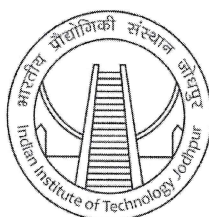

Indian Institute of Technology Jodhpur

Senate

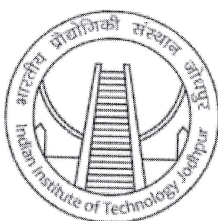
Minutes of 16th Meeting

01st January 2019 (Tuesday)
04:00 pm to 7:00 pm
Board Room, IIT Jodhpur



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

This page is left blank, intentionally.



॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

Indian Institute of Technology Jodhpur

Senate

Minutes of 16th Meeting

1st January 2019 (Tuesday)

4:00 pm to 7:00 pm

Board Room, IIT Jodhpur

The following members were present:		
1	Santanu Chaudhury, Director, IIT Jodhpur	Chairman
2	H. P. Khincha, Chairman, Karnataka State Innovation Council, Bangalore	Member
3	Sanjeev Misra, Director, AIIMS, Jodhpur	Member
4	S. R. Vadera, Professor and Head (PH)	Member
5	B. P. Kashyap, Professor In-charge (MT)	Member
6	C. Venkatesan, Visiting Professor (ME)	Member
7	Anil Tiwari, Head (EE)	Member
8	Ankita Sharma, Head (HS) and Chairperson (Student Counseling Services Committee)	Member
9	Gaurav Bhatnagar, Head (MA) and Chairman (Student Admission Committee)	Member
10	Gaurav Harit, Head (CSE)	Member
11	Kaushal A. Desai, Head (ME)	Member
12	Ritu Gupta, Head (CY)	Member
13	Rakesh Sharma, Associate Dean (R & D)	Invitee
14	Samanwita Pal, Associate Dean (Students)	Invitee
15	Somnath Gosh, Associate Dean (Academics-PG Programs)	Invitee
16	Suril V. Shah, Associate Dean (Academics-UG Programs)	Invitee
17	Puneet Sharma, Chairman (Student Hostel Wardens' Committee)	Invitee

The following members regretted their inability to attend the meeting:		
1	Pratap Bhanu Mehta, Vice Chancellor, Ashoka University	Member
2	Kirankumar R. Hiremath, Chairperson (Library Committee)	Invitee
3	Anugrah Shukla, Student representative (General Secretary)	Invitee
4	Rishabh Kanabar, Student representative (Secretary, Academics & Career Society)	Invitee

The following are the outcomes of the Senate Meeting:

Part A: Open Door Meeting

S.No.	Items
16.1	Welcome by the Chairman <p>The Chairman welcomed all Members and Invitees to the 16th Meeting of the Senate. In particular, he informed the Senate about his joining as the Director and interaction with faculty members. He mentioned about the huge potential of growth the Institute has and sought spirit of commitment to achieve the same. Also, the Chairman briefed the Senate about Phase 2 construction work, approval and signing of HEFA Loan and setting up of required infrastructure. He also articulated on payback structure in the form of industry collaboration, working on frontier research areas with clear-cut deliverables and development of research infrastructure through funded projects. The Chairman requested the Heads of all the Departments to submit SWOT analysis of respective departments by 15 Jan 2019, after due deliberations within their departments, to plan long-term strategy towards growth of the Institute. The need of image building of the institute and requirement to connect with the outside world was also emphasized. The Chairman then briefed the Members on the agenda items of the Meeting.</p>

16.1.1	Confirmation of Minutes of the 15th Meeting of the Senate held on 29th October 2018
	The Senate confirmed the Minutes of the 15 th Meeting of the Senate, as circulated.
16.1.2	Report on Action Taken on decisions of the 15th Meeting of the Senate held on 21st July 2018
	The Senate noted the Action Taken Report. The Senate also expressed its reservations over the possibility of starting B.Tech. (MT) from A.Y. 2019-20, Semester I. The same was discussed in detail under the discussion item "Rationalisation of B.Tech. programs".

16.2	Discussion Items
15.2.1	Rationalisation of B.Tech. programs
	<p>The Chairman informed that the objective this discussion item is to seek the views of the Senate for strengthening the existing programs, to deliberate on starting of new B.Tech. programs and for further expansion of academic programs keeping in mind the existing faculty strength and infrastructure resources of the Institute. The matter was deliberated in detail and the following decisions were taken:</p> <ol style="list-style-type: none"> 1) Starting of B.Tech. in (MT) is deferred for one year seeking more background study with industries to build up a case for starting of the program. Further, the Senate requested to present statistics on students' employability and status at the other IITs running a similar program. Senate also requested to revamp the program with more focus on Material Science and Engineering instead of conventional Metallurgical Engineering. 2) To augment the existing B.Tech. programs by increasing 10 seats each in Computer Science and Engineering, Electrical Engineering and Mechanical Engineering with a total rise in intake capacity by 30 seats. The senate also emphasized on developing additional teaching and research infrastructure, and deployment of additional manpower in these departments to tackle the proposed increase in the intake. 3) The Senate also requested Chairman (Admission Committee) to convey about the proposed increase in intake by total 30 seats (10 in CS, 10 in EE and 10 in ME) to JEE Committee.
16.2.2	Inclusion of Guidelines for Enhancement-of-the Assistantship in the Ph.D. Norms
	The Senate discussed the matter at length and recommended that a Ph.D student with B.E./B.Tech./M.Sc. or equivalent background would be eligible for enhancement in the scholarship after two year provided that the student has completed both comprehensive examination and State-of-the-art (SOTA) Seminar within two years from the date of joining. In any case, Enhanced fellowship will commence from the date of completion of both the evaluations or two years whichever is later.
16.2.3	Preparation of the proposal for the challenge for setting up Department of Planning and Architecture
	Architecture, Planning and Infrastructure Engineering together will be a new paradigm of modern urban and rural systems engineering. The state-of-the-art infrastructure being the inherent strength of the IIT Jodhpur campus, the Senate accorded approval for the proposal to participate for the challenge for setting up the Department of Planning and Architecture.

16.3	Ratification Items
16.3.1	Approvals accorded by Chairman, Senate
	The Senate ratified the approvals accorded by the Chairman, Senate.

16.4	Any other Item with the prior permission of the Chairman
16.4.1	Proposal for Creation of Inter-disciplinary Research Platforms
	The proposal was presented by the Associate Dean (Academic-PG Program). The proposal was appreciated by all the members. The Senate admitted the proposal and authorised the Chairman Senate to approve detailed guidelines.
16.4.2	Proposal for curriculum review
	The proposal was presented by the Associate Dean (Academic-UG Program). The Senate discussed the proposal in detail and accorded approval to initiate curriculum

review. The Senate admitted the proposal with the following recommendations:

- 1) The process of Curriculum review to be completed by June 2019 and implemented from A.Y. 2019-20, Semester I.
- 2) Revision in curricula of the existing programs will be carried out in *Two Phases*. *Phase I* will focus on revision in the structures of UG and PG programs, whereas in *Phase II*, detailed review of curricula offered by the respective Departments will be carried out in presence of peer review committee.
- 3) Curricula should focus at Building up Strong Foundation, Enabling Lifelong Learning, Inter-disciplinary Breadth, Design Thinking, Imbibing Creative and Critical Thinking, Social Responsibility and Professional Ethics, and Sustainability as distinct thematic Commitment.
- 4) With rapid change in the contours of engineering education due to emergence of Miniaturization, Parallelism, Smart Materials, Bio-mimetic Systems, AI and Cognitive Systems, the role of engineering institute is not only preparing students in their major areas of study but also on other skills to encourage multi-disciplinary teams to address challenges faced by the society. As boundaries among various engineering disciplines are becoming thinner, the curricula should have broadness and flexibility resulting into the right balance of knowledge and skill.
- 5) Curriculum should create opportunities for students to learn beyond classroom contact hours. Instead of assigning credits only to classroom contact hours, the credit structure should have the right balance of credit for learning within and beyond the classroom. Expected effort per credit for learning within the contact hours should be clearly defined. A total number of credits can further be reduced in line with various other institutes of eminence to favour experiential learning.
- 6) Curricula of B.Tech. programs should also meet the emerging demands of industry and develop the capacity to pursue State of the Art Technology Development and Research, whereas M.Tech./M.Sc. and Research Programs should build up capacity to perform high-end technology research, enable high-quality know-how/knowledge output and build up translational and System Engineering capabilities.
- 7) In line with the above, concept notes will be prepared on *Phase I* revision of structures of UG and PG programs by Associate Dean (Academics – UG Programs) and Associate Dean (Academics – PG Programs), respectively. The same will be presented for consideration of the Senate with due recommendations of the Academic Committee.

During the discussion on curricula review, the Senate also recommended to consider starting executive M.Tech. program to meet the requirements of higher knowledge and skills needed by the Industries.

The meeting ended with thanks to all the senate members.

Approved



Chairman, Senate, IIT Jodhpur

This page is left blank, intentionally.