

**Minutes of the 26th Meeting of the Academic Council,
held on Saturday, 10th February, 2018 at 2.30 pm in the University Office.**

The following members were present :

1. **Dr. N. Sundararajan**, Vice Chancellor, JU - Chairman, AC
2. **Dr. R. Natarajan**, Former Chairman, AICTE and Former Director, IIT-M
3. **Mr. A.K. Vora**, Chairman, TATADLT, Pune & Former Director, Tata Consulting Engg. Ltd.
4. **Dr. M.C. Radhakrishna**, Prof. (retd.) & Former Chairman, Dept of Physics, Bangalore University
5. **Dr. Sandeep Shastri**, Pro Vice Chancellor, JU
6. **Dr. Jayagopal Uchil**, Director, Academics and Planning, JU
7. **Dr. Easwaran Iyer**, Dean, Commerce, JU
8. **Dr. Mythili P. Rao**, Dean, Languages, JU
9. **Dr. S.A. Hariprasad**, Director, SET, JU
10. **Prof. K.R. Sridhara Murthi**, Professor, IIAEM, JU
11. **Dr. Vasu B.A.**, Director, SCMS, JU
12. **Dr. K.N. Varalakshmi**, Director, CPGS, JU
13. **Dr. Rajani Jairam**, Dean, Student Welfare, JU
14. **Dr. Asha Rajiv**, Centre Head, School of Sciences & Director, IQAC, JU
15. **Dr. Bhaskar Dixit**, Director, FCRC, JU
16. **Dr. Shankar UV**, Director, Sports, JU
17. **Prof. N.S. Manjunath**, Controller of Examinations, JU
18. **Dr. T. Padmavathi**, Department of Microbiology, CPGS, JU
19. **Dr. Srividya Shivakumar**, Department of Microbiology, CPGS, JU
20. **Dr. N. Shanthi**, Department of Physics, CPGS, JU
21. **Dr. Arathi Sudarshan**, Department of Mathematics, SGS, JU
22. **Ms. Anitha Abraham**, Department of Microbiology, SGS, JU
23. **Dr. Benaka Prasad**, Department of Basic Sciences, SET, JU
24. **Dr. B.R. Rao**, Department of Management, CMS B School, JU
25. **Dr. Xavier V.K.**, Department of PG Studies in Economics, School of HSS, JU
26. **Dr. Arvind Kumar**, Department of Hindi, JU
27. **Col. TNC Vijayasarathy VSM**, Department of Mind Management, JU
28. **Dr. B T Venkatesh**, Advisor, Examinations Unit, JU
29. **Mr. H.N. Manjunath**, Chief Librarian, JU
30. **Dr. N V H Krishnan**, Registrar, JU - Member Secretary, AC

Special Invitees :

31. **Prof. E S Dwarakadasa**, Chairman, Karnataka Hybrid Micro Devices Ltd. & Retd. Prof. IISc
32. **Dr. Manoj Veetil**, Professor, Department of Aerospace Engineering, IIAEM, JU
33. **Dr. Amit Kumar**, Associate Professor, CNMS, JU

Leave of Absence Intimated :

1. **Dr. J Gururaja**, Former Adviser, Ministry of New and Renewable Energy, GOI and Former Senior Adviser, United Nations, New York
2. **Dr. M.J. Vinod**, Professor, Department of Political Science, Bangalore University
3. **Dr. Mithileshwar Jha**, Pro Vice Chancellor, JU
4. **Prof. K.S. Shantamani**, Chief Mentor, JGI

5. **Dr. Harold Andrew Patrick**, Dean, Academics, CMS Business School, JU
 6. **Dr. Dinesh Nilkant**, Director, CMS, JU
 7. **Dr. Geetha Balakrishna**, Director, CNMS, JU
 8. **Dr. Rajan K E Varghese**, Director, School of Law, JU
 9. **Dr. Veena V. Nagaraj**, Department of Chemistry, SGS, JU
 10. **Prof. V. Achutha**, Department of Computer Science, JU
 11. **Capt. Rekha Sinha**, School of Interior Design, JU
 12. **Prof. V. Parameswaran**, Director & HoD, IIAEM, JU
 13. **Dr. Jitendra Mishra**, Department of Management, MIME, JU
 14. **Dr. Rajdeep Manwani**, Department of Commerce, JU
 15. **Dr. H.N. Prakruthi**, Department of English, SGS, JU
 16. **Mr. M.S. Santhosh**, Joint Registrar, JU
 17. **Mr. Udaya Kumar Soori**, Deputy Registrar, JU
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The Chairman extended a warm welcome to all the members and special invitees for the 26th meeting of the Academic Council.

The Chairman was very happy to inform the members that UGC Expert Committee visit during 21st - 23rd December, 2017 went on very well and it is learnt that the Committee has recommended our University to continue with the deemed-to-be University status. He mentioned that an official recommendation is awaited. The Chairman thanked all the external members and internal members for their constant proactive support.

The Chairman also mentioned that Credit Rating Information Services of India Limited (CRISIL), had visited CMS Business School on 13th of November, 2017 and have rated our MBA programme with 'A' Grade on the state level and 'B★ ★ ★' Grade at the national level. The University is proud of this achievement of the School of Management.

After these preliminary points, the Chairman took up the agenda items for discussion.

Agenda item No. 1 - Confirmation of the minutes of the 25th meeting held on 16th September, 2017.

The Chairman informed that the copy of the minutes was circulated to all the members and there were no particular suggestions / observations received and therefore he requested the members to confirm the minutes of the last meeting.

The members gave their approval to confirm the minutes of the 25th meeting of the Academic Council held on 16th September, 2017.

Agenda item no. 2 - Action taken report :**2.1. Implemented the revised Curriculum Matrix & Syllabus of MBA programme from Semester I to IV (2017 batch).**

The Chairman informed that the revised curriculum matrix and syllabus of MBA programme which were approved in the last Academic Council meeting for the academic year 2017-18 have been implemented.

Members noted the action taken.**Agenda item no. 3: Discussion items :****3.1 To review the Research Activities with regard to**

- a) Projects, Publications and Consultancy
- b) Ph.D. Programmes
- c) Interaction and collaboration with industry

The Chairman informed the members that a few respected external members, namely, Prof. E.S. Dwarakadasa, Dr. J. Gururaja and Mr. A.K. Vora have been suggesting for the need to discuss research activities and industry collaborations undertaken by our University. Therefore, a special agenda as specified in 3.1 has been prepared and this Academic Council meeting is called for mainly to have an open discussion and interaction.

The Chairman gave a brief power point presentation on the research activities of the University to the members. The highlights of the presentation are given below :

- Thrust areas of research work pertaining to the 7 dedicated research centers of the University, namely, (i) Center for Disaster Mitigation (CDM), (ii) Fire and Combustion Research Center (FCRC), (iii) Center for Research in Aerospace Engineering, (iv) Center for Emerging Technologies (CET), (v) Center for Nano and Material Sciences (CNMS), (vi) Center for Research in Social Sciences and Education (CERSSE) and (vii) Center for Research in Ancient History and Culture (CAHC).
- Collaborations with leading organisations : The University has signed 34 international MoUs, 55 national MoUs, 14 international agreements and 18 national agreements with Universities, Industries and R&D establishments.
- External and internal fundings : 27 externally funded on-going research projects with a grant of Rs.9.51 crores (DST, MNRE, DOS, DRDO, VGST, ARDB, ICSSR, ICMR etc.,). 69 externally funded research projects completed with an outlay of

Rs.15.82 crores. Management has funded research to the tune of Rs.35 Crores towards research in the form of developing infrastructure, providing seed capital to young researchers and as equipment grant.

- Statistics of research projects which are completed (69) and ongoing (27).
- University Instrumentation Centre has state-of-art facilities including equipment like FESEM, Powder XRD, Atomic Absorption Spectrophotometer, ATR-IR Spectrometer, Gas Chromatograph.
- Some of the Research facility also includes National facility like RP Coating facility funded by DRDO.
- Research publications : Research papers (2860) published in refereed journals. Out of which, 1847 Research papers are in Scopus / International databases. Books / Book chapters published by the University with ISBN /ISSN – 157.
- 75 Faculty have received research awards like ERA Fellowship, Republic of Ireland, Brain Korea 21 Fellow, Senior Scientist of Asia- Pacific Award, Fulbright-Nehru Fellowship.
- Number of Patents filed are 15 and number of Patents approved are 7.
- Research Consultancy : 18 on-going consultancy projects generating a revenue of 2.35 crores. 38 completed Consultancy projects generating a revenue of 4.04 crores.
- ICARE RATINGS – KSURF : The Executive Committee of the Karnataka State Higher Education Council, Department of Higher Education, Government of Karnataka on the recommendation of the duly appointed agency ICARE RATINGS has rated Jain University as a Four-Star institution with a score of 661 out of 1000. This rating is in the Category of Young University (5 to 10 years old) on the basis of comprehensive performance metrics as set out in the Karnataka State Universities Rating Framework (KSURF) in its notification dated 31st March, 2017. Jain University happens to be in the 2nd position in the Karnataka Universities Score Card in the category of Young Universities.

The Chairman requested Dr. Sandeep Shastri to give details on PhD and MPhil programmes.

Dr. Sandeep Shastri highlighted on the PhD programmes as given below :

- Selection process of candidates for research programmes is based on written examination and interview.
- Structure of the Course work for PhD programme comprises of Research Methodology, Core Paper and 2 Specialization Papers during Term I. Topics finalization and Synopsis presentation will be during Term II. Skill Development Programme is a compulsory component of course works. Progress review every 6 months through Seminars and Presentations during research retreats.

After the intense research work in the field of study for about 3 – 4 years, they have to finalise the Thesis and submit the copies to the University. Before submission they should have atleast 2 publications in the recognized Peer Reviewed Journals / Scopus Index / International Database Journals. For the adjudication of the thesis a list of 10 examiners (5 within the state & 5 outside the state) will be furnished by the Guide of the PhD Scholar. University selects 2 external examiners (1 inside the state & 1 outside the state). The guide is also one of the 3 examiners for the thesis evaluation.

The duration for completion PhD programme is minimum 3 years and extended to 5 years. On an average a scholar takes 4 to 5 years.

- So far, the University has awarded 203 PhDs. Faculty wise distribution of PhD degrees was presented.
- Senior CEOs and Vice Presidents of reputed companies have undergone these processes while pursuing their PhDs.
- 16% dropouts in PhD programmes mainly due to either rigour of the programme or personal reasons.

The Chairman requested all the external members to give their valuable suggestions and feedback on the detailed presentation of the research activities for the University.

Prof. ES Dwarakadasa noted that the University has taken excellent initiatives with regard to research activities and appreciated the same. For strengthening this area he made following suggestions :

- Faculty members doing research must dedicate more time to research.
- Look into collaborations with research groups from other institutions in the country.
- To become member of accredited academies & professional bodies in the relevant areas and invite the well-known members of the academies during National / International conferences for the purpose of close interaction.
- Interact with industries for providing consultancy and solution for the outstanding problems.
- Steps should be taken to ensure that the research work done in certain niche areas in the University is well publicized.
- The research projects for PhD / MPhil must be made more relevant to the societal needs.

Mr. AK Vora mentioned that the research facilities in the University are very impressive and research projects carried out are quite interesting. He gave the following suggestions :

- To create a stronger base of infrastructure to carryout multidisciplinary research.
- While selecting the research projects the investigator must look for the need of society either in rural or urban sectors and finding solutions for the existing problems.
- The faculty members involved in research activities must gear up to take proactive steps in discovering these needs through structured mechanism. This creates culture of proactive approach.
- Researchers must interact & take advice from industries / other academies and understand the type of industrial innovations taking place.
- One of important metrics in the research output is the product development. It is highly desirable to have knowledge on product / semi product that are commercialized to serve the need of the society.
- The research projects must undergo review process of validation through a committee consisting both internal and external experts.

Dr. MC Radhakrishna gave his suggestions as follows :

- The University must look for increasing the average Impact Factor for research publications from the existing 2.62 by improving the quality & standard of research.
- Faculty members and postgraduate students should be encouraged to take up the National Eligibility Test (NET) of UGC. NET qualified faculty members must be retained by providing them appropriate research facility and scope for merit promotion.
- To increase number of patents by improving the quality of application oriented research.

Dr. R. Natarajan felt that the University is on right track to reach high standards and he gave his suggestions as follows :

- The University should participate in National Institutional Ranking Framework (NIRF) initiated by MHRD, which gives ranking to Universities of India. This will in turn help to work out strategies to compete with institutions at international level. Similarly, the University can also apply to AICTE's - The National Board of Accreditation (NBA) for periodic evaluations of technical institutions & programs as per specified norms and standards.
- More thrust should be given for research publications in journals listed with Scopus Index. It is better to have a small number of publications in highly recognized journals than having large number in ordinary journals. The research

output with respect to publications must be reviewed once in 6 months by the University.

- Collaboration with external agencies like industries, scientific institutions and R&D Labs is a must for raising the standards of research in the University.
- Steps should be taken to make use of the major initiatives of the Prime Minister of India, like Make in India, Start-up India programmes for strengthening and supporting the infrastructural base for research activities in the University.
- Placements must be consistent and analyzed for the excellence in quality of programmes.
- To look into possibilities of all research centers at the same location for strengthening interdisciplinary research.
- Benchmarking the research activities of individual researchers for the purpose of potential growth. The best practice is to get feedback on all research activities to improve the performance. IISc may be considered for such benchmarking exercise.

Dr. Easwaran Iyer added to the point made by Dr. Natarajan on Placements by stating that the placement problem will be sorted out by looking into startups and internships.

Dr. Bhaskar Dixit clarified to the point made by Dr. Natarajan with regard to Research collaborations by stating that Center for Disaster Mitigation (CDM) in association with Bhabha Atomic Research Centre (BARC) has established lab facilities for Fire Testing Lab. Dr. Natarajan requested Dr. Dixit to submit a note on this research activity in due course.

Mr. Vora added to the point made by Dr. Natarajan on the benchmarking by stating that the University may look into possibilities of benchmarking with other institutes like Illinois Institute of Technology, Chicago and Virginia Tech, USA, with whom the University has already got MoUs.

Dr. Manoj Veetil mentioned that within a span a 6 months of his involvement in the University he has received overwhelming support and innovative ideas in the areas of research and he thanked the Chancellor, the Vice Chancellor and the Management.

Dr. Xavier informed that our University shall be interacting with other institutions for conducting research and organizing conferences.

Dr. Varalakshmi pointed out that at the Center for Post Graduate Studies (CPGS) the faculty members are effectively handling up both research activities and teaching assignments hand-in-hand. The Center has been taking up projects of social relevance.

Dr. Hariprasad stated that all the Centers of Faculty of Engineering emphasizes on student projects and approaching industries like Texas, Bosch etc. in solving their problems. School of Engineering has started a 'Makers Lab' wherein the faculty members involves students in developing test equipments and machines through a manufacturing workshop to improve their confidence level in engineering applications and to develop a tinkering culture.

Dr. Amit mentioned that fundamental research is also important along with the high-end research for solving industrial problems.

Dr. Rajani Jairam informed that the Faculty of Languages is involved in a project on data security, i.e Cryptography in association with ICPR which is being guided by Prof. Dwarakadasa and soon the project will be submitted to DST.

Dr. Mythili mentioned that with right spirit and direction our University shall be recognized as a Research University in the near future with collaborative efforts.

Prof. Sridhara Murthi informed the members about the Innovative Idea Contest which are held in a well-structured manner every year and this year it is held during February / March for students / faculty members / outsiders to bring in tangible inventive ideas for products / services necessary for the Technology Business Incubation. These ideas are evaluated and if found promising, the innovative ideas will be taken up for incubation. The successful contestants will be recognized suitably during World IPR Day on April 26th.

Dr. Jayagopal Uchil stressed to include the following parameters while benchmarking academic programmes of the University : i) Placements, ii) Progression to higher studies & higher levels when employed and iii) Attaining NET qualification.

Dr. Sandeep Shastri summarized on the discussions held with regard to the Research activities and stated that our University would strive to excel in Quality Education, Research and Entrepreneurial Development as per the vision of our University. He was very certain that the discussions have encouraged all the faculty members.

The Chairman remarked that this was the first Academic Council meeting which dealt exclusively for discussions on Research activities which has now given room for a lot of introspection. Similar brainstorming meetings will be held frequently to review research activities. He requested all the faculty members to make use of the suggestions of the expert members for quality enhancement in Research. He profusely thanked all the external members for giving valuable suggestions and internal members for active participation in the discussions.

Agenda item no. 4: Reporting Item :

Agenda item no. 4.1. Visit of UGC Expert Committee during 21st – 23rd December, 2017.

The Chairman has already discussed with regard to UGC expert committee visit in his preliminary remarks.

Agenda item no. 4.2. Conduct of Academic & Administrative Audit (AAA) for 2016-17.

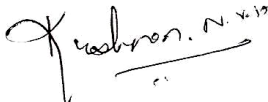
Academic & Administrative Audit (AAA) was conducted from 10th November, 2017 to 11th November, 2017 of all schools / administrative offices by a team of auditors and the recommendations from the audit report was shared with the Deans / Directors and areas of improvement were discussed for improvement in the IQAC meeting held on 15th November, 2017.

The members noted Reporting items

Agenda item no. 5: Any other matter with the permission of Chair :

There was no other matter for discussion.

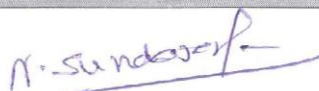
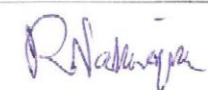
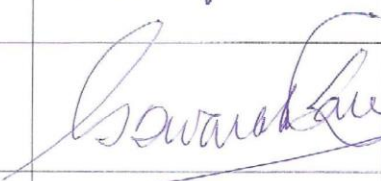
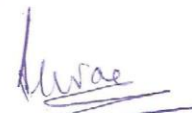


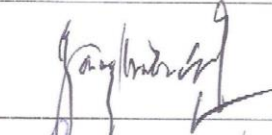
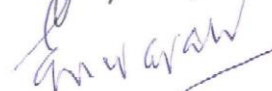
The meeting concluded with a vote of thanks.



Registrar
Jain University






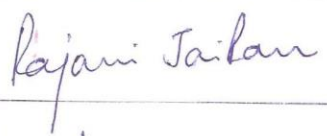

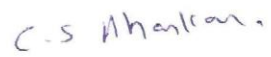

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3	Prof. E S Dwarakadasa (Special Invitee) Chairman, Karnataka Hybrid Micro Devices Ltd. & Retd. Prof. IISc	
4	Dr. J Gururaja, Former Adviser, Ministry of New and Renewable Energy, GOI and Former Senior Adviser, United Nations, New York	— ABSENT —
5	Dr. M.J. Vinod, Professor, Department of Political Science, Bangalore University	— ABSENT —
6	Mr. A.K. Vora, Chairman, TATADLT, Pune & Former Director, Tata Consulting Engineers Ltd.	
7	Dr. M.C. Radhakrishna, Professor (retd.) & Former Chairman, Dept of Physics, Bangalore University	
8	Dr. Sandeep Shastri, Pro Vice Chancellor, JU	
9	Dr. Mithileshwar Jha, Pro Vice Chancellor, JU	— ABSENT —
10	Prof. K.S. Shantamani, Chief Mentor, JGI	— ABSENT —
11	Dr. Jayagopal Uchil, Director, Academics and Planning, JU	
12	Dr. Easwaran Iyer, Dean, Commerce, JU	

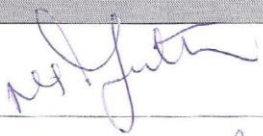
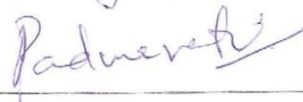

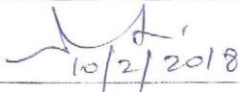
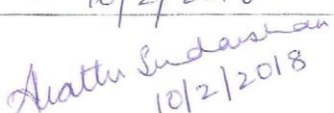
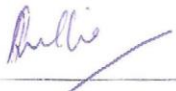
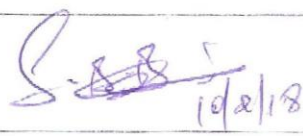

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16	Prof. K.R. Sridhara Murthi, Professor, IIAEM, JU	
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22	Dr. Bhaskar Dixit, Director, FCRC, JU	
23	Dr. Shankar UV, Director, Sports, JU	
24	Dr. Geetha Balakrishna, Director, CNMS, JU	— ABSENT —
25	Dr. Rajan K E Varghese, Director, School of Law, JU	— ABSENT —




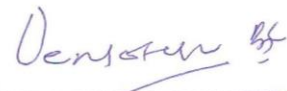


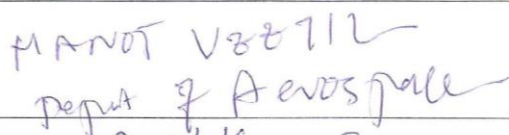
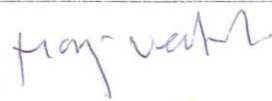
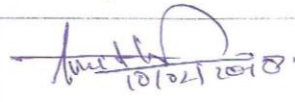
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26	Prof. N.S. Manjunath, Controller of Examinations, JU	
27	Dr. T. Padmavathi, Department of Microbiology, CPGS, JU	
28	Dr. Veena V. Nagaraj, Department of Chemistry, SGS, JU	— ABSENT —
29	Dr. Srividya Shivakumar, Department of Microbiology, CPGS, JU	 10/2/18
30	Dr. N. Shanthi, Department of Physics, CPGS, JU	 10/2/2018
31	Dr. Arathi Sudarshan, Department of Mathematics, SGS, JU	 10/2/2018
32	Ms. Anitha Abraham, Department of Microbiology, SGS, JU	
33	Prof. V. Achutha, Department of Computer Science, JU	— ABSENT —
34	Capt. Rekha Sinha, School of Interior Design, JU	— ABSENT —
35	Prof. V. Parameswaran, Director & HoD, IIAEM, JU	— ABSENT —
36	Dr. Benaka Prasad, Department of Basic Sciences, SET, JU	 10/2/18
37	Dr. Jitendra Mishra, Department of Management, MIME, JU	— ABSENT —
38	Dr. B.R. Rao, Department of Management, CMS B School, JU	
39	Dr. Rajdeep Manwani, Department of Commerce, JU	— ABSENT —

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40	Dr. Xavier V.K., Department of PG Studies in Economics, School of Humanities & Social Sciences, JU	
41	Dr. H.N. Prakruthi, Department of English, SGS, JU	— ABSENT —
42	Dr. Arvind Kumar, Department of Hindi, JU	
43	Col. TNC Vijayasarathy VSM, Department of Mind Management, JU	
44	Dr. B T Venkatesh, Advisor, Examinations Unit, JU	
45	Mr. M.S. Santhosh, Joint Registrar, JU	— ABSENT —
46	Mr. Udaya Kumar Soori, Deputy Registrar, JU	— ABSENT —
47	Mr. H.N. Manjunath, Chief Librarian, JU	
48	Dr. N V H Krishnan, Registrar, JU & Member Secretary, AC	
49	 deput of Aerospace	
50	Dr. Amit Kumar CNMS, JU	 10/2/2018
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