

**Minutes of the 31st Meeting of the Board of Management (BoM) held on
9th September, 2020 at 11.30 am in the University Office**

Members Present :

1. **Col. (Hony.) Dr. N. Sundararajan**, Vice Chancellor - Chairman, BoM
2. **Dr. Sandeep Shastri**, Pro Vice Chancellor
3. **Prof. K.R. Sridhara Murthi**, Director, Academics & Planning
4. **Dr. Easwaran Iyer**, Dean, Faculty of Commerce
5. **Dr. Dinesh Nilkant**, Dean, Faculty of Management
6. **Dr. S.A. Hariprasad**, Director, School of Engineering & Technology
7. **Shri. M.S. Parswanath**, Director, Projects & Facilities
8. **Ms. Aparna Prasad**, Director, Communications, HR and Student Fee Services
9. **Shri. M.S. Santhosh**, Joint Registrar
10. **Prof. N.S. Manjunath**, Controller of Examinations
11. **Dr. N.V.H. Krishnan**, Registrar - Member Secretary, BoM

External Members :

12. **Dr. S. Sadagopan**, Director, International Institute of Information Technology (IIIT-B)
13. **Prof. E.S. Dwarakadasa**, Chairman, Karnataka Hybrid Micro Devices Ltd. and
Professor (Retired), Indian Institute of Science
14. **Dr. R.S. Deshpande**, Former Director, Institute for Social & Economic Change (ISEC)
15. **Dr. G.S.D. Babu**, Former Director, M.P. Birla Institute of Fundamental Research
16. **Dr. Sudhir Pai**, Senior Consultant Neurosurgeon, Aster RV Hospital

Special Invitee :

17. **Dr. S. Ghosal**, Dean, School of Design
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The Chairman extended a warm welcome to all the members and the special invitee to the 31st Meeting of the Board of Management (BoM).

The Chairman took up the agenda items for discussion.

**Agenda item No. 1 – Confirmation of the minutes of the 30th meeting of the BoM held on
28th December, 2019.**

The Chairman informed that the copy of the minutes was circulated to all the members and that there were no suggestions / observations received in this matter. He requested the members to confirm the minutes of the last meeting.

The members confirmed the minutes of the 30th meeting of the Board of Management held on 28th December, 2019.

Agenda item no. 2 – Action taken report :

Ratification of the resolutions and action taken by the Standing Committee from January to July 2020, as follows :

- i. 73rd Meeting of the Standing Committee held on 31st January, 2020.
 - a) The Chairman informed that the Standing Committee had reviewed on the proposals received for introduction of New Programmes for the AY 2020-21 and had suggested for introspection by the Board of Studies. The details of new programmes will be dealt in the discussion items under agenda item 3.1 of this meeting.
 - b) The Standing Committee had planned for the conduct of Workshop on the status of the MoUs, pertaining to research centres and academic campuses, which are active and inactive. The meeting scheduled during March 2020 was postponed due to lockdown and will be taken up once the campuses reopen.
 - c) The Standing Committee had discussed on the Workshop – “R&D Collaboration and Innovation”. A status review was organized on 20th January, 2020 on R&D activities & accomplishments having potential for collaboration, 18 R&D projects presented by the leaders of R&D teams. Participation included External Members of the Academic Council and of the Board of Management. Suggestions were made to organise a special workshop, with participation of potentially interested industries. It was proposed to have a focused Workshop to explore opportunities for “**R&D Collaboration and Innovation**”, with participation of eminent personalities from industries / international funding bodies. Scheduling of the workshop through virtual mode is awaited.
 - d) The Registrar informed that the Standing Committee had approved the Policy on Research Incentives to encourage research initiatives of our faculty members and research scholars and motivate for quality output. Incentives are awarded to the author/s for publication of research papers in journals indexed in Scopus / Web of Sciences / UGC-CARE listed journals under Group-(I) based on the score. A methodology has been worked out for validating and awarding research incentives based on the cumulative impact factor achieved during the year.
 - e) The Standing Committee had reviewed and endorsed the guidelines for implementation of SWAYAM Courses. In this connection a meeting was convened on 2nd January, 2020. SWAYAM Coordinators identified from each Centre had participated. The University had come out with a Policy Framework for the faculty members and students to choose the SWAYAM courses as part of

its scheme of education. The Chairman of the Standing Committee congratulated the entire team in preparing the outline of the framework for initiating the implementation of SWAYAM courses, consisting of members, namely, Dr. Sandeep Shastri, Dr. N.V.H. Krishnan, Prof. Sridhara Murti, Prof. N.S. Manjunath and Dr. B.T.Venkatesh. Dr. Sandeep Shastri had taken initiative to conduct internal meetings for preparing road map and collecting proforma from faculty members & students for its implementation.

- f) The Standing Committee had recommended the award of PhD Degree to the following 16 Candidates :

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
1	397	K Prasad Babu	Biotechnology	Dr. M Manamohan	Development of Multiple Virus Resistant Transgenic Tomato (<i>Solanum lycopersicum</i> L.) by RNAi Mediated gene Silencing	30th Dec 2019
2	398	Ayyappa P A	Management	Dr. Mahesh Kumar K R	A Study on Individual Investors' Behaviour in an Organized Commodity futures market in Bengaluru City	1st Jan 2020
3	399	Patil Mahadeo Rajshekhar	Chemistry	Dr. Rangappa S Keri	Synthesis of a novel heterocyclic compounds and nitration of aryl, heteroaryl compounds	3rd Jan 2020
4	400	Mohammed Habibulla	Civil Engineering	Guide: Dr. Bhaskar Dixit & Co-Guide: Sampath Kumar MC	Source Apportionment of Particulate Matter in the ambient air, a case study - Bangalore	3rd Jan 2020
5	401	Narendra Babu C R	Kannada	Dr. K Gokulnath	Haridaasa Saahitya Mathu Janapada Saahitya-Ondhu Tholulanika Adhyayana	9th Jan 2020
6	402	Ramesh Kumar V	Electrical & Electronics Engineering	Dr. PradiPKumar Dixit	Short-term Load forecasting of Bangalore city using multilayer artificial neural network	18th Jan 2020
7	403	Kruthi R	Computer Science	Dr. Shivanand S Gornale	Fingerprint Pattern analysis for gender Identification and Classification using Image Processing Techniques	18th Jan 2020
8	404	Revanna C R	Electronics Engineering	Dr. C Keshavamurthy	Development of Mixed chaotic Encryption Methods for Document Images	18th Jan 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
9	405	Vishal K	Chemistry	Dr. Siddappa A Patil	Synthesis , Characterization and Catalytic Applications of Palladium Based Nanocatalysts for Organic Transformations	10th Jan 2020
10	406	Sara Kunnath	Management	Dr. Chaya Bagrecha	An Analysis of the Impact of Renewable energy on Organization Performance and Sustainability: A Perceptual Study	25th Jan 2020
11	407	Triveni K	Biotechnology	Dr. Rajeswari Shome	Development and evaluation of Fluorescence Polarization Assay and mAb Based ELISA for differentiation of infected from vaccinated animals for brucellosis	20th Jan 2020
12	408	G R Sivaramakrishnan	Computer Science	Dr. R Suchithra	Machine Learning based domain specific Ontology generation using Automatic and Authorized learning models	25th Jan 2020
13	409	Chethana Achar N	Music	Dr. Meera Raharam Pranesh	Bhakti Sangeetada Agra peeta – Udupi Kshetra (14th to 19th Century)	28th Jan 2020
14	410	Manasa K	Biotechnology	Dr. Vani R	Studies on the Influence of Antioxidants on Platelets under Oxidative Stress Situations	24th Jan 2020
15	411	Sneha Burman	Psychology	Dr. Shailaja Shastri	Drivers of Employee Engagement: Developing a Model for employees of IT Industry in Bangalore	27th Jan 2020
16	412	Sebagenzi Jason	Computer Science	Dr. Suchithra R	Virtual Machine Management in Cloud Data Centers for Energy Optimization	29th Jan 2020

ii. 74th Meeting of the Standing Committee held on 20th March, 2020.

- a) The Standing Committee had discussed on the action plans for continuing student and faculty engagement in view of closure of academic campuses due to pandemic disease caused by novel coronavirus. It reviewed the aspects such as status of completion of syllabus, course delivery through virtual / real time

teaching through online platform, online assessments, road map to achieve long term goals and communication of the plan to students through the Centre Heads.

- b) The Standing Committee had recommended the award of PhD Degree to the following 18 Candidates :

Sl	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
1	413	Mahesh Kumar Kumawat	Microbiology	Dr. S. Sriram	Mechanism of Carbendazim Resistance in <i>Fusarium</i> and its Management	1st Feb 2020
2	414	Prerana V	Biotechnology	Dr.Varalakshmi K N	Evaluation of Compounds from Natural Sources for their Cytotoxic and Anti-Cancer Potentials	1st Feb 2020
3	415	AVR Mahadev	Management	Dr. R Satish Kumar	Impact of Salesperson's Preferences on Level of Involvement in Retail Context	1st Feb 2020
4	416	Swati Sahay	Microbiology	Dr. Rajeswari Shome	A Study on molecular epidemiology of <i>Mannheimia Haemolytica</i> and <i>Pasteurella Multocida</i> In respiratory infection of sheep	7th Feb 2020
5	417	Madhu B R	Electrical Engineering	Dr. M N Dinesh	Harmonic Reduction Using Active Filters in an Integrated AC-DC Environment	8th Feb 2020
6	418	Reddy Sudharshana K	Electrical Engineering	Dr. V Muralidhara and, Co-Guide-Dr. A Ramachandran	Simulation with Experimental Validation and Study of Common Mode Voltage with Total Harmonic Distortion in Multilevel Inverter fed Induction Motor Drive	12th Feb 2020
7	419	Anusha R	Biochemistry	Dr. Bindhu O. S	Purification and Characterization of Milk Clotting Protease/s from Indian Medicinal Plants	15th Feb 2020
8	420	Sowmya Christina	Management	Dr. M Prakash.	A Study on the Financial Health of Companies in BSE-100 and its relationship with the share prices using Altman Z Score Model	22nd Feb 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
9	421	Anand Kumar Jaiswal	Commerce	Dr. R B Krishna	Study on the Impact of Base Erosion and Profit Shifting on Income Tax Collections	25th Feb 2020
10	422	V Vaidhehi	Computer Science & Information Technology	Dr. Suchithra R	The Design and Implementation of Intelligent Course Advisory System Using Learning Analytics	27th Feb 2020
11	423	Manjunatha K N	Electronics Engineering	Dr. Vaibhava M	Energy Efficient 4G LTE Turbo Decoder for High Speed Wireless Communication	29th Feb 2020
12	424	Anjali Manohar Rao Solanke	Electrical & Electronics Engineering	Guide: Dr. Dattu Jadhav & Co-Guide: Dr. Manjunatha Ramachandra	Computer Aided Detection for Early Detection of Breast Cancer	29th Feb 2020
13	425	Babu K S	Electronics Engineering	Dr. Sukanta Kumar Sabut	Quantitative Assessment of Wound Healing Using Image Processing	29th Feb 2020
14	426	Kiran P	Management	Dr. M. M. Bagali	Effect of Talent Management on Organizational Performance and Sustainability - A Study of Select Pharmaceuticals companies of Bangalore	14th Mar 2020
15	427	Savitha V Patil	Biotechnology	Dr. Kumudini Belur Satyan	Induction of Disease Resistance Using Fluorescent <i>Pseudomonas</i> : A Study on Ragi Blast	10th Mar 2020
16	428	Madhu B R	Computer Science & Engineering	Dr. A S Manjunatha	Optimizing Resource Allocation in Cloud Computing	18th Mar 2020
17	429	HATEGEKI MANA Fidele	Mathematics	Guide: Dr. Anita Chaturvedi and Co-guide: Dr. Snehanthu Saha	Mathematical Modeling of the Dynamics Transmission of Infectious Diseases: A Study on Spread of Amoebiasis	18th Mar 2020
18	430	Anantha Murthy R	Political Science	Dr. Sandeep Shastri	Spardhatmaka paksha vyavastheyalli congress paksha 1983 rinda 2008 karnatakada ondu adhyayana	19th Mar 2020

iii. 75th Meeting of the Standing Committee held on 28th March, 2020.

- a) The Chairman informed that the Standing Committee had discussed on the proposal to conduct Pre PhD and MPhil Examinations through online mode. Explored on the conduct of the examination using an online platform maintaining the same level of standards, integrity and capacity.
- b) The Standing Committee had discussed on the conduct of UG Examinations (other than Engineering) and MBA Examinations.

iv. 76th Meeting of the Standing Committee held on 16th May, 2020.

- a) The Chairman informed that the Standing Committee had discussed on the conduct of 6th Semester Examination for UG Programmes, PG programmes (other than MBA).
- b) The Standing Committee reviewed the course completion status and Examinations of Engineering Programmes.
- c) Standing Committee had recommended for conduct of Supplementary Examinations of UG / PG candidates from previous batches, prior to 2017-18.
- d) Standing Committee had recommended for conduct of Examinations for Army Sponsored Candidates in July 2020.
- c) The Standing Committee had recommended the award of PhD Degree to the following 22 Candidates :

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
1	431	Leela A M	Electrical Engineering	Dr. K N Ravi	Study on characteristics of Polymeric Housed Surged Arrester	29th Apr 2020
2	432	Komala C R	Electronics Engineering	Dr N K Srinath	Geographical junction information based routing in vehicular Ad Hoc Networks (VANET)	30th Apr 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
3	433	S Charulata	Aerospace Engineering	Dr. Raju Garudachar	Studies on A Small Satellite Formation Flying Configuration for Remote Sensing Applications in Oceanography, with Specific Reference to Tsunami	30th Apr 2020
4	434	Vasudha M.P	Electronics Engineering	Dr. Raju Garudachar	High resolution passive microwave observations of ocean surface, atmospheric humidity and land-related applications by SAPHIR on-board Megha-tropiques	2nd May 2020
5	435	Doddanavar Indrajit Ajit	Management	Dr. Prashantha C	Branding strategy of organic vacuum evaporated jaggery - A case study of Belgaum District	2nd May 2020
6	436	Uthappa U T	Chemistry	Dr. Mahaveer Kurkuri	Development of Porous Material for Drug Delivery Applications	4th May 2020
7	437	Lavanya C	Chemistry	Guide: Dr R Geetha Balakrishna Dr. Mahesh S Padaki	Preparation and evaluation of antifouling and biofouling membranes for filtration applications	4th May 2020
8	438	Sriram G	Nanotechnology	Dr. Mahaveer Kurkuri	Modified Diatoms for Enhancement of Dye Removal	5th May 2020
9	439	Jayesh T Bhanushali	Chemistry	Dr. Bhari Mallanna Nagaraja	Metal based catalysts for individual and simultaneous hydrogenation and dehydrogenation reactions	5th May 2020
10	440	Bindu Subramaniam	Music	Dr. Meera Rajaram Pranesh	New methods of teaching music to 3-10 year old children- An analytical study	6th May 2020
11	441	Vikram Mohan Rao	Cultural Studies	Dr. Choodamani Nandagopal	Addressing Bangalore's Traffic Challenges By The Development Of A Design Module – From The Prespective Of Socio-Cultural Transformation	6th May 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
12	442	M S Vijaykumar	Mechanical Engineering	Dr. Sarvanan R	Studies on Epoxy Clay Nano-Composites for Pressure Pad Application and Epoxy Pottery Clay Adhesive for Canister Application	7th May 2020
13	443	Aruna K R	Cultural Studies	Guide: Dr. Rekha Jain Coguide: Dr. Soumya Manjunath Chavan	Rishabhanatha charite : 10ne shatamanada Kannada mattu Apabhramsha kavigalu kandante (Pampa mattu Pushpadantarannu anulakshisi)	7th May 2020
14	444	Rashmi Prasad	Dance	Dr. Choodamani Nandagopal	Impact of Gitagovinda on the Gitakavyas of post medieval period with reference to Nayikabheda	8th May 2020
15	445	Lakshminarayana Ambi Subramaniam Jr	Music	Dr. Meera Rajaram Pranesh	Emergence of a global violin technique	8th May 2020
16	446	Kusuma J	Nanotechnology	Dr R Geetha Balakrishna	Synthesis, characterization and application of nanomaterials for stable and efficient quantum dot solar cells	8th May 2020
17	447	Nischita P (IIHR)	Biotechnology	Dr. M R Dinesh	Assessment of genetic diversity, phylogenetics and molecular systematics in wild and indigenous mango (Mangifera indica L.) genotypes	8th May 2020
18	448	W. Jothy	Microbiology	Dr. Srividya Shivakumar	Development of plant growth promoting microbial consortia based on interaction studies to reduce sclerotinia rot in brassica oleracea L	9th May 2020
19	449	M. S Sudha	Electronics Engineering	Dr. Tanuja T C	Implementation of image watermarking for Multimedia Security	13th May 2020
20	450	Naresh E	Computer Science and Engineering	Dr. Vijay Kumar B P	Design and Development of Novel Techniques for Cost Effectiveness with Assured Quality in Software Development	14th May 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
21	451	Ramesh Venkatraman Rajayer	Management	Dr Ashis Mishra	An empirical study of e-commerce by MSME's in Bengaluru, India: Exploring crucial success factors.	15th May 2020
22	452	Sangeeta Devanathan	Management	Dr. Mithileshwar Jha	Exploring Causal Attributes in the context of Luxury Consumption	15th May 2020

v. 77th Meeting of the Standing Committee held on 27th June, 2020.

- The Standing Committee had reviewed the Status on conduct of Board of Studies Meetings for all the proposed New Programmes for AY 2020-21.
- The Standing Committee had discussed on the proposal received for additional New Programmes for the AY 2020-21.
- The Standing Committee had discussed on the Conduct of University Examinations for students in final semester i.e. 6th Semester of 3-year UG programmes.
- The Standing Committee had discussed on the Conduct of University Examinations for students in 2nd, 4th, 6th & 8th Semester - B.Tech. Programmes.
- The Standing Committee had discussed on the Conduct of University Examinations for PG Programmes.
- The Standing Committee had discussed on the commencement of Online Classes for 3rd and 5th Semester for ongoing UG programmes from 18th June, 2020.
- The Standing Committee had recommended the award of PhD Degree to the following 26 Candidates :

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
1	453	Manjula T R	Electronics Engineering	Dr. Raju Garudachar	Design of an optimised carrier tracking loop robust to ionosphere scintillation in GNSS receivers	11th Mar 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
2	454	R Aruna	Electronics Engineering	Dr Fathima Jabeen	Design and Development of an algorithm H.264-AVC/MPEG4 for digital transmission over 4G(LTE)	18th May 2020
3	455	Chidananda Murthy P	Computer Science and Engineering	Dr. A S Manjunatha	Securing cloud resource consumption using machine learning	18th May 2020
4	456	Matthew Titus	Microbiology	Dr. Srividya Shivakumar	Effect of potassium solubilizing bacteria/fungi and arbuscular mycorrhizal fungi on growth of tomato (lycopersicon esculentum) Plant	18th May 2020
5	457	Sindhu R	Biotechnology	Guide: Dr.C.Asawath Co-Guide: Dr.Sukanya,	Standardization of different factors on production of Adventitious Roots in Withania Somnifera using Bioreactors	19th May 2020
6	458	Ranjini M L	Commerce	Dr. Mahesh Kumar K R	A study on customers attitude, perceived risk & trust on adoption of online banking in Bangalore city	27th May 2020
7	459	Padmavati S	Electronics Eng	Dr. Vaibhav A Meshram	A Hybrid hardware technique for image compression using fractal quadtree decomposition	27th May 2020
8	460	Muzameel Ahmed	Computer Science and Engineering	Dr. V N Manjunath Ardha	Intelligent 2D shapes recognition system some novel approaches	28th May 2020
9	461	Ghamdan Mohammed Qasem Al-Mekhlafi	Computer Science	Dr Madhu B K	Proactive Fault Tolerance in Virtual Machine Based Cloud Data Centers for Performance Efficiency	29th May 2020
10	462	Tejaswi Thunugunta	Biotechnology	Dr. Lakshman Reddy	Study the effect of Nano-particles on Morphological, biochemical and Biotechnological aspects in Eggplant	30th May 2020
11	463	Shaimaa Ghazi Mohammed Shaher	Computer Science	Dr. Meena Kumari	Fault Tolerant scheduling in Cloud Data Centers for improving Resource Utilization	3rd Jun 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
12	464	Chethana S	Computer Science	Dr. G. N. Sreenivasan	A Pattern Oriented Approach to create Reusable Designs in Enterprise Systems	5th June 2020
13	465	Jayashree D.N	Mathematics	Dr. Harish Babu	A study of Multi-Criteria Decision Model and their Application	6th June 2020
14	466	Raghu N	Electronics Engineering	Dr. Vaibhav A. M	Artificial Neural Network Based ECG Classification For Arrhythmia Recognition	8th June 2020
15	467	Geeta Biradar	Life Science-Botany	Dr. Laxman R H	Phenotyping of tomato Genotypes for high temperature stress tolerance	9th June 2020
16	468	Purvi Pareek	Management	Dr. Chaya Bagrecha	Perception of challenges faced by women entrepreneurs and the effect on enterprise performance	11th June 2020
17	469	K. Saraswathi	Political Science	Dr. Sandeep Shastri	Politics of Centre-State Relations: A Case Study of Karnataka's Relations with the Centre from 1983-2008	11th June 2020
18	470	Aravinda H. L	Computer Science Engineering	Dr. M.V. Sudhamani	Analysis and Retrieval of Medical Images from Databases using CBIR Techniques Associated with Semantics for Diagnosis Purposes	12th June 2020
19	471	Rekha N	Management	Dr. Easwaran Iyer	Use of technology in Higher Educational Institutions – A Critical Appraisal	13th June 2020
20	472	Rupali Sunil Wagh	Computer Science	Dr. Deepa Anand	Knowledge based intelligent legal system for information retrieval	15th June 2020
21	473	Tulasi B	CSIT	Dr. Suchithra	Big Data Model Higher Education for Teaching Learning	16th June 2020
22	474	Abhishek K	Computer Science Engineering	Dr. S. Balaji	Heterogeneous parallel processing based virtual screening pipeline for effective rescoring in protein-ligand docking	16th June 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide (Co-guide)	Title of the Thesis	Date of Viva Voce
23	475	Sreenivasa N	Computer Science Engineering	Dr. S. Balaji	Integrated Event and Time Driven Computation Schemes using Heterogenous Parallel Processing for the Simulation of Spiking Neural Networks	16th June 2020
24	476	Lokesh B.S	Electronics Engineering	Dr. Manjunath M. B	Protection of Thermal Images using Novel Image Encryption and Decryption Algorithms	18th June 2020
25	477	Jayaram Chikkerur	Microbiology	Dr. Ashis Kumar Samanta	Isolation of Microbes for Enzymatic Production of Short Chain Oligosaccharides and its Evaluation as Prebiotic	19th June 2020
26	478	Kanakaraj A	Nanotechnology	Dr. Nataraj S. K	Eco-Friendly Synthesis of Functional Materials for Energy and Environment Applications	23rd June 2020

After briefing by the Chairman on the resolutions and action taken by the Standing Committee, members made their observations on the following aspects :

1. With regard to the online classes : Dr. Sadagopan mentioned that the challenges faced by even a minor percentage of students during the online classes need to be responded by the University. The Chairman clarified that the University had addressed this problem by making special efforts to reach the study material and by not denying added opportunity for examinations. He assured that the last student who had faced such challenges will not be left out.
2. With regard to the Policy on Research Incentives : Prof. Dwarakadasa appreciated the initiative taken by the University to implement policy on research incentives. He emphasized that financial incentives to individuals will diminish over the time in motivating a person. A different kind of incentive involving provision of additional facilities for research will benefit the researcher as well as institution. He also mentioned that Impact Factor is inadequate indicator of the quality of research. Dr. Babu emphasized on the need for improving the infrastructure for research as an instrument of incentivisation, and it is particularly important in the field of sciences. He mentioned that the incentives should accelerate both infrastructure and giving stimulus to individual. Dr. Sudhir Pai mentioned that incentives in the nature of promoting the performance and quality are useful to be considered.

Dr. Dinesh Nilkant suggested that such incentive can be in the form of funding the researchers to attend international / national conference to present research papers. Dr. Sandeep Shastri clarified that such a practice is already in vogue and a partial reimbursement in registration and travel is made for a quality research presented and that outputs to a conference paper in a good journal. Contact details of the agencies that are providing financial support for research work will also be shared with potential researchers for taking benefit.

The Chairman thanked the members for their suggestions and mentioned that they will be discussed internally for taking further steps.

Members ratified the resolutions and actions taken by the Standing Committee at its 73rd, 74th, 75th, 76th and 77th meetings.

Agenda item no. 3 – Discussion Items :

Agenda item no. 3.1 : To accord sanction to introduce the new programmes recommended by Planning & Monitoring Board and approved by Academic Council for the Academic year 2020-21.

As a preliminary remark on the agenda point, the Chairman informed that the Director (Academics and Planning) had communicated through the notification dated 5th October, 2019 to all the Departments of Studies of the University to submit proposals for the introduction of new programmes along with detailed background papers. Accordingly, proposals were received & scrutinized by the Standing Committee on 31st January, 2020 based on the course objective, scope of the course, career path & job opportunities. The proposals were placed before the Planning & Monitoring Board on 29th February, 2020 for its observations & recommendations. After thorough discussions on the need, demand, collaborative aspects with industries & sustainability of the proposed programmes the Planning & Monitoring Board suggested certain changes in the proposed Curriculum Matrix & recommended to forward them to the respective Boards of Studies for taking necessary action. The Curriculum Matrix & Syllabus (Semesters I & II) along with supporting documents received from the Boards of Studies were placed before the Academic Council meetings held on 13th August, 2020 for their approval.

The background papers containing brief introduction of the programmes, Curriculum Matrix and Syllabus of the following new programmes, which were approved in Academic Council have already been circulated to the Board of Management through

mail for perusal and review to accord sanction for these programmes for the Academic Year 2020-21.

At the request of the Chairman, essential features of the new programmes were presented by the concerned programme coordinators / members.

Dr. Hariprasad presented the following new specialisations under B.Tech programmes which are offered through University – Industry Interaction and customized as per industry needs :

School of Engineering and Technology –

1. Bachelor of Technology

(Electronics and Communication Engineering)

with new specializations in :

- (i) Embedded systems and Industrial IOT (ii) Cellular Technology

2. Bachelor of Technology

(Electrical and Electronics Engineering)

with new specializations in :

- (i) Electric Mobility and Smart Systems (ii) IOT Energy Management

3. Bachelor of Technology

(Mechanical Engineering)

with new specializations in :

- (i) 3D Printing (ii) Mechatronics

4. Bachelor of Technology

(Computer Science and Engineering)

with new specializations in :

- (i) Cloud Technology and Mobile Applications*
(ii) Cloud Technology and Information Security*
(iii) Data Sciences (Honours)* (iv) Internet of Things*
(v) Software Engineering* (vi) Artificial Intelligence*

(vii) Robotic & Process Automation

(viii) Artificial Intelligence and Machine Learning

(ix) Cyber Security

** The existing programmes with different nomenclature will henceforth be offered as specializations under Computer Science and Engineering.*

Prof. Dwarakadasa suggested that the new specialization, namely, '3D Printing' could be termed as 'Additive Manufacturing', as it is broader and more inclusive term.

Dr. Sadagopan pointed out on the new specializations proposed that are of new age technologies, should not be narrow, posing risk of quick obsolescence. Hence, the specialization terminologies should be broad enough in scope and content to sustain over a long duration. One has to also consider that UG programmes by their very nature should cover a broad spectrum rather than be narrowly focused.

Dr. Hariprasad agreed to look into the possibilities of considering change in nomenclature of new specializations as suggested.

Prof. Sridhara Murthi presented the following two new specializations under BCA in addition to the existing five specializations, which are industry-integrated and will be delivered using project based learning leading to internships and career opportunities in Information Technology. Syllabus are common from Semesters I to III for all BCA programmes, specializations start from Semester V. :

School of Computer Science and IT -

5. Bachelor of Computer Applications (BCA)

with specialization in :

- (i) Artificial Intelligence
- (ii) Cybersecurity

6. Bachelor of Management Studies (Event Management)

Dr. Easwaran Iyer informed that the Event Management courses are offered by involving one of India's leading players in the field. By integrating strategy, creativity and technology, the programme aims to provide unique experiences.

Dr. Ghosal presented the following programmes offered under University – Industry Interaction with International Skill Development Corporation (ISDC) which also includes Creative Art Design and Media:

7. Bachelor of Science (Brand Identity and Visual Communication Design)

Prof. Dwarakadasa pointed out that the product design is much of engineering skills and accordingly curriculum and faculty should also be relating to engineering background.

Dr. Deshpande suggested that the students should have an aptitude while choosing these creative design courses and particular specialization. Dr. Easwaran Iyer mentioned that during selection process the student will be admitted to a particular specialization based on the performance in the qualifying exam / entrance exam also through an aptitude test.

The members appreciated on the proposals for introducing new programmes and new specializations most of which are in innovative and emerging areas. The Chairman thanked Dr. Easwaran Iyer for taking initiatives for proposing new programmes.

The members accorded sanction for the introduction of all the above new programmes in the academic year 2020-21.

Agenda item no. : 3.2 Infrastructure and Human Resource requirement for the new programmes.

The Chairman mentioned that the Faculty members and infrastructure have been identified for all the New programmes. He requested the members to accord sanction for the requirements.

Members gave approval for appointing the required human resources and creating all the necessary infrastructure, lab, library and related items for all these new programmes.

Agenda item no. 3.3 : To approve the University Seed fund for the year 2020-21.

The Chairman informed the members of the Board of Management that the seed fund of Rs. 192 Lakhs recommended by the Finance Committee will be granted as a budgetary support based on the research proposals received from the centers.

The Board of Management approved the seed fund for the year 2020-21.

Agenda item no. 3.4 : Presentation of Annual Report on E-Governance for AY 2019-20.

The Chairman presented the Annual Report on E-Governance for the AY 2019-20. Members noted and appreciated the continuous efforts made by implementing e-governance in all aspects.

The Members approved the same.

Agenda item no. 4 - To approve the list of successful candidates for the award of Ph.D. Degree.

The Chairman requested Dr. Sandeep Shastri to place before BoM the list of successful candidates eligible for PhD degree who were recommended by the PhD Registration committee.

Dr. Sandeep Shastri presented the list of following 11 successful candidates (5 from Engineering, 1 from Management, 4 from Sciences and 1 from Languages) recommended by the Ph.D. Registration Committee on 8th September, 2020 for the award of Ph.D. who have fulfilled all the requirements after the 77th meeting of Standing Committee held on 27th June, 2020 :

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide	Title of the Thesis	Date of Viva Voce
1	479	Avani Jigar Pujara	Electrical Engineering	Guide : Dr. Shashikant M. Bakre Co-Guide : Dr. V. Muralidhara	A Novice approach for UI charge reduction using AMI based load prioritization in T & D Smart Grid	30th Jun 2020
2	480	Puja Shashi	Computer Science	Dr. R. Suchithra	Development of Segmentation model of MR Images of the Neonatal Brain	30th Jun 2020
3	481	K. Ezhilarasan	Electronics Engineering	Dr. D Jayadevappa	Design and Development of an Efficient Image Compression Algorithm with Novel Architecture for FPGA Implementation	30th Jun 2020
4	482	V Sreemathy	English	Dr. Yoganand Rao	An ethnographic inquiry into the Communicative competence in English of Kona Seema: A migrant community of South India	2nd Jul 2020

SI	PhD Thesis Number	Name of the PhD Candidate	Area of Subject	Guide	Title of the Thesis	Date of Viva Voce
5	483	Pranav Uday Kulkarni	Physics	Dr. Geetha Balakrishna Co Guide Dr. Debasis Ghosh	Synthesis and Characterization of Electrode Materials for Lithium-ion Batteries	8th Jul 2020
6	484	Velhal Geeta Vilas	Electrical Engineering	Guide : Dr. Shashikant M. Bakre Co-Guide : Dr. V. Muralidhara	A Novel Distance Estimation Technique for Single Line to Ground Fault in Electrical Transmission and Distribution Network Using Smart Meter	13th Jul 2020
7	485	Ramya G Rao K	Biochemistry	Dr. Manpal Sridhar	Biochemical characterisation and mechanism of lignin degradation in crop residues using manganese peroxidase of basidiomycetes	29th Jul 2020
8	486	Lakshman Naika R	Computer Science Engineering	Dr. Dinesh R	Recognition and construction of electronics circuit from paper diagram [Tool to assist the practical examinations of electrical/electronic students]	17th Aug 2020
9	487	Hamsa S	Electronics Engineering	Guide Dr. Ananth A G Co Guide: Dr. Thangadurai N	VLSI Design Optimization for the Development of Efficient PC-RAM and MRAM Based Non-Volatile Memories for FPGA Architecture	20th Aug 2020
10	488	Neethu K Chandran	Biotechnology	Dr. S. Sriram	Proteomic analysis of rose - powdery mildew (Podosphaera pannosa (Wallr.: Fr.) de Bary) interaction and mining of resistance mechanism	1st Sept 2020
11	489	Moutushi Ganguli Sharma	Management	Dr Mahesh Kumar K R	Evaluating and leveraging B-School corporate partnership in competency development	2nd Sept 2020

He stated that the similarity index of all the above 11 cases were less than 10% as per the norms set for anti-plagiarism and as a mandatory requirement of UGC Guidelines the theses would be uploaded in the INFLIBNET website. He informed that from 29th April 2020 that the candidates have successfully defended their thesis, at the time of viva-voce through online platform.

The Chairman suggested to send the copies of the PhD notifications for the award of PhD degrees to AIU on a regular basis.

The Chairman requested the Members of BoM to approve the present list of 11 successful candidates for the award of Ph.D through University Notifications.

Dr. Deshpande suggested that length of the Title of the Thesis should be shortened to reflect only the essential focus of the research work, rather than long descriptions found in titles.

Members accorded their approval to the list of 11 successful candidates for the Notifications for the award of PhD Degree.

Agenda item no. 5 – Reporting Item:

Agenda item no. 5.1 : Revised Guidelines from UGC on Examinations and Academic Calendar for the Universities in view of COVID-19 Pandemic.

The Chairman informed that the online examinations have been conducted for even semesters and online classes for odd semesters have already commenced. The commencement of classes in physical mode is awaiting the receipt of guidelines from UGC.

Agenda item no. 5.2 : JAIN initiatives to implement NEP 2020.

The Chairman informed on the new National Education Policy (NEP) – 2020 framed by the Ministry of Human Resource Development, GoI that gives a reformed vision for India's Higher Education System. He mentioned further that the University is awaiting detailed guidelines for implementation from the Ministry of Education. The road map which is being evolved by the University will be made compliant with the guidelines to be issued by the Ministry. He noted and appreciated Dr. Sandeep Shastri for interacting and providing inputs to the Committee that drafted NEP 2020 and also for conducting many workshops in this regard at various locations. He requested him to make a brief presentation on NEP 2020.

Dr. Sandeep Shastri highlighted on NEP 2020 as follows :

1. Our University is prepared for a road map for implementing NEP at short term and long term goals.

2. Some of the short term plans are mentioned below :
 - Courses having multi-disciplinary approach to be expanded further and responding as multidisciplinary University at all levels.
 - To be a Research Intensive University with significant focus on teaching with more autonomy.
 - Ph.D. courses already having teaching / education pedagogy to be more rigorously implemented.
 - Leveraging opportunities in research funds for projects.
 - Flexibility in all UG programmes through vocational education of multiple entry and exit options and the curriculum to be redesigned to implement from AY 2021.
 - All the PG programmes to be redesigned with research focus.
 - From 2025 PG programmes will be of one year duration for a graduate completed with four year UG programme.
 - National Mission for Mentoring to support other concerns through institutionalization.
3. Guidelines to be framed to implement NEP in the next 6 months.
4. Taking confidence and involvement of all stakeholders – Students, Faculty members, Management and Society.
5. Strategically implement by responding to all disruptions.
6. Brain storming sessions will be planned by involving all the principal officers and external members. Workshops will also be held for the benefit of faculty members.

Members appreciated Dr. Sandeep Shastri for the excellent presentation and taking ahead the NEP with a national interest.

Dr. Deshpande expressed that strengthening interdisciplinarity was indeed the emphasis of NEP though multidisciplinary development is mentioned.

Agenda item no. 5.3 : Internal and External / Statutory Audit for the Year: 2019-20

The Chairman mentioned that an Internal Audit of the University was held on 21/08/2020 for the year 2019-20. The Chairman further informed the Members that the Statutory Auditors (External) of the University would be auditing the University operations from 11/11/2020. The Internal Audit Observations and Actions taken would also be presented to the Auditors for review/ratification. The Auditors Report along-with the observations, if any, would be presented in the ensuing Board of Management Meeting.

Members noted all the reporting items.

Agenda item no. 6 – Any other matter with the permission of the Chair.

The Chairman informed that :

Agenda item no. 6.1 – Extension of Deemed to be University status.

With regard to the extension of Deemed to be University status, a Meeting of the UGC Expert Standing Committee to evaluate the performance and academic outcomes was held on 7th May, 2020 on a virtual mode. The UGC affiliation for extension is placed at 'Very Good' category and the results are expected soon. The Chairman thanked all the members, faculty members and management in this regard. Members congratulated the University for successfully extending affiliation from the UGC.

Agenda item no. 6.2 – Conduct of Annual Convocation of the University through virtual mode.

The Annual Convocation of the University shall be held through virtual mode this time and will be intimated to all members after an internal discussion.

Agenda item no. 6.3 – Achievements made by the Pro Vice Chancellor.

Dr. Sandeep Shastri, Pro Vice Chancellor has been appointed as Editorial Adviser to the Indian Public Policy Review (IPPR) Journal. This has Dr. Govinda Rao as Editor and Dr. C. Rangarajan as Chairman of Board.

In addition, Dr. Shastri has been appointed as the Co-Chair of International Political Science Association Research Committee on Comparative Public Opinion Surveys. On behalf of all the members the Chairman congratulated Dr. Sandeep Shastri.

Agenda item no. 6.4 – Initiative taken by the School of Design.

In a recent development, IIIT-B and IIM-B have joined hands with our School of Design for offering a Two-Year MBA in Software Product Management. This will be offered jointly by IIIT-B and IIM-B. While IIM-B and IIIT-B will bring in about 40% and 40% of the Course curricula, The School of Design will offer the remaining 20% of the curricula. This is expected to be offered from AY 2021-22 onwards. The Chairman appreciated Dr. S. Sadagopan, Director, IIIT-B in taking the initiative and Dr. S. Ghosal, Dean, School of Design, JAIN in taking forward with major associations.

Agenda item no. 6.5 – Setting-up of School of Allied Healthcare and Sciences (SAHS).

School of Allied Healthcare and Sciences (SAHS), a new school is being setup for introducing new programmes under allied health care and will be taken for discussion in the next Board of Management meeting shortly. An Advisory Board was constituted under the Chairmanship of Dr. Sudhir Pai, Senior Consultant Neurosurgeon, Aster RV Hospital to provide necessary overall guidance on matters relevant to Academics and to the Board of Studies in curriculum design and development.

Agenda item no. 6.6 - Action Taken Report on the Feedback from the stakeholders for the AY 2019-20.

The Chairman informed the Members that the structured feedback for design and review of Curriculum was received from stake holders, namely, Students, Faculty members, Potential Employers and Alumni for the AY 2019-20.

The Action Taken Report based on the 2019-20 feedback is given below :

Faculty	Feedback	Action Taken Report
Engineering and Technology	<ul style="list-style-type: none"> Students from Department of Food Technology recommended for contents that can be in logical sequence. 	<ul style="list-style-type: none"> Industry facilitators, namely, Food Safety Works were identified for delivering inputs on skilling on emerging and applied trends after each module for Department of Food Technology, especially in courses such as Advanced Food Chemistry, Industrial Food Microbiology and Food Analysis, Safety & Quality Control.
Engineering and Technology	<ul style="list-style-type: none"> Teachers from Department of Aerospace Engineering recommended a few more sessions in courses that covers global issues and national trends, life skilling and fundamental duties, national integrity. 	<ul style="list-style-type: none"> New course “Computational lab” based on Engineering analysis tools such as ANSYS and NASTRAN was introduced for B.Tech Aerospace and Aeronautical Engineering programmes. For life skill and course on national integrity, Constitution of India course was strengthened across all departments.

Faculty	Feedback	Action Taken Report
Management Studies	<ul style="list-style-type: none"> Teachers from Department of Management Studies suggested for some syllabus contents of social security. 	<ul style="list-style-type: none"> Inclusion of Swayam equivalent courses and other online courses for the subjects offered in a given semester was encouraged for MBA programmes. Arranged conferences / workshops to encouraged students to participate and present research papers in social security areas.
Management Studies	<ul style="list-style-type: none"> Employers of passing out students from Department of Management Studies recommended curriculum oriented towards hands-on skill, analytical abilities with effectiveness for developing innovative thinking. 	<ul style="list-style-type: none"> A new specialization on Entrepreneurship and Family Business management was introduced under MBA programme so that students can be trained with hands-on skill, analytical abilities with effectiveness for developing innovative thinking. Courses on Aviation & Aerospace Business Models and Artificial Intelligence and Digitalization in Aviation were introduced while revising MBA Aviation Management programme that provides skill and analytical abilities.
Sciences	<ul style="list-style-type: none"> Teachers from Department of Computer Science and IT suggested some more reference materials, syllabus covering aspects of life skills and fundamental duties. 	<ul style="list-style-type: none"> For the Department of Computer Science and IT, sufficient reference materials were ensured and library was equipped and updated with recent articles on a periodical basis. More webinars were organized with industry personnel and subject matter experts as resource persons to upgrade the skill sets needed for the current industry scenario. Technology based online quizzes were conducted to self-assess an individual's level. Industry relevant free online certification courses were conducted. Refresher training programs on Soft skills were conducted periodically by premier industry partners.

Members expressed their appreciation and approved for implementation.

At the end of the meeting, the Chairman informed that Dr. CG Krishnadas Nair who has completed two successful terms as Chancellor has demitted his office. The Chairman placed on record the yeomen services rendered by Dr.Nair and for supporting and guiding the University to reach the pinnacles and also meet all the requirements of the regulatory bodies. The President of the University, Dr. Chenraj Roychand has been appointed as the Chancellor of JAIN (Deemed to be University) and he has assumed the charge of this office with effect from forenoon of 1st June 2020. Dr. Nair has agreed to support and guide the University further in the capacity of Principal Adviser. Members admired and appreciated Dr.Nair. Members congratulated Dr. Chenraj Roychand.

The meeting concluded with the Registrar giving vote of thanks and expressing his gratitude to the Chairman for the smooth conduct of the meeting and other members for their active participation and inputs.



Registrar,
Jain (Deemed-to-be-University)

Welcomes

The Members for
31st Meeting of the
BOARD OF MANAGEMENT

Date : 9th September, 2020

Time : 11.30 AM

