well - managed Local Area Network.
- University provides selection, purchase, setup and maintenance of all network equipment for efficient operation of the network.
- System administrators are present at all the campuses for the maintenance of computers.
- IT services are used for all the functionalities of the University so as to attain perfection, accuracy and transparency.

Information Security

The information security is ensured with proper control of access rights. Appropriate care is taken to handle the confidential information.

Risk Management

The websites with insecure contents are blocked to prevent the risk of access to untrustworthy websites.

Software Asset Management

The authority to purchase computers and network related equipment for the University rests with the Purchase Committee. Also,

care is taken to adhere to the terms conditions of license agreements of IT resources and software.

Open Source Resources

University encourages Open Source Resources like Linux, Open Office, FEDORA and other Open Source software.

Green Computing

All the outdated unserviceable computers and peripherals are

handed over to the designated firms for recycling.

- CRT monitors have been replaced with LCD/TFT monitors
- Disposal of electronic materials are not permitted on the campus
- Non-usable electronic materials are identified by the department and the list is handed over to the facility manager at the respective center.

Give details of the University’s computing facilities i.e., hardware and software.

4.3.2

- Number of systems with individual configurations : 2175
- Laptops are provided to each MBA Student
- Computer-student ratio :1:5
- LAN facility : Available in all campuses
- Proprietary software

Software available at Departments of Engineering & Technology

Dept	Software	Details
Department of Aerospace Engineering	Windowsxp, symantic antivirus, office7, Adobe, winrar.	AutoCAD, Solid Edge Windowsserver2003, Pythran, Nastran designing, Matlab
Department of Civil Engineering	Windowsxp, symantic antivirus, office7, Adobe, winrar.	AutoCAD, Ansys, Matlab
Department of Computer Science & Engineering	Windowsxp, Fedora 13, symantic antivirus, office7, Adobe, winrar.	Oracle 9i server, windows 2003, C++ Visual studio 10, Sql server, net beans
Department of Electrical & Electronics Engineering	Windows xp, Fedora10, symantic antivirus, office7, Adobe, winrar.	AutoCAD, Windowsserver2003, Matlab, PSpice 9, MI Power, KEIL software -microcontroller
Department of Electronics & Communication Engineering	Windows xp, windows7 cadence, symantic antivirus, office7, Adobe, Winrar	Candence, RHEL 5.4,M-vision Keil, Xilinx ISE, Dsch&Microwind, Matlab, CCS Studio, Turbo c++
Department of Information Science & Engineering	Windowsxp, Fedora10, symantic antivirus, office7, Adobe, winrar.	Ubuntu, Oracle 9I, C++, turbo c++ , Netbeans, Weka, R-language, visual Studio, Opnet stimulation

Dept	Software	Details
Department of Mechanical Engineering	Windowsxp, symantic antivirus, office7, Adobe, winrar.	Solid Edge, AutoCAD, Ansys, Matlab
Department of Basic Science	Windowsxp, symantic antivirus, office7, Adobe, winrar.	Matlab, Turbo c++

Software available at Department of Computer Science

Dept.	Software
MCA	Oracle 10g Visual Studio - 2012 Net Beans 7.1 & Eclips Tally C & C++ JAVA 1.7 XAMP , Linux 12.04 LTS OS, Windows 7 OS
<p>Unique software used by the department</p> <p>Lindo - Lindo Software is used to teach Operation Research. Lindo is an interactive linear, quadratic, and integer programming system useful to a wide range of users.</p>	

Software available at Departments of Sciences

Dept.	Software	Details
Biotechnology	Turbo C, AMBER, GROMACS, GAUSSIAN etc.	Windows OS Linux OS Linux OS
Life Science - (BT,MB,BC)	SPSS	Windows OS
Library	Library Management Software	Windows OS
Physics	WIEN2k	
CERSSE	SPSS	

Dept.	Software	Details
Unique software used by the department for teaching and research		
AMBER and GROMACS : MD simulation studies of macromolecules		
GAUSSIAN : Geometry optimization studies of small molecules		
DOCK: Docking studies of Protein-ligands		
BT-MB-BC		
SPSS : Statistical analysis of research data		
Department of Interior Design	<ul style="list-style-type: none"> • Auto cad • 3Ds Max • Photoshop • Sketch up • Archicad 	
Management	<ul style="list-style-type: none"> • Ymantec Antivirus software • Adobe Premium Suit • Teacher's Class Hour Management - Opra • Windows 7 Professional • Office 2010 and 2013 • Win Server 2008, 12 • Upgraded Libsoft • School Guru - LMS 	
School of Engineering & Technology	<ul style="list-style-type: none"> • MATLAB 	
Administrative Office	<ul style="list-style-type: none"> • Oracle CRM System for student cycle 	

All necessary software are acquired for teaching, learning, evaluation & research on need basis

What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Updating and upgrading of the University website on a regular basis
- Wi-Fi connectivity to be extended to all the Departments
- Replacing the outdated systems with latest systems
- Creation of Data Recovery Centre
- Expanding the operations of the Center for Virtual Learning and Innovations and digital lectures through Technology Enhanced Learning **(TEL)**
- Introduction of Learning Management Software. **(LMS)**

4.3.3

4.3.4

Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

Jain University has been a pioneer in developing innovative learning methodologies in order to enhance the learning abilities of students, and thereby provides a competitive edge in their professional life. Jain University has recently launched the Technology Enhanced Learning (TEL) for some of its programmes. The idea is to harness the power of technology and Internet in particular so as to develop a unique learning process which is learner-centric.

The University has a separate Centre for Virtual Learning and Innovation. This Centre has digitised lectures from the best faculty which serves as on-line course work and help the students to access teaching facility from wherever they are.

School of Engineering & Technology:

- All the Departments have separate staff rooms with computer and Internet facilities.

- Wi-Fi connection is available to all students and faculty in the academic campus.
- Common Internet laboratory facility available.
- Faculties are involved in the development of new material and lecture notes.
- All the question papers, assignments and quizzes are prepared using computer facilities.
- Students are encouraged to use Internet and multimedia resources for their seminars, presentations.
- Faculties maintain records of the internal marks system online.

Software has been developed for feedback mechanisms attendance, monitoring, evaluation system, student progression, database of faculty and students, hostel information and the like.

4.3.5

What are the new technologies deployed by the University in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

Use of ICT as a learning resource combined with technology enabled learning has given a different outlook to the new technologies deployed by the University in enhancing student learning and evaluation some of the available facilities are:

- Internet facility

- Increase in the number of computers / Laptops / Tablets to cope up with the increase in number of students.
- Increasing the bandwidth of Wi-Fi connectivity
- Tie up with National Knowledge Network (NKN)

- | | |
|---|---|
| <ul style="list-style-type: none"> • Widening the scope of TEL • Computerisation of Examination system • Use of anti-plagiarism software for | <ul style="list-style-type: none"> M.Phil / PhD theses / Research articles. • Provision of more number of e-Journals. |
|---|---|

What are the IT facilities available to individual teachers for effective teaching and quality research?

4.3.6

Broad band facilities

- School of Engineering and Technology has a band width of 7 Mbps
- School of Sciences has a band width of 4 Mbps.
- School of Humanities and Social Science & School of Interior Design has a band width of 4 Mbps
- School of Management (UG) has a band width of 4 Mbps.
- School of Commerce, Computer Science & IT & Management (PG) has a band width of 4 Mbps.
- Number of Computer terminals -2175
- Number of Departments with computer facilities- 24
- More numbers of computers are being procured.

The Library has been automated with Easylib, a customized Library management Software. It is also equipped with Internet Connection for the benefit of faculty and students to browse or download the required information from Net.

JGI (Jain Group of Institutions) has Licensed Softwares under **Microsoft School and Campus**

agreement. Other Softwares like Symantec Corporate Edition, Oracle, Adobe CS suite, etc. have also been purchased. This facility is extended to Jain University.

The EDP department has been provided 10 Computers for Students' Data processing. Students' daily attendance and exam / test marks are duly updated. Monthly attendance status and marks of each student is sent to their parents by post and by SMS. Offices have been provided with computers for day to day activities.

Each Department has been provided with a Computer with Internet connection so that the faculty members can browse the net for the learning materials and preparing for their classes. The faculty members have been using LCD Projectors for better classroom presentation.

School of Engineering and Technology:

- All the departments are provided with computer and Internet facilities.
- Wi-Fi connection with Internet facility is available to all students and faculty at the campuses.

4.3.7

Give details of ICT-enabled classrooms/learning spaces available within the University? How are they utilized for enhancing the quality of teaching and learning?

There is a Centre for Virtual learning and Innovation which takes care of the Technology Enabled Learning (TEL). Apart from this the School of Engineering and Technology has smart

classroom which takes care of the virtual learning. The University is in the process of creating learning spaces with virtual learning facilities at all the campuses.

4.3.8

How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the University for such initiatives?

The faculty can make use of LCD projectors, CDs, DVDs, OHPs and the computers to aid in implementing innovative teaching methodologies. Facilities are extended to the faculty members to access the net to take the relevant information or store the necessary data in the system for future references.

- Faculty can prepare computer aided teaching / learning materials by accessing and using Internet facilities.

- Most of the classrooms have LCD projectors and can be connected through laptops, computers and Internet.
- Many multimedia facilities are available in the form of CDs/ VCDs/ DVDs etc. in the library and are being utilized by the faculty for preparation and delivery of the teaching material.

4.3.9

How are the computers and their accessories maintained?

The campuses have separate systems administration division for maintenance of the computers. The System Administrative Officer is in-charge of this department. The department looks into the needs and the maintenance and upkeep of all the computers belonging to the University.

Trained staff are recruited and are taking care of centralized server and common computer facility. They

look after the regular installations and requirements of the routine computer related works. In case of new requirements, the Facilities Management Division (FMD) processes the provision of such resources and their management.

There is an Annual Maintenance Contract (AMC) for the upkeep of the systems.

Does the University avail of the National Knowledge Network connectivity? If so, what are the services availed of?

4.3.10

National Knowledge Network connectivity is available at the School of Engineering & Technology. The following are the details:

- 1 GB Connectivity

- Work on Inter-connectivity is under progress
- Budget – 50 lakhs

Does the University avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

4.3.11

Yes, the University gains access to these resources. There is a stipulated policy for Internet usage.

Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the University.

4.3.12

There is a Rs. 20 lakh allocation of budget for update, deployment and maintenance of computers in the University. There is an annual maintenance contract for the maintenance and repair of the systems which is duly taken care of by the systems administrators appointed by the University.

What plans have been envisioned for the gradual transfer of teaching and learning from closed University information network to open environment?

4.3.13

- Technology Enhanced Learning (TEL) by the Centre for Virtual Learning and Innovation has been implemented. This enables 24 x 7 learning and supplements, regular classroom teaching. In short a blended learning approach combining conventional and new learning approach through

the digitised lectures are made available online which can be accessed by the students at anytime, anywhere.

- One of the main strategies of Jain University is to convert the classrooms as space for learning rather than space for teaching.

4.3.14

MAINTENANCE OF CAMPUS FACILITIES

Does the University have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Each campus has been equipped with a facilities management division which takes care of the day to day maintenance of buildings, classrooms

and laboratories. Cleaning and maintenance process is outsourced.

4.3.15

How are the infrastructure facilities, services and equipment maintained? Give details.

Yes. There is a separate Facilities Management Division (FMD) which looks after provision of resources, their management and repairs.

- The System Administration Department is responsible for the maintenance of the computers and Internet.
- The equipment in the laboratories are managed by the lab staff and

attendants.

- The cleanliness of the campus is ensured by the house keeping staff.
- The lift operators are in charge of the repair and service of the lifts.
- The electricians and plumbers attend to electricity and sanitation in the campus.

OBSERVATION OF PEER TEAM:**Library as learning resource**

- Library is partially computerised and EASYLIB and LIBSYS are used for library management.
- There is no adequate budget allocation for the libraries.
- The total number of titles, volume and journals is limited.

IT Infrastructure

- LAN is limited

- Wi-Fi is not available in all departments

COMPLIANCES:-**Library as learning resource**

Library is completely automated with EASYLIB and LIBSYS software and has Internet facilities.

- Adequate budget has been provided to the Library & can be seen in the University budget.

A Total sum of Rs. 7,38,58,429 Crores has been spent on library resources. The Committee has noted in the Peer Team Report 2.6.4 that “Adequate Budgetary provision for Academic & Administrative activities is available”.

- There is adequate number of Titles, Volumes and Journals Response in 4.2.3

IT Infrastructure

- Every campus has leased line connections routed through proxy servers.
- Broad band width is 1GB in School

of Engineering & Technology under NMICTE, School of Sciences has 10 Mbps capacity and School of Management has 10 Mbps.

- Faculty members and Students can access computers through labs, libraries connected through Local Area Network, adequate number of Wi-Fi routers are provided in all the campuses.
- There are 2175 computer terminals.
- Wi-Fi is available in all campuses.



CRITERION V :
STUDENT SUPPORT
AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

5.1.1

Does the University have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

The University has a robust system in place for student support and mentoring. All the activities pertaining to student support services and mentoring are overseen by the Dean, Student Welfare. Every constituent unit has a Student Welfare Officer working under the Dean. The student welfare officers of the units along

with the allied staff cater to the requirements of the students. This Department focuses on the holistic development of the students and coordinates cultural activities, co-curricular activities, mentoring and counselling services in association with the Counselling Centre of the University.

5.1.2

Apart from classroom interaction, what are the provisions available for academic mentoring?

The basic academic mentoring happens through classroom teaching. Apart from this, mentoring takes place through:

- One-to-one student faculty interactions beyond stipulated class-room hours for additional guidance on topics.
- Remedial classes for slow learners
- Special support for students who need additional higher level skills/ inputs
- Tutorial classes
- Career counselling
- Guidance on Projects
- Faculty coordinating participation of students in workshops, seminars, conferences and other curricular and extra-curricular activities outside the campus
- Mentor-mentee programmes for the professional development of students

Does the University have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Yes.

All these schemes are available. The details are as follows:

1. Career Counselling and

Guidance: Offered by the Placement and Training Cell of the University, these programmes include

- a. Pre-placement talks called 'Pathways to Placement', career orientation talks where students are given information on different options available.
- b. Pre-placement training and personality development workshops such as mock written and oral interviews, workshops on communication and presentation skills, workshops on handling stress and emotional pressures.

2. Networking Opportunities and Motivational Programmes:

The Placement and Training Cell of the University has launched initiatives such as Words of Wisdom, a lecture series where industry leaders interact with the students and Inspiring Alumni series where successful alumni of the University network with its present students. Also, the Cell regularly organises networking conferences at all the campuses of the University.

3. Skill Development Workshops:

Special Skill Development workshops are organised for M.Phil and PhD. Some of the examples are:

- a. Workshop titled, Introduction to Data Analysis in Research: Learning to Use Software
- b. Research Conclave to facilitate interactive sessions for research guides and research students
- c. Annual research retreats
- d. Research Workshops on Data Collection and Data Analysis (Every month from December 2014 till May 2015).

4. Psychological Mental and Physical Well Being Programmes

- a. Workshop on handling emotions stress, professional stress and peer pressure and other issues faced by adolescents and youngsters conducted by Vishwas, the counselling Centre of the University.
- b. Awareness programmes on leadership, organisational skills and CSR arranged by NCC, NSS and Rotaract wings.

5.1.4

Does the University provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. Recommendation letters are given by the University for obtaining bank loans and from various financial and charitable institutions. The University also helps students to identify the banks.

5.1.5

Does the University publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

Updated prospectus and handbooks are published annually which give information about the courses offered, the extra-curricular activities, rules regarding leave and attendance, the calendar of events, various committees of the University, list of class teachers, list of holidays, code of conduct, list of faculty members and other relevant information required for the students and parents.

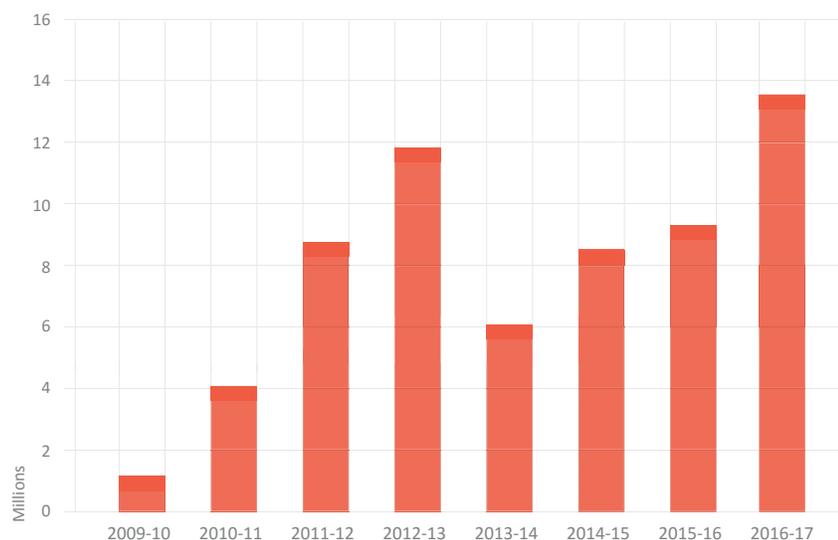
At the beginning of every semester, a course information booklet is published. This is specific to different courses and contains course overview, brief discussion of topics, questions and problems for each unit. This booklet also gives the calendar of events for that semester and also specifies model question papers. The tentative schedule of internal and University examination is also printed in the prospectus.

Specify the type and number of University scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil/Ph.D./Diploma/others (please specify).

5.1.6

Year	School of Engineering & Technology International Institute of Aerospace Engineering and Management	School of Commerce	School of Management	School of Humanities & Social Sciences	School of Sciences	Total
2009-10	536,740	-	490,000	-	-	10,26,740
2010-11	2,409,110	-	1,085,000	517000		40,11,110
2011-12	2,377,310	2,017,400	773,500	3448750		86,16,960
2012-13	3,926,230	5,832,250	728,500	89,810	1,176,500	1,17,53,290
2013-14	96,800	3,759,000	704,000	312,500	1,047,500	59,19,800
2014-15	2,00,000	6794000	420000	-	735500	81,49,500
2015-16	20,70,000	40,32,250	10,25,000	-	18,11,500	89,38,750
2016-17	35,48,820	60,18,000	16,50,000	4,00,000	17,83,180	1,34,00,000
TOTAL = 6,18,16,150.00						

Figure - Scholarships granted (2009-2017)



5.1.7 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

Approximately 90 students have received scholarships under this scheme.

5.1.8 Does the University have an International Student Cell to attract foreign students and cater to their needs?

Yes, there is a separate international student cell called International Students and Scholars Advisory Centre (ISSAC) to attract foreign students and cater to their financial requirements which is headed by an International Student Officer.

Their key responsibilities include:

- Coordinating overseas visits and participation in education fairs for counseling of prospective students.
- Liaising with overseas sponsor organisations, both private and government to identify funding opportunities for students
- Liaising with influencers such as the British Council, guidance counseling and careers advisors
- Handling prospective student enquiries at all stages of the student recruitment cycle
- Providing information for prospective international students,

tailored to specific countries via three-mailers, social media and other channels of communication

- Providing advice on key recruitment markets including education systems, qualifications, quality of local education institutions, student funding sources
- Ensuring the well-being and settlement of students once they have been admitted and offering support for legal procedures related to FRRO and other regulatory bodies for foreign nationals in India.
- Maintaining a track record of the progress of international students
- Facilitating events and interactions aimed at the development of international students.

5.1.9 Does the University provide assistance to students for obtaining educational loans from banks and other financial institutions?

Same as in 5.1.4

What types of support services are available for

* overseas students

The University has 384 students from 54 countries. The International Students and Scholars Advisory Center (ISSAC) under the guidance of the Joint Registrar of the University works with the administration and faculty to provide following services:

- a. Build friendship agreements with other educational establishments to facilitate interactions among international students
- b. Organising interactions for students with the ambassadors and representatives of their respective countries at the campus
- c. Assists overseas student and scholars to plan activities such as Orientation, International Students' Day and other events.
- d. International students are provided with residential and transportation facilities and medical assistance as and when required.
- e. Support is provided to students to deal with regulatory issues
- f. Counselling to overcome cultural differences
- g. Facilities to improve communication skills to students from non-English speaking nations.

- h. Provision of scholarships and bursaries for meritorious students

There is a proposal to provide access to digital section of the college library to overseas students.

* SC/ST, OBC and economically weaker sections

The students belonging to SC/ST and OBC categories are provided scholarships and encouraged to take admissions for higher studies in our University. Also, the institution facilitates the SC/ST students to get free ships from the government. There is an Equal Opportunity Cell in the University to ensure the needs of students from the weaker sections of the society are met.

* Physically challenged / differently-abled students

Jain University encourages differently abled students to take up the courses offered by the University. They are given preference in the use of facilities like lifts, canteens, cafeteria, library and the like. They are also allowed to record lectures in the classroom. Visually impaired students are provided with software "George" to enable them to download material.

In case any campus has differently abled student, they are duly registered with the University. These students receive special facilities such as transportation to the campus, especially, for the students of School of Engineering and Technology. The physically challenged

5.1.10

and differently abled students are also provided logistical support at all the campuses.

Health centre, Health insurance etc.

There is a regular health Centre at the School of Engineering and Technology which has the following facilities:

- Medical consultation and medication/treatment is given at the hospital on the campus.
- 24 hours medical services by resident doctors
- Specialized doctors including dentists visit the facility frequently.
- Ambulance services are provided for emergency cases.

At the other campuses, emergency medical facilities are immediately addressed. The authorities refer the

students for emergency medical needs to Mahaveer Jain Hospital with which the University has a tie up.

* Students participating in various competitions/ conferences in India and abroad

Guidance and financial support is given to deserving students on a case to case basis.

* Performance enhancement for slow learners

Tutorials and extra coaching classes are conducted for better performance of slow learners. The institution provides counselling to the students on case to case basis. Students with slow learning abilities are identified by the faculty members and such students are paid additional attention.

5.1.11

Does the University provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

The University encourages faculty and students to take up competitive examinations. Relevant materials are placed in the library for reference. The principal officers of the University counsel the faculty members and encourage them to take up NET/ SLET. This has resulted in an increased number of faculty members taking up these examinations. Also, special

advisory programmes are undertaken to provide students with the information about these examinations and strategies to clear these exams. Many of the students who are a part of NCC have cleared Defence Services exams and are currently commissioned in the Indian Armed Forces.

Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

- * additional academic support and academic flexibility to prepare for examinations
- * special dietary requirements, sports uniform and materials
- * any other (please specify)

The following provisions are in place for students to support sports and extracurricular activities:

➔ Students are awarded scholarships and freeships for their commendable achievements in sports. They are sponsored for tournaments both within and outside the country.

➔ Students participating in sports are also provided flexibility in the compulsory percentage of attendance. The University organises facilities such as special classes and coaching to assist these students to prepare for examinations.

➔ The students of the University excelling in sports are felicitated.

➔ The Sports Department of the University trains the students with talent for sports to participate in competitive sports. It also provides logistical support to the sportspersons such as training kits, uniforms and other relevant support. The teams have been participating in the inter-collegiate tournaments at the college/ University/state as well as at the All India level and have witnessed remarkable success. The University has also produced sportspersons of international repute. The sports department conducts competitions both intra and inter-University

competitions. Some of the examples are:

- Arena, an annual sports event conducted for the students of Jain University.
- VIE was initiated in the year 2000 under the inspirational tutelage of Dr. Shankar U V, the Sports Director for the University. It is an annual event.
- Apart from 'VIE', the international sports fest, the students participate in various competitions and bring laurels to the institution. The encouragement provided by the University has translated into our sportspersons participating in prestigious championships such as the Olympics, and various other national and international championships.
- Outstanding sportspersons have been rewarded for excellence in their chosen fields. The Sports Department aims to become the best at both national and international levels and continue to produce world-class sportspersons.

5.1.13

Does the University have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

Yes, there is a centralised Placement and Training Cell which coordinates all the placements activities of the University. The students are oriented to career-path through pre-placement talks, pathway to career programmes, training in etiquette management, facing an interview and developing entrepreneurship skills.

5.1.14

Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

School of Humanities and Social Sciences

Year	Registered	Eligible	Placed	Percentage
2009-10	30	30	28	93.33
2010-11	26	26	23	88.46
2011-12	19	19	16	84.21
2012-13	23	23	19	82.60
2013-14	13	13	11	84.61
2014-15	12	12	12	100
2015-16	15	13	12	92.31

School of Sciences

Year	Registered	Eligible	Placed	Percentage
2009-10	155	155	148	95.48
2010-11	161	161	152	94.40
2011-12	131	131	124	94.65

2012-13	143	143	136	95.10
2013-14	110	110	103	93.63
2014-15	89	89	84	88.62
2015-16	182	175	164	93.71

School of Engineering & Technology

Year	Registered	Eligible	Placed	Percentage
2009-10	169	129	125	96.89
2010-11	218	180	164	91.11
2011-12	241	161	150	93.16
2012-13	264	125	106	84.80
2013-14	235	235	232	98.72
2014-15	200	200	191	95.50
2015-16	185	130	126	96.92

School of Commerce

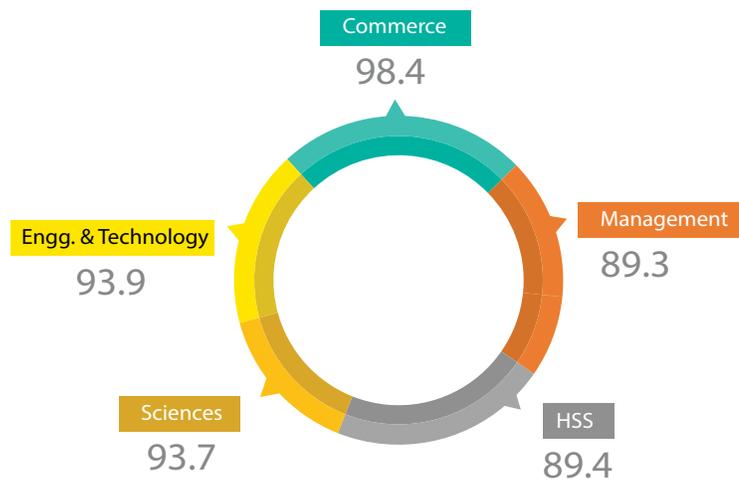
Year	Registered	Eligible	Placed	Percentage
2009-10	372	372	369	99.19
2010-11	350	350	344	98.28
2011-12	375	375	369	98.4
2012-13	365	365	357	97.8
2013-14	362	362	355	98.06

2014-15	354	354	345	97.46
2015-16	398	386	384	99.48

School of Management-UG & PG

Year	Registered	Eligible	Placed	Percentage
2009-10	80	80	63	78.75
2010-11	189	189	164	86.77
2011-12	221	221	205	92.76
2012-13	162	162	140	86.41
2013-14	136	136	121	88.97
2014-15	296	296	281	94.93
2015-16	365	346	334	96.53

Figure - Faculty wise placement details (average percentage)



The following is the partial list of companies which visited the campuses		
Acculogix Software Solutions Pvt. Ltd	Fenesta	Ernst & Young – Assurance
Amazon	Stovekraft	Tesco PLC
ANSR	Sycone	Goldman Sachs – Operations
ANZ	Times Inc	Goldman Sachs – Human Resource
Bonanza Group	SAP Labs	AMBA RESEARCH
Bose	Saraswat Bank	Amazon – Transaction Risk
Capgemini (Off campus)	Simplilearn	Amazon – Sellers Support
Careernet	Societe General Global Solutions Ltd.	Deloitte
Cognizant	Supreme GridTech	KMPG –Audit Associate – UK
Decathlon (Off campus)	Tally	KMPG –Audit Associate – US
Deloitte	TCS	Ernst & Young – Taxation
E & Y (off campus)	Teach for India	KMPG – Global Delivery Centre
E&Y – India (Assurance)	Teamlease (off campus)	GTSSC
E&Y – India (Taxation)	TESCO	TARGET
Edutech	The Writers Block	DHFL
Federal Bank	Thomson Reuters	L&T INFOTECH
Fidelity	Valuleaf	WIPRO
Firstnaukri.com	Lava International	Goldman Sachs – Operations Internship
Genius Corner	Magnasoft India Pvt. Ltd.	LITTLE GYM INTERNATIONAL
Global Vision	Mahindra Satyam	WealthRays Securities
Godrej	Mon Chateau	Accord Software
Goldman Sachs	Mydeals24	Audi Motors
Goldman Sachs (Pre internships Offer)	National Instruments	BOSS
Google	Newbridge	Cegedim

The following is the partial list of companies which visited the campuses		
Grant Thornton (Articleship)	NTT Data	Design Esthetics
HDFC Sales	Oracle	IBM
Hewlett Packard	Practo Technologies Pvt Ltd	E2e Projects
iGate	Protiviti	Infiniti Research
ING Vysya	PWC (Articles – Assurance)	Infosys
iPrimed	PWC (Indirect Tax)	Microsoft
ITC Hotels	Recruise	NTT Data
ITC Infotech India Limited	Way2Wealth	NxtGen Tech.
J P Morgan	Wells Fargo	Onskies Media
Kotak Securities Ltd.	Wipro	OTIS
KPMG (Analyst – Audit)	Zomato	PRDC
KPMG (Off Campus)	Readiminds	Prime focus
KPMG India	Sobha Developers	Razorthink
A.O. Smith India Water Products Pvt. Ltd	Aakash Educational Services Pvt. Limited	ABB India Limited
ABC Consulting	Accenture	Adarsh Developers
Amazon	Aviva Life Insurance	Brigade Group
Britannia Industries	Capgemini Consulting India Pvt. Ltd.	Cargill
eLitmus Evaluation Pvt Ltd	EpaathSala	GVK Biosciences Pvt. Ltd.
Hinduja Tech Limited	Indigo	Infosys
L & T Constructions	Schneider Electric	SKF Group
Audi	Sobha Developers	Razorthink

Does the University have a registered Alumni Association? If yes, what are its activities and contributions to the development of the University?

Yes.

The University has an Alumni Association. Each of the schools conducts the alumni meet once a year. During the alumni meeting interactions take place between the faculty and alumni about the various aspects of functioning and performance of the University and the alumni give valuable suggestions and inputs. These inputs are taken into consideration and incorporated for further growth of the University. The School of Management has released a directory of the telephone numbers, names and e-mail ids of the alumni. The alumni who have incubated companies through the University's incubation center meet periodically and share their experiences with the mentors to further strengthen the entrepreneurship

center. The alumni are involved in the following:

- Facilitating the training and placement of students
- Entrepreneurship development and incubation of companies
- Arranging get-togethers and networking activities
- Providing constructive feedback on curriculum on the basis of their professional experience.

The Alumni of Jain University have been playing an active role in promoting sports in India through the support they extend to the students of the University. Seven Olympians, five-hundred international players, and four-thousand national players have come out of Jain University till date.

5.1.15

Does the University have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes.

A specific process has been laid down by the University as a result of which there is a platform for redressal of grievances.

The Student Grievance Redressal Cell takes care of the various student grievances in consultation with Dean (Student Welfare) across Schools. Some of the grievances which are

common to all the Schools are teaching learning issues, problems among student peers, infrastructural problems and the like.

An effort is made to sort out all grievances amicably. A record pertaining to the nature of grievances has been maintained by the Cell.

Detailed in Student Welfare Documents.

5.1.16

5.1.17

Does the University promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment?

Give details

The University has a fair percentage of women faculty members and students. There are strict policies in place which keep the environment free of any kind of harassment or disregard towards women. The women employees are ensured equal opportunities in all areas of work.

Most unit heads are women and many women faculty members are on the boards of policy and decision making bodies of the University.

The women students are encouraged to take part in co-curricular, extra – curricular activities and sports. Special programmes related to gender

sensitization, women empowerment, women's rights and women's participatory roles are conducted by Vasudha, the Women Cell of the University on each of its campuses.

Besides, an Anti-Sexual Harassment Cell has been established to redress any grievance which arises with sensitivity and utmost confidentiality. Certain preventive measures to maintain discipline and code of conduct have been formulated such as use of separate staircases and elevators by girls and boys and prescribed dress codes.

5.1.18

Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, there is an anti-ragging cell in the University. As of now no incidents of ragging have been reported on campuses. Every student has to

mandatorily sign an undertaking declaring that any act of ragging would be construed as a criminal offence before being admitted.

5.1.19

How does the University elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The stakeholders of the University are the students, the parents, faculty and non-teaching staff, suppliers of educational tools and kits, society, industry peers and potential employers.

STUDENTS:

The University conducts orientation

session for its new batch of students after every intake to integrate them into the system. Besides, additional briefing sessions are held to inform students about the academic functioning in their respective classrooms, evaluation

and assessment systems. The students are also provided with copies of the prescribed Syllabus to give them insight into the courses they are about to undertake. Regular feedback is obtained from the students about the curriculum and teaching methodologies being used in the classrooms.

FACULTY:

Faculty members form the core team for designing syllabus and evaluation of academic programmes. The University also has mentorship programmes where each faculty is in-charge of 20 students. The mentor undertakes counselling for the students, with respect to academics, personal issues, career and emotional issues and helps in their overall development.

The newly appointed faculty members are appraised of all the functional aspects of the University, the expectations and their role as lecturers during a day-long orientation workshop conducted by competent authorities.

The Heads of the Departments and senior faculty are involved in the preparation of the calendar of events, strategic planning and the best practices along with the Centre Heads. The Department Heads conduct regular meetings for their respective departments during which they take feedbacks on policy issues, strategic decisions and provide required guidance to their subordinates.

PARENTS:

The parents are appraised of the functioning, the activities and the approaches to the curriculum in

the University on the first day of re-opening in orientation programmes. The orientation programme also has a session where the parents can interact with the President of Jain University and other senior officials.

Apart from the orientation, interactive sessions are regularly conducted for the parents where they are appraised of the academic progress of their wards and any issues of concerns regarding the students are shared with their parents and guardians by the HODs and faculty members. Besides, the progress reports are sent to them through e-mails, sms and conventional mails.

The non-teaching staff are involved at each stage of the process and play a vital role in maintaining all academic records and documentation as per the guidelines.

ALUMNI:

Alumni actively participate in functioning of their Alma Mater and provide valuable inputs. Some of the ways in which they are engaged with the University are by delivering guest lectures, providing internship guidance and sharing constant updates on new developments in the industry.

EMPLOYERS:

Feedback is taken from various recruiters on a regular basis and the University organises regular networking sessions to ensure that the employers see themselves as a partner in student development rather than just as recruiters.

5.1.20

How does the University ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

The Sports Department of Jain University ensures equity in participation of both boys and girls in the sports. The University encourages the women who are talented to participate in different fields of sports and has produced a number outstanding sportswomen who have participated and won laurels at Olympics, International, National, State and Varsity level sports. Also, women students are provided with all the opportunities of participating in cultural and technical competitions and events.

Female staff members accompany them to venues for competition outside the University.

The impressive list of the prize winners and the participants in various extra-curricular activities speak of the participation of the women students in these activities. The healthy participation of women may be attributed to the absence of gender bias and the encouragement opportunities given to the women students by the University.

Some of the women students who have made us proud are:

Shikha Tandon	International Swimmer
Sonam Deep Kaur	Indian Basketball Player
Shilpa Rao	Indian Athlete
Poorva Kiran Shetye	International Swimmer
Surabhi Tipre	Swimmer
Jacqueline Rose Kunnath	Badminton
Jesse Sandeesh	Athletics
Shruthi B Patil	Shooter
Poorvisha Ram	Badminton
Surabhi Pathak	Shooter
Shanu Suresh	<ul style="list-style-type: none"> • Ms. South India • Salute Women Award 2014, Given by Global Pravasi Malayali Council

Anate Augustine	<ul style="list-style-type: none"> • Kerala State Film Award for Best Actress (2013) • 61st Filmfare Awards 2014 South Best Actress • Jai Hind Film Awards 2013 – Best Second Actress • Vanitha Film Awards 2011- Best New Face (Female) • Asianet Film Awards 2010 –Asianet Film Award for Best New Face of the Year (Female) • Surya Awards 2011 – Best Female New Face of the Year
Amritha Rao	<ul style="list-style-type: none"> • B High Graded Artist at All India Radio (AIR) • Associated with Shankar Mahadevan Association
Ananya Bhagath	'A' Grade artist
Swetha Mallikarjun	Play back singer
Manjula Surendra	A Grade artist
Bindu Subramaniam	Popular Singer
Meenakshi VKR	Swimming
Shruthi Mahalingam	Swimming
Poorva Shetye	Swimming
Sushaka Prathap	Swimming
Damini Gowda	Swimming
Srinidhi Shetty	Miss Supranational 2016

What is the student strength of the University for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Student strength response in question no. 2.1.6

5.1.21

Student Progression	
UG to PG*	63%
PG to M.Phil.*	13%
PG to Ph.D.	12%
Ph.D. to Post-Doctoral	1%
Employed	87%
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	

5.1.22

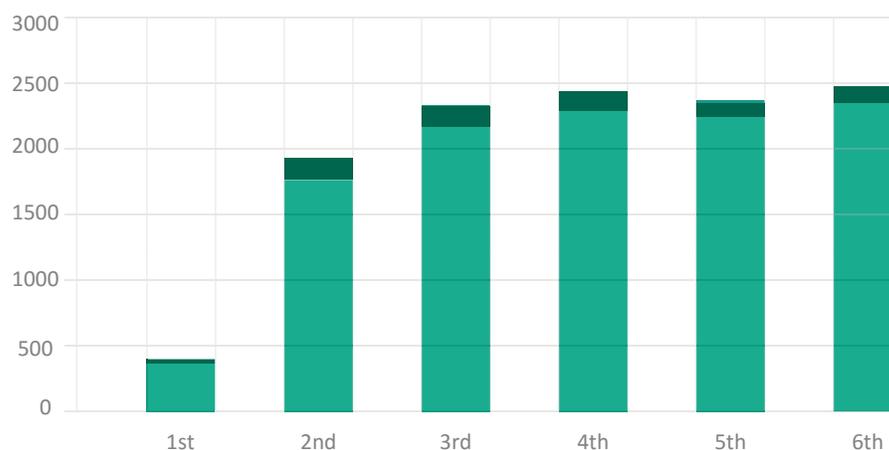
What is the programme-wise completion rate during the time span stipulated by the University?

On an average 90% is the completion rate for all the UG programmes & 95% in the PG programmes.

The University has so far conducted 6 annual convocations the details are as follows

Convocation	Year	Students who graduated
1 st Convocation	October 2011	378
2 nd Convocation	September 2012	1881
3 rd Convocation	November 2013	2281
4 th Convocation	November 2014	2422
5 th Convocation	December 2015	2374
6 th Convocation	December 2016	2422

Figure - Number of students graduated till date



The following are the success rates of the students:

UG 2010 – 13 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
BA	73	64	9	87.67
B.Sc	82	75	7	91.46
B.Com	997	931	66	93.38
BCA	98	95	3	96.94
BBM	489	402	87	82.21
BMS	33	31	2	93.94
BID	34	33	1	97.06

G 2011 – 14 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
BA	58	50	8	86.21
B.Sc	60	57	3	95.00
B.Com	855	781	74	91.35
BCA	68	62	6	91.18
BBM	513	467	46	91.03
BMS	43	43	0	100.00
BID	51	51	0	100.00

UG 2012 – 15 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
BA	43	40	3	93.02
B.Sc	43	36	7	83.72
B.Com	802	715	87	89.15
BCA	98	81	17	82.65
BBM	471	417	54	88.54
BMS	36	34	2	94.44
BID	63	62	1	98.41
Forensic Science	23	21	2	91.30
Animation	33	32	1	96.97

UG 2013– 16 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
BA	85	68	17	80
B.Sc	112	90	22	80.36
B.Com	583	523	60	89.71
BIBF	29	27	02	93.10
BCA	76	69	07	90.79
BBM	483	448	35	92.75
BMS	51	48	03	94.12
BID	58	50	08	86.21

PG 2011 – 13 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
MA - English	13	11	2	84.62
MA - Dance	6	6	0	100.00
MA - Music	7	7	0	100.00
MA - Economics	9	9	0	100.00
M.Com	21	21	0	100.00
M S Communication	17	16	1	94.12
M.Sc - Physics	36	34	2	94.44
M.Sc - Biotechnol- ogy	9	9	0	100.00
M.Sc - Microbiology	7	7	0	100.00
M.Sc - Biochemistry	9	9	0	100.00
M.Sc - Psychology	26	25	1	96.15
M S IT	18	18	0	100.00
MCA	18	15	3	83.33
MBA	118	104	14	88.14

PG 2012 – 14 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
MA(English)	13	13	0	100.00
MA(Economics)	14	07	07	50.00
MA(Music)	06	06	0	100.00
MA(Dance)	07	07	0	100.00
M.Sc(Physics)	38	26	12	68.42
M.Sc(Biochemistry)	12	12	0	100.00
M.Sc(Microbiology)	12	12	0	100.00
M.Sc(Biotechnology)	08	08	0	100.00
M.Sc(Psychology)	29	28	01	96.55
M.Sc(Forensic Science)	08	08	0	100.00
M.Com	39	30	09	76.92
MCA	17	09	08	52.94
MS(IT)	27	25	02	92.59
MBA	89	65	24	73.03

PG 2013 – 15 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
MA - English	17	17	0	100.00
MA - Dance	9	7	2	77.78
MA - Music	6	5	1	83.33
MA - Economics	6	6	0	100.00
M.Com	39	35	4	89.74
M S Communication	12	12	0	100.00
M.Sc - Physics	11	11	0	100.00
M.Sc - Biotechnology	11	11	0	100.00
M.Sc - Microbiology	30	30	0	100.00
M.Sc - Biochemistry	6	6	0	100.00
M.Sc - Psychology	21	21	0	100.00
M.Sc - Animation	10	10	0	100.00
M.Sc - Forensic	6	6	0	100.00
M.Sc - ISMS	49	46	3	93.88

COURSE	APPEARED	PASS	FAIL	% AGE
M.Sc - SCT	35	35	0	100.00
M S IT	54	46	8	85.19
MCA	21	21	0	100.00

PG 2014-16 Batch

COURSE	APPEARED	PASS	FAIL	% AGE
MA - English	38	34	04	89.47
MA - Dance	09	09	-	100
MA - Music	06	06	-	100
MA - Economics	22	22	-	100
M.Com	44	39	05	88.64
M.Com FA	12	12	-	100
M S Communication	30	30	-	100
M.Sc - Physics	24	21	03	87.50
M.SC-IBT	12	12	-	100
M.Sc - Biotechnology	13	12	01	82.31
M.Sc - Chemistry	13	13	-	100
M.Sc - Microbiology	15	15	-	100
M.Sc - Biochemistry	11	11	-	100
M.Sc - Psychology	31	29	02	93.55
M.Sc - Animation	06	05	01	83.33
M.Sc - Forensic Science	17	15	02	88.24
M.Sc - ISMS	17	17	-	100
M.Sc - SCT	17	17	-	100
M S IT	23	22	01	95.65
MCA	17	17	-	100
MMS	91	83	08	91.21
MBA	266	175	91	65.79

B.E. 2009-2013 Batch

Course & Branch	2009-2013 Batch			
	APPEARED	PASS	FAIL	% AGE
BE (AE)	7	7	0	100.00
BE (CS)	54	53	1	98.15
BE (CV)	39	39	0	100.00
BE (EC)	117	113	4	96.58
BE (EE)	40	40	0	100.00
BE (IS)	45	45	0	100.00
BE (ME)	59	59	0	100.00

B.E. 2010-2014 Batch

Course & Branch	2010-2014 Batch			
	APPEARED	PASS	FAIL	% AGE
BE (AE)	34	34	0	100.00
BE (CS)	53	46	7	86.79
BE (CV)	44	44	0	100.00
BE (EC)	89	83	6	93.26
BE (EE)	33	32	1	96.97
BE (IS)	43	41	2	95.35
BE (ME)	57	54	3	94.74

B.E. 2011-2015 Batch

Course & Branch	2011-2015 Batch			
	APPEARED	PASS	FAIL	% AGE
BE (AE)	43	43	0	100.00
BE (CS)	47	45	2	95.74
BE (CV)	41	40	1	97.56
BE (EC)	80	69	11	86.25
BE (EE)	34	30	4	88.24
BE (IS)	31	29	2	93.55
BE (ME)	40	40	0	100.00

B.E. 2012-2016 Batch

Course & Branch	2012-16 Batch			
	APPEARED	PASS	FAIL	% AGE
BE (AE)	25	25	-	100
BE (CS)	56	55	1	89
BE (CV)	23	19	04	82.6
BE (EC)	54	48	06	88.88
BE (EE)	08	07	01	87.5
BE (IS)	07	07	-	100
BE (ME)	73	64	09	87.6

M.Tech 2011-2013 Batch

	APPEARED	PASS	FAIL	% AGE
Avionics	12	12	0	100.00
Aerostructures	8	8	0	100.00
Computer Science & Engineering	38	36	2	94.74
Energy Engineering	14	14	0	100.00
Energy Management & CCT	10	10	0	100.00
Digital Signal Processing	23	23	0	100.00
RF Communication	14	14	0	100.00
SP & VLSI	25	25	0	100.00
Thermal Engineering	6	6	0	100.00

M.Tech 2012-2014 Batch

	APPEARED	PASS	FAIL	% AGE
Avionics	3	3	0	100.00
Aerostructures	1	1	0	100.00
Computer Science & Engineering	39	35	4	89.74
Energy Engineering	11	11	0	100.00
Energy Management & CCT	4	4	0	100.00
Digital Signal Processing	7	7	0	100.00
RF Communication	5	5	0	100.00
SP & VLSI	15	15	0	100.00
Thermal Engineering	5	5	0	100.00

M.Tech 2013-2015 Batch

Course & Branch	APPEARED	PASS	FAIL	% AGE
Avionics	10	10	-	100
Aerostructures	12	12	-	100
Computer Science & Engineering	21	21	-	100
Energy Engineering	06	06		100
Energy Management & CCT	09	09	-	100
Digital Signal Processing	09	09	-	100
RF Communication	08	08	-	100
SP & VLSI	09	09	-	100
Thermal Engineering	06	06	-	100
Embedded System Design	12	12	-	100
Networking and Internet Engineering	06	06	-	100

M. Tech 2014-16 Batch

Course & Branch	APPEARED	PASS	FAIL	% AGE
Avionics	03	03	-	100
Aerostructures	13	13	-	100
Computer Science & Engineering	09	09	-	100
Energy Management & CCT	07	07	-	100
Digital Signal Processing	02	02	-	100
RF Communication	01	01	-	100
SP & VLSI	05	05	-	100
Thermal Engineering	08	08	-	100
Embedded System Design	09	09	-	100
Networking and Internet Engineering	03	03	-	100
Aircraft Propulsion	05	05	-	100
Software Engineering	04	04	-	100
Building Science Technology	07	07	-	100
Food Technology	11	11	-	100

5.2.3

What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

The following is the status of students appeared/qualified in competitive exams

Examination	Appeared	Qualified
UGC-CSIR-NET	43	07
UGC-NET/ SLET	12	08
GATE	168	114
CAT	336	01
GRE	483	221
TOEFL	536	261
GMAT	36	11
Defense	24	12
Civil Services	09	01

5.2.4

Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

	Submitted	Awarded
Ph.D	271	120
M.Phil	147	147

STUDENT PARTICIPATION AND ACTIVITIES

5.3

List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation

5.3.1

Cultural and extracurricular activities are encouraged in all the constituent units of the University.

- VIE- the Annual International Sports Fest
- Inter-University sports competitions.
- Sports competitions for different campuses.
- Co-curricular activities - – student seminars, projects, paper presentations, research paper presentations and the like.
- Extra-curricular activities –

Corporate Expo, Science Expo, Tarusamskriti, Anveshana, Samanvaya, Precipice, Cranium, Threshold and the like.

- Jain University emerged overall champions in the All-India Inter-University Aquatic Championship 2014.
- The University finished with a tally of 154.5 points, finishing ahead of Delhi University (131 points), and VTU, Belgaum (97). Jain University women swimmers regained the women's title which we last won in 2012, tallying 106 points.

Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.

5.3.2

There are about 90 various awards won by the students of the University

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
1	Life Sciences - Ashwin V M	Christ University	Cartooning- 3rd Prize	2010
2	Life Sciences - Shruthi , Pruthvi, Parvathi	Christ University	Pot Pourri- 1st Prize	2010
3	Life Sciences - Hemanth, Nagabhishek, Abhishek	Christ University	Treasure Hunt	2010
4	Life Sciences - Payel, Suzanna, Ashwini	Christ University	Collage	2010

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
5	Life Sciences- Shalini, Shreyas, Hrithwik	Christ University	Quiz- 1st Prize	2010
6	Life Sciences - Anitha , Harshitha, Rekha, Archana	Christ University	Flower Arrangement - 1st Prize	2010
7	Life Sciences - Arpitha, Ashwini .G	Christ University	Debate-1st Prize	2010
8	Life Sciences - Swethavalli, Shreyas	NMKRV College	Lecture	2010
9	Life Sciences - Vaishnavi, Rishitha, Ashwini.G	NMKRV College	Poster Making	2010
10	Life Sciences- Parvathi, Prithvi, Shruthi	NMKRV College	Dumb Charades	2010
11	Life Sciences- Namratha, Arpitha	NMKRV College	1st Prize, Best Paper	2010
12	Life Sciences- Manasa B, Manasa S, Richa	NMKRV College	Model Making	2010
13	Life Sciences- Chaitanya, Abhijeet	NMKRV College	Lecture	2010
14	Life Sciences- Atul, Sanjana, Gnyanada	NMKRV College	Quiz	2010
15	BCA- Sheshank, Suraj, Supriya, Guruprasad, Sunil Jain	Christ University	Rolling Trophy for IT fest	2010
16	Chemistry- Pavithra, Shreyas, Rutwik, ShruthiKini	Christ University	Overall Championship	2010
17	Physics- Sundar M N, Akshaya, Kusuma	NMKRV	Physics - Intercollegiate Fest and won Overall Trophy	2010
18	Biotechnology Debasmita Maiti	Jain University	1st Prize, Best poster	2011
19	Biotechnology Prerana V	Jain University	1st Rank, Gold medal	2011
20	Microbiology R. Ranjini	Jain University	Awarded Best Poster Presentation.	2011
21	Microbiology Rekha Sethi	Agricultural Engineering College and Research Institute, TNAU, Coimbatore	Awarded Best Oral Presentation	2011
22	Microbiology Rekha Sethi	SK University, Anantapur	Awarded Best Paper Presentation	2011
23	Microbiology Vijayalakshmi P.	Tamilnadu Agricultural University, Coimbatore	Awarded Best Paper Presentation	2011

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
24	Kamalini C.	K.S.G. College of Arts and Science, Coimbatore	Awarded Second Place for Paper Presentation	2011
25	Microbiology Vijayalakshmi P.	Research Retreat	Awarded Third Place for Paper Presentation	2011
26.	Physics Asha Rajiv	Research Retreat	Awarded First Place for Paper Presentation	2011
27	Chemistry - Parvathi, Pavithra, Shreyas Rutwik , Shruthi, Kini	St.Joseph's College	1st & 2nd Prizes	2011
28	Chemistry - Arpitha	BMS College for Women	Lecture competition - 3rd Prize	2011
29	Chemistry - Akshaya, Kusuma	BMS College for Women	Salt analysis - 2nd Prize	2011
30	Chemistry - Ashwini V M	NMKRV College	Lecture Competition - 1st Prize	2011
31	Chemistry - Arpitha S	NMKRV College	Lecture Competition - 3rd Prize	2011
32	Biotechnology Prashanthi. K	Acharya Inst. Of Technology)	2nd Best Poster	2012
33	Life sciences Anitha et al	BHU	1st Prize, poster presentation	2012
34	Microbiology Apoorva Prabhu	1st Rank, MSc, Jain University	1st Rank, gold medal	2012
35	Microbiology Rekha Sethi	Department of Biotechnology, Sridevi Institute of Engineering and Technology, Tumkur, Karnataka	Awarded BEST ORAL PRESENTATION	2012
36	BID- Pranav	Mount Carmel College	CUL-AH! cultural fest	2012
37	BID Nandita Iyengar, Khatija Ruman, Sri Raksha Singeri, Chaitali Jain	Pidilite company	Pidilite Award for Best Designers	
38	Physics - Adarsh A & Sharath K	(IASC)	Participated & identified asteroids in International Asteroid search project and contributed to the scientific data	2012
39	Life Sciences - Kashyap	NOVOZYMES	Debate	2012

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
40	Life Sciences - Archana, Niveditha, Minal	St. Joseph's College	Poster Making	2012
41	Microbiology Bhargavi Sharma	Biologist Forum of India, Chennai	2nd Best poster	2013
42	Vedashree	1st Rank, MSc, Jain University	1st Rank, gold medal	2013
43	Biotechnology Anitha	Dept. of Biosciences, Brindavan College, Bangalore	Awarded BEST PAPER PRESENTATION	2013
44	Sports - Aloknand.R		<ul style="list-style-type: none"> • All India National Fencing Championship • All India Inter University Fencing Championship • (Silver and Bronze Medal) • 6th All India Inter University Fencing Championship 	2013 2013
45	Physics- Adarsh A, Anupama	National center for Radio Astrophysics (NCFR) of TIFR, Pune	Radio astronomy Winter school	2013
46	Arts- Ms Priyanka MB	National Level Graduate Conference held by NMKRV College	Best Paper Award "Her curve to activate his mesocortical dopamine limbic pathway"	2013
47	Life Sciences - Shreyas, Pramodh, Priyanka	Christ University	Quiz	2013
48	Life Sciences - Shreyas, Praveen, Simran	Christ University	Pictionary & Collage	2013
49	Life Sciences - Nitish, Javed, Preethi, Noorsakina	Christ University	Quiz	2013
50	Physics - Sowrabh, Rishov Mukherjee	St. Josephs College	Quiz-1st Prize	2013
51	Physics - Sowrabh, Rishov Mukherjee Utkarsh Srivastava,	Christ University	Quiz- 2nd Prize	2013
52	Physics - Sowrabh Utkarsh Srivastava	Christ University	Debate-2nd Prize	2013

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
53	Greeshma - BA (III sem) Suraksh Das- BCA (V sem) Satish B - BA (V sem) Sneha Venkatachalapathy - BSc (I sem) Manjushree – BSc (I sem) Amitha Vasista - BSc (I sem) Sristy Agrawal – BSc (III sem)	St. Joseph's College Bangalore University	<ul style="list-style-type: none"> • First place in State Level Drama Competition • “Bharatyatra Kendra” • First place at University fest “Ondu Bogaseya Neeru”, won first place at Bharathyatra Kendra. • Best actor – Suraksh Das • Best actor in supporting role - Satish B • Best actress –Sneha Venkatachalapathy • Jury Award - Manjushree 	2012-2013 2013
54	Chemistry- Suma. Soundarya, Shreyas Pooja	St. Joseph's College	Quiz Competition-2nd Prize	2013
55	Sports - Nishreyas		<ul style="list-style-type: none"> • 7+ Nationals in sport Fencing in both Junior and Seniors • 24th Senior National Fencing Championship at Jammu, J&K • All India Inter University fencing championships. • Winners in 6th All India Inter University Fencing Championship as 1st Runner -Up by bagging 4 medals at Punjabi University, Patiala. 	2009 2013 2013 2014
56	Apporva Krishna BBA	<ul style="list-style-type: none"> • Spicmacay and Doordarshan • Karnataka Fine Arts Council • All India Radio 	<ul style="list-style-type: none"> • Shiek Chinna Moulana Yuva Puraskar • Kalavanta Award • 1st prize 	2013 2014 2012
57	Sports - Dharvya		100 Awards at State and National Level	

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
58	Vrinda Mohta	Bioneers 2014 at JU	2nd best poster award	2014
59	Bharadwaj	1st Rank, MSc, Jain University	1st Rank, gold medal	2014
60	Bhavya J Dept. of Biochemistry	M.S.Ramaiah College of Arts, Science and Commerce	Bioblooms -2014 Best Poster presentation award	2014
61	Greeshma - BA (III sem) Suraksh Das- BCA (V sem) Satish B - BA (V sem) Sneha Venkatachalapathy - BSc (I sem) Manjushree – BSc (I sem) Amitha Vasista– BSc (I sem) Sristy Agrawal – BSc (III sem)	St.Joseph's College of Commerce	2nd place in Drama Competition	2014
62	Physics- Adarsh A, Anupama	Radio Astronomy center, Ooty, Tamil Nadu	Pulsar Observatory for students	2014
63	Electronics- Anupama, Rishov, Sowrabh Utkarsh, Adarsh, Tarun	Vijaya College	Overall Trophy- CHARGE-14	2014
64	Raj Bharath Swaminathan BBA	Mercedes Benz	Mercedes Benz Young Star Driver	2014
65	Commerce	IIMB	Recognition	2013-14
66	Commerce	CIMA	Grey Sells- Regional level Winners	2013-14
67	Commerce	GBC	Qualified for National level Competition	2014
68	Ms.Sangita Gupta, Doctoral Student of Jain University	The IACT International Conference, Dubai	Best Paper Award	2015
69	Raghavendra S, Anmol Dhandhanian and Pratik M Yerane	The Innovative Additive Manufacturing 3D (IAM3D) Challenge held in Boston, USA	Runners-up in "Best Verbal Presentation"	2015
70	Commerce	Aircel and Harvard Publishing	Selected for 'Aircel-Harvard Campus -to-Corporate Certification' Program	2015
71	Vaishanavi V. Sharma Commerce		Won the Miss Bengaluru 2016 Beauty Pageant	2016

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
72	Sheetal Kesari Commerce		Won Title in Miss Elegance	2016
73	Trishala Srinivas Commerce		Won Title in Miss Beautiful	2016
74	Ananthu Unnithan and Ronil Jain Commerce	Dell	Selected among the Top Five in Campassador Program	2016
75	Haroon Faisal N Commerce	Stock MIND Season 4	Winner of StockMIND Season 4 – College Round	2016
76	Cpl Rishabh Kumar, Cdt Ranvir Singh, Cdt Vyshak A M, Cdt R Roopesh	The Ministry of Defence, India.	Conferred with Commendations from the Deputy Director General	2016
77	Jain University Basketball Men & Women teams	Jabong	Won the NBA JAM 2014	2015
78	Waghmare Aniket Engineering	Universal Martial Arts Trust	Second Place in 10th All India Kumite Open Championship-2015	2015
79	Alfin V P Commerce	Punjabi University, Patiala	Gold Medal in Shot put event at the 76th All India Inter University Athletics (Men & Women) Championship 2015-16	2016
80	Jain University Cricket Team	Saveetha University	Won in the Final of the South Zone inter-University Cricket Championship	2016
81	Meghana Sajjanar Commerce	State Shooting Championship, held at SAI Campus, Bangalore	1 Gold and Silver Medals	2016
82	Ms.Madhu Kesarkar Commerce	Suvarna Channel	Won the Season 1 of the show, Action Star and also won weekly challenges more than twice in the same	2016
83	Sidharth Raj Commerce	Yeahmobi	Winner of Krazy Bee Industrial Trip to China	2016

S. No	Name and Department	Name of agency giving the award	Name of Award / recognition	Year
84	Akash K Singh and Chondamma Commerce	Doordarshan Chandana	Won in the Quiz Show named "Prashan Manch"	2016
85	Mr. Manojavam Management	Radio City 91.1	The Runners up in the Super Singing, Season 8 Competition	2016
86	Students of School of Commerce Studies	Bishop's Cottons Women's College Fest - DISHA 2016	Won in 15 events	2016
87	Nikhil Sanjeev Commerce	Bangalore Times	2 nd Runner up for the Oppo Fresh Face Event	2016
88	Swetha Venkat and Manali Sunil Desai Arts	Global Volunteer of AIESEC Colombo Central	Selected for Global Citizen Program Project FORTE in Central Colombo	2016
89	Mohammad Ajmal Commerce	South Zone Shooting Championship 2016, held at Madurai, Tamil Nadu	Won Silver Medal in 50m Free Pistol Event	2016
90	Ms. Shruthi P Gangakhed Biotechnology	Novozymes a Biotechnology Company	Won 2 nd Runner Up Position in "Voice for BT" and also a cash prize of Rs.10,000/- and one month Internship programme at Novozymes	2016

5.3.3 Does the University conduct special drives / campaigns for students to promote heritage consciousness?

Monument preservation camp of NSS: Every year the NSS unit conducts special drive to promote heritage consciousness. They have visited Rangasthala, Devrayanadurga,

Hampi, Badami in the past four years, cleaned the heritage site and helped in reconstruction of some of the dilapidated structure. Given below is an example:

Programme	Monument Preservation Camp
Venue	Rangasthala
Date	7 th March 2010
No. Of Volunteers	50
Duration	1 day
Visit to the Ranganathanathaswamy Temple at Rangastala near Chikkaballapur which is 600 years old and conducted a one day monument preservation camp by cleaning the area in and around the temple and the faculty gave a brief explanation about Indian architecture.	

How does the University involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

5.3.4

Yes, the University encourages the students to publish materials like catalogues, wall magazines, college magazines.

The University has a quarterly journal "Adventure" which showcases the achievements of faculty & students across the constituents.

The details of other magazines and journals brought out by individual departments are as follows:

- Pulse (Physics)
- Disha (Mathematics)
- Wall Magazine (Arts)
- Transient (Electronics)
- Atom (Basic Sciences)
- Sparni – e magazine (Aerospace)
- Samvardhinee (Sanskrit)
- Reflections (English)
- E – Studio (Animation)
- Aabhaas (Hindi)
- Jeevamshu (PG Science)
- Thinklet (Research)

Does the University have a Student Council or any other similar body? Give details on its constitution, activities and funding.

5.3.5

There is no formal student council. All the students are involved in all the activities of the University either directly or indirectly. However, each class has a class representative who addresses the students' issues and reports to the concerned authorities.

5.3.6

Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

Student representatives are inducted on rotation basis in various academic and administrative bodies. They represent the student community in research committee, curriculum design and development committee, IQAC, Cultural Committees, Grievance Redressal Cell, Equal Opportunities Cell, Women's Cell, Counselling Unit, Anti-sexual Harassment Cell and other important bodies of the University.

ACADEMICS

They participate in deliberation on curriculum design and development and give their inputs on making the curriculum globally competent to enhance employability.

RESEARCH:

As a part of the research committee members, the students and scholars present the collective requirements and expectations of their peers to the concerned authorities. They are also represented on the editorial boards of University newsletters and magazines.

ADMINISTRATION

The students are actively involved in co-curricular and extracurricular activities as organisers. They take leadership roles in the conducting various cultural fests, exhibitions, seminars, workshops, conferences and guest lectures. They also play a significant role in formulating policies of various committees by presenting concerns of the students.

OBSERVATIONS OF PEER TEAM:

Student Progression

- No mechanisms for mapping of students performance.

COMPLIANCES:

Student Progression

- There is a well-structured mechanism for mapping of students performance
- Every student is monitored by class teacher and the head of the department.
- Regular and periodical assessments of the students are made to track their performance.

- The mapping is reflected in the end results of semester examinations
- Mentor- Mentee system is very rigorous and regular.
- Progression records are maintained in the respective schools.
- Results are posted on website
- SMS are sent to the parents informing about their performance
- Parent-teacher meeting is conducted in each semester to appraise the performance of their wards.



CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1

State the vision and the mission of the University

VISION

“Nation building through excellence in Quality Education, Research and Entrepreneurial Development.”

MISSION

- To provide quality education, creating human assets and intellectual capital.
- To enhance research and development in different disciplines.
- To develop a new generation of entrepreneurs who will be instrumental in fuelling economic growth.
- To create able leaders, managers and technocrats.
- To foster an ethical environment in which both the spirit and skill will thrive based on human values.

6.1.2

Does the mission statement define the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution’s tradition and value orientations, its vision for the future, etc.?

All the attributes mentioned in the vision and mission are reflected in different programmes of the University like academics, sports, research and extension activities. The thrust of the University is to deliver education in consonance with modern trends, efficient and innovative curriculum, scientific methodology and latest techniques. The institutions have strived to be Centers of Excellence in the Basic Sciences, Advanced

Sciences, Humanities, Commerce, Management, and Engineering ultimately to raise the standard of education in the country with a view to train human resources for growth and development in the country. Innovation, Research and Development is a continuous process in the organization where emphasis is being laid on enhancing and developing the skills of students and exposing them to emerging

development in their respective fields. The faculty members are into research and academic development activities and organize and attend workshop

and seminars both at national and international levels to enrich the research programmes in the emerging areas.

How is the leadership involved

* in ensuring the organization's management system development, implementation and continuous improvement?

The management system of the University has been developed along the following lines:

The Board of Management, the Planning & Monitoring Board, the Academic Council and the Finance Committee are the decision making bodies of the University. They have the overall responsibility for the smooth and efficient functioning of the University.

The continuous improvement in academic and administrative matters is

facilitated through:

- Annual Academic audit
- Performance based appraisal system
- Quality enhancement measures
- Student feedback
- Periodic revision of curricula
- Introduction of innovative programmes
- Suggestions put forth during council meetings

* in interacting with its stakeholders?

The vision and the objectives of the University are transmitted to the stakeholders in various ways. Faculty of the University, learners in the University, parents and guardians of the learners, prospective employers and the wider society are all sensitized to these objectives.

- The leadership of the University is actively involved in orientation programmes. Learners who enter the portals of the University and their parents are exposed to the objectives and the core

values of the University through informational brochures and handbooks which are prepared in consultation with the senior officials.

- The Center Heads of the constituent units act as Liaison officers between the management, students and staff.
- The parents are free to meet them to discuss the progress or issues of their wards. All student grievances are effectively addressed.

6.1.3

- Formal and informal meetings of the center heads with the students
- The decision making bodies take into account student feedback while formulating policies
- Alumni meetings with the management
- The management and senior officials play a key role in organising seminars, workshops and other events.

*** in reinforcing a culture of excellence?**

- Support and encouragement for faculty to upgrade their qualifications
- Emphasising on faculty development programmes
- Establishing research centers. Six such centers have been already established.
- Encouraging projects in emerging areas
- Facilitating introduction of new programmes in emerging areas
- Entering into research collaborations/ funding from industry and R&D institutions
- Thrust on sports and extramural activities
- Maintaining a strong focus on Entrepreneurship and getting involved directly in the mentorship programmes for entrepreneurs

*** in identifying organizational needs and striving to fulfill them?**

- Improving infrastructure requirements as per the needs
- Facilitating digital transformations such as the Technology Enhanced Learning (TEL)
- MoUs with national/ international organizations and universities

6.1.4

Were any of the top leadership positions of the University vacant for more than a year? If so, state the reasons.

No. All the vacancies are filled as and when they arise.

Does the University ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

6.1.5

Yes.

The University ensures that the positions of various statutory bodies are filled. Meetings of various statutory bodies are conducted regularly.

Meetings are conducted as per the UGC regulations and all the statutory bodies are in place. External experts from industry and academia are drawn for expert inputs. Till now 17 Board of Managements Meetings, 16 Planning and Monitoring Board Meetings, 22 Academic Council Meetings, 20 Finance Committee Meetings, 53 Standing Committee Meetings have been held.



Academic Council Meeting in Progress

Does the University promote a culture of participative management? If yes, indicate the levels of participative management.

6.1.6

Yes.

There is a culture of participative and proactive management in all these statutory bodies as mandated by UGC. Participative management can be seen in academic, administrative and research activities. There is an inverted pyramid model which adapts

the bottom up approach. The faculty members give their suggestions to the HoDs who in turn deliberate with the Deans of Faculties. The Deans place all these suggestions in the periodical meetings of the Deans' Council for necessary implementation.

6.1.7	<p>Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support and encouragement given to them to become autonomous.</p> <p>Not Applicable</p>		
6.1.8	<p>Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?</p> <p>Not Applicable</p>		
6.1.9	<p>How does the University groom leadership at various levels? Give details.</p> <table border="0"> <tr> <td> <p>Potential leaders are identified and trained to develop innovation competence and managerial competence. Talents are recognised and trained in time management. The institution believes in grooming leaders through identifying, developing and retaining talented employees. Talents are recognised through skill analysis, redeployment and mentoring.</p> </td> <td> <p>The University allocates mentors to such faculty/staff identified for leadership positions. The mentors coach their mentees and provide them with guidance and support when they assume leadership positions. Another method used by the University is to identify the training needs and nominate faculty/ staff identified as potential leaders for training programmes.</p> </td> </tr> </table>	<p>Potential leaders are identified and trained to develop innovation competence and managerial competence. Talents are recognised and trained in time management. The institution believes in grooming leaders through identifying, developing and retaining talented employees. Talents are recognised through skill analysis, redeployment and mentoring.</p>	<p>The University allocates mentors to such faculty/staff identified for leadership positions. The mentors coach their mentees and provide them with guidance and support when they assume leadership positions. Another method used by the University is to identify the training needs and nominate faculty/ staff identified as potential leaders for training programmes.</p>
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How are the following values reflected in the functioning of the University?

- Contributing to national development
- Fostering global competencies among students
- Promoting the use of technology
- Inculcating a sound value system among students
- Quest for excellence

The academic and other activities of University is framed keeping in mind the core values of national

development, fostering global competencies and inculcating a sound value system coupled with the promotion of use of technology.

What percentage of programmes offered by the University follow:

1. Contributing To National Development:-

The University through its knowledge dissemination is producing required manpower in various areas, is involved in capacity building, carrying on projects of national and international importance and has signed MOUs with Universities, Industries and Research organisations. The University has dedicated bodies to promote entrepreneurship and an incubation cell to assist start-ups.

2. Fostering Global Competencies Among Students:-

The University is fostering global competencies through the Postgraduate and Undergraduate courses in innovative and emerging areas which influence the world at large. The research at the University caters to both local and global requirements. The University has been

able to attract and retain international students providing a multi-cultural environment on campus. Our students acquire the necessary skills to be relevant in any part of the globe.

3. Promoting the Use of Technology:-

- The University has a Center for Virtual Learning and Innovation engaged in promoting digital learning through programmes such as Technology Enhanced Learning (TEL).
- Use of technology and visual aids in teaching learning.
- The Wi-Fi enabled campus to facilitate blended learning
- Research and consultancy in advanced technologies
- Programmes such as Bachelor of Science with Computer

Science as core subject, Bachelor of Computer Application, Master of Computer Application, Master of Information Technology with electives in emerging areas in these domains.

- Compulsory paper on computer fundamentals for students pursuing courses like B.A, B.Sc and B.Com.
- Research based programmes in Aerospace Engineering and Technology and Emerging technologies to promote new technologies and research in various domains of engineering

4. Inculcating a Value System among the Students:-

Addressing the need to equip students with requisite knowledge and skills to strengthen their mental and psychological faculties, a course titled “Mind Management and Human Values” has been introduced to the students of Jain University. The initiative behind conducting this course is to create an individual, who is,

- Intellectually alert (through Mind Management and Human Values modules)
- Morally upright (through Short, Silent, Educational and theme based films)
- Physically strong (through Outbound Learning Programmes)

Also, interactive sessions are conducted to enable the students to learn life-skills and to create awareness about our national history, culture, social responsibilities and human

values.

5. Quest for Excellence:-

The University strives to achieve excellence in academics, research, and allied activities. Ongoing research is innovative and of societal, national and global relevance. The teaching –learning activities reflect new pedagogies to ensure quality education.

Excellence is reflected in sports at the University. The sports department has produced many Olympians and sportspersons of international repute who have brought great laurel to not just the University but also to the nation. Excellence has also been achieved in fostering entrepreneurship through academic programmes and activities of the Chenraj Roychand Centre for Entrepreneurship which has incubated more than 40 companies and produced several entrepreneurs. The University’s pursuit of excellence is reflected by the following recognitions:-

- ✓ Ranked 22nd among the top 50 Universities in India in the India Today Nielson Survey, June 2012
- ✓ Ranked 17th among the top 50 Universities in India in the India Today Nielson Survey, June 2013
- ✓ Ranked 21st among the top 45 Universities in India in the India Today Nielson Survey, June 2014
- ✓ Ranked 20th among the Top 50

Universities in India, 5th among the top private universities in the India Today Nielson Survey, July 2015.

- ✓ Awarded 4 stars out of 5 by ICare Ratings, KSURF, an initiative of the KHSEC, Govt. of Karnataka.

**Awarded ISO 9001:2008
Certification by TÜV Rheinland**

- Jain University has been awarded the prestigious ISO 9001:2008 certification by TÜV Rheinland. The scope of the ISO Certification includes “Design and Development of

Course Curriculum, Conduct of Examinations, Management of Evaluation process, Award of Degree Certificates, Management of Programme delivery at Undergraduate, Postgraduate and M.Phil / Ph.D / other Research Programmes at constituent Schools and Research Centers as per UGC regulations”

Jain University is a member of

- The Association of Indian Universities (AIU), and,
- The Association of Universities of Asia and the Pacific (AUAP).

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1

Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

* Vision and mission

Yes .

The University has a perspective plan for development. It is prepared once in 5 years incorporating the suggestions of the think tank in a phased manner. A perspective plan was prepared for the period between 2010-15 and another plan has been prepared for the period between 2016-20. The University has formulated Vision 2020 building on the strategic plans developed in 2010 which helps in achieving sustained growth, greater resource mobilization and their effective utilization.

The strategic plan comprises the following six verticals which guide the University to be :

- an academic innovation driven University.
- committed to research and innovations
- driven by shared social and economic goals having an impact on the society.
- fostering Entrepreneurship
- committed to environmental sustainability.
- engaged with diverse communities.

* Teaching and learning

The University has made conscious efforts to strengthen all faculties / disciplines after conferment of Deemed-to-be-University status by introducing several PG and Doctoral programmes most of which are in innovative and emerging areas. The Board of Studies of respective departments recommends detailed courses of study and curriculum for different levels for their respective disciplines. When required the Board of Studies brings to the notice of

the Academic Council or Standing Committee matters connected with examinations in its respective subject and addresses them on any matters related to improvement in the courses of studies therein. The Academic Council is responsible for preserving the quality of all the academic activities undertaken by the University. Specifics include safeguarding the standards of teaching, learning, research and all the related activities. These bodies plan in depth for :

- Changing curriculum
 - Improving infrastructural facilities for quality teaching.
 - Strengthening curricula so as to
- make students globally competitive
- Introduction of innovative programmes.

* Research and development

The Postgraduate, M.Phil. and Ph.D. programmes of the University caters to the global standards. The University has created research centers involved

in cutting edge and frontier research activities of national importance. The consultancy projects of the University lay thrust and emphasis on national development.

* Community engagement

The University's Community Radio station called – **RADIO ACTIVE CR 90.4 MHZ**, is a platform for different communities to converge/unite, share ideas, encourage creative expressions, raise issues (civic and social rights), promote local talent, foster local traditions and sensitize the people and policy makers on issues of importance.

community development, eco awareness, leadership – training camps, inculcation of human values, voluntary blood donation camps, Gandhi Jayanti, HIV / Aids awareness programmes, monuments preservation camp, adolescent behaviour survey, mega eye camp, youth week celebrations, Sadhbhavana Sammelana and the like.

Radio Active is committed to:

- Ensuring access to and encouraging participation in the medium of community radio
- Widening community's involvement in broadcasting.
- Promoting and popularizing Indian heritage, art and culture
- Sharing skills, knowledge and insights
- Networking with organizations and groups towards a common purpose
- Engaging in community driven self-sustaining projects.

The Rotaract Club of the University is also involved in community service, professional service, international service and club service. They are also involved in creating awareness on environment through tree plantation drives, fostering national integrity through Independence Day celebrations, create awareness on social issues through anti- tobacco drives, anti-drug abuse drives etc. The club has also joined hands with Janagraha, an NGO and the parent Rotary organization and has been involved in polio vaccination camps, blood donation camps and other community development programmes.

The NSS Wing of the University is involved in various activities for

*** Human resource planning and development**

Faculty members are recruited in keeping with the HR policy of the University in the event of vacancies.

*** Industry interaction**

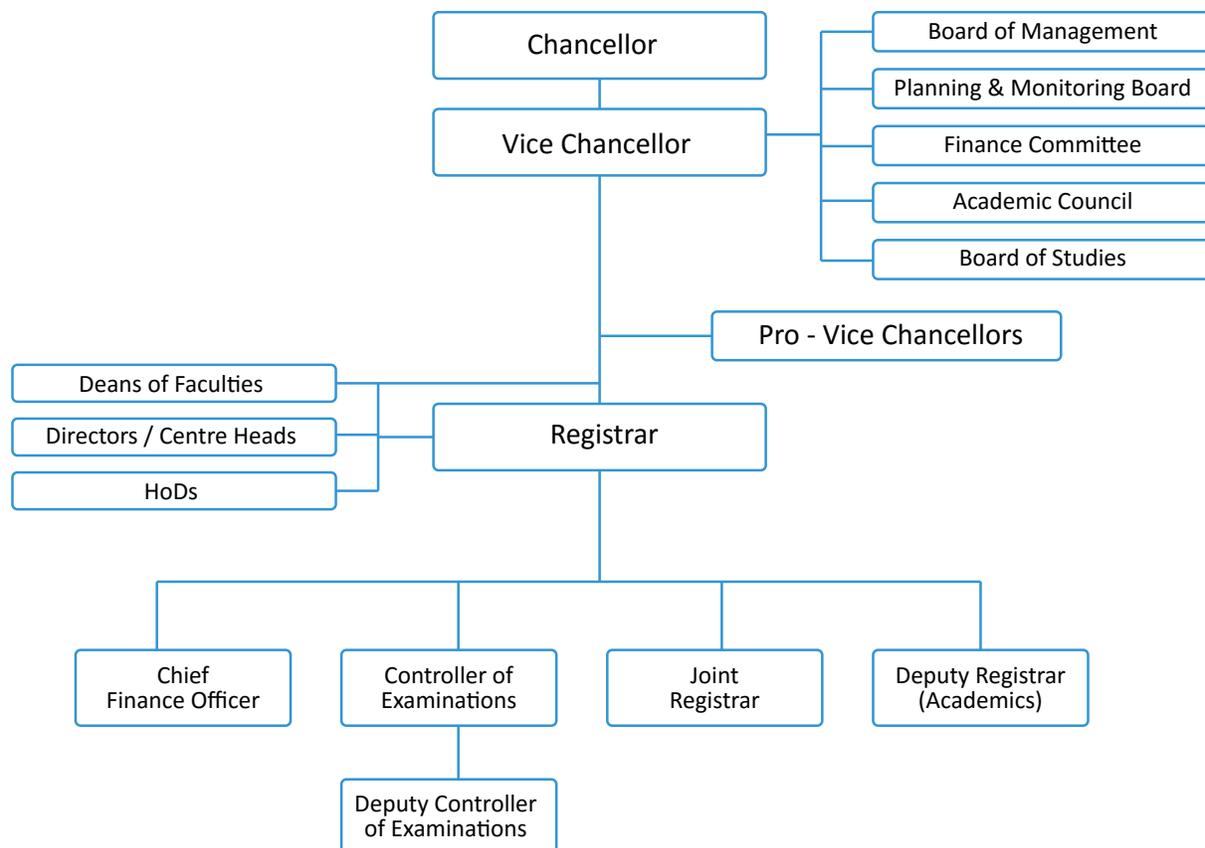
The University has MOUs with industries for research and consultancy. We have about 70 industry associations and more than 20 certifications. The industry peers are consulted before updating the curriculum.

*** Internationalisation**

Jain University has entered into collaborations with various international organisations and industries for research, consultancy and formulation of curriculum which are suitable for global standards. We have attracted international students from more than 40 countries creating a global culture on our campuses.

6.2.2

Describe the University’s internal organizational structure and decision making processes and their effectiveness.



6.2.3

Does the University have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Yes.

The institution has very effective coordination and monitoring mechanisms.

a. Internal Quality Assurance

Cell (IQAC): The Internal Quality Assurance Cell (IQAC) takes care of all quality measures to be implemented in the University. All the quality initiatives of the University are routed through the IQAC. The Quality Circle of the University identifies the areas that need improvement, formulates and implements suggestions in consultation with various stakeholders.

b. Academic Monitoring Cell

(AMC): The University has an Academic Monitoring Cell chaired by the Director, Academics & Planning. The Cell oversees all the academic programmes at the University and coordinates with the Deans and Center Heads. Every unit prepares an academic calendar in consultation with the center head well in advance. Accordingly classes are planned and time table is constituted. Faculty members are expected to record their day to day work in the form of templates which comprise of lesson plans, course content, lecture delivery document and lecture summary document.

These documents are scrutinized by the respective departments once in 15 days and made available for the center head at the end of each month. The templates serve as a document of transparency and accountability of the teaching learning process. Periodic meetings are held at the department and unit levels to ensure the progress of teaching learning. The AMC oversees the academic activities and new academic initiatives in the University.

c. Research Development Cell

(RDC): The Research Development Cell of the University is chaired by the Pro Vice Chancellor Research and has all the Head of the Centers for Research and Deans of Faculty as members. External experts from different domains are also members of the RDC. In each faculty, a Research Development Unit has been created which oversees research activities within the faculty. Approval of research projects is done by the RDC. The RDC also oversees the Ph.D. and M.Phil programmes of the University.

d. Academic Resource Group: It

takes care of the student placement, training for placement activities, internships and summer jobs for the students. They also take care of the add-on courses which enrich the main curriculum of the University.

	<p>The group is mainly involved in bridging the gap between the industry and the academia.</p> <p>e. Center wise review meetings</p>	<p>are conducted by the Vice Chancellor to review the administrative and academic process and their respective compliances.</p>
<p>6.2.4</p>	<p>Does the University encourage its academic departments to function independently and autonomously and how does it ensure accountability?</p> <p>Yes.</p> <p>The University encourages the departments to function independently and autonomously as per the stipulated guidelines. The day to day functioning of the departments is monitored by the</p>	
<p>6.2.5</p>	<p>During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?</p> <p>So far there have been no instances of court cases.</p>	
<p>6.2.6</p>	<p>How does the University ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?</p> <p>The University has formal mechanism to solve the grievances at all levels. The Dean, Students Welfare takes care of all the students' grievances. There are faculty members who are in charge of student grievances in each of the Schools. They solve the student grievances in consultation with the Dean (Student Welfare) and Center Heads. The same is</p>	
		<p>recorded and maintained. Ragging is strictly prohibited and there are no instances of ragging reported till date. The faculty grievances are duly addressed by the Center heads. The grievances of the other concerned stakeholders are also addressed by the respective authorities. This has helped in creating a better stakeholder relationship.</p>

Does the University have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

6.2.7

Yes, the IQAC of the University regularly collects feedback from all the graduating students on the aspects related to the curriculum, teaching-learning, infrastructure, research and innovation and support services at the

end of the semester. The feedbacks are analysed and necessary action undertaken wherever necessary. Analysis of student's feedback has helped in initiating several improvement measures.

Does the University conduct performance audit of the various departments?

6.2.8

Yes. The Director (Academics and Planning) of the University conducts regular Administrative and Academic audit to review the performance and

functioning of the constituent units and research centers. Besides this the IQAC also conducts academic audit every year as per the ISO audit regulations.

What mechanisms have been evolved by the University to identify the developmental needs of its affiliated institutions?

6.2.9

Not Applicable

Does the University have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

6.2.10

Not Applicable

6.3

FACULTY EMPOWERMENT STRATEGIES

6.3.1

What efforts have been made to enhance the professional development of teaching and non-teaching staff?

The professional development of teaching and non-teaching staff are ensured through the following:-

- Regular faculty development programmes
- Motivation to upgrade qualification. 50% of fee concession is given to the faculty registering for M.Phil/Ph.D.
- Faculty members are sponsored to attend national/international workshops.
- Encouragement to take up minor and major research projects
- Recognition and incentives for publications in indexed journals
- Performance Based Appraisal System

Steps involved for Professional development of non- teaching staff:

- Computer awareness training programmes
- Skill development programmes
- Communication skills training programmes
- Performance based appraisal system

6.3.2

What is the outcome of the review of various appraisal methods used by the University? List the important decisions.

The University has a self- appraisal system for the academic staff to identify the areas of concern as per the UGC guidelines. This is titled 'PBAS' or 'Performance Based Appraisal System'. It has been devised keeping in mind various factors like:

- i. Teaching hours of the faculty.
- ii. Knowledge upgradation.
- iii. Research oriented activities.
- iv. Organization of development activities.

- v. Attending seminars, workshops and conferences.
- vi. Paper presentations and research publications.
- vii. Research guidance.
- viii. Shouldering additional responsibilities.
- ix. Participating in community development.

The procedure for the review of PBAS is as follows:

- a. The appraisee is expected to fill the scores in the required format.
- b. The appraiser (i.e. HOD) for faculty members gives his/her scores.
- c. Finally, the Center Head scrutinizes the same and routes the suggestions made by the expert committee through IQAC.
- d. The Pro Vice Chancellor of Quality Initiative analyses the appraisal.
- e. Based on the observations and the requirements, faculty development programmes and other training programmes are arranged for the faculty members. Career progression and faculty recognition is based on these appraisal systems.

The appraisal is done twice a year, i.e. at the end of each semester.

What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

- Employees Provident Fund for all employees
- Rs. 50,000 plus Rs. 100,000 accidental insurance
- Free school education for children of staff members of the University
- Subsidized education at college level for children of staff members
- Free transportation for staff members of Jain Global Campus
- Group medical insurance for all faculty members upto a sum of 5 lakhs and non-teaching 2 lakhs.
- Encouraging faculty to pursue higher education M.Phil/Ph.D – incentives in the form of 1 increment for M.Phil and
- 2 increments for Ph.D
- 50% fee concession for faculty pursuing M.Phil. / Ph.D.
- Grant of registration fee for conferences/ workshops

6.3.3

- Subsidized lunch for faculty and staff at the Global Campus
- Housing facility for select faculty and staff in global campus (with free LPG/ phone/ internet connections).
- Recreation for staff members

70% of the staff members have benefitted from these schemes.

6.3.4

What are the measures taken by the University for attracting and retaining eminent faculty?

The University believes in recruiting and retaining highly qualified faculty. Care and caution is taken to choose the domain experts who have made an impact in their respective fields. They are given facilities to conduct research

and publish papers. They are also encouraged to go as resource persons to other institutions and the financial expenditures incurred are taken care of by the University. A number of eminent faculty are associated with the University.

6.3.5

Has the University conducted a gender audit during the last four years? If yes, mention a few salient findings.

There is no formal mechanism for gender audit. However, the University organises gender sensitisation programme for the women employees and girl students to make them aware of the various privileges and rights

conferred by the government and other legal statutory bodies. The University has conducted such programmes every academic year.

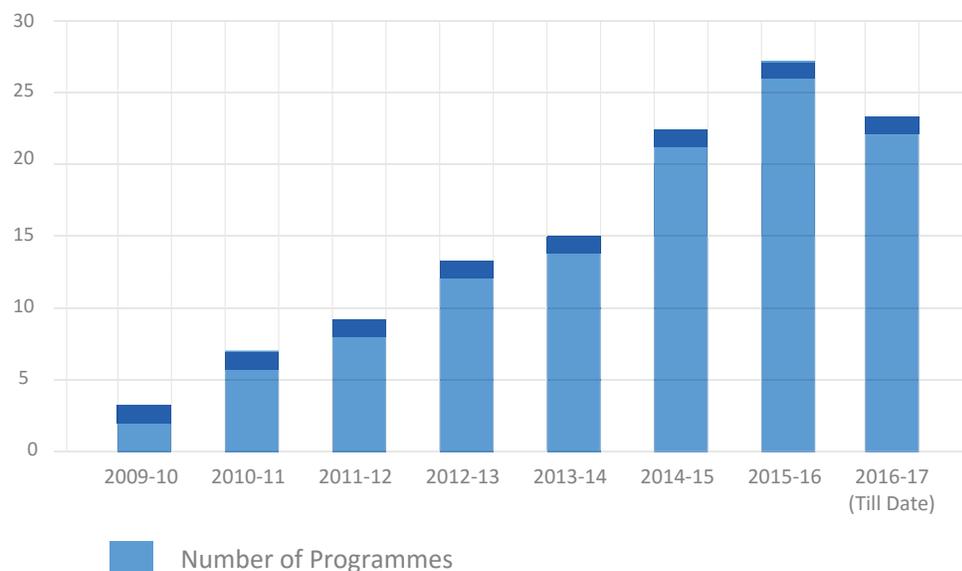
Response detailed in 6.3.6.

Does the University conduct any gender sensitization programmes for its faculty?

6.3.6

Yes, the Women's Cell of the University conducts relevant programmes regularly.

Figure - Gender sensitization programmes (2009-16)



What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the University faculty?

6.3.7

Staff training programmes are conducted by University's Academic Staff College. It is involved in organising regular faculty development programmes. Separate programmes are organised for freshers and experienced faculty members. The faculty development programmes are based on depth of knowledge, classroom performance, improving research aptitude and involvement in extension activities.

Impact of the programmes:

- The faculty members have realized the importance of keeping pace with the changing trends in their domains and have started attending more number of conferences / seminars / symposia
- Classroom performance of faculty members has seen remarkable improvement
- There has been an increase in the

number of faculty members who completed their PhD and also a good number of faculty members have registered for PhD / M.Phil.

- Most of the faculty members are

involved in extension activities like NCC, NSS, Rotaract and Corporate Social Responsibility initiatives.

6.4 INSTITUTIONAL VISION AND LEADERSHIP

6.4.1

What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The institution is self-financed and therefore, all courses run by the University are self-financed. The University is run by Jain University Trust. The institution is self-sufficient in terms of operational budget. It allocates

a budget with respect to infrastructure and learning resources. The budget is well planned and all the finance related activities go on according to this planned budget.

6.4.2

Does the University have a mechanism for internal and external audit? Give details.

- The Finance Committee monitors the financial performance of Jain University. It oversees the flow of funds and develops a budget for the University. The audited statements of account of the University also come under its purview. The Finance Committee is headed by the Vice Chancellor and comprises four other members,

out of which one is a Trust Nominee, two are the nominees of the Board of Management and one is the Member Secretary.

- The accounts of the University are regularly audited. Statutory external audit is conducted by professional auditor and chartered accountants at the end of the financial year.

6.4.3

Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

The accounts of the University are regularly audited. All the Financial transaction of the University is audited by the designated auditor, Mr. Sanjay Thayal. Every year both internal and external audit is carried out. To the best of knowledge there has been no major audit objection.

Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

6.4.4

Details in Annexure3

Narrate the efforts taken by the University for resource mobilization.

6.4.5

The University is a self-financed organisation. The main source of income is the tuition fees collected from the students. Deficit is compensated by Jain University Trust. Revenue utilization by consultancy and research project grants, sponsored projects also help in resource mobilisation.

Is there any provision for the University to create a corpus fund? If yes, give details.

6.4.6

Corpus fund is created (Details attached in Annexure4)

INTERNAL QUALITY ASSURANCE SYSTEM

6.5

Does the University conduct an academic audit of its departments? If yes, give details

6.5.1

Yes.

- The IQAC of the University has devised appropriate methodology to facilitate continuous quality assessment through student feedback, performance appraisal, grievance redressal system and internal audit of the constituent units. These help in assessing and improving the performance of faculty and students and to have a pragmatic view about the academic standards of the University.
- Administrative and Academic Audit (AAA) is conducted every year under the guidance of Director (Academics and Planning). It helps in monitoring the attendance, results of the students as well as in improving the qualification and publications by the faculty. This audit helps to obtain information about the functioning of the constituent units as well as is an appropriate methodology to facilitate quality assessment.

6.5.2

Based on the recommendations of the academic audit, what specific measures have been taken by the University to improve teaching, learning and evaluation?

The academic audit committee makes recommendations after the completion of the process of audit. Recommendations are made for improvement in teaching, learning and evaluation based on observations

specific to each unit. Appointment of faculty members are made based on these recommendations. Improvement is made in the procurement of lab equipment, lab facilities and up graduation of qualification.

6.5.3

Is there a central body within the University to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The IQAC is a central body within the University constituted as per NAAC guidelines. It includes Vice Chancellor as chairperson, senior administrators, deans, directors, senior faculty members, management representatives, industry experts, eminent academicians, student representatives, parents and non-teaching staff as its members. The IQAC continuously reviews the teaching learning process. The teaching learning process is also monitored on day to day basis by the concerned heads of the departments. The methodology, classroom performance and its relevance are recorded through student feedback. The points of weakness are discussed by Center heads. On a one to one basis

with the faculty members, the Center head discusses the ways and means of improving the teaching-learning process. The IQAC also asks the departments to submit the Calendar of events, strategic plans, budget and best practices every academic session. All these measures help in the appropriate planning of the teaching-learning processes. The IQAC of the University provides guidance and support to undertake all quality initiatives. During the review period from 2009-2016, the IQAC has processed a total of 16,810 student feedback forms. The average rating of teachers range from a minimum of 4 to a maximum of 7.

6.5.4

How has IQAC contributed to institutionalizing quality assurance strategies and processes?

The IQAC includes senior faculty members, distinguished educationists and representatives of local management and stakeholders. It has undertaken the following activities:

- (i) Students' feedback of the courses and the evaluation of teachers of the University departments is done using a twelve point scale on the parameters- course content, teaching-learning process and evaluation process.
- (ii) Self-Appraisal Form from faculty members.
- (iii) Academic Audit of the departments.
- (iv) Performance based appraisal of the faculty members twice in an academic session
- (v) Documents all the information and prepares AQAR every academic session
- (vi) The strategic plan booklet and annual best practices book are prepared by the IQAC

These initiatives have helped in reorienting the curricula towards skill and capacity building to link them with entrepreneurship development and employability

How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?

6.5.5

All the initiatives of the IQAC are placed before the University authorities for due approval. The initiatives are mostly about the implementation of new courses, infrastructural facilities, motivating the faculty to upgrade the

qualification and to increase the number of publications in reputed journals. Subject to the nature of initiative and subsequent decisions, the University statutory authorities implement them.

Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

6.5.6

The composition of IQAC has some eminent external experts. They are respectable personalities in the society and have wide experience in various fields. They attend IQAC strategy meetings and voice their opinions and give suggestions. They have been instrumental in giving constructive suggestions during departmental presentations.

External members have contributed significantly for quality enhancement.

Prof. Dwarakadasa- Chairman & MD, Karnataka Hybrid Micro Devices Ltd. (KHMD) and Retd. Prof. IISc. has been instrumental in initiating and advising to commence a course on metallurgy.

Prof V.K Vora, Former Director, Tata

Consulting Engineers Ltd.,
 Dr. G.S.D Babu, Director, M.P. Birla
 Institute of Fundamental Research,
 Prof Gururaja, Former Advisor for
 Ministry of New and Renewable

Energy, GoI and Former Senior
 Adviser, UN, have advised the
 University on strengthening the
 research initiatives and collaborating
 and networking efficiently.

6.5.7

Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

One of the important focus areas of IQAC is to undertake the result analysis of every discipline after the declaration of the results of the term end examination. There has been an incremental increase in the academic performance of students from disadvantaged sections. As a result of the measures adopted

for improvisation of the academic performance, it has been found that there is a marked difference in the performance at the entry and exit level of the students. It has been observed that these students have fared better after joining the University in their academic performance.

6.5.8

What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

The University's efforts towards Quality enhancement and sustenance of excellence has been through the collective wisdom and decision-making process facilitated by the Board of Management, Standing committee, Planning and Monitoring Board, Academic Council and IQAC of the University. Besides this the performance of the academic departments is reviewed annually by a team headed by the Vice Chancellor and senior principal office bearers of the University. This audit provides the departments a feedback on their strengths and weaknesses and the

impetus to enhance their functioning. The IQAC with the faculty members evaluates the overall performance of the college and discusses the difficulties, short comings faced and remedial steps to be followed for further improvement.

The University has formulated definite policies for the review of administrative and academic departments as under:

- Academic and Administrative Audit (AAA) of all the departments.
- Surveillance Audit by well-known external agencies TUV Rhineland for ISO 9001 : 2008.

- The IQAC conducts the performance based appraisal of all faculty members.
- Review of the functioning and progress of the research centers of the University.
- At the end of the academic year each department makes a power point presentation highlighting the activities and achievements.

OBSERVATIONS OF PEER TEAM:-

Faculty Empowerment Strategies

- Welfare schemes are not in the line with UGC guidelines/Govt. Rules.

Internal Quality Assurance System

- The Duties and Responsibilities of IQAC vis-à-vis other academic and administrative units have not been defined.

COMPLIANCES:-

Faculty Empowerment Strategies

- Welfare Schemes :-

Jain University is a self-financed private deemed University. A good number of welfare schemes have been introduced for the faculty. These include:

- ✓ Financial support and leave for participation in National / International Conferences. Grant of registration fee for conference / workshops
- ✓ As per UGC guidelines, increments for completion of Ph.D / M.Phil
- ✓ Employees Provident Fund and Gratuity for employees
- ✓ Rs. 50,000 life insurance, Rs 1,00,000 accident insurance and

medical insurance up to a sum of Rs 5 Lakhs

- ✓ Free-school & University education for children of staff members
- ✓ Free transportation for staff members
- ✓ Fee concession for faculty members pursuing M. Phil / Ph. D
- ✓ Housing facility for faculty and staff in School of Engineering & technology (with free LPG /Phone / Internet connection)
- ✓ Free Internet facility / library in all the campuses

Internal Quality Assurance System

The IQAC was established in 2009 at the very inception of the University in accordance with norms prescribed by NAAC. The IQAC includes senior faculty members, distinguished educationists and representatives of local management and stake holders. The duties / responsibilities of the IQAC has been very clearly defined. A handbook has been published outlining all the details of the IQAC. The activities and functions of the

IQAC are directly monitored by the Vice Chancellor.

- ✓ Students' feedback of the courses and the evaluation of teachers of the University departments are done. The same practice is followed for ISO audit also.
- ✓ Self-Appraisal reports from faculty members
- ✓ Academic Audit of the departments

✓ Performance based appraisal of the faculty members twice in an academic session.

✓ Documentation of all the information to prepare Annual Quality Assurance Report every academic year.

✓ Surveillance Audit TUV Rhineland for ISO 9001 : 2008



CRITERION VII : INNOVATIONS AND BEST PRACTICES

7.1 ENVIRONMENT CONSCIOUSNESS

7.1.1

Does the University conduct a Green Audit of its campus?

Yes.

The University conducts green audit of its campuses. One of the examples of this is the global campus where the School of Engineering and Technology is housed. It is an eco- friendly, lush green campus.

In its endeavor to lead from the front, Jain University decided to take a positive step to understand its own environment through a **carbon and water foot print** mapping exercise. The same was undertaken for the School of Engineering and Technology by the Center for Emerging Technology (CET). The purpose of the exercise was to measure the carbon footprint of the School and its hostel buildings, analyze its impact and identify the initiatives to help reduce this impact. The Green House Gas (GHG) protocol was

used to estimate the footprint. As stated earlier, the exercise includes University buildings and hostels based on the carbon footprint analysis, use of grid electricity, staff and student commute and paper consumption are the primary source of emissions constituting 55 %, 20 % and 10 % emission respectively. The green house gas estimation and reporting has been done in accordance with the guidelines laid down by Confederation of Indian Industries (CII) and ISO 14064.

Water Footprint : Only operational water footprint has been taken into consideration while calculating water footprint. On the basis of these findings the University proposes to carry out the same exercise in other constituent units and initiate remedial measures to achieve carbon neutrality.

7.1.2

What are the initiatives taken by the University to make the campus eco-friendly?

1. Energy Conservation:

- Use of energy efficient LEDs for lighting in the campus
- Provision of master switch in all the classrooms, to enable to switching off of all ACs/ lights, at the end of class..

2. Water Harvesting:

All the campuses have provision for rain water harvesting.

3. Urban Waste Management

Programme:

The waste management drive was started at the campuses of University and awareness programmes were conducted for the general public and schools. The programme is designed to sensitize and develop a community approach to waste management. It is important for the local public to comprehend and realize the complexity of the world they live in and make informed decisions and participate in the process of environmental conservation.

The Community Radio Service of the University, Radio Active has organized a number of programmes pertaining to urban waste management.

Solid Waste Management is affected through collection, segregation, recycle and disposal in a safe manner.

Awareness programmes were conducted on collection of food waste,

different kinds of waste, documentaries were screened on waste management, discussion of FAQ's on waste management and disposing sanitary waste were conducted.

Some of the special programmes conducted were:-Dastan-e-Nayandanahalli:-Exploring Nayandanahalli as an eco-system where waste is a resource.

Hazardous Waste Management is carried out regularly with the guidance of Radio Active the community radio station, NCC, NSS and Rotract units.

4. Check Dam Construction:

The campuses of Jain University do not require check dam construction.

5. Plantation of Saplings:

Every campus has a pleasing ambience with green plants. This not only enhances the aesthetics of the campuses but also helps in circulation of fresh air. School of Engineering and Technology has around 1100 trees.

INNOVATIONS

7.2

Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the University.

7.2.1

The University has created dedicated research centers which are involved in innovative research activities.

- **Fire Research:**

The Fire and Combustion Research Centre has conducted research activities in this domain. This has been considered as an achievement by Bhaba Atomic

Research Centre (BARC).

They have also developed Fire Retardant Materials.

- **Biomass Stoves:**

Two new biomass combustion technologies based on ejector action and Improved Ejector Induced Gasification have been developed at Jain University

based on ejection concept by the Centre for Disaster Mitigation.

- **Projects on Energy Conservation**

Center for Nano and Material Sciences, a dedicated research center of the University under the Faculty of Sciences has taken up projects on sustainable development to meet societal demands with respect to energy production, water treatment and health issues.

Admission:

The software “ERP package” developed by Jain University covers the entire spectrum of the University activities right from the time the student sends in his application for joining the course till the final degree certificate is issued. The package covers the all the academic activities including the placement and the administrative activities.

Teaching Learning process:

The University has a Center for Virtual Learning and Innovation

which caters to the needs of students with the help of web portal where they can access notes, digital lectures, question banks and assignments at the click of a button. Technology Enhanced Learning (TEL) provides vital resources to integrate educational and information technologies into the academic environment. It enhances the mobility and flexibility of the learning process and enables greater responsiveness to the needs of a new generation of learners.

Innovative Academic Programmes:

The University has devised 14 UG & 21 PG programmes in emerging and innovative areas including PG Diplomas in the domains of Engineering and Technology, basic physical and life sciences, commerce and management, liberal arts and social sciences, sports psychology, counseling psychology, Entrepreneurial skill and marketing strategies.

7.3 BEST PRACTICES

7.3.1

Give details of best practices which have contributed to better academic and administrative functioning of the University.

BEST PRACTICE -1

Short, Silent Educational and Theme Based films and Documentaries

Objectives of the Practice:

- To develop critical thinking skills such as keen observation, non-

judgmental assessment, comprehension, comparing, summarizing and interpreting

- To enable students to overcome stage fear and instill the vitality of team work

- To teach students the art of communication / presentation.
- To encourage creative thinking.
- To help students to learn how to observe, analyze, interpret and face various situations in their everyday life.
- To sow the seeds of social change in the young minds.
- To teach the students about initiative and leadership qualities through group activities.
- To teach students how to critically analyze and present their views
- To impart skills for discussions and debates
- To develop the value of empathy
- To create new perspectives on important social issues

Actual Practice

- Film analysis is as a group activity
- Critical viewing of short films
- Analysis, co-ordination and crisp presentation
- Observation of characters, expression and music
- Intense focused thinking, team spirit and creativity

Impact of the Practice:

- Awareness about Indian culture and heritage.
- Focused thinking, team spirit and creativity.
- Enhanced observation and concentration.
- Co-ordination in groups.
- New perspectives on important social issues.

- Long standing impressions on young minds.
- Corrections to wrong attitudes and notions.
- Wiping away Pseudo-modern concepts.
- Ability to correct mistakes and tackle issues

A short film titled “Why conserve natural resources?” was selected to be aired in Doordarshan Channel on 29th August 2015 as a social responsibility initiative.

Problems Encountered

- Clearance from government and governmental agencies
- Time consuming process

Resources Required

- Finance
- Technical equipment of broadcast quality
- Non-commercial artist

BEST PRACTICE 2

- Community Radio Station of Jain University

RADIO ACTIVE CR 90.4 MHz

- Title of the Practice: Social outreach through community engagement

Objective of the practice

- Engaging the community with sustained campaign
- Aiming at enriching the lives of people
- Involving the staff and students of the University to become a part of solutions to issues faced by the society

Actual practice

- Weathering the Change- planting of saplings and distribution of CFL in villages
- Aashithru- The Disability Show- challenged individuals-issues faced and provisions available for them.
- Making the City Cleaner- sensitizing public and intensifying the crusade against waste management.
- Solid Waste Management- collection, segregation, recycle and disposal in a safe manner.
- Supporting Women Entrepreneurs- training and exhibition to market their products.
- Right to Education- Awareness programme
- Universalization of Pension- briefing and bringing unorganized sectors together
- Training Programme for Scrap Dealers
- Single Mothers Network
- Animal Rights- Stray Pals- awareness of adoption and animal related issues
- Community Women Broadcasters Workshop- voice of women related issues
- Giving Voice to right based issues of Sexual Minorities
- Project Axshsya- community gathering to create awareness on TB with domestic workers
- Utsaha- motivate the children to participate in activities

Impact of the practice

- Maintaining rich and strong tradition to reach out to the community.
- Enrichment of the lives of people to varied programmes.
- Interaction with large section of society.
- Social networking and creation of a strong platform to discussed critical issues.
- Useful and impact oriented discussion on health, waste managements environment, scientific awareness, women and children issues, civic and social issues.

Problems Encountered

- Sensitizing the community
- Creating awareness

Resources Required

- Interested Faculty & Students

Other Best Practices of the University:

- Out Bound Learning Programmes (OBL)
- Chenraj Roychand Center for Entrepreneurship (CRCE) - Incubation of Companies
- Research Retreat
- **Skills Training to Students** – Creation and Display of short, silent, educational and theme based Films & Documentaries.
- **IDEA Contest** – IPR, awareness promotion campaign and annual competitions to felicitate creative ideas on **World IPR Day**.

- **Inviting Authors to Interact with Students** – Writers whose texts are prescribed for students in language courses are invited to dialogue with Students and Faculty.
- **Skill Development Programme for Doctoral Students** – An innovative programme included as part of Course Work for all Ph. D. Students to enhance research, professional and life skills.
- **Experiential Learning** – As part of the Master in Psychology Programme students interview practitioners of alternative healing and personally experience alternative and holistic healing methods as part of the programme.
- **Development of Case Studies** – MBA students under the mentorship of faculty develop case studies of incubated companies.
- **Recognizing Achievers** – A quarterly assessment of achievements of faculty and students is done and Awards of Recognition conferred on the meritorious achievers.
- **Jain University Press** – The University Press has published the research work of its faculty for wider dissemination among the academic community and general public.
- **Aventure Magazine** – A flagship quarterly magazine of the University that showcase its academic achievements, research outputs and best practices.
- **Research Dialogue Platform** – Think let a monthly newsletter by and for researchers and doctoral students of the University
- The University also brings out the book on Best Practices of the various departments every academic year

OBSERVATIONS OF PEER TEAM:-

No specific comments calling for compliances.



ANNEXURE -I
MHRD Notifications

MHRD Notifications

(TO BE PUBLISHED IN THE GAZETTE OF INDIA PART-I SECTION-1)

No. F. 9-57/2007-U.3(A)
Government of India
Ministry of Human Resource Development
(Department of Higher Education)

Shastri Bhawan, New Delhi,
Dated the 24th July, 2009.

NOTIFICATION

Whereas the Central Government is empowered under Section 3 of the University Grants Commission (UGC) Act, 1956 to declare, on the advice of the UGC, an institution of higher learning as a deemed-to-be-university;

2. And whereas, on the advice of the UGC, Jain University comprising of Sri Bhagwan Mahavir Jain College, 91/2 Dr. A.N. Krishna Road V V Puram Bangalore College, was declared as an 'Institution Deemed-to-be-University' for the purposes of the aforesaid Act, vide this Ministry's notification of even no. dated 19.12.2008, with effect from the date of disaffiliation of the said College from its affiliating university, viz., Bangalore University, Bangalore;

3. And whereas, a representation was received in January, 2009 from Jain University, Bangalore, Karnataka clarifying that (i) Sri Bhagwan Mahavir Jain College (School of Graduate Studies), 34 First Cross KC Road, Bangalore (ii) Sri Bhagwan Mahavir Jain College (Centre for Management Studies), 1/1, Atria Tower, Place Road, Bangalore (iii) Sri Bhagwan Mahavir Jain College (Centre for PG Studies), 18/3, 9th Main, 3rd Block Jayanagar Bangalore and (iv) Sri Bhagwan Mahavir Jain College of Engineering, Jakkasandra Post, Karakpura Taluk, Bangalore (Rural) District are branches of Sri Bhagwan Mahavir Jain College which is one institution having branches department wise in different locations and further stating that the Expert Committee of the UGC has recommended for grant of status of deemed university to the institution comprising aforesaid branches;

4. Now, therefore, after carefully considering the aforesaid representation of Jain University as well as the recommendation made by UGC and its Expert Committee, the Central Government in exercise of the powers conferred by Section 3 of the UGC Act, 1956, on the advice of the University Grants Commission (UGC), do hereby include (i) Sri Bhagwan Mahavir Jain College (School of Graduate Studies) 34 First Cross KC Road, Bangalore (ii) Sri Bhagwan Mahavir Jain College (Centre for Management Studies) 1/1, Atria Tower, Place Road, Bangalore (iii) Sri Bhagwan Mahavir Jain College (Centre for PG Studies) 18/3, 9th Main, 3rd Block Jayanagar Bangalore (iv) Sri Bhagwan Mahavir Jain College of Engineering, Jakkasandra Post, Kanakpura Taluk, Bangalore (Rural) with effect from the date on which they are disaffiliated from their respective affiliating universities, viz Bangalore University, Bangalore, Karnataka and Visvesvaraya Technical University, Belgaum, Karnataka and subject to review after five years;

5. All the conditions that were stipulated in the Ministry's notification of even no. dated the 19th December, 2008, that govern the status of 'deemed to be university' conferred on Jain University, Bangalore, Karnataka shall continue to be in force and will be applicable to (i) Sri Bhagwan Mahavir Jain College (School of Graduate Studies), 34 First Cross KC Road, Bangalore (ii) Sri Bhagwan Mahavir Jain College (Centre for Management Studies) 1/1, Atria Tower, Place Road, Bangalore (iii) Sri Bhagwan Mahavir Jain College (Centre for PG Studies), 18/3, 9th Main, 3rd Block Jayanagar Bangalore (iv) Sri Bhagwan Mahavir Jain College of Engineering, Jakkasandra Post, Karakpura Taluk, Bangalore (Rural), and be complied with;

6. Neither the Government of India nor the UGC shall provide any Plan or Non-Plan grant-in-aid to Jain University, Bangalore, Karnataka or its constituent teaching units.

(Sunil Kumar)

Joint Secretary to the Government of India

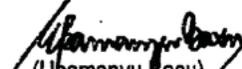
The Manager,
Government of India Press,
Faridabad - 121 001,
Haryana.

Copy forwarded to: -

1. The Secretary, University Grants Commission, Bahadurshah Zafar Marg, New Delhi - 110002.

2. The Member Secretary, All India Council for Technical Education (AICTE), 7th Floor, Chanderlok Building, Janpath, New Delhi – 110001.
3. Director, Distance Education Council, Indira Gandhi National Open University, Maidan Garhi, New Delhi.
4. The Managing Trustee & President, Jain University, Bangalore, Karnataka.
5. The Registrar, Bangalore University, Bangalore , Karnataka .The University is expected to take action regarding conducting examination and awarding degrees on successful completion of courses to the students on the rolls of the branches of Jain University , Bangalore , Karnataka namely (i) Sri Bhagwan Mahavir Jain College (School of Graduate Studies) 34 First Cross KC Road, Bangalore (ii) Sri Bhagwan Mahavir Jain College (Centre for Management Studies) 1/1, Atria Tower, Place Road, Bangalore (iii) Sri Bhagwan Mahavir Jain College (Centre for PG Studies)18th 3,9th Main , 3rd Block Jayanagar Bangalore, who are presently under its enrollment .
6. The Registrar, Visvesvaraya Technological University, Belgaum , Karnataka .The University is expected to take action regarding conducting examination and awarding degrees on successful completion of courses to the students on the rolls of the branch of Jain University , Bangalore , Karnataka namely, Sri Bhagwan Mahavir Jain College of Engineering, Jakkasandra Post, Karakpura Taluk, Bangalore (Rural), who are presently under its enrollment.
7. The Principal Secretary to the Government of Karnataka, Department of Higher Education, Government of Karnataka Secretariat, Vidhana Soudha, Bangalore-560001.
8. The Secretary to Government of Karnataka, Health & Family Welfare Department (Medical Education), Karnataka Government Secretariat, Vikasa Soudha, Dr. B.R. Ambedkar Road, Bangalore – 560001.
9. The Commissioner for Collegiate Education, Department of Collegiate Education, Government of Karnataka, Tantrika Shikshana Bhavan, Palace Road, Bangalore – 560 001.
10. The Director of Technical Education, Government of Karnataka, Seshadri Road, Bangalore.

11. The Vice-Chancellor / Registrar, Indira Gandhi National Open University, Maidan Garhi, New Delhi – 110 068.
12. The Registrar, Karnataka State Open University, Manasagangotri, Mysore – 570 006, Karnataka.
13. Press Information Bureau, Shastri Bhawan, New Delhi-110001.
14. The Secretary-General, Association of Indian Universities, A.I.U. House, 16 Kotla Marg, New Delhi - 110002.
15. Joint Director (Planning) & Web Master, Department of Higher Education, Room No. 523-'C' Wing, Shastri Bhawan, New Delhi, with the request to issue necessary instructions to the CMIS Unit to display this notification on the website of Department of Higher Education.
16. Guard file / Notification file.


(Upamanyu Dasu)
Director

(TO BE PUBLISHED IN THE GAZETTE OF INDIA PART-I SECTION-1)

No. F.9-57/2007-U.3(A)
Government of India
Ministry of Human Resource Development
(Department of Higher Education)

Shastri Bhawan, New Delhi,
Dated the 14th December, 2008.

NOTIFICATION

Whereas the Central Government is empowered under Section 3 of the University Grants Commission (UGC) Act, 1956 to declare, on the advice of the UGC, an Institution of Higher Learning as an "Institution Deemed-to-be-University".

2. And whereas, a proposal was received from Sri Bhagawan Mahaveer Jain Educational & Cultural Trust, Bangalore, Karnataka seeking to declare Sri Bhagawan Mahaveer Jain College, Bangalore as a 'Deemed-to-be-University', in the name and style of "Jain University", under Section 3 of the UGC Act, 1956;

3. And whereas, the UGC has examined the said proposal and vide its communication bearing F.No.26-19/2007(CPP-I/DU) dated 13.06.2008 has recommended conferment of status of 'deemed to be university' to Jain University, Bangalore comprising Sri Mahaveer Jain College, Bangalore. The UGC has also recommended that the performance of the institute may be reviewed after five years;

4. Now, therefore, in exercise of the powers conferred by Section 3 of the UGC Act, 1956, the Central Government, on the advice of the UGC, hereby declare that "Jain University, which is a registered Trust, shall be an "Institution Deemed-to-be-University" for the purposes of the aforesaid Act, provisionally for a period of five years, subject to the following conditions:

- (i) 'Jain University' shall comprise Sri Bhagawan Mahaveer Jain College, 91/2, Dr. A.N. Krishna Rao Road, V.V. Puram, Bangalore as its constituent teaching unit;
- (ii) Jain University shall become an "Institution Deemed-to-be-University" with effect from the date of disaffiliation of Sri Bhagawan Mahaveer Jain College from the latter's affiliating university, viz., Bangalore University, Bangalore;
- (iii) The declaration as made above shall cover only those academic courses / programmes of Sri Bhagawan Mahaveer Jain College, V.V. Puram, Bangalore that are presently affiliated to Bangalore University, Bangalore.
- (iv) The declaration as made above shall not extend to cover the other teaching institutions established and run by Sri Bhagawan Mahaveer Jain Educational &

Cultural Trust, Bangalore, within or outside the campus of Jain University at V.V.Puram, Bangalore, including Sri Bhagawan Mahaveer Jain College, the branch located at 1st Cross, J.C. Road, Bangalore, Sri Bhagawan Mahaveer Jain College of Engineering, Jakkasandra Post, Kanakapura Taluk, Bangalore, Sri Bhagawan Mahaveer Jain Evening College and MATS Institute of Management & Entrepreneurship, Jakkasandra Post, Kanakapura Taluk, Bangalore.

- (v) The status of 'deemed to be university' conferred on "Jain University" shall be reviewed by the UGC, through an Expert Committee, after a period of five years.

5. The status conferred on 'Jain University' shall be confirmed after a period of five years on the basis of review to be conducted by the UGC through an Expert Committee and recommendation of the UGC thereof;

6. The declaration as made in para 4 above is further subject to fulfillment / compliance of the conditions mentioned at Sr. No.4 of the endorsement to this Notification;

7. Neither the Government of India nor the UGC shall provide any Plan or Non-Plan grant-in-aid to Jain University or its constituent unit.

(Sunil Kumar)

Joint Secretary to the Government of India

The Manager,
Government of India Press,
Faridabad (Haryana) - 121001.

Copy forwarded to: -

1. The Secretary, University Grants Commission, Bahadurshah Zafar Marg, New Delhi - 110002. UGC shall take appropriate action to conduct the review of Jain University, comprising Sri Bhagawan Mahaveer Jain College, V.V. Puram, Bangalore with help of an Expert Committee in accordance with the procedure prescribed by it for the purpose of such 'reviews' and make necessary recommendations to this Ministry in this behalf at the end of the fifth year of the currency of the status.
2. The Member Secretary, All India Council for Technical Education (AICTE), 7th Floor, Chandertok Building, Janpath, New Delhi - 110001.
3. Director, Distance Education Council (DEC), Indira Gandhi National Open University, Maidan Garhi, New Delhi - 110068.
4. The Chairman & Secretary, Jain University Trust, 91/2, Dr. A.N. Krishna Rao Road, V V Puram, Bangalore - 560 004. The declaration as made in para 4 of this Notification shall be subject to fulfillment/compliance of the following further conditions that:-

- (i) The management of Sri Bhagawan Mahaveer Jain College, V V Puram, Bangalore should be legally transferred from its parent Trust, viz., Sri Bhagawan Mahaveer Jain Educational & Cultural Trust, Bangalore and vested with the Society created for the purpose of managing the Institution 'Deemed to be University', i.e. Jain University Trust.
- (ii) All the movable and immovable assets and properties of Sri Bhagawan Mahaveer Jain College, V V Puram, Bangalore should be legally transferred from Sri Bhagawan Mahaveer Jain Educational & Cultural Trust, vested with the Jain University Trust and registered as such in the interest of future of students, members of faculty, employees and for maintaining the standards of higher education.
- (iii) The objectives of Jain University Trust shall confine to educational and related social and charitable activities. The Trust should not undertake or engage in any activity that is of commercial and profit-making in nature.
- (iv) There shall be no diversion of assets or funds of the Trust / 'Institution deemed-to-be-university' institution without prior permission of the UGC.
- (v) Jain University Trust shall maintain a separate and distinct financial accounts in respect of its functioning as an 'Institution Deemed-to-be-University'.
- (vi) The accounts of Jain University Trust shall be open to inspection/audit by the UGC. Suitable provision in this respect shall also be provided for in the Memorandum of Association (MoA) / Rules of the said Trust in consultation / agreement with the UGC.
- (vii) Jain University Trust should continue to maintain the corpus fund as per the norms of the UGC. The corpus fund will be irrevocable in nature and the bank deposits maintained for this purpose should not also be liquidated or closed without prior consent of the UGC.
- (viii) As and when necessary, Jain University Trust shall update or revise or modify its MoA / Rules with the approval of the UGC. Further, specific changes/ amendments, if any, suggested by the Government of India or UGC shall also be carried out in the MoA/Rules with the approval of the UGC.
- (ix) Jain University Trust shall submit a legal undertaking to cover the issues pertaining to earmarking of assets, non-diversion of assets without prior approval of the UGC/Government of India and for providing powers/authority to the UGC to take control of assets, etc. of the 'Jain University in the event of winding up of or dissolution of the said Institution.

- (x) Jain University, as an 'Institution Deemed-to-be-University' shall award degrees in respect of the academic courses / programmes of Sri Bhagawan Mahaveer Jain College only to those students who are admitted to these courses / programmes subsequent to the date of this notification. Accordingly, it shall make admission of students to the academic courses of Sri Bhagawan Mahaveer Jain College, under its enrolment, only with effect from the next academic year (i.e. from 2009-2010).
- (xi) The academic courses/programmes (of Sri Bhagawan Mahaveer Jain College) that are presently not affiliated to Bangalore University (affiliating university) will not fall under the ambit and purview of Jain University for the purposes of admission of students and award of degrees.
- (xii) As for the students who were already admitted to the academic programmes of Sri Bhagawan Mahaveer Jain College prior to the date of this notification, they shall continue to pursue their courses of study under enrolment and affiliation to the affiliating university concerned, viz., Bangalore University, which shall conduct examinations for them till they complete the courses/ programmes of study they are pursuing at the said College presently, and award degrees to them upon successful completion of their respective courses/programmes of study.
- (xiii) The academic courses/programmes being offered / to be offered by Jain University/ Sri Bhagawan Mahaveer Jain College will conform to the norms and standards prescribed by the relevant Statutory Councils such as the UGC, etc., as the case may be. It shall not offer / award any degree that is not specified by the UGC. It shall also ensure that the nomenclatures of the degrees, etc. to be awarded by it are specified by the UGC under Section 22 of the UGC Act, 1956.
- (xiv) Jain University/Sri Bhagawan Mahaveer Jain College shall start new academic courses only as per the norms prescribed by the UGC.
- (xv) Jain University/ Sri Bhagawan Mahaveer Jain College shall take all the required steps to get all its eligible academic courses/programmes rated for valid accreditation by the National Assessment and Accreditation Council (NAAC), etc., as the case may be, in terms of instructions issued by the UGC vide its circular No.F.6-1(7)/2006(CPP-I) dated the 12th March, 2007.
- (xvi) Jain University / Sri Bhagawan Mahaveer Jain College shall not conduct any distance education programmes without prior approval of UGC and Distance Education Council (DEC). The guidelines issued by both the DEC and the UGC from time to time in the matter of imparting education through distance mode have to be complied with by it.
- (xvii) Jain University shall not start and run any study centre / extension centre / off-campus centre / off-shore campus without obtaining the requisite prior approval of the UGC / DEC / Government of India, as the case may be. It shall open new

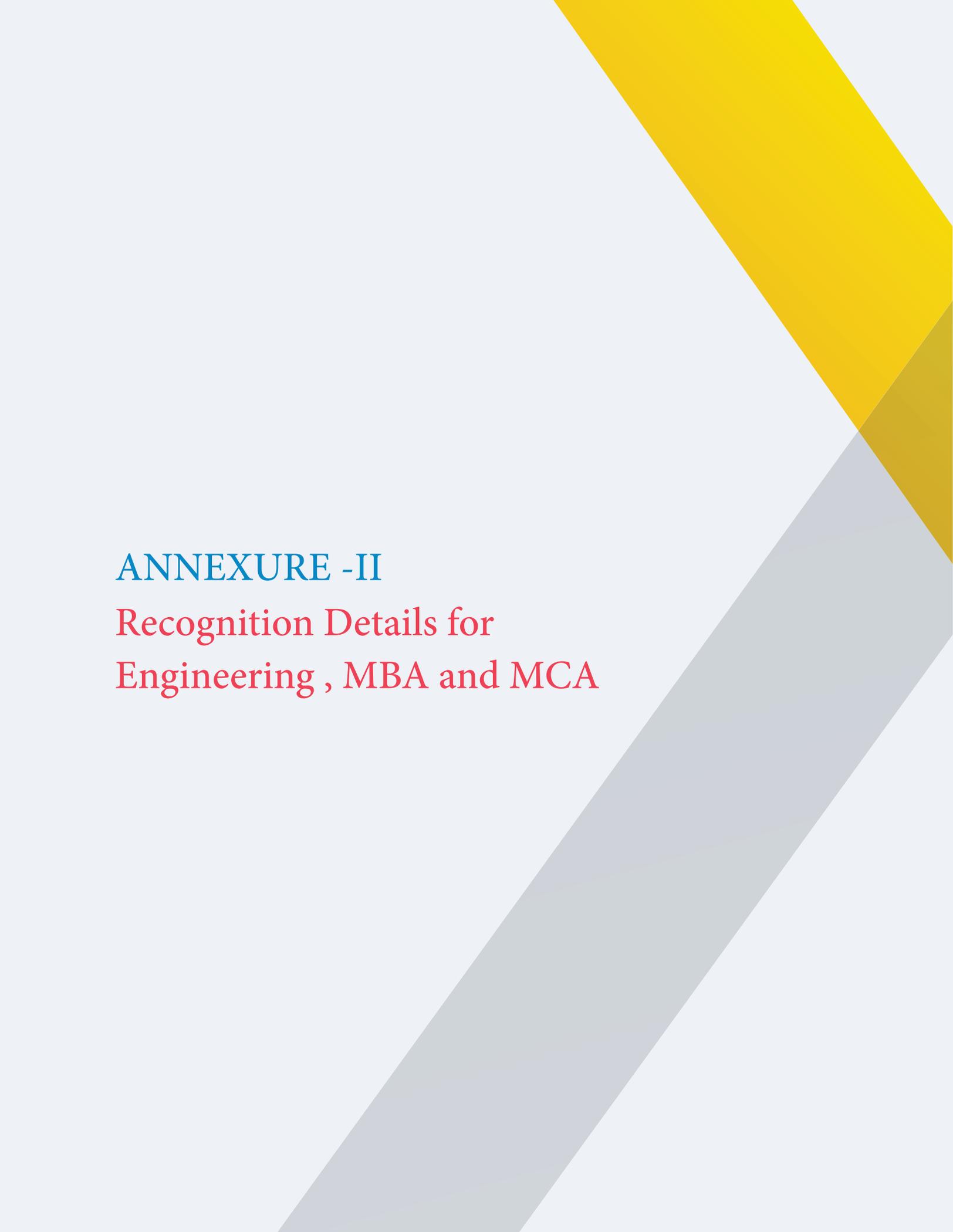
Departments / Faculties or start new courses or include / bring other teaching institutions / Colleges, as the case may be, under its ambit/management, only as per the norms and guidelines prescribed/issued, from time to time, by the UGC/ Government of India.

- (xviii) All the prescribed norms and procedures of the relevant Statutory Councils, such as UGC, etc. and other authorities concerned in the matter of admission of students, intake capacity of students, starting of new courses/programmes, renewal of approval to the courses, etc. will continue to be in force, and shall be adhered to by Jain University/ Sri Bhagawan Mahaveer Jain College.
 - (xix) The infrastructure facilities at Sri Bhagawan Mahaveer Jain College should be maintained as per the norms prescribed under the guidelines of the UGC pertaining to Deemed-to-be-Universities.
 - (xx) Jain University should take immediate to steps to strengthen the research activities at Sri Bhagawan Mahaveer Jain College. The suggestions made by the Expert Committee of the UGC in relation to need for encouraging more research activity, more sponsored projects, industry consultancy, participation in conferences and publication in good journals should be complied with.
 - (xxi) The parent Trust concerned and the Jain University Trust shall abide by all the undertakings that have already been submitted to the UGC or the fresh/new undertakings it is required to submit in connection with and for the purpose of obtaining status under Section 3 of the UGC Act, 1956.
 - (xxii) The observations / suggestions made by the Expert Committees of the UGC in its Inspection Report submitted to the UGC should be complied with by Jain University, so as to rectify the deficiencies and to bring about the recommended improvement at the Institute.
 - (xxiii) Jain University / Sri Bhagawan Mahaveer Jain College shall abide by all the norms and guidelines as laid down by the UGC, etc. from time to time, as are applicable to institutions notified as 'Deemed-to-be-Universities'.
 - (xxiv) Jain University shall not create an impression in the mind of the general public that it has been 'established' under a Central Act. In order to ensure this, it shall, in all its advertisements, public notices, communications, etc., distinctly mention under its nomenclature by inserting (within brackets) a line, which shall read: "*Declared as Deemed-to-be-University' under Section 3 of the UGC Act, 1956*".
5. The Registrar, Bangalore University, Jnana Bharathi, Bangalore – 560 056, Kamataka. The University is expected to take action in accordance with endorsement 4(xii) regarding the students on the rolls of Sri Bhagawan Mahaveer Jain College, Bangalore, who are

presently under its enrollment, as per their letter No.ACA-III:A3: NOC: Deemed University:2008 dated 12.07.2008.

6. The Principal Secretary to the Government of Karnataka, Higher Education Department, Government of Karnataka, Karnataka Govt. Secretariat, 5th Floor, M.S. Buildings, Dr. B.R. Ambedkar Veedhi, Bangalore – 560 001.
7. ✓ The Honorary Secretary, Sri Bhagawan Mahaveer Jain Educational & Cultural Trust, 91/2, Dr. A.N. Krishna Rao Road, V.V. Puram, Bangalore – 560 004.
8. The Principal, Sri Bhagawan Mahaveer Jain College, 91/2, Dr. A.N. Krishna Rao Road, V.V. Puram, Bangalore – 560 004 with an advice to take appropriate steps to comply with / fulfil the conditions stipulated in para 4 of this Notification and those mentioned at Sr. No.4 of this portion of endorsement of this Notification.
9. Press Information Bureau, Room No.103-B, "A" Wing, Shastri Bhawan, New Delhi-110001.
10. The Secretary-General, Association of Indian Universities, A.I.U. House, 16 Kotla Marg, New Delhi - 110002.
11. Director (Administration) & Web Master, Department of Higher Education, Shastri Bhawan, New Delhi with the request to issue necessary instructions to the CMIS Unit to display this notification on the website of Department of Higher Education.
12. Guard file / Notification file.


(Upamanyu Basu)
Director



ANNEXURE -II

Recognition Details for
Engineering , MBA and MCA

Recognition Details for Engineering , MBA & MCA



अखिल भारतीय तकनीकी शिक्षा परिषद् ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA) Revised Letter

F.No. UG/ENGG/KAR/2005/008
July 30, 2007

To,

The Principal Secretary
Govt. of Karnataka,
Multistoried Building
Dr. B. R. Ambedkar Veedhi
Bangalore-560 001

Sub : AICTE Approval for extension / increase/ Variation in intake/ introduction of additional courses to
**SRI BHAGWAN MAHAVEER JAIN COL OF ENGG., JAKKASANDRA POST, KANAKAPURA
TALUK BANGALORE RURAL DIST** for the year 2007-2008 – reg.

Sir,

In continuation to Council's letter referred above, the revised intake for the year 2007-2008 in respect of **SRI BHAGWAN MAHAVEER JAIN COL OF ENGG., JAKKASANDRA POST, KANAKAPURA TALUK BANGALORE RURAL DIST** is as under :

Name of the Course(s)	Existing Intake	Revised Intake	Period of approval
COMPUTER SCIENCE & ENGINEERING	60	60	2007-2008
ELECTRICAL & ELECTRONICS ENGINEERING	60	60	
ELECTRONICS & COMMUNICATION ENGG.	60	120 *	
INFOMATION SCIENCE & ENGINEERING	60	60	
MBA	60	60	
MECHANICAL ENGINEERING	60	60	
MCA	00	60 *	
Total -->	360	480	

Note : * The approval for additional course(s) / increase in intake / variation in intake is valid for two years from the date of issue of this letter for getting affiliation with respective university and fulfilling State Government requirements of admission.

The additional intake is being granted based on the projections shown in the Detailed Project Report regarding additional built up space, faculty and other facilities for the proposed intake. It may be noted that all facilities including additional built area and appointment of faculty should be made available before the commencement of the next academic session. Random surprise inspection would be carried out to verify facilities and if the institute is found deficient in fulfillment of norms & standards of AICTE, appropriate action would be initiated by the Council.

Please note that other terms & conditions in the earlier letter of even no dated 15.05.2007 will remain unchanged.

Yours faithfully,


(Harish C. Rai)
Adviser- UG/PG (E&T)

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002
दूरभाष / Phone : 23392506, 63-65-68, 71, 73 -75 फैक्स / Fax : 011-23392554
वेबसाइट / Website : www.aicte.ernet.in

S B M J C
WS
No. 7 AUG 2007

Copy to:

1. The Principal,
SRI BHAGWAN MAHAVEER JAIN COL OF ENGG.
JAKKASANDRA POST, KANAKAPURA TALUK
BANGALORE RURUAL DIST
2. The Regional Officer,
AICTE Southern West Regional Office,
Banaglore University Campus, P.K.Block,
Palace Road, Bangalore – 560 009
3. The Director of Tech. Education
Govt. of Karnataka,
Palace Road, Banaglore-560 001
4. The Registrar, concerned University.
(He is requested to complete the process of affiliation for facilitating admissions).
5. Guard File (UG/PG).



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 (भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F. No. UG/ENG/KAR/2005/008

July 14, 2006

To,

The Principal Secretary,
 Government of Karnataka,
 Multistoried Building,
 Dr. B.R. Ambedkar Veedani,
 Bangalore – 560 001

Sub : AICTE Approval for extension / increase/ Variation in intake/ introduction of additional courses **Sri Bhagwan Mahaveer Jain College of Engg. Jakkasandra Post, Kanakapura Taluk Bangalore Rural Distt.** for the year 2006-2007 – reg.

Ref. : Letter of even no dated 13.06.2006.

Sir,

In continuation to Council's letter referred above, the revised intake for the year 2006-2007 in respect **Sri Bhagwan Mahaveer Jain College of Engg. Jakkasandra Post, Kanakapura Taluk Bangalore Rural Distt.** is as under :

Name of the Course(s)	Existing Approved Intake 2006-2007	Revised Approved Intake 2006-2007
Computer Science & Engg	60	60
Electronics & Comm. Engg.	60	60
Information Science & Engg.	60	60
Mechanical Engg.	60	60
Electrical & Electronics Engineering	60	60
MBA	0	60
Total	300	360

Note : The additional intake is being granted based on the projections shown in the Detailed Project Report regarding additional built up space, faculty and other facilities for the proposed intake. It may be noted that all facilities including additional built area and appointment of faculty should be made available before the commencement of the next academic session. Random surprise inspection would be carried out to verify facilities and if the institute is found deficient in fulfillment of norms & standards of AICTE, appropriate action would be initiated by the Council.

All other terms and condition in the letter referred above remain unchanged.

Yours faithfully,

(Signature)
 (Harish C. Rai)
 Adviser- UG/PG (E&T)

Copy to:

- The Principal,
 Sri Bhagwan Mahaveer Jain College of Engg.
 Jakkasandra Post Kanakapura Taluk,
 Bangalore Rural Dist
- The Regional Officer, AICTE, South-West Regional Office, Bangalore University Campus P.K. Block, Palace Road, Bangalore – 560 009.
- The Commissioner of Tech. Education, Govt. of Karnataka, Palace road Bangalore 560 001
- The Registrar, concerned University.
 (He is requested to complete the process of affiliation for facilitating admissions).
- Guard File (UG/PG).

S B M J C E	
No.	842
Date	25 JUL 2006
Sign	<i>(Signature)</i>

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली – 110002
 Indira Gandhi Sports Complex, I. P. Estate, New Delhi-110 002
 दूरभाष / Phone : 23392506, 63-65-68, 71, 73-75 फैक्स / Fax : 011-23392554
 वेबसाइट / Website : www.aicte.ernet.in

1-X-Charanda

GROUP OF INSTITUTIONS

FAX NO. :+91 80 26500895

Jun. 25 2005 11:09AM P4

-3-

Please note that the Council would verify the status in respect of recruitment of faculty and rectification of other deficiencies through Surprise Inspection without any prior intimation. The Institution shall be liable for strict action including action under the relevant provisions of Indian Penal Code in case false information is furnished to the Council.

~~The Council has decided to undertake inspections without any prior notice before extending approval for the year 2006-07 anytime after August 2005. A compliance report in respect of conditions/ deficiencies listed in Annexure - A must be sent to the council before 31st August, 2005 in the absence whereof extension of approval for the year 2006-07 may not be considered.~~

The Compliance Report to be submitted to the Council by 31st August, 2005 should also be accompanied with a Visiting/ Processing Fee as prescribed by the Council in the form of Demand Draft in favour of the Member Secretary, AICTE payable at New Delhi. In the absence of the processing / visiting fee, the compliance report may not be entertained.

In the event of infringement/ contravention or non-compliance of the above Conditions and/or the provision of AICTE Act & Regulations/ Guidelines/ Norms & Standards as prescribed by AICTE, further actions leading to "Reduced Intake" or "No Admission" or "Withdrawal of Approval", shall be taken by AICTE and the liability arising out of such actions will be solely that of the Management/ Trust/ Society and/ or the Institution.

Your faithfully,



(Dr. P. Venkateswara Rao)
Adviser (UG/ PG)

Copy to:

1. The Regional Officer, AICTE, South-West Regional Office, Bangalore University Campus, P.K.Block, Palace Road, Bangalore-560 009.
2. The Registrar,
3. THE CHAIRMAN
SRI BHAGAWAN MAHAVEER JAIN
EDUCATIONAL & CULTURAL TRUST,
DR. A.N.KRISHNA RAO ROAD,
V.V.PURAM, BANGALORE - 560004
4. The Director, Directorate of Technical Education, Palace Road, Bangalore - 560 001.
5. Guard File Bureau (UG/PG)

ASHA JAIN GROUP OF INSTITUTIONS

FAX NO. :+91 80 26502895

Jun. 25 2005 11:07AM P1



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 (भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F.No. UG/RNGC/KAR/2005/008
 June 21, 2005

To
 The Principal Secretary,
 Government of Karnataka,
 Multistoried Building, Dr. B.L. Ambedkar Veedhi,
 Bangalore - 560 001

Sub: AICTE approval to Sri Bhagawan Mahaveer Jain Educational & Cultural Trust
 Dr. A.N.Krishna Rao Road, V.V.Puram, Bangalore - 560004 for establishment of Sri
 Bhagawan Mahaveer Jain College of Engineering, Jakkasandra Post, Kanakapura Taluk,
 Bangalore Rural District. for the Academic year 2005-06.

Sir/Madam,

The Application/ Proposal received from Sri Bhagawan Mahaveer Jain Educational & Cultural
 Trust, Dr. A.N.Krishna Rao Road, V.V.Puram, Bangalore - 560004 has been processed as per laid
 down procedure, guidelines, policy and/or norms & standards of AICTE, mentioned in AICTE
 Regulations and/ or "AICTE Hand Book for Approval Process".

I am directed to state that the All India Council for Technical Education (AICTE) is pleased to accord
 approval for Establishment of Sri Bhagawan Mahaveer Jain College of Engineering,
 Jakkasandra Post, Kanakapura Taluk, Bangalore Rural District. for the academic year 2005-06
 to conduct of following course(s) with annual intake as given below:

FULL TIME COURSE(S)	ANNUAL INTAKE	ENTRY LEVEL	DURATION (YEARS)	PERIOD OF APPROVAL
Electronics & Communication Engg.	60	10+2	4	2005-06
Mechanical Engineering	60	10+2	4	2005-06
Computer Science & Engineering	60	10+2	4	2005-06
Information Science & Engineering	60	10+2	4	2005-06
Total Annual Intake	240			

Cont...2/

इंदिरा गांधी खेल परिसर, इन्द्रप्रस्थ एस्टेट, नई दिल्ली - 110002
 Indra Gandhi Sports Complex, I. P. Estate, New Delhi - 110 002
 दूरभाष / Phone : 23392506, 83-85-88, 71, 73-75 फैक्स / Fax : 011-23392554
 वेबसाइट / Website : www.aicteernet.in

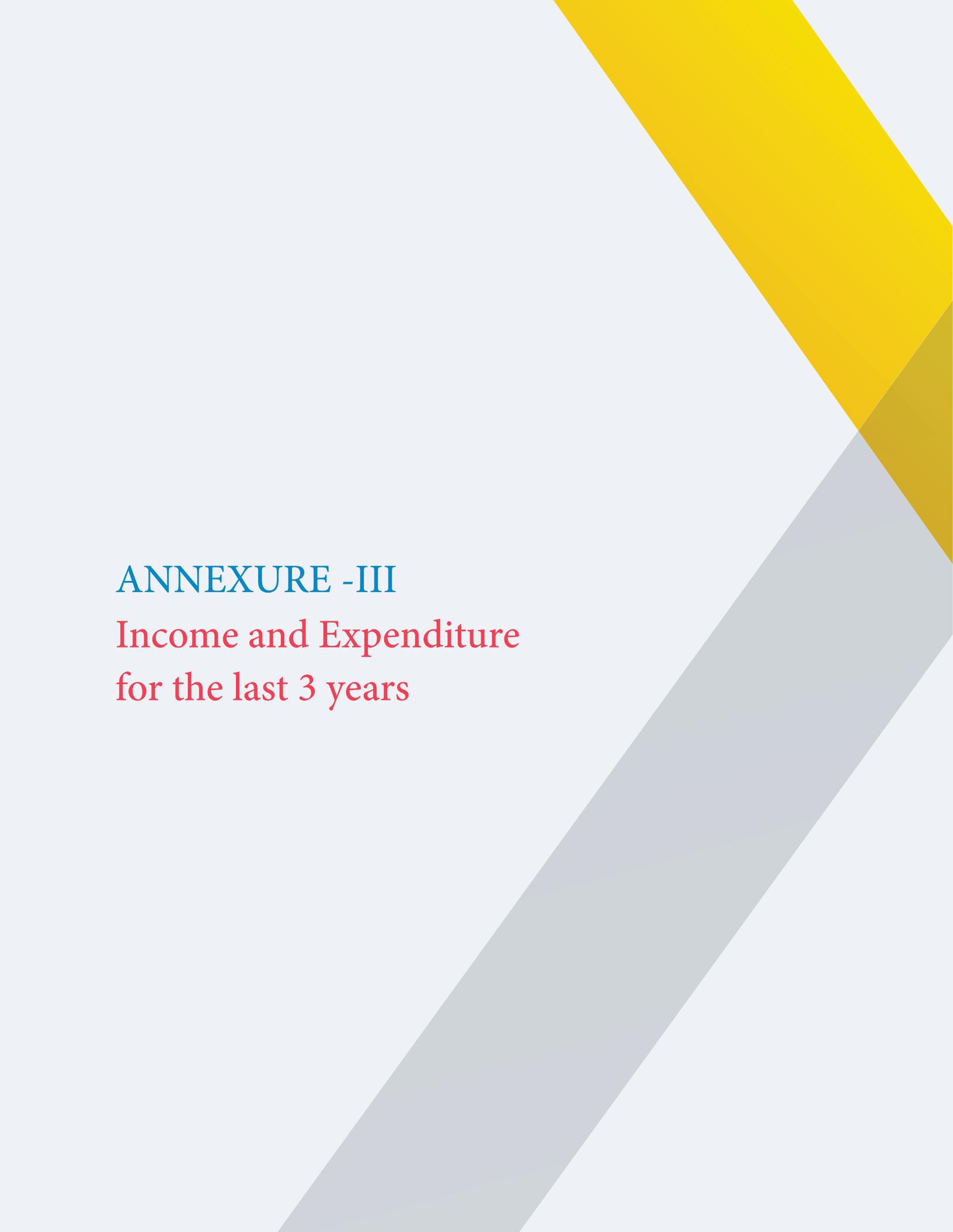
- 2 -

The Approval accorded above is subject to fulfillment of the following conditions:

1. The institution must have affiliation to a University for the above courses before making admissions. In the absence of such Affiliation this letter of approval shall be treated as Withdrawn (Order of the High Court of Madras in W.P. No. 33256 of 2002 and other Batch of Petitions).
2. No admission shall be made by the institution, contrary to the guidelines issued by AICTE, for the academic session 2005-06. All the admissions must necessarily be made through Entrance Test.
3. The approved course(s) shall commence as per the academic calendar of the Affiliating University.
4. If this letter of approval is received by you after the closing date of State/ National level Central Counseling for Admissions in the concerned State/ Union Territory, this letter of Approval will not be valid for making any admission during the above specified academic year, and shall be treated as withdrawn.
5. No excess admission shall be made by the institution during any academic year.
6. The approval is valid only for the academic year 2005-06. If no further extension of AICTE approval is received beyond the academic year 2005-06, this Approval Letter will not be valid for making any admission for the subsequent years.
7. Any other condition(s) as may be specified by AICTE from time to time.

Consequent to the Supreme Court Judgment, the Model Constitution of Governing Body notified by AICTE in its approval Regulations 1994, stands overruled. It has been decided that while AICTE will not insist on any nomination in the Governing Body of Private Unaided Institution, the Affiliating University/ State Government shall impose minimum conditions of affiliation, such as, prescription of qualifications of Governing Body Members, in order to insure academic excellence. It shall be desirable for the private unaided institutions to induct at least 50% of the members of the Governing Body drawn from renowned academia, academic administrators, Subject Experts and professionals from industry in order to seek then innovative ideas for continuous improvement in the delivery of teaching learning process, matching best practices elsewhere and achieve excellence.

Cont.....3/



ANNEXURE -III

Income and Expenditure
for the last 3 years

Jain University Trust
Balance Sheet, Income & Expenditure Account
As on 31-03-2016

JAIN UNIVERSITY TRUST
Balance Sheet as at 31.03.2016

LIABILITIES	SCH.	Rs.	Rs.	Rs.
Sources of Funds:				
I) Corpus Fund				250,000,000
II) Infrastructure Fund	1			2,000,000
III) Unsecured Loan	3			432,282,588
				684,282,588
ASSETS				
Application of Funds :				
(I) Fixed Assets				
Gross Block			670,081,674	
Less : Depreciation	4		239,034,682	
Net Block				431,046,992
(II) Current Assets				
ii) Cash & Bank Balances	5	35,483,794		
(iii) Deposits, Advances & Receivables	6	243,643,243		
			279,127,037	
Less : Current Liabilities	7	54,073,900		
Net Current Assets			225,053,137	225,053,137
Income & Expenditure Account	2			28,182,459
				684,282,588

For JAIN UNIVERSITY TRUST

For JAIN UNIVERSITY TRUST

TRUSTEE

TRUSTEE

DATE :

"Compiled from the books of accounts produced and
Information and particular furnished to us "

PLACE : BANGALORE



S.S. PRASAD & CO.
 CHARTERED ACCOUNTANTS
 No. 187, 68th Cross,
 5th Block, Rajajinagar,
 BANGALORE-560 010.

For **S.S. PRASAD & CO.**
 CHARTERED ACCOUNTANTS
 (S. SATHYANARAYANA PRASAD)
 Proprietor

JAIN UNIVERSITY TRUST
Income & Expenditure Account for the year ended 31.03.2016

Income :	SCH.	Rs.	Rs.
Fees and Other Contributions			1189873246
Miscellaneous Income			10308185
			1200181431
Expenditure			
Academic & Admin. Expenses	8	1,034,428,836	
Financial Expenses	9	82,593,458	
Maintenance Account	10	27,233,024	
Depreciation		42,182,529	1186437847
			1186437847
Excess of Income Over Expenditure			13743584
Less : Transferred to Infrastructure Fund			0
NET SURPLUS			13743584

For JAIN UNIVERSITY TRUST

For JAIN UNIVERSITY TRUST

TRUSTEE

DATE :
 PLACE : BANGALORE



A. Chaturay
 TRUSTEE

"Compiled from the books of accounts produced and
 Information and particular furnished to us "

S.S. PRASAD & CO.
 CHARTERED ACCOUNTANTS
 No. 187, 68th Cross,
 5th Block, Rajajinagar,
 BANGALORE-560 010.

For **S.S. PRASAD & CO.**
 CHARTERED ACCOUNTANTS
(S. Sathyana Rayana Prasad)
 Proprietor

JAIN UNIVERSITY TRUST
SCHEDULES

PARTICULARS	Amount (Rs)	Amount (Rs.)
<u>Capital/General/Building & Asset Fund</u>		
Opening Balance	250,000,000	
Add : Corpus Fund Received during the year	-	
	250,000,000	
Add : Excess of Income over Expenditure	-	
		250,000,000

JAIN UNIVERSITY TRUST
SCHEDULES

Schedule 1

PARTICULARS	Amount (Rs)	Amount (Rs.)
<u>Infrastructure Fund</u>		
Opening Balance	2,000,000	
Fund Transferred during the year	-	
		2,000,000



Schedule 2

PARTICULARS	Amount (Rs)	Amount (Rs.)
Income & Expenditure A/c		
Opening Balance	(41,926,043)	
	(41,926,043)	
Add : Excess of Income over Expenditure	13,743,584	
		(28,182,459)

Schedule 3

PARTICULARS	Amount (Rs)	Amount (Rs.)
Unsecured Loan		
Sri Bhagawan Mahaveer Jain Educational & Cultural Trust		432,282,588
		432,282,588



Schedule - 4
Fixed Assets as on 31-03-2016

FIXED ASSETS	Gross Block as on		Additions as on	Gross Block as on	%	DEPRECIATION		NET BLOCK
	31/03/2015	31/03/2016				31/03/2016	31/03/2016	
Capital Work In Progress	30,656,903			30,656,903				30,656,903
Airconditioners	539,798	579,512		1,119,310	4.75	74,816	53,167	991,327
Audio & TV Sets	678,174	-		678,174	4.75	105,099	32,213	540,862
Audio Visual Equipments	57,675,782	-		57,675,782	7.07	20,382,903	4,077,678	33,215,201
Buildings	237,714	3,695,040		3,932,754	1.63	3,875	64,104	3,864,775
Computer Systems	76,841,588	1,438,038		78,279,626	4.75	18,353,224	3,718,282	56,208,120
Dish Equipments	150,000			150,000	4.75	28,500	7,125	114,375
EPABX	435,232			435,232	4.75	82,696	20,674	331,862
Electrical Fittings	5,014,927	278,755		5,293,682	4.75	1,441,252	251,450	3,600,980
Electronic Document Shredder	36,425			36,425	4.75	8,650	1,730	26,045
Fire Equipments	4,236,082			4,236,082	4.75	802,940	201,214	3,231,928
Furniture & Fixtures	186,731,253	36,700		186,767,953	6.33	51,990,414	11,822,411	122,955,128
Generator	6,533,287	85,875		6,619,162	4.75	1,540,342	314,410	4,764,410
Garden Equipment	279,252			279,252	4.75	53,056	13,264	212,932
Internet Connections	638,441			638,441	4.75	156,006	30,326	452,109
Kitchen Equipments	13,505,337	186,175		13,691,512	4.75	2,932,734	650,347	10,108,431
Laboratory Equipments	80,082,558	27,193,497		107,276,055	4.75	17,798,826	5,095,613	84,381,616
Library	63,084,339	990,075		64,074,414	20.00	65,778,393	12,814,883	(14,518,862)
Miscellaneous Assets	2,553,521	7,950		2,561,471	9.50	1,090,536	243,340	1,227,595
Overhead Projectors	8,296,867	145,062		8,441,929	4.75	1,911,941	400,992	6,128,996
Office Equipments	13,900,815	251,505		14,152,320	4.75	3,460,545	672,235	10,019,540
Research & Development	60,265,612			60,265,612	-			60,265,612
Sports Equipments	3,696,529	244,338		3,940,867	4.75	765,807	187,191	2,987,869
Vehicle	12,232,187			12,232,187	9.50	6,452,550	1,162,058	4,617,579
Vehicle (Tata Indica)	673,009			673,009	9.50	255,744	63,936	353,329
Vehicle (Accent - Viva)	3,034			3,034	9.50	1,152	288	1,594
Water Equipments	3,304,367			3,304,367	4.75	793,896	156,957	2,353,514
Xerox Machine	2,527,869	138,250		2,666,119	4.75	586,256	126,641	1,953,222
Total	634,810,902	35,270,772		670,081,674		196,852,153	42,182,529	431,046,992



JAIN UNIVERSITY TRUST
SCHEDULES

PARTICULARS	Amount(Rs.)	Amount(Rs)
SCHEDULE 5		
<u>Cash & Bank Balances</u>		
Cash on Hand	2,272,683	
Cash at Bank	33,211,111	
Total		35,483,794



Schedule 6

PARTICULARS	Amount(Rs)	Amount (Rs.)
DEPOSITS, ADVANCES & RECEIVABLES		
(a) Deposits		
BSNL - New Delhi	4,963,500	
Fixed Deposit	110,834,847	
Fixed Deposit - with Bank Guarantee	2,684,822	
Fixed Deposit - PU Board	440,000	
Gas Deposits	116,843	
JVN Gratuity Fund	1,182,691	
JVN Medical Aid Fund	715,125	
Karnataka State Open University	100,000	
KEB Deposits	572,084	
KSRTC Deposit	1,406,248	
Managing Director - Bamul	2,000,000	
Telephone Deposits	127,530	
Total Oil India Pvt Ltd	350,000	
The Member Secretary, AICTE, New Delhi	500,100	
	(A)	125,993,790
(b) Advances & Receivables		
Staff & Other Advances	6,862,183	
Advance for House Hire	555,000	
TDS Refund	139,500	
Other Advances & Receivables	110,092,770	
	(B)	117,649,453
Total		243,643,243



JAIN UNIVERSITY TRUST
SCHEDULES

Schedule 7

PARTICULARS	Amount(Rs)	Amount (Rs.)
<u>Current Liabilities</u>		
A) Advance Fees & Other Liabilities		
Advance Fees	4,038,000	
Caution Deposit	9,742,082	
Professional Tax Payable	81,950	
Salary Payable	165,840	
TDS Payable	4,108,346	
Interest & Rent Payable	1,368,221	
	(A)	19,504,439
<u>B (II) Sundry Creditors for Expenses</u>		
Sundry Creditors	34,569,461	
	B(II)	34,569,461
	Total	54,073,900



Schedule 8

PARTICULARS	Amount (Rs)	Amount (Rs.)
<u>ACADEMIC & ADMINISTRATIVE EXPENSES</u>		
Advertisement & Seminars	8,467,248	
Affiliation & Exam Fees	8,639,659	
Books, Medicine & Uniforms	4,877,789	
Building & Other Insurance	2,514,216	
Catering Services	70,131,956	
Consultancy Charges	115,082,514	
Conveyance Expenses	495,858	
Courier & Freight Charges	97,429	
Donation	20,000	
Electricity & Water Charges	57,158,835	
ESIC	308,379	
Functions & Celebrations	9,142,626	
General Expenses	1,117,234	
Gifts and Mementoes	1,135,201	
Gratuity	4,884,656	
Honararium	14,147,284	
House Keeping & Security Charges	90,172,591	
Internet Charges	984,303	
Laboratory Consumables	16,148,252	
Newspaper & Periodicals	2,447,430	
Postage & Telegrams	345,656	
Printing & Stationery	17,268,525	
Provident Fund	14,888,984	
Pooja Exp	339,687	
Rent	94,414,587	
Salaries	428,683,399	
Staff Welfare Expenses	984,781	
Student Welfare Expenses	10,789,189	
Telephone Charges	964,376	
Tours & Transportation Expenses	51,936,937	
Training Programme & Work Shop Expenses	5,839,255	
		1,034,428,836



Schedule 9

PARTICULARS	Amount(Rs)	Amount (Rs.)
<u>FINANCIAL EXPENSES</u>		
Bank Charges	1,080,637	
Reimbursement of Interest	81,512,821	
		82,593,458
<u>Schedule 10</u>		
<u>MAINTENANCE ACCOUNT</u>		
Computer Maintenance	765,770	
Electrical Maintenance	137,099	
Generator Maintenance	768,685	
Garden Maintenance	704,680	
Kitchen Maintenance	502,533	
Office Maintenance	2,884,500	
Repairs & Maintenance	5,850,176	
Sports Maintenance	5,215,907	
Vehicle Maintenance A/c	10,403,674	
		27,233,024



Jain University Trust

Balance Sheet, Income & Expenditure Account

As on 31-03-2015

JAIN UNIVERSITY TRUST
Balance Sheet as at 31.03.2015

LIABILITIES	SCH.	Rs.	Rs.	Rs.
Sources of Funds:				
I) Corpus Fund				250,000,000
II) Infrastructure Fund	1			2,000,000
III) Unsecured Loan	3			352,149,016
				604,149,016
ASSETS				
Application of Funds :				
(I) Fixed Assets				
Gross Block			634,810,902	
Less : Depreciation	4		196,852,154	
Net Block				437,958,748
(II) Current Assets				
ii) Cash & Bank Balances	5	18,325,424		
(III) Deposits, Advances & Receivables	6	252,421,983		
		270,747,407		
Less : Current Liabilities	7	146,483,182		
Net Current Assets			124,264,225	124,264,225
Miscellaneous Expenditure (to the extent not written off)				
Income & Expenditure Account	2			41,926,043
				604,149,016

FOR JAIN UNIVERSITY TRUST

TRUSTEE

TRUSTEE

DATE :
PLACE : BANGALORE



*Samples from the books of Accounts
produced and information and particulars
furnished to us*

**For TARA & MURTHY
Chartered Accountants**

M.V. Narayana Murthy



JAIN UNIVERSITY TRUST

Income & Expenditure Account for the year ended 31.03.2015

<u>Income :</u>	SCH.	Rs.	Rs.
Fees and Other Contributions			1019973767
Miscellaneous Income			10778213
			1030751980
<u>Expenditure</u>			
Academic & Admin. Expenses	8	911,037,103	
Financial Expenses	9	83,329,521	
Maintenance Account	10	19,123,456	
Depreciation		40,470,509	1053960589
			1053960589
Excess of Expenditure Over Income			-23208609
Less : Transferred to Infrastructure Fund			0
NET SURPLUS			-23208609

FOR JAIN UNIVERSITY

A. Choudhary
TRUSTEE

TRUSTEE

DATE :
PLACE : BANGALORE



*Complet from the books of account
produced and information as particulars
furnished to us*

For TARA & MURTHY
Chartered Accountants

M.V. Narayana Murthy
Partner



JAIN UNIVERSITY TRUST
SCHEDULES

PARTICULARS	Amount (Rs)	Amount (Rs.)
Capital/General/Building & Asset Fund		
Opening Balance	250,000,000	
	250,000,000	
		250,000,000

For JAIN UNIVERSITY



A. Choudhary
Trustee



JAIN UNIVERSITY TRUST
SCHEDULES

Schedule 1

PARTICULARS	Amount (Rs)	Amount (Rs.)
Infrastructure Fund		
Opening Balance	2,000,000	
		2,000,000

For JAIN UNIVERSITY



R. Choudhary
Trustee



Schedule 2

PARTICULARS	Amount (Rs)	Amount (Rs.)
Income & Expenditure A/c		
Opening Balance	(18,717,435)	
	(18,717,435)	
Add : Excess of Expenditure over Income	(23,208,609)	
		(41,926,043)

Schedule 3

PARTICULARS	Amount (Rs)	Amount (Rs.)
Unsecured Loan		
Sri Bhagawan Mahaveer Jain Educational & Cultural Trust		352,149,016
		352,149,016

For JAIN UNIVERSITY



A. Chelvi
Musure



**SRI BHAGAWAN MAHAVEER JAIN EDUCATIONAL &
CULTURAL TRUST**
SCHEDULES

PARTICULARS	Amount(Rs.)	Amount(Rs)
SCHEDULE 5		
<u>Cash & Bank Balances</u>		
Cash on Hand	2,179,773	
Cash at Bank	16,145,651	
Total		18,325,424

For JAIN UNIVERSITY



A. Chavhan
Trusted



Schedule 9

PARTICULARS	Amount(Rs)	Amount (Rs.)
FINANCIAL EXPENSES		
Bank Charges	298,908	
Reimbursement of Interest	83,030,613	
		83,329,521
Schedule 10		
MAINTENANCE ACCOUNT		
Computer Maintenance	421,737	
Electrical Maintenance	888,757	
Generator Maintenance	367,757	
Garden Maintenance	943,146	
Kitchen Maintenance	4,418,784	
Office Maintenance	1,120,112	
Repairs & Maintenance	4,229,797	
Sports Maintenance	2,798,571	
Vehicle Maintenance A/c	3,934,795	
		19,123,456

For JAIN UNIVERSITY



A. Chetty
Trusted



Jain University Trust Balance Sheet, Income & Expenditure Account As on 31-03-2014

JAIN UNIVERSITY TRUST
Balance Sheet as at 31.03.2014

LIABILITIES	SCH.	Rs.	Rs.	Rs.
Sources of Funds:				
I) Corpus Fund			250,000,000	250,000,000
II) Infrastructure Fund	1			2,000,000
III) Unsecured Loan	3			329,868,281
				581,868,281
ASSETS				
Application of Funds :				
(I) Fixed Assets				
Gross Block			584,395,839	
Less : Depreciation	4		156,381,645	
Net Block				428,014,194
(II) Current Assets				
ii) Cash & Bank Balances	5	9,294,867		
(iii) Deposits, Advances & Receivables	6	269,166,620		
		278,461,488		
Less : Current Liabilities	7	143,324,835		
Net Current Assets			135,136,653	135,136,653
Miscellaneous Expenditure (to the extent not written off)				
Income & Expenditure Account	2			18,717,435
				581,868,281

FOR JAIN UNIVERSITY
FOR JAIN UNIVERSITY

M. V. Narayana Murthy
TRUSTEE **MURTHY**

TRUSTEE

DATE :
PLACE : BANGALORE



Compiled from the books of
accounts produced & information
& particulars furnished
For **TARA & MURTHY**
Chartered Accountants

M. V. Narayana Murthy
M.V. Narayana Murthy



JAIN UNIVERSITY TRUST

Income & Expenditure Account for the year ended 31.03.2014

<u>Income :</u>	SCH.	Rs.	Rs.
Fees and Other Contributions			985182825
Miscellaneous Income			73079815
			1058262641
<u>Expenditure</u>			
Academic & Admin. Expenses	8	840,737,398	
Financial Expenses	9	113,287,726	
Maintenance Account	10	44,402,757	
Depreciation		37,136,074	1035563956
			1035563956
Excess of Income Over Expenditure			22698684
Less : Transferred to Infrastructure Fund			0
NET SURPLUS			22698684

FOR JAIN UNIVERSITY

M. Chaudhary
TRUSTEE *Murthy*

TRUSTEE

DATE :
PLACE : BANGALORE

Compiled from the books of accounts produced & information & particulars furnished to us

For TARA & MURTHY
Chartered Accountants

M.V. Narayana Murthy
Partner

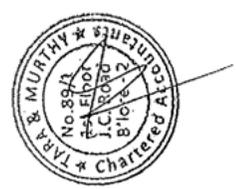


JAIN UNIVERSITY TRUST
SCHEDULES

PARTICULARS	Amount (Rs)	Amount (Rs.)
Capital/General/Building & Asset Fund		
Opening Balance	250,000,000	
	250,000,000	
		250,000,000

For JAIN UNIVERSITY

P. Murali
Trustee

JAIN UNIVERSITY TRUST
SCHEDULES

Schedule 1

PARTICULARS	Amount (Rs)	Amount (Rs.)
Infrastructure Fund		
Opening Balance	2,000,000	
		2,000,000

For JAIN UNIVERSITY



A. M. S.
Trustee



Schedule 2

PARTICULARS	Amount (Rs)	Amount (Rs.)
Income & Expenditure A/c		
Opening Balance	(41,416,119)	
	(41,416,119)	
Add : Excess of Income over Expenditure	22,698,684	
		(18,717,435)

Schedule 3

PARTICULARS	Amount (Rs)	Amount (Rs.)
Unsecured Loan		
Sri Bhagawan Mahaveer Jain Educational & Cultural Trust	329,868,281	
		329,868,281

For JAIN UNIVERSITY



A. Choudhary
Trustee



Schedule - 4
Fixed Assets as on 31-03-2014

FIXED ASSETS	Gross Block		Additions as on	Gross Block		%	DEPRECIATION		NET BLOCK	
	as on 31-03-2013	31-03-2014		as on 31-03-2013	as on 31-03-2014		Depreciation as on 31-03-2013	Depreciation During the year 31-03-2014	Fixed Assets As on 31-03-2014	Fixed Assets As on 31-03-2014
Capital Work In Progress	30656903			30,656,903						30,656,903
Airconditioners	345098			345,098	4.75	32,784	16,392			295,922
Audio & T V Sets	678174			678,174	4.75	40,673	32,213			605,288
Audio Visual Equipments	5708437	197,504		57,281,941	7.07	12,255,392	4,049,833			40,976,716
Computer Systems	74396709	1,447,582		75,844,291	4.75	11,100,645	3,602,604			61,141,042
Dish Equipments	150000			150,000	4.75	14,250	7,125			128,625
EPABX	435232			435,232	4.75	41,348	20,674			373,210
Electrical Fittings	4883788			4,883,788	4.75	971,063	231,980			3,680,745
Electronic Document Shredder	36425			36,425	4.75	5,190	1,730			29,505
Fire Equipments	4226715			4,226,715	4.75	400,957	200,769			3,624,989
Furniture & Fixtures	154667184			154,667,184	6.33	30,379,893	9,790,433			114,496,858
Generator	6182376	251,754		6,434,130	4.75	924,390	305,621			5,204,119
Garden Equipment	279252			279,252	4.75	26,528	13,264			239,460
Internet Connections	638441			638,441	4.75	95,354	30,326			512,761
Kitchen Equipments	13020689	150,025		13,170,714	4.75	1,665,621	625,609			10,879,484
Laboratory Equipments	64848587	3,547,158		67,895,745	4.75	10,769,856	3,225,048			53,900,841
Library	57319981	2,935,597		60,255,578	20.00	41,110,409	12,051,116			7,094,053
Miscellaneous Assets	2538865	14,656		2,553,521	9.50	605,368	242,584			1,705,569
Overhead Projectors	7933474	221,850		8,155,024	4.75	1,130,476	387,364			6,637,184
Office Equipments	12472080	682,996		13,155,076	4.75	2,175,390	624,866			10,354,820
Research & Development	60265612			60,265,612	-	-	-			60,265,612
Sports Equipments	2496529	1,150,000		3,646,529	4.75	417,012	173,210			3,056,307
Vehicle	12232187			12,232,187	9.50	4,128,434	1,162,058			6,941,695
Vehicle (Tata Indica)	673009			673,009	9.50	127,872	63,936			481,201
Vehicle (Accent - Viva)	3034			3,034	9.50	576	288			2,170
Water Equipments	3304367			3,304,367	4.75	479,982	156,957			2,667,428
Xerox Machine	2527869			2,527,869	4.75	346,108	120,074			2,061,687
Total	572,797,017	10,598,822		584,395,839		119,245,571	37,186,074			428,014,194



For JAN UNIVERSITY
R. M. M. M.

JAIN UNIVERSITY TRUST
SCHEDULES

Schedule 7

PARTICULARS	Amount(Rs)	Amount (Rs.)
Current Liabilities		
A) Advance Fees & Other Liabilities		
Advance Fees	5,743,833	
Other Liabilities	1,319,933	
Duties & Taxes payable	25,456,872	
Provident Fund Payable	88,950	
Salary Payable	9,045,977	
Interest & Rent Payable	2,258,168	
	(A)	43,913,733
B (II) Sundry Creditors for Expenses		
Sundry Creditors - SBMJC-SGS	13,584,795	
Sundry Creditors - SBMJC-CMS	24,253,873	
Sundry Creditors - JU	10,306,636	
Sundry Creditors - HNA	11,014	
Sundry Creditors - SBMJET	816,300	
Sundry Creditors - SBMJCE	47,434,413	
Sundry Creditors - JVN	2,447,547	
Sundry Creditors - SBMJC	556,525	
	B(II)	99,411,102
	Total	143,324,835

For JAIN UNIVERSITY



P. Chellay
Trustee



Schedule 8

PARTICULARS	Amount(Rs)	Amount (Rs.)
ACADEMIC & ADMINISTRATIVE EXPENSES		
Advertisement & Seminars	11,238,397	
Affiliation & Examination Fees	6,899,142	
Books, Medicine & Uniforms	2,180,015	
Building & Other Insurance	1,652,799	
Catering Services	71,893,860	
Conveyance Expenses	296,853	
Courier & Freight Charges	65,639	
Consultancy	53,635,835	
Electricity & Water Charges	54,708,762	
ESIC	1,009,657	
Functions & Celebrations	9,247,626	
General Expenses	2,138,078	
Gifts and Mementoes	847,593	
Gratuity	654,987	
Honorarium	9,106,051	
House Keeping & Security Charges	69,000,276	
Internet Charges	968,688	
Laboratory Consumables	3,536,693	
Newspaper & Periodicals	2,204,913	
Postage & Telegrams	699,565	
Printing & Stationery	20,322,094	
Provident Fund	12,775,404	
Rent	88,756,039	
Salaries	351,576,294	
Staff Welfare Expenses	522,878	
Student Welfare Expenses	8,811,937	
Telephone Charges	1,216,802	
Tours & Transportation Expenses	42,753,099	
Training Programme & Work Shop Expenses	12,017,421	
		840,737,398

For JAIN UNIVERSITY



Trustee



Schedule 9

PARTICULARS	Amount(Rs)	Amount (Rs.)
FINANCIAL EXPENSES		
Bank Charges	222,331	
Reimbursement of Interest	113,065,395	
		113,287,726
Schedule 10		
MAINTENANCE ACCOUNT		
Computer Maintenance	727,122	
Electrical Maintenance	80,796	
Generator Maintenance	482,245	
Garden Maintenance	930,011	
Kitchen Maintenance	16,083,690	
Office Maintenance	1,114,429	
Repairs & Maintenance	12,241,334	
Sports Maintenance	2,523,468	
Vehicle Maintenance A/c	10,219,661	
		44,402,757

For JAIN UNIVERSITY



A. Chelvi
Trustee



ANNEXURE -IV

Corpus Fund

No. 1216

This is not a Negotiable Document
STATE BANK OF TRAVANCORE
 BANGALORE CITY P.B.NO.1808
 TIPPUSULTAN PALACE ROAD CHAMARAJPET P.O. 560018
 Tel: 26702833

TERM DEPOSIT ADVICE
 (In lieu of Term Deposit Receipt)

JAIN UNIVERSITY TRUST
 91/2,DR.A.N.KRISHNA RAO ROAD
 V V PURAM
 Bangalore

03/04/2017

Nomination :
 Date:

Dear Sir / Madam,

We have pleasure in confirming details of the following amount held in deposit with us.
 Please quote JAIN UNIVERSITY TRUST in all your correspondence for banking with ABES1497G

Name (s):
 Scheme : TDR-GEN-PUB-OTH-1Y2-INR

Mode of operation :

Account Number	Term	Interest @	Principal Amount	Value Date	Maturity Date
67238113654	1 Y	6.75 %	INR 98,87,562.00	3.8.2016	3.8.2017

INR 1,01,90,177.00

Maturity Amount 1,71,959.237
 Interest Frequency 3A

Printed 1 times

Yours faithfully,
 BALAKRISHNA C.
 (Authorised Signatory) B-355 P.T.O.

अहस्तांतरणीय NOT TRANSFERABLE	 THE KARNATAKA BANK LTD. Regd. & Head Office: MANGALORE - 575 002 ದಿ ಕರ್ನಾಟಕ ಬ್ಯಾಂಕ್ ಲಿ. ದಿ ಕರ್ನಾಟಕ ಬೆಂಕ ಲಿ.		SNSP/TDR/C BRANCH: 471307 BENGALURU - BANASWADI			
	FIXED DEPOSIT					
Received from 1.M/S JAIN UNIVERSITY REP BY SEC CHENRAJ JAIN #91/2, DR A N KRISHNA RAO ROAD V V PURAM, BANGALORE-560004 BENGALURU - 560004		Customer ID: 126105070 Auto Renewal : No				
the sum of Rs. Rs.80,19,317.00 (Eighty Lakh Nineteen Thousand Three Hundred Seventeen						
L.F. No.	Nature of Deposit and Receipt No.	Issue Date	Period	Interest Rate	Maturity Date	Nomination Registration No.
			Days : Months : Years :			
	1261500200183801	23-11-2014	5 Yrs	8.75%	23-11-2019	
W.E.F 23-11-2014		Repayable to: SELF		If Minor, Date of Birth		
Maturity Value Rs.:				PAN : AABTS1497G		
INTEREST PAYABLE QUARTERLY. THE INTEREST PAYABLE IS SUBJECT TO REDUCTION OF TAX AT SOURCE AT THE APPLICABLE RATE AS PER INCOME TAX RULES UNLESS OTHERWISE ELIGIBLE FOR EXEMPTION.				Vidya Rao-B Vidya Rao. B Officer Staff No. 6567 PA No. 3714 Authorised Signatory		
F.No. 691		Interest ceases from maturity date. Please present this duly discharged receipt for renewal / payment. *Preferential rate is applicable only if the deposit is continued for the full contract period and in case of premature closure, interest shall be paid as per the applicable card rate only*				



केनरा बैंक Canara Bank

प्रधान कार्यालय, 112, जे सी रोड, बेंगलूर
HEAD OFFICE : 112, J.C. ROAD, BANGALORE

डी.पी. कूट
D.P. Code: **0414**

क्रमांक
SI. No. SNSA **364857**

**जमा रसीद
Deposit Receipt**

FDR GENERAL QUARTERLY INTEREST						
Received from			Branch : BANGALORE VIEWESWARAI CREAM CITY			
1. M. JAIN UNIVERSITY			Date of Deposit : 14/12/2012			
2. 91/2, RANK ROAD,			Customer ID : 9064347			
VV PURAM, BANGALORE			Account No : 0414303000986/1			
the sum of (in words) RUPEES ONE CRORE ONLY			D.O.B (if minor) :			
Condition of Repayment:			Nomination Regd : NO			
			Nominnee :			
Value Date	Deposit Amount	Deposit Period	Rate of Interest (%) p.a	Total Interest	Maturity Date	Maturity Amount
14/12/2012	INR 1,00,00,000.00	60 Month @ 0 Day(s)	8.5	INR 42,50,000.00	14/12/2017	INR 1,00,00,000.00

The total interest payable and maturity value amount part withdrawal mentioned herein are subject to TDS, as applicable from time to time.

MPP
Prepared By

Karvee Shrestha
Supervisor

For Canara Bank
[Signature]
Authorized Signatory

Please see on reverse for important information.



सिंडिकेटबैंक
SyndicateBank
Head Office: Manipal - 576 104
Your faithful & friendly financial partner

ID 18901450.

प्र.का. मणिपाल - 576104 (कर्नाटक)
H.O. MANIPAL - 576 104 (Karnataka)

अहस्तांतरणीय
NOT TRANSFERABLE

FD V.V. Puram Bengaluru Branch
(One Crore Rupee)
(व्यवसाय योजना/प्लान का नाम) / Name of the Deposit Scheme/Plan

क्रम.सं./Sl. No. SBE 521476

Received from: JAIN UNIVERSITY
NO. 91/2 DR. A.N. KRISHNA RAO Rd
V.V. Puram Bengaluru

खाता नं./A/c. No. 440/457/19/2

बारी करने की तारीख / Date of Issue 4.11.2011

स्वीकृति की तारीख / Date of Acceptance 4.11.2011

व्यवसाय की अवधि / Period of Deposit 12m

स्वादा दर / Rate of Interest 9.25

व्याज की अदायगी, मासिक/त्रैमासिक/अर्ध-वार्षिक / Interest Payment: Mthly/Qty/Hyly

परिपक्वता की तारीख / Date of Maturity 4.11.2012

परिपक्वता रकम (पुनर्निवेश योजना के मामले में) / Maturity Amount (in case of Reinvestment Plan)
₹. 1,00,00,000/-

₹. 1,00,00,000/-
(इसके शब्दों में / Rupees in words) One CRORE ONLY

Repayable to (in case of joint A/c) को प्रतिदेय (संयुक्त खाते के मामले में)

व्यवसाय की जन्म तिथि (यदि नामांकित हो तो) / Date of Birth of Depositor (if Minor)

नामांकन / Nomination तारीख / Date: पंजीकरण सं. / Regn. No.:

समय समय पर लागू होने वाले बैंक के नियमों के अधीन / Subject to the Rules of the Bank in force from time to time.

पन्ना सं. Folio No.	प्रविष्टिकर्ता Entered	पर्यवेक्षक Supervisor
		 सह. उप-प्रबंधक Asst./Sub/Chief Manager

* जो लागू नहीं है उसे काट दें Strike off inapplicable.

 सिंडिकेटबैंक Syndicate Bank <small>(A GOVT. OF INDIA UNDERTAKING)</small> Head Office: Manipal - 576 104 Your faithful & friendly financial partner	
प्र.का. मणिपाल - 576 104, (कर्नाटक) H.O. MANIPAL - 576 104, (Karnataka)	
VISWESWARAPURAM, BANGALORE शाखा / Branch	
FD(FIXED DEP 1 CRORE AND ABOVE)	
(जमावारी योजना/प्लान का नाम)/Name of the Deposit Scheme/Plan	
क्रम सं./Sl. No. SBE 522002	प्राप्त/Received from JAIN UNIVERSITY
बैंक अकाउंट नं./A/c. No. 04404570000019/1	जारी करने की तारीख/Date of Issue 18/04/2009
NO 91/2 DR A N KRISHNA RAO ROAD VV PURAM BNG BANGALORE	स्वीकृति की तारीख/Date of Acceptance 18/04/2009
से प्राप्त हुआ रकम/Amount ₹. /Rs.	जमावारी की अवधि/Period of Deposit 60 Months - 0 Days
रुपये (शब्दों में)/Rupees (In words) 1,00,00,000.00	ब्याज दर/Rate of Interest
₹. One Crore Only	ब्याज की अवधि/मासिक/त्रैमासिक/अर्ध-वार्षिक/Interest Payment: Mthly/Qty/Hlyly 6.50%
को प्रतिदेय (संयुक्त खाते के मामले में) Repayable to (in case of joint A/c)	परिपक्वता की तारीख/Date of Maturity 18/04/2014
₹. One Crore Only	परिपक्वता रकम (पुनर्निवेश योजना के मामले में)/Maturity Amount (in case of Reinvestment Plan) Quarterly
₹. One Crore Only	तारीख/Date of Birth of Depositor (if Minor)
नाम/Regn. No.	नाम/Regn. No.
समय समय पर लागू होने वाले बैंक के नियमों के अधीन/Subject to the Rules of the Bank in force from time to time.	
पन्ना सं./Folio No.	प्रविष्टिकर्ता/Entered
पर्यवेक्षक/Supervisor	सहा. उप/सुदय प्रबंधक/Asst./Sub/Chief Manager
* जो लागू नहीं है उसे काट दें Strike off Inapplicable.	



सिंडिकेटबैंक
Syndicate Bank
Head Office: Manipal - 576 104

BANGALORE

FD (FIXED DEPOSIT MONTHS AND ABOVE)

प्र.कां. मन्दिपल - 576 104, (कर्नाटक)
H.O. MANIPAL - 576 104, (Karnataka)

अहस्तांतरणीय
NOT TRANSFERABLE

शाखा/Branch _____

JAIN UNIVERSITY (व्यक्तिगत योजना/प्लान का नाम)/Name of the Deposit Scheme/Plan **04404020001110/1**

क्र.सं./Sl. No. SBE 5290018	DR A N KRISHNA RAO ROAD	18/04/2008
Received from VV PURAM	शाखा स. BNG	A/c. No. 18/04/2008
BANGALORE	बारी करने की तारीख Date of Issue	60 Months 0 Days
	स्वीकृति की तारीख Date of Acceptance	
	उपरोक्त की अवधि Period of Deposit	8.00%
	दर Rate of Interest	Quarterly
	ब्याज की अवधि: मासिक/त्रैमासिक/अर्ध-वार्षिक Interest Payment: Mthly/Qty/Hyly	18/04/2014
	परिपक्वता की तारीख Date of Maturity	50,00,000.00
	परिपक्वता रकम (सुनिश्चित योजना के मामले में) Maturity Amount (Investment Plan)	Rs. Fifty Lakh Only
रकम/Amount ₹. Rs. 50,00,000.00	से प्राप्त हुआ	₹. Rs. Fifty Lakh Only
रुपये (शब्दों में) / Rupees (in words)		
Repayable to (in case of joint A/c)	व्यक्तियों की जन्म तिथि / यदि नायासिक हो तो Date of Birth of Depositor (if Minor)	
को प्रतिदेय (संयुक्त खाते के मामले में)	नाम/नomination तारीख/Date	
	पंजीकरण सं./Regn. No.	

समय समय पर लागू होने वाले बैंक के नियमों के अधीन /Subject to the Rules of the Bank in force from time to time.

पन्ना सं. Folio No.	प्रविष्टिकर्ता Entered	S. Shashank सर्वेक्षक Supervisor
		S. Shashank सहा. /उप/मुख्य प्रबंधक Asst./Sub/Chief Manager

* जो लागू नहीं है उसे काट दें Strike off inapplicable.

अहस्तांतरणीय NOT TRANSFERABLE नियमानुसार स्रोत पर कर कटौती के अधीन Subject to TDS as per Rules

बैंक ऑफ महाराष्ट्र  **Bank of Maharashtra**

खाता क्र. **AO 402-BANGALORE SHIVAJINAGAR** शाखा / Branch
A/C NO. **2011 No. 011718** MAHALAXMI DEP-PUBOTH

A/C NO: 60230075181 TDS will be deducted as per rules
Receipt No: 11718 unless Form 15H/15G/PAN No is submitted.

जारी करने का दिनांक/ Date of Issue **24/09/2015** के अनुसार/ As of **24/09/2015** नियत दिनांक/ Due Date **24/09/2018**

प्राप्त रु./ Received Rs. **INR 4,00,00,000.00** रु./ Rs. **INR Four Crore only.**

से/ from **JAIN UNIVERSITY**

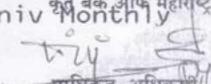
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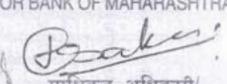
जमा राशि के रूप में
as a deposit for **3 Years**
अवधि समाप्ति पर रकम रु./ on maturity, Value Rs.

वर्ष / माह की अवधि के लिए
months/years at the rate of **7.7500** प्र. व. की ब्याज दर से
को देय / payable to **%P.A.**

Interest Payable **INR 256683.00** Anniv **Monthly** कृपे बैंक ऑफ महाराष्ट्र FOR BANK OF MAHARASHTRA

क्रमांक के अंतर्गत दिनांक को नामांकन पंजीकृत
Nomination Registered on date under Sr. No.

 प्राधिकृत अधिकारी/
AUTHORISED OFFICIAL

 प्राधिकृत अधिकारी/
AUTHORISED OFFICIAL

ANNEXURE -V

Statement of Compliance



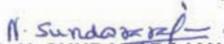
Statement of Compliance
(Deemed Universities)

This is to Certify that **Jain University** has complied with all the provisions of the following Regulations governing it:

- UGC (Institutions Deemed-to-be-Universities) Regulations 2016 and further amendments, if any, notified by the UGC.
- DEC approval for distance education programme (Not Applicable).
- Approval by the UGC and MHRD for main campus, off-campus and off-shore – as applicable.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Date: 15/04/2017


DR. N. SUNDARARAJAN
Vice Chancellor

www.jainuniversity.ac.in

Corporate Office
91/2, Dr. A N Krishna Rao Road
V V Puram, Bangalore - 560 004
P+91 80 4343 1000

Jain Global Campus
45th km, NH - 209, Jakkasandra Post
Kanakapura Taluk, Ramanagara District - 562 112
P+91 80 2757 7250 - 258



ANNEXURE -VI
50-Point Assessment
Indicators

Sl.No.	Core Indicators	Answer
1.	Percentage of courses where major syllabus restructuring was carried out during last 3 years	100%
2.	Temporal Plan in more than 50% of programmes (CBCS) / Semester/Annual)	Semester System in all programmes. Choice Based Credit System introduced in all Undergraduate Programmes.
3.	(i) Percentage of teachers with Ph.D qualification for General Courses (ii) Percentage of teachers with PG qualification for professional courses (For ex. MD / DM for Medicine and ME / MS for Engineering)	37.4% For General Courses 37.4% (ii) 100%
4.	Student computer ratio	5:1
5.	The number of departments with UGC/SAP/CAS/ DST/FIST etc., in University	1 FIST at Center for Emerging Technology
6.	No. of Post-Doctoral Fellows/Research Associates working Locals Outsiders	21 Research Associates and 1 D.Litt 17 Locals 04 Outsiders
7.	No. of Ongoing Research Projects per teacher	0.57 [Refer: Criterion 3: Response in 3.2.3]
8.	No. of completed research projects per teacher (Funded by National / International Agencies)	0.92 [Refer: Criterion 3: Response in 3.2.6]
9.	Coordinated / Collaborative projects (National and International)	12 [Refer: Criterion 3: Response in 3.2.4]

Sl.No.	Core Indicators	Answer
10.	National recognitions for faculty for Teaching/ Research/Consultancy/Extension (by reputed/ recognized bodies)	190 (Refer p.g No 8 of Executive Summary and Page 75 of SSR Part I & Evaluative Reports Q. 26 & 29. of SSR Part II
11.	No. of Patents (last 5 years)	Granted: 04 ; Filed -27 [Refer: Criterion 3: Response in 3.2.2]
12.	Output of M.Phil and Ph.D per faculty	Ph . D - 0.54 M. Phil - 1.25 M. Tech - 2.55
13.	Revenue generated from consultancy per year	389.58 Lakhs
14.	Number of MoUs with International recognized bodies	39
15.	Publications per faculty	21.83
	Total number of Publications of the University	2860
	Percentage of papers published in Journals listed in well-known International database	52.03
16.	Average impact factor of publications	2.42
17.	Number of papers with more than 10 citations	292
18.	Number of book titles per student (in the central library) excluding book bank	11.25
19.	Percentage of annual allocation for library spent on purchase of journals (National & International) and other library resources (CDs, Cassettes, etc.)	16.23%
20.	No. of National / International conferences / workshops organized per department per year and names of experts participated	21 - International 132 - National 214– workshops

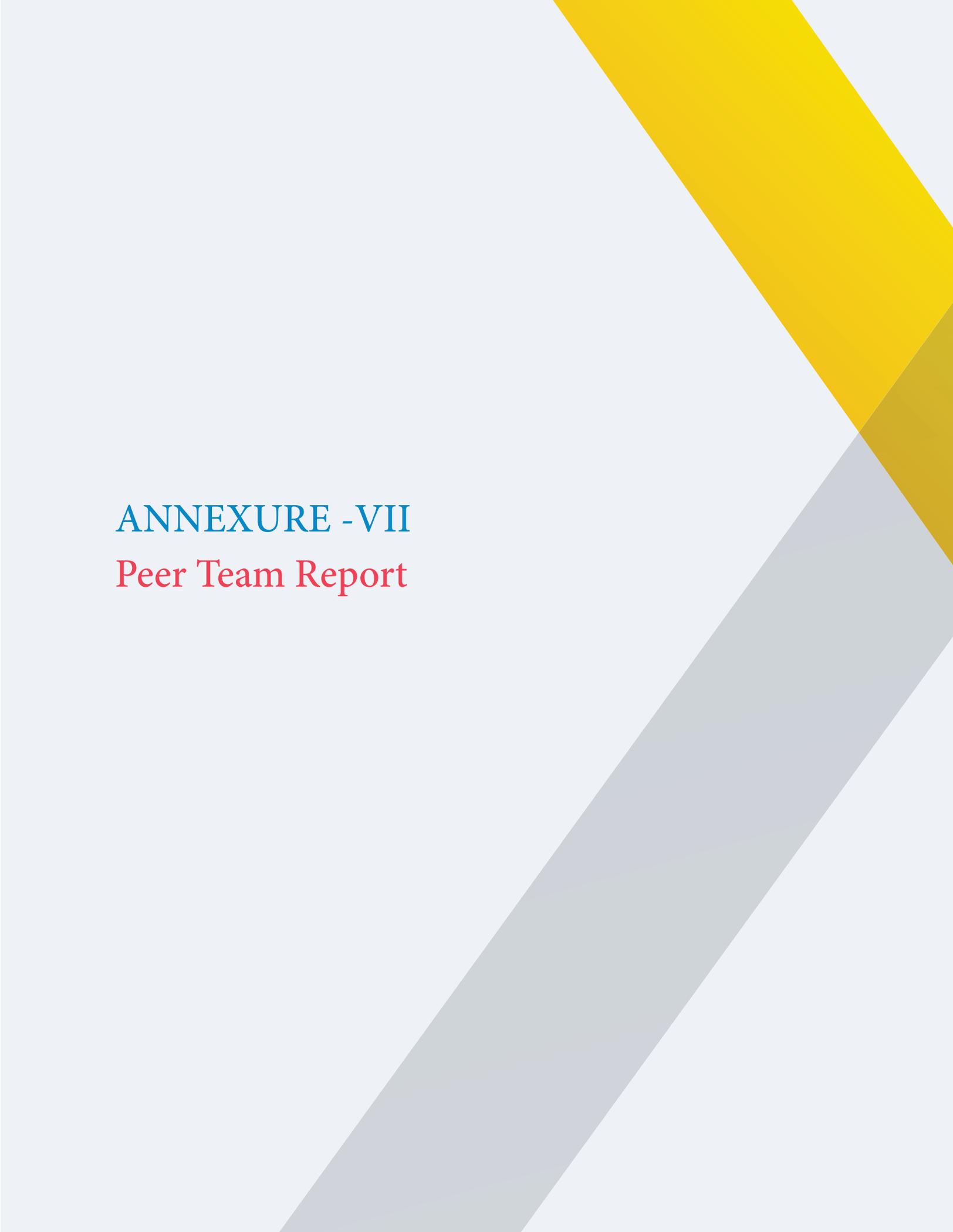
Sl.No.	Core Indicators	Answer
21.	Student performance in National / International level exams (eg: NETSLET/GATE/GMAT/CAT/GRE/ TOFEL, Civil services)	38%
22.	Student Teacher Ratio (average across all disciplines)	20 : 1
23.	University has the following : IQAC Accreditation by National Body International accreditation / ISO Certification AAA	YES YES YES YES
24.	Outstanding Achievements / Recognition by faculty / alumni both at National and International level	65
25.	Outstanding performance of students in Sports/ Cultural activities at National level	304 Representation includes Sports/ Cultural activities in International / National / State and University levels. Olympics World Championships Indian Cricket Team State Cricket Team IPL Youth Exchange Programmes International Cultural Festivals Special Camps RD Parade ID Parade
26.	Feedback received from different stake holders on syllabi etc Students Alumni Parents Employers Peers	YES YES YES YES YES
27.	Percentages of recommendations of the stakeholders implemented	97.67%

Sl.No.	Core Indicators	Answer
28.	Number of interdisciplinary course combinations introduced during last five years as percentage of total programmes	13
29.	Percentage of Departments conducting tutorial classes	100%
30.	Number of courses, where continuous assessment of student performances is structured into the system	Continuous Assessment is structured into all courses including M. Phil and Ph. D
31.	Percentage of faculty availing international fellowship for advance studies	4.69%
32.	Percentage of courses / programmes that formally integrate-learning resources from National Programmed Teaching Enhanced Learning (NPTEL) Digital Library Retrieval	<p>90%</p> <p>Technology Enhanced learning is introduced for B.Com & BBA courses.</p> <p>The University has a Center for Virtual Learning and Innovation through which lectures are digitized and delivered 24x7</p> <p>Engineering students are encouraged to use NPTEL. NPTEL link provided through the website of the library. (212 till date)</p> <p>Learning Management Software (LMS) has been implemented in all campuses.</p> <p>The library is well equipped with e-learning resources</p>
33.	Percentage of annual budget allocated for augmentation of infrastructure facilities (average of last 3 years)	20.67%
34.	Total number of Class Rooms, Seminar Halls with LCD/OHP etc.	Class rooms: 229 Seminar halls: 15

Sl.No.	Core Indicators	Answer
35.	Declaration of results within 15 Days 1 Month 2 Months	10 days for UG programmes 20 days for PG programmes
36.	Average pass percentage of students	88.67% [Refer: Criterion 5: Response in 5.1.22]
37.	Average Student Placement percentage per year	87%
38.	Percentage of student progression to higher education	Ph.D to Post-Doctoral - 1% PG to Ph.D- 12% UG to PG -63%
39.	Average drop-out percentage of students	2%
40.	Unit cost of Education (excluding salary)	Rs. 54,444/-
41.	Aggregate percentage of seats filled against seats reserved for various categories as per applicable reservation policy	74%
42.	No. of differently abled persons on roll: Teaching / Non-Teaching / Students	Teaching – 02 Non-Teaching – 03 Students - 04
43.	Percentage representation of staff (Teaching / Non-Teaching) in decision making bodies	60%
44.	*Percentage of autonomous colleges to the total number of colleges	Not Applicable
45.	Percentage of teachers from other states	44% [Refer: Criterion 2: Response in 2.4.3]
46.	Donations received for institution of Chairs, endowments, seminars, and lecture series in crores of INR in last 5 years	76.87 lakhs

Sl.No.	Core Indicators	Answer
47.	Contribution of Alumni / parents (average of last years) for development of university in lakhs)	NIL
48.	Percentage of Female Students	62.72%
49.	Number of programmes attended / organized for professional development of staff per year	37
50.	Projection of successful innovative practices	05 University Best Practices 48 Department Best Practices [Refer: Criterion 7: Response in 7.3.1

* Applicable only to the affiliating universities



ANNEXURE -VII
Peer Team Report

PEER TEAM REPORT

ON

**INSTITUTIONAL ASSESSMENT & ACCREDITATION
(FIRST CYCLE)**

of

**JAIN UNIVERSITY
34, I Cross, (Adjacent to Bengaluru Stock
Exchange), JC Road Bengaluru - 560 027**

Dates of Visit:

29 to 31 October 2015



**National Assessment and Accreditation Council
An Autonomous Institution of the University Grants Commission
P. Box No.1075, Nagarbhavi
Bangalore - 560 072
INDIA**

Dr. Bandyopadhyay 31/10/15

Section I: GENERAL INFORMATION	
1.1 Name & Address of the Institution:	JAIN UNIVERSITY No: 34, 1 st cross (Adjacent to Bengaluru Stock Exchange) JC Road, Bangalore - 560027 Karnataka
1.2 Year of Establishment:	2009
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	6
• Departments:	22
• Programmes / Courses offered:	203
• Permanent Faculty Members:	421
• Permanent Support Staff:	383
• Students:	8006
Three major features in the institutional Context (As perceived by the Peer Team)	<ul style="list-style-type: none"> The Institution is a private Deemed University run by the Jain University Trust. It is a multi-faculty university offering courses in Engineering, Management, Sciences, Humanities and Social Sciences in five different campuses The infrastructure, especially for sports and games, is excellent and the institution has produced a host of national and international stars.
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	29 th to 31 st October 2015
1.6 Composition of the Peer Team which undertook the on-site visit:	
Chairperson Prof. Dilip Bandyopadhyay Vice-Chancellor IMS Unison University Dehradun – 248 009.	Member Co-ordinator Prof. A Joseph Dorairaj Professor of English Gandhigram Rural Institute (Deemed University) Gandhigram – 624 302, Dindigul Dt, TN
1. Prof. Vir Singh Department of Physics Indian Institute of Technology, Roorkee – 247 667	2. Prof. Keskar Avinash Dept. of Electronics & Communication Visvdsvaraya National Institute of Technology Nagpur – 440 010
3. Prof. Sher Ali Professor, Centre for Interdisciplinary Research in Basic Sciences Jamia Millia Islamia, New Delhi – 110 025	4. Prof. A M Shah The Business School University of Kashmir Srinagar – 190 006, J&K
5. Prof. Ganesh Kawadia Head, School of Economics Devi Ahilya Vishwavidyalaya Indore – 452 001, Madhya Pradesh	6. Dr. Nooraj Tripathi Banaras Hindu University Varanasi – 221 005, Uttar Pradesh
7. Dr. Sujata P Shanbhag , Assistant Adviser, NAAC, Bengaluru – 560 072	

Sher Ali A. Joseph Dorairaj Vir Singh Keskar Avinash A. M. Shah Ganesh Kawadia Nooraj Tripathi
 31/10/15
 Dr. Sujata P Shanbhag

Section II: CRITERION - WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects <i>(Please limit to three major ones for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones))</i>
2.1 Curricular Aspects:	
2.1.1 Curricular Planning and Implementation	<ul style="list-style-type: none"> • Curriculum designed/developed in consonance with university vision and as per UGC Guidelines • Suggestions from stakeholders incorporated in the curriculum • Curriculum includes theoretical and practical dimensions in many subjects
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> • Elective courses are offered in many disciplines • 68 Add-on courses are offered • Choice Based Credit System is yet to be implemented fully
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> • Some PG and UG courses started in the last four years. • Curriculum is reviewed / updated once in three years to include recent developments in the respective subjects • Syllabi of many subjects have field-based and / or internship-based training.
2.1.4 Feedback System:	<ul style="list-style-type: none"> • IQAC of University collects feedback from students on teaching / learning process at the end of each semester. • There is no mechanism to obtain feedback from all stakeholders and also to analyze the feedback collected in a systematic manner

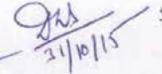
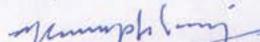
2.2 Teaching-Learning & Evaluation:	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> • Admission through advertisement in National/Regional newspapers, prospectus, university website and counselling by teachers and senior students. • Admission to various programmes is made through University entrance test and CET/MAT/XAT for some courses. • Government reservation policy is followed. • Master of Visual Arts (M.V.A), M.A (Kannada) and MA (Sanskrit) programmes were discontinued.
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> • University conducts induction programmes for the freshers • Bridge courses, remedial classes, mentoring and counselling not conducted • University-Industry interface needs strengthening
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> • Academic calendar is prepared and followed. • Details of the course are available in the University Handbook. • University invites experts to deliver specialized lectures. • ICT facilities exist

Sheela
 GAT: A
 31/10/15³
 [Signatures]

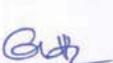
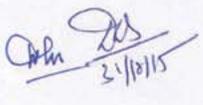
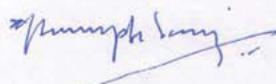
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> • A limited number of teachers possess PhD degrees. • The participation of teachers in refresher/ orientation courses is minimum • No funding is available for pursuing PhD under QIP
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> • Timely announcement of results. • Students grievances with regard to evaluation are addressed. • Evaluation process is done internally for UG courses and internally and externally for PG courses
2.2.6 Student Performance and Learning Outcomes:	<ul style="list-style-type: none"> • Pass percentage is quite high. • Drop-out rate is quite low • The performance at national level tests such as NET, GATE and SLET is not encouraging.
2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> • Research Development Cell exists. • Majority of the faculty are not active in research • Workshops and training programmes in research are limited.
2.3.2 Resource Mobilization for Research:	<ul style="list-style-type: none"> • University has some sponsored research projects. • There are 53 extra-mural on-going research projects with a grant of Rs.2218.2 lakhs. • 42 research projects with an outlay of Rs. 363.6 lakhs were completed during assessment period
2.3.3 Research Facilities:	<ul style="list-style-type: none"> • State-of-the-art research facilities. • Designated Centers of research address specific challenges in a few domains; CERSSE is vibrant. • University Science Instrumentation Centre yet to be established.
2.3.4 Research Publications and Awards :	<ul style="list-style-type: none"> • University publishes a research journal titled <i>Pariprashna</i>. • Research output is not significant • Only a handful of teachers have received research awards
2.3.5 Consultancy:	<ul style="list-style-type: none"> • Consultancy work is limited but vibrant in a couple of Centres. • There is no formal University-Industry Interface Cell • Institutional policy for consultancy has not been articulated clearly
2.3.6 Extension Activities and Institutional Social Responsibility:	<ul style="list-style-type: none"> • Students encouraged to participate in extension activities through NSS, NCC, etc. • University collaborates with a couple of NGOs/Foundations like <i>Janagraha</i> and <i>White Swan</i> for community engagement. • Radio Active, a community radio, used for social and gender sensitization



2.3.7 Collaboration	<ul style="list-style-type: none"> University has linkages with a few national and international organizations. Limited University-Industry collaborations exist
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities:	<ul style="list-style-type: none"> Good infrastructure facilities: spacious classrooms, laboratories, Auditorium and hostel facilities. A state-of-the-art stadium <i>Sprintoor</i> has been developed 9 hostels for men (1700 occupants) and 6 hostels for women (750 occupants) are available
2.4.2 Library as a Learning Resource:	<ul style="list-style-type: none"> Library is partially computerized and <i>Easylib</i> and <i>Libsys</i> are used for library management There is no adequate budget allocation for the libraries The total number of Titles, Volumes and Journals is limited
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> Most classrooms have LCD projectors. LAN is limited Wi-Fi is not available in all Departments.
2.4.4 Maintenance of Campus Facilities:	<ul style="list-style-type: none"> Each campus has a Facility Management Division System Administration Department is responsible for maintenance of computers and internet. Cleaning and maintenance are outsourced but monitored by university staff.
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> The Dean, Students' Welfare coordinates various student-related activities Mentoring and counselling provide a good support system to students.
2.5.2 Student Progression:	<ul style="list-style-type: none"> Students complete their courses within the stipulated time-span and the pass percentage is very good. Progression from UG to PG is around 60%, and PG to PhD is about 12%. No mechanism for mapping students' performance
2.5.3 Student Participation and Activities:	<ul style="list-style-type: none"> Intra-mural sports and games tournaments and cultural activities are conducted annually Participation of students in co-curricular and extra-curricular activities is encouraged and students bagged a good number of prizes during the last four years in various competitions A students' magazine titled <i>Aventure</i> showcases the achievements of students

Sheela,      5


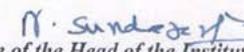
2.7.3 Best Practices:	<ul style="list-style-type: none"> • Short, Silent Educational and Theme Based Films and Documentaries • Community engagement especially through <i>Radio Active</i> • Efforts have been taken to create a culture of entrepreneurship
Section III: OVERALL ANALYSIS	<i>Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)</i>
3.1 Institutional Strengths:	<ul style="list-style-type: none"> • Good infrastructure in all constituent units for teaching and research and for co- and extra-curricular activities • A committed and diverse faculty provide a healthy academic environment • Business Incubation Centre fosters entrepreneurship • Harmonious relationship among the various stakeholders of the institution.
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> • Five constituent units spread across the city which makes coordination a challenging task. • Being a private university difficulties are faced for getting resources from Government and funding agencies • Number of faculty with PhD and NET/SET qualifications is limited • Salary structure is not as per UGC norms and there is discrimination among staff belonging to various disciplines with regard to pay structure
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> • Institution established within the Bengaluru metro and the Industrial area which provides ample opportunities for excellent university-industry collaboration. • Scope for introducing more inter-disciplinary programmes in emerging areas. • Attracting more foreign students and faculty members • Using the excellent Sports and Games infrastructure to offer academic programmes in that discipline.
3.4 Institutional Challenges:	<ul style="list-style-type: none"> • To motivate research scholars to work in inter-disciplinary areas. • As a private university to secure funding and recognition from premier governmental research organizations • Establishing a full-fledged flight lab for aerospace engineering students. • Appointing/ retaining quality faculty

Sheela     2/11/15


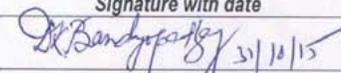
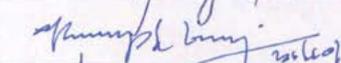
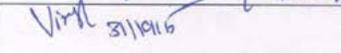
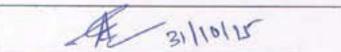
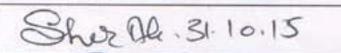
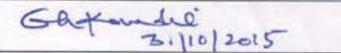
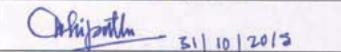
Section IV: Recommendations for Quality Enhancement of the Institution
(Please limit to <i>ten major ones</i> and use telegraphic language) (It is not necessary to indicate all the ten bullets)
<ul style="list-style-type: none"> • Faculty should be encouraged to take up research actively • Efforts for collaboration with Industry and renowned institutes should be strengthened. • Consultancy to be formalized and efforts should be taken to generate more funds from consultancy • Green audit committee should be set up and E-waste management should be undertaken • Entire campus should be Wi-Fi enabled. • All five campus libraries should be inter-connected through Networking • Courses offered in each campus should be inter-related. • Choice Based Credit System should be introduced in all programmes at all levels • Utilizing excellent sports and games facilities, start academic programmes in sports and games • Faculty and other staff to be paid full salary and DA as per the 6th Pay Commission recommendation for appointing/retaining quality faculty and staff

I agree with the Observations of the Peer Team as mentioned in this report.




 Signature of the Head of the Institution
 31/10/2015
 VICE CHANCELLOR
 JAIN UNIVERSITY
 #91/2, Dr. A.N. Krishnamoorti Road, V.V Puram
 Bangalore - 560 004
 Ph: -91 80 4343 2000 / 200895
 Seal of the Institution

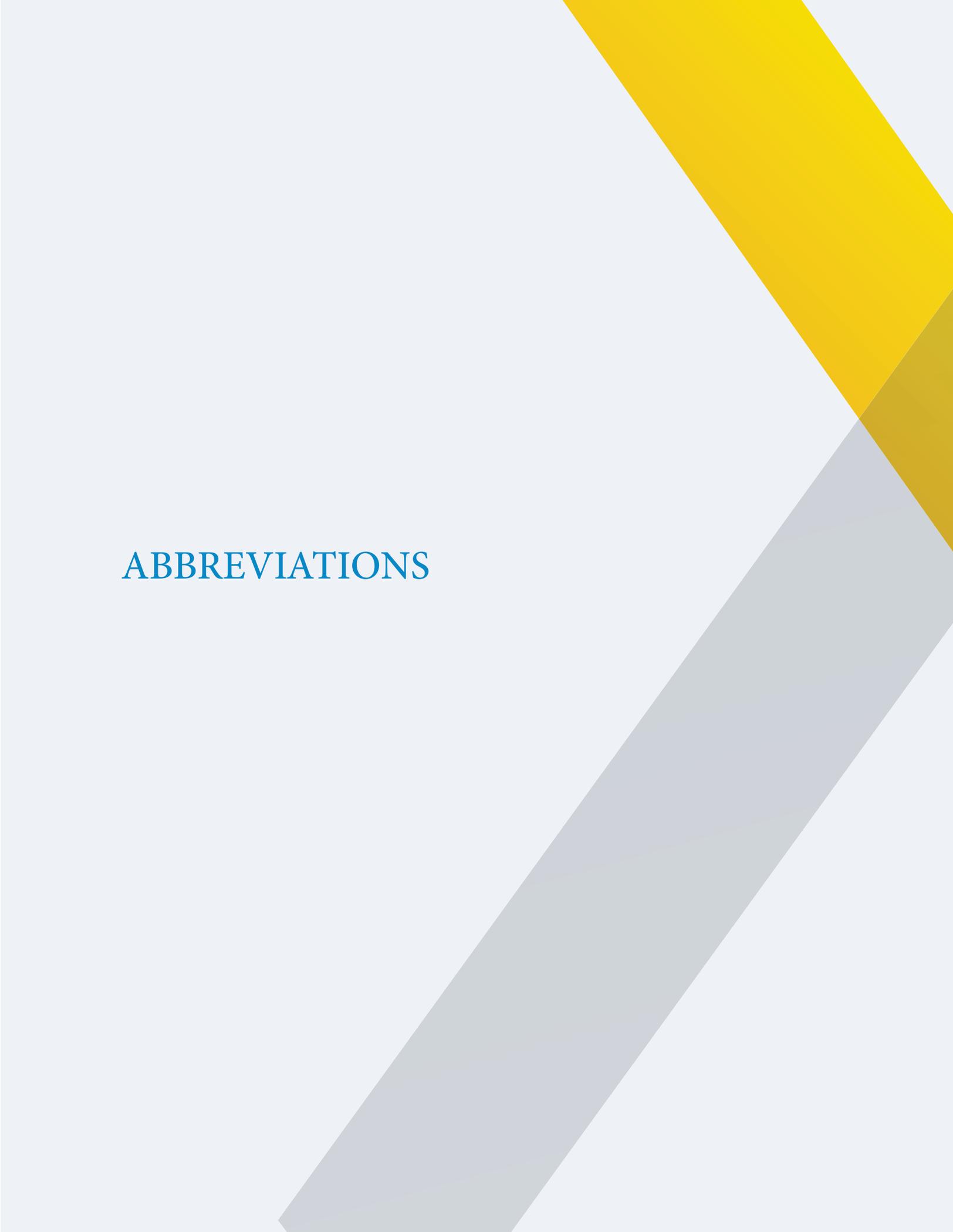
Signatures of the Peer Team Members:

Name and Designation		Signature with date
Prof. Dilip Bandyopadhyay	Chairperson	 31/10/15
Prof. A Joseph Dorairaj	Member-Cordinator	 31/10/15
Prof. Vir Singh	Member	 31/10/15
Prof. Keskar Avinash	Member	 31/10/15
Prof. Sher Ali	Member	 31.10.15
Prof. A M Shah	Member	 31/10/15
Prof. Ganesh Kawadia	Member	 31.10.2015
Dr. Neeraj Tripathi	Member	 31/10/2015
Dr. Sujata P Shanbhag	NAAC Officer-Cordinator	

Place : Bengaluru

Date : 31-10-2015





ABBREVIATIONS

ABBREVIATIONS

ASME	American Society of Mechanical Engineers
AUAP	Association of Universities of Asia and the Pacific
BARC	Bhabha Atomic Research Centre
BoE	Board of Examiners
BoS	Board of Studies
BRNS	Board of Research in Nuclear Sciences
CAHC	Center for Ancient History and Culture
CAT	Common Admission Test
CDM	Center for Disaster Mitigation
CERSSE	Center for Research in Social Sciences and Education
CET	Center for Emerging Technologies
CFTRI	Central Food Technological Research Institute
CII	Confederation of Indian Industry
CIMA	Chartered Institute of Management Accountants
CNMS	Center for Nano and Material Sciences
CRCE	Chenraj Roychand Center for Entrepreneurship
CSDS	Centre for the Study of Developing Societies
CSIR	Council of Scientific & Industrial Research
DAE	Department of Atomic Energy
DBT	Department of Biotechnology
DFID	Department for International Development
DOS-ISRO	Department of Space- Indian Space Research Organisation
DRDO	Defence Research & Development Organisation
DST	Department of Science & Technology
EU-FP7	European Commission - Research: The Seventh Framework Programme
FKCCI	Federation of Karnataka Chambers of Commerce & Industry
GoK	Government of Karnataka
GRE	Graduate Record Examination
GTRE	Gas Turbine Research Establishment
HAL	Hindustan Aeronautics Ltd.
IAS	Institut Aéronautiques et Spatial

ICAR	Indian Council of Agricultural Research
ICHR	Indian Council of Historical Research
ICSSR	Indian Council of Social Science Research
IGBC	Indian Green Building Council
IIA	Indian Institute of Astrophysics
IIAAT	International Institute for Advanced Aerospace Technologies
IIAEM	International Institute for Aerospace Engineering and Management
IIMB	Indian Institute of Management, Bengaluru
IISc	Indian Institute of Science
INAE	Indian National Academy of Engineering
INSA	Indian National Science Academy
IQAC	Internal Quality Assurance Cell
ISSAC	International Students and Scholars Advisory Centre
JICA	Japan International Cooperation Agency
KPMG	Klynveld Peat Marwick Goerdeler
KSCST	Karnataka State Council for Science and Technology
KSRTC	Karnataka State Road Transport Corporation
LMS	Learning management system
MAT	Management Aptitude Test
MNRE	Ministry of New and Renewable Energy
MOFP	Ministry of Food Processing Industries
MOFPI	Ministry of Food Processing Industries
MoU	Memorandum of Understanding
NAL	National Aerospace Laboratories
NCC	National Cadet Corps
NET	National Eligibility Test
NGO	Non-Governmental organization
NKN	National Knowledge Network
NPMICAV	National Programme on Micro Air Vehicle
NPTEL	National Programme on Technology Enhanced Learning
NRB	Naval Research Board
NRDC	National Research Development Corporation

NSS	National Service Scheme
PGCET	Post Graduate Common Entrance Test
QMC	Quality Monitoring Cell
RDC	Research Development Cell
RDU	Research Development Units
RRI	Raman Research Institute
SERB	Science and Engineering Research Board
SIATI	Society of Indian Aerospace Technologies & Industries
SLET	State level Eligibility Test
STEP	Support to Training and Employment Programme
TBI	Technology Business Incubator
TEL	Technology Enhanced Learning
TOEFL	Test of English as a Foreign Language
UGC	University Grants Commission
UL	Underwriters Laboratories
UPSC	Union Public Service Commission
VGST	Vision Group on Science and Technology
VLSI	Very Large Scale Integration
VTU	Visvesvaraya Technological University
XAT	Xavier Aptitude Test



JAIN UNIVERSITY

Declared as Deemed-to-be University u/s 3 of the UGC Act, 1956

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