

Minutes of the 9th meeting of the Planning & Monitoring Board, held on Tuesday, the 4th February, 2014, held in the University Office.

The following members were present:

1. Dr N. Sundararajan, Vice Chancellor, JU - **Chairman**
2. Dr N.G.R. Iyengar, Pro Vice Chancellor, JU & Director, IIAEM
3. Dr R.N. Iyengar, Director, CDM, JU
4. Dr Jayagopal Uchil, Director (Academics & Planning), JU
5. Dr H.T. Rathod, Professor (Retd.) Mathematics, Bangalore University
6. Dr A.R. Upadhyaya, Dr. Raja Ramanna DRDO Distinguished Fellow, Aeronautical Development Agency (ADA) and Former Director, National Aerospace Laboratories (NAL)
7. Dr G.S.D. Babu, Director, M.P.Birla Institute of Fundamental Research, Bangalore
8. Dr Krishna Venkatesh, Director, School of Engg & Technology, JU
9. Dr Easwaran Iyer, Dean, Commerce & Director of Placements, JU
10. Shri Dinesh Nilkant, Director, Admissions, JU
11. Prof N.V.H. Krishnan, Registrar, JU – **Member Secretary**

Special Invitees:

1. Dr Geetha Balakrishna, Associate Director, CNMS, JU
2. Prof V Achutha, HoD, Dept. of Computer Science, JU
3. Ms H G Pushpa, HoD, Dept. of Computer Science & Engg, SET, JU
4. Mr B N Balaji, Head – Information Systems & Office Administration, JU
5. Prof B T Venkatesh, Controller of Examinations, JU
6. Dr Choodamani Nandagopal, Dean, Faculty of Arts, JU
7. Dr Shailaja Shastri, Professor & Head, Dept of Psychology, JU
8. Dr Sudha Deshmukh, Dean, Sciences, JU
9. Dr B K Vinaychandra, Res Associate, CIP, JU

Leave of absence:

1. Dr Sandeep Shastri, Pro Vice Chancellor, JU
 2. Prof Rajeev Gowda, Centre for Public Policy, Indian Institute of Management, Bangalore
 3. Mr M.S. Santhosh, Joint Registrar, JU
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The Chairman welcomed the members. The agenda items were taken up for discussion:

Agenda item No. 1- Confirmation of the minutes of the 8th meeting held on 26th October, 2013.

1.1 The minutes of the 8th meeting of the Planning & Monitoring Board held on 26th October, 2013 were confirmed.

Agenda item no. 2: Discussion items: New programmes proposed to be introduced in the Academic year 2014-15:

2.1 Faculty of Engineering & Technology

2.1.1 M Tech in Aerospace Engineering (Specialization: Propulsion)

Prof N G R Iyengar, gave details about M Tech in Aerospace Engineering (Specialization: Propulsion). He informed that an Advisory Committee consisting of experts in the field had gone through the syllabus as per the University Regulations and Industry/R&D organizations requirement. The programme has also received inputs from various leading aerospace organizations and support in providing experimental facilities and faculty. Sufficient faculty members are available and the course is proposed to be started in August, 2014. He also informed that Laboratory facilities are not available at present, but, GTRE, HAL etc, have come forward to help for the Laboratory component.

The members made the following suggestions:

- There should be uniformity in the total number of credits and marks in M Tech programmes across all Departments.
- Whenever courses are proposed, details like the eligibility criteria, infrastructure, no. of faculty members in the Department, no. of courses being offered, etc., may be provided.

After discussions, the Planning & Monitoring Board recommended for the introduction of M Tech in Aerospace Engineering (Specialization: Propulsion) programme and suggested to place it before the Board of Studies for the preparation of Curriculum Matrix and Syllabus.

2.1.2 M Tech in Software Engineering:

The Invited Member, Ms H G Pushpa, HoD, Department of Computer Science & Engineering, gave the details. She informed that the above programme aims at focusing on the state of the art in various areas of Software Engineering with advanced conceptual knowledge, technical skills and also ability to pursuing research in the areas of software process, architecture, quality, testing, engineering, project management and documentation. This course equips the graduates for a career in IT Corporate, Information Sciences related companies and research. It was informed that there were 10 Faculty members in the Department and they should be able to take care of the programme.

The members made the following suggestions:

- There should be laboratory components even under software courses.
- Hardware- Software integration needs to be there.
- Such proposals should be thoroughly discussed in the Board of Studies consisting of Experts in the field of Software Engineering.

After discussions, the Planning & Monitoring Board recommended for the introduction of M Tech in Software Engineering programme and suggested to place it before the Board of Studies for the preparation of Curriculum Matrix and Syllabus.

2.2 Faculty of Commerce

(1) Master of Finance & Accounts (MFA)

(2) Bachelor of Commerce (Honours) (Specialization: Corporate Accounting)

Prof Easwaran Iyer, gave details of the programme of Master of Finance & Accounts (MFA) and also B.Com (Hons) with specialization in Corporate Accounting. The objective of the courses is to increase the employability potential of the students. It is designed, to bridge the gap between the knowledge gained by the students at graduation and post-graduation level and the Industry's expectations for the accounting job, be it for manufacturing, telecom, retail, financial or IT companies, BPOs and KPOs. This course provide the students the practical insight, working knowledge of accounting standards as required for accounting jobs in various industries. A survey was also conducted and there is demand for such a programme. Also Faculty members required for the programme will be appointed.

The members made the following suggestions:

- The programme of Master of Finance & Accounts, should not be in conflict with the M Com programme already existing.
- The Faculty structure in the Department may be made available to the Board members along with the details of academic programmes going on in the Departments.

After discussions, the Planning & Monitoring Board recommended for the introduction (1) Master of Finance & Accounts (MFA); and (2) Bachelor of Commerce (Honours) (Specialization: Corporate Accounting) programmes and suggested to place it before the Board of Studies for the preparation of Curriculum Matrix and Syllabus.

2.3 Faculty of Sciences

2.3.1 M Sc Biosciences (Specialization: Biotechnology/Microbiology/Biochemistry)

The Invited member, Dr Sudha Deshmukh, gave details about the M Sc Biosciences programme with specialization in Biotechnology/Microbiology/Biochemistry). She informed that the above programme is designed to prepare a student for a career in modern biosciences. The broad based training offered in the first 2 Semesters, which is common to all the 3 specialization streams and specialized training in the domain of interest in the 3rd and 4th Semesters makes the course more inclusive and integrated in nature while retaining the interdisciplinary character of the field of modern biosciences. The course is also expected to offer better employment opportunities to the students than the currently existing specialized courses. The eligibility for the course will be the same as that of the existing M Sc Courses in the 3 disciplines i.e., Biotechnology, Microbiology or Biochemistry.

The members expressed apprehensions about the following:

- This course should not clash with the already existing M Sc programmes in Biotechnology, Microbiology and Biochemistry disciplines.
- Due diligence is required before introducing this programme.

- Requires thorough discussions and a brainstorming session.

The Chairman permitted Dr. Sudha Deshmukh, to bring in the proposal of introduction of **M Sc in Industrial Biotechnology** programme as a Table agenda. Dr Sudha Deshmukh, gave the details of the proposed **M Sc in Industrial Biotechnology**. For this purpose the Jain University is entering into an MoU with M/s Biogene which specializes in training the graduates in the related fields.

The Planning & Monitoring Board suggested to discuss specific details in the concerned Board of Studies to design Curriculum Matrix and Syllabus of M Sc in Biosciences and M Sc in Industrial Biotechnology. The Board in principle recommended the introduction of this course in the Academic year 2014-15.

2.3.2 M Sc in Chemistry

The Invited Member, Dr Geetha Balakrishnan, gave details about the programme. She informed that there was a demand for introduction of General Chemistry programme with Inorganic, Organic, Physical and Analytical Chemistry as electives. It gives an excellent qualification for a wide career choice within Scientific Establishments. She gave the details of the existing Infrastructure, Faculty strength and equipment available in the Research Centre (CNMS) for starting this course.

After discussions, the Planning & Monitoring Board recommended for introduction of M Sc in Chemistry programme and suggested to place it before the Board of Studies for the preparation of Curriculum Matrix and Syllabus.

2.3.3 PG Diploma in Psychological Counseling

2.3.4 PG Diploma in Counseling Skills for Educators

2.3.5 PG Diploma in Sports Psychology

The Invited Member, Dr Shailaja Shastri, made a presentation on all the above three PG Diploma Courses. She informed that the **Post Graduate Diploma in Psychological Counseling** is specifically designed to cater to people interested in pursuing psychology, but who do not have a background in psychology. Special attention has been given to ensure that foundation concepts have been delivered in the syllabus. The course work and syllabus has been designed to ensure that students are trained in micro skills of counseling and also get ample opportunities to practice the same. Internship is therefore emphasized along with acquisition of theoretical knowledge. The eligibility for this programme is open to candidates with Bachelor's degree in any field.

The PG Diploma in Counseling Skills for Educators, focuses on helping teachers understand the developmental process and needs of the child in the current social scenario. The course work pays attention to the behavioral and emotional challenges students face and trains the teachers in identifying the same. The syllabus also attempts and providing theoretical foundation and practical opportunities to teachers to reach out to students in the context of a school/college. The course work and syllabus has been designed to ensure that teachers are trained in micro skills of counseling and also get ample opportunities to practice the same. The eligibility for this programme is open to graduate teachers with or without a B.Ed degree.

The PG Diploma in Sports Psychology, provides both a sound theoretical foundation and practical opportunities to reach out to professionals across varied sports context. The course work and syllabus has been designed to ensure that students are trained in skills of counseling and therapy and with ample opportunities to practice with the active sports personnel. This programme is open to graduates with a Psychology Degree.

Dr Shailaja Shastri, also gave details of the qualified Faculty members and infrastructure available in the Department of Psychology for delivering these courses.

The members made the following suggestions:

- The courses should be full time and regular.
- Working Professionals should be sponsored by the Employers/Management and necessary undertakings may be obtained while admitting such candidates for these courses.
- Introduction of Ethics in sports could be considered.

The Planning & Monitoring Board suggested to discuss all the relevant points in the Board of Studies and design the Curriculum Matrix and Syllabus for each course. In principle, the P&MB recommended introduction of these Post Graduate Diploma courses.

2.3.6 PG Diploma in Indian Psychology:

The Invited Member, Dr Vinaychandra, gave details about the programme. The objective of the course is to introduce various concepts of Indian Psychology to students who are keen to benefit from the eastern especially Indian wisdom in understanding human experience. The course envisages to provide adequate conceptual clarity and exposure to basic psychotherapeutic skills based on ancient Indian wisdom in psychology.

After discussions, the Planning & Monitoring Board, in particular suggested to reconsider the titles of the proposed papers "Research Methodology" and "Integral Yoga Psychology of Sri Aurbindo". It was suggested that Dr Vinaychandra, consult and seek expert advice from Prof R N Iyengar, in developing the course content of this programme and discuss with appropriate Experts in the Board of Studies in Psychology. However, the Planning & Monitoring Board, in principle recommended introduction of this PG Diploma course, after observing the necessary processes.

2.3.7 PG Diploma in Information Technology (Specialization: Data Analytics/Application Development for Banking and Finance)

The Invited Member, Prof Achutha, gave details of the programme. He informed that both the PG Diploma Programmes are for one year duration with a 2 semester course. The eligibility for PGDIT (Data Analytics) is, Graduates with not less than 50% in Engineering, Science, Commerce, Management with good knowledge in information Technology. The eligibility for PGDIT (Application Development for Banking and Finance (Business Technology Management) is, Graduates with not less than 50% in Engineering, Science, Management with Computer Science as one of the subjects in the undergraduate program. He also informed that there is a huge demand for Data Analysts with domain knowledge and the data analytic tools. The curriculum of the programme is designed to expose the candidates to foundations of Business Management and deep skills in Analytics

The members made the following suggestions:

- B Com graduates could be included under eligibility conditions, for PG Diploma in Information Technology (Specialization: Application Development for Banking and Finance-Business Technology Management)
- B Com Graduates should have programming skills, alternatively, a bridge course could be conducted for such candidates.

The Planning & Monitoring Board after discussions, suggested to have a re-look on these points and discuss them in the Board of Studies while designing Course Matrix and Syllabus. In principle, the introduction of the above programs was recommended..

2.3.8 BCA (Specialization: (Information Security & Cloud Technology/Mobile Applications & Security/Data Analytics & Technology Management)

Invited Member, Prof Achutha, gave details. The courses are aligned with the latest industry needs. The goal is to bring industry relevant skills to the students. These are the technologies which are in demand by the industry, and it is forecasted that the number of jobs will be growing exponentially in the coming decade. These courses combine the well-established theoretical/applied Computer Science knowledge like Architecture, Operating Systems, Database, Programming Languages, OOPS, Web Programming, Multimedia, etc. It also encompasses latest on-demand courses like Data mining, Data Modeling, Data Warehousing, Hadoop, Pig, Hive, Mahout, Casandra, HBase, Neo4j, etc. It also teaches about Statistical tools like R and SAS.

He also informed that the specializations will be introduced in the III Semester, while for the first two Semesters, the subjects are common for all 3 specializations.

The Planning & Monitoring Board, had a detailed discussion and suggested the following:

1. *The details of the Faculty structure and Infrastructure available be placed before the Planning & Monitoring Board.*
2. *There should be uniformity in the total number of credits and total marks for all BCA Programmes.*

The Planning & Monitoring Board suggested to discuss specific details in the concerned Board of Studies while designing Curriculum Matrix and Syllabus of these courses. The Board in principle recommended the introduction of these courses.

2.4 Faculty of Arts

2.4.1 PG Diploma in Jain Studies

The Invited Member, Prof Choodamani Nandagopal, gave details about the programme. She informed that it may be good to revive the religious values, virtues and ethics. It is the need of the time to start such type of courses on religious studies. Such study is essential to promote Principles of Jainism, Self-satisfaction, Physical and mental peace. This course is not only for Jains, but for others who are interested in gaining an overview of the philosophy and path propounded by Jainism. The eligibility for the course is any Graduate. She also informed that 2 Faculty Members are

available including herself and by seeking the help from Experts/Scholars in Jain Studies as Visiting Faculty, it may be possible to deliver the programme under the Centre for Ancient History & Culture.

The Planning & Monitoring Board recommended introduction of this programme, and suggested to take up the subject matter to the concerned Board of Studies for designing Curriculum Matrix and Syllabus.

2.4.2 PG Diploma in Art Management and Curatorship

The Invited Member, Dr Choodamani Nandagopal, gave the details. She informed that there is a need for this course since it gives a focused training in the field of Art Management and curatorship which is becoming a mainstream profession in the field of Art. The Scope & Objective of the course is to give a comprehensive insight into Art management and curatorship. This will enable the student to become a professional in understanding Art and the Art market. The course will open opportunities for Curatorship at Museums, Art galleries managing professional Artists and their exhibitions. She also informed that many Museums have been approached and they are prepared to help in teaching the course. She herself is qualified to teach the above courses.

The members made the following suggestion:

- There should be standardization of credits and marks for all the 1 year Post Graduate Diploma Courses as the total marks vary for all PG Diploma programmes.

The Planning & Monitoring Board recommended introduction of the above programme, and suggested to take up the subject matter to the concerned Board of Studies for designing Curriculum Matrix and Syllabus.

The Chairman, informed the Planning & Monitoring Board that:

1. The new Post Graduate Programmes and Post Graduate Diploma Programmes will start functioning only if the number of admitted candidates is more than 15.
2. An Action Taken Report (ATR) on all the programmes recommended for introduction will be placed before the Board in the next meeting.
3. Relevant information on structure and strength of the Departments and the Programmes/Course conducted in these Departments will also be furnished.

3. ISO Certification:

The Chairman, informed that the University had applied for the ISO 9001 -2008 certification from M/s TUV Rheinland. The final round of Audit from the Company took place on 31.1.2014. M/s TUV Rheinland, have now recommended the Jain University for ISO 9001 – 2008 certification.

The Board members appreciated the efforts made in this regard and congratulated the Chairman, on getting ISO 9001-2008 certification for the Jain University.

4. Any other matter:

The Chairman, informed that it is proposed to offer a 2 year Post Graduate Diploma course in the Chenraj Roychand Centre for Entrepreneurship. Prof Easwaran Iyer, gave the details. He informed that there is a demand from the market to introduce a PG Diploma programme with specialization in Finance/HR and Super specialization in Business Leadership. He informed that the 2 year MBA programme is being offered in the University, but this 2 year PG Diploma programme is being proposed to be offered from the above Centre. There is a specific request from the stake holders i.e., students and parents, to call it similar to such programmes introduced in several institutions as approved by the AICTE.

The members made the following suggestions:

- The confusion arising from 1 year Post Graduate Diploma and 2 year Post Graduate Diploma programmes should be resolved.
- The possibility of replacing Post Graduate Diploma Programme by Master of Business Management, may be explored.

The Planning & Monitoring Board after discussions, recommended that this subject matter be taken up by the Board of Studies in Management while preparing the Curriculum Matrix and Syllabus for the programme. .

The meeting concluded with a vote of thanks by the Registrar.



Registrar
Jain University