



JK LAKSHMIPAT UNIVERSITY, JAIPUR

Institute of Engineering and Technology

Minutes of 10th meeting of Board of Studies (BoS), held on

Sunday: 22.09.2019 in the IET-Amphitheater-009 at 11:00 AM

Present:

1. Dr. R. L. Raina, Vice Chancellor, JKLU
2. Dr. Sanjay Goel, Director-IET, JKLU
3. Dr. Rani S. Ladha, Dean-IM, JKLU
4. Dr. S. D. Joshi, Professor, IIT Delhi
5. Prof. B. R. Natarajan, HOD, Chemical Engineering, Banasthali Vidyapeeth.
6. Mr. R. Narasimhan, VP (Projects), SB Energy, New Delhi
7. Dr. Ajit Pratap Singh, Dean(UG), Professor of Civil engineering ,Birla Institute of Technology and Science, Pilani
8. Dr. Jinesh Kumar Jain, Associate Professor, MNIT, JLN Marg, Jaipur, Rajasthan
9. Dr. Sanjay Vashishtha, Managing Director, First Green Consulting Pvt. Ltd., Gurgaon
10. Mr. Arun Kumar Singal, CEO, IR 4Tech New Delhi
11. Mr. Amit Trivedi, COO, My Recharge Skill Development and Director, Synergy, Jaipur
12. Dr. Jitendra Kumar Singh, Assistant Professor-CHE, JKLU
13. Dr. D. K. Sharma, Professor, CE, JKLU
14. Dr. Kedar Sharma, Associate Professor-CE, JKLU
15. Dr. Tanunay Kumar Deb, Assistant Professor- CE, JKLU
16. Dr. Amit Sinhal, Professor-CSE, JKLU
17. Dr. Sonal Jain, Associate Professor-CSE, JKLU
18. Dr. S. Taruna, Associate Professor-CSE, JKLU
19. Dr. Gustavo Sanchez, Professor-EEE, JKLU
20. Dr. Devika Kataria, Associate Professor-EEE, JKLU

21. Dr. Pushendra Singh, Associate Professor-EEE, JKL
22. Dr. Ravi Shankar Prasad, Associate Professor-ME, JKL
23. Dr. Md. Zubair , Assistant Professor-ME, JKL
24. Dr. Vipin Kumar Jain, Associate Professor-SLA, JKL
25. Dr. Umesh Gupta, Associate Professor-SLA, JKL
26. Dr. Jaya Gupta, Assistant Professor-SLA, JKL
27. Dr. Sandeep Tomar, Registrar (Officiating) Academics and Examination, JKL

Agenda Item No. 1: Welcome & Opening Remarks

Hon'ble Vice Chancellor, Dr. Roshan Lal Raina extended heartfelt welcome to all Board of Studies Members of Institute of Engineering and Technology. He also briefly introduced the newly inducted external members:

1. Dr. Ajit Pratap Singh, Dean(UG) Professor of Civil engineering Birla Institute of Technology and Science, Pilani
2. Mr. R.S.Mani, Deputy Director General, NIC, New Delhi
3. Mr. Amit Trivedi, COO, My Recharge Skill Development and Director, Synergy, Jaipur

In his opening remarks, Hon'ble Vice Chancellor informed the Board about the following:

- Inauguration of Atal Incubation Centre (AIC) at JKL and 18th edition of the Startup Master Class (SMC) organized by Alumni association IIT Kanpur and AIC- JKL on 27th July 2019, more than 250 participants in this programme. The SMC themed around **Gearing for Growth** was graced with the presence of Mr. Ambrish Kumar, Commissioner & Special Secretary, DoIT, Government of Rajasthan.
- Launching of Institute of Design offering Bachelor of Design (B.Des) programs in three specializations (i) *Product Design*, (ii) *Interaction Design* and (iii) *Interdisciplinary Design* from 2019-20 academic session.
- Conferment of the Sixth JKL Laureate Award on Dr. Manmohan Singh, Hon'ble Former Prime Minister of India who also delivered *Shri Hari Shankar Singhania Memorial Oration* on "**Strengthening the roots of democracy**" on 7th September 2019.
- Meaningful overseas collaboration with the different universities and organizations. In collaboration with **University of Massachusetts (UMass) Amherst**, start three master degree programs:
 - M.Sc. in Data Analytics
 - M.Sc. in Applied Economics
 - MA in Public Policy

Induction program for the students admitted in above programs was held on September 16, 2019.

- Collaboration with IIT Gandhinagar- under this collaboration 07 student of JKLU are pursuing one semester in IIT Gandhinagar.
- Distinguished Lecture series, Academic forum and preparation for NAAC and NBA process.
- Workshop on “Python programming” for CBSE school teachers in the month of June 2019
- Teachers training and award function on Sept. 15, 2019 at JKLU Jaipur.

Agenda Item No. 2: Leave of Absence

Leave of absence was granted to the following members:

1. Prof. Rahul Banerjee, Director, LNMIIT, Jaipur
2. Mr. Sanjeev Jindal, GM, Airport Authority of India, New Delhi
3. Mr. R.S.Mani, Deputy Director General, NIC, New Delhi
4. Mr. Yashpal, Assistant Manager, DEKRA India Pvt. Ltd., New Delhi
5. Dr. Richa Mishra, Assistant Professor IM, JKLU

Agenda Item No. 3: Confirmation of the Minutes of the last Board of Studies Meeting held on May 04, 2019

Minutes of the 9th BoS meeting, held on May 04, 2019 were confirmed.

Agenda Item No. 4: Action Taken Report

Action Taken Report based on the Minutes of 9th Board of Studies Meeting held on May 04, 2019 was noted. (Annexure-01)

Agenda Item No. 5: Discussion on Curriculum

Director-IET, Dr. Sanjay Goel made a brief presentation about the Institute of Engineering and Technology. He talked about the pedagogy adopted by the Institute and focus areas of the University around new generation technologies related to IR4.0 He briefly outlined on academic and industrial collaboration and also requested to external members to help in developing similar collaboration of JKLU with their organization.

He highlighted the key characteristics of the proposed curriculum of **B. Tech program**, such as minor and concentrations, integrated courses, basket of open and department electives, Thematic Week, independent study, etc.

All program coordinators presented the Courses offered in concentration, minor, Departmental and open electives of respective programs.

Suggestions:

The Board appreciated the innovative course structure for B. Tech program. The suggestions provided by them are as follows:

Minor

- The minor should be redesigned so that they become attractive for the student of other branches. The minor should be in the new technology and interdisciplinary areas rather than in the conventional core engineering branches.
The revised proposal will be put-up for consideration in next BOS.

Concentration

- The concentration should require the compulsory minor project in the relevant area.
- In Electrical and Electronics Engineering, the concentration of Communication Engineering should be replaced by Communication and Signal Processing.
- In Mechanical Engineering, the concentration on Automobile Design and engineering should include 'Industrial drive and E-vehicle'. It was also suggested to include a topic 'battery waste management' in an appropriate course.

In the line of above suggestions revised list of concentration are in Annexure-02

Independent Study & Summer internship

- A proposal for Independent Study, Independent Research, & Competitive programming should be unified under one category Independent Study. Student can take up to four such courses Independent Study-I.....IV with 2 credit each. The evaluation scheme for a particular course in a semester may be decided by concerned department.
- Students can undergo additional summer internship (optional) of 2 credits each post first year and third year.

Suggestion for curriculum modification

- In ECE, for the batch 2017-21 the core course of Digital Communication Network (3-0-2) should be replaced by the core course of Microwave engineering (3-0-2) and former should be converted as elective.

Suggestion for specific courses

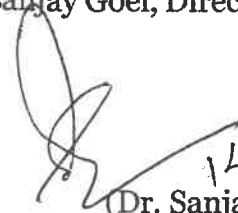
- Open elective Finite element method and Optimization Techniques should co-teach by Mathematics and CE/ ME faculty members.
- The topics of Experimental Science should be reduced to facilitate deeper learning of fewer concepts and techniques.

- The departments should form class committees of students to discuss and deliberate upon academic issues.
- Construction project management course should include estimation and costing.
- Department of Civil Engineering should introduce Bridge engineering as an elective.
- Automobile engineering should include introduction to Chassis body design and e-vehicle
- Department elective course Refrigeration and Air-conditioning should include Introduction to HVAC systems.

Agenda Item No.6: Policy for semester pursued off campus

In case of semester pursued at other universities, faculty committee should decide about the equivalence of courses and no compromise should be made about the important core courses.

Board appreciated the pedagogy adopted by the Institute and the course structure of all the programs. Meeting ended with the vote of thanks by Prof. Sanjay Goel, Director IET.



14/10/19

(Dr. Sanjay Goel)
Director IET
Chairman BoS, IET

