Indian Institute of Technology Jodhpur

Senate

Minutes of 21st Meeting

7 July 2020 (Tuesday)
2:00 PM onwards
Board Room, IIT Jodhpur

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Minutes of 21st Meeting

7 July 2020 (Tuesday) at 2:00 PM
Board Room, IIT Jodhpur (WebEx)

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	Purnima Singh, Deptt. of Humanities & Social Sciences, IIT Delhi	Member
5	Souvik Bhattacharyya, Vice Chancellor,BITS Pilani	Member
6	Jitendra Balakrishnan, CTO-Products,Sterlite Technologies	Member
7	S. R. Vadera, Professor and Head (PH)	Member
8	M.P. Gupta, Professor and Head School of Management & Entrepreneurship	Member
9	Surajit Ghosh, Dean (R & D), Acting Head(BB)	Member
10	Prof. Mayank Vatsa, Deptt. of CS&E	Member
11	Prof. Richa Singh, Professor & DRC Chairman (CSE)	Member
12	Pradip K. Tewari, Visiting Professor (Chemical Engineering)	Member
13	B. P. Kashyap, Professor and Head(MT)	Member
14	Anil Tiwari, Head (EE)	Member
15	Ankita Sharma, Head (HS)	Member
16	Gaurav Bhatnagar, Head (MA)	Member
17	Gaurav Harit, Head (CSE)	Member
18	Ritu Gupta, Head (CY)	Member
19	Prodyut Ranjan Chakraborty, Head (ME)	Member
20	Deepak Arora, DRC, Chairman, Chemical Engineering	Member
21	Puneet Sharma, DRC, Chairman, Mathematics	Member
22	Sushmita Jha, DRC, Chairperson, BB	Member
23	Rakesh K Sharma, Associate Dean (R & D) & DRC, Chairman, CY	Member
24	Ashutosh Kumar Alok, DRC, Chairman, Physics	Member
25	Anand Krishnan Plappally, DRC, Chairman, ME and Head (CETST)	Member
26	Shree Prakash Tiwari, DRC, Chairman, EE	Member
27	Appala Naidu Gandi, DRC, Chairman, MT	Member
28	Kaushal A. Desai, Associate Dean (International Relations and Outreach)	Invitee
29	Samanwita Pal, Associate Dean (Students)	Invitee
30	Somnath Ghosh, Associate Dean (Academics-PG Programs)	Invitee
31	Suril V. Shah, Associate Dean (Academics-UG Programs)	Invitee
32	Mayurakshi Choudhury, Coordinator, Digital Humanities	Special Invitee
33	P.G. Basak, Advisor (Administration) & Officiating Registrar	Secretary
The following members could not attend the Meeting		

1	B. Ravindra, Associate Dean (Infrastructure)	Invitee
2	C. Venkatesan, Professor-in-charge (Faculty)	Member
3	Deepak Kumar M. Fulwani, Associate Dean (Planning and Resources Generation) & Head, Centre for Technology Foresight & Policy	Invitee
4	Hari Narayan, DRC, Chairman, HSS	Member
5	Shivan Nirne, General Secretary, Student Gymkhana	Member
6	Umair Anis, Joint Secretary, Academics & Career Society	Member
7	Gautam Jain, Secretary, Elected Representatives Society	Member

The following are the outcomes of the Senate Meeting:

Part A: Open Door Meeting

S.No.	*Items*

21.1	**Welcome by the Chairman** The Chairman welcomed all the members to the 21st meeting of the Senate. The Chairman informed that in the meeting of IIT Directors, opinion has been sought from the institute on commencement of 1st year M.Sc., 1st year M. Tech. and 1st year Ph.D. classes for Semester-I 2020-21. The opinion from the IIT Jodhpur side will be communicated for further discussion in the IIT Council. As per plan, Semester-I will start on 1st September 2020 in online synchronized mode. The MBA classes will start from 3rd August 2020. Due to the unforeseen delay in JEE schedule, the 1st year students of B. Tech. may join late. Their classes are expected to be started in November 2020. Moreover, the Semester-I is planned to run in online mode with appropriately reduced semester fees. It is desirable to frame a financial model for blended as well as physical mode of conduct of classes.
21.1.1	**Confirmation of Minutes of the 20th *Meeting* of the Senate held on 22 May 2020 (Adjourned) 1 June 2020**
	The Senate confirmed the Minutes of the 20th Meeting of the Senate, as circulated.
21.1.2	**Report on Action Taken on decisions of the 20th Meeting of the Senate held on 22 May 2020 (Adjourned) and on 1 June 2020**

Item	***Discussion Item***	***Action Taken***
20.2.1	Proposal for completion of ongoing semester in online mode	Implemented
20.2.2	Proposal for 2nd year onward curriculum for existing B.Tech. Programmes	In progress
20.2.3	Proposal for curriculum for new B.Tech. Programme in AI and Data Science	In progress
20.2.4	Proposed curriculum for new M.Sc., M.B.A, M.Tech., M.Tech.-Ph.D. Programme to be started from AY 2020-21	In progress
20.2.5	Courses for Comprehensive Examinations for registered M.Tech.-PhD. and Ph.D. students	In progress
20.2.6	Proposed Intake for UG programme from AY 2020 Semester I	In progress

21.2	**Discussion items**
21.2.1	**Proposal for 2nd year onward curriculum for existing B.Tech. Programmes**
a)	**Concept note for B.Tech. in Computer Science and Engineering** The proposal was presented by the Head of the department of Computer Science and Engineering and was discussed at length. The Head of the department, CSE apprised the Senate that the feedback received from industries, academia and other experts had been incorporated in the courses. The courses are application oriented having unique features in the domain and appropriately placed. The professional demand of the present situation will create opportunities for such application oriented areas. During the presentation it was appreciated that the concept note is comprehensive in nature which has been planned to carefully cater to the next generation computer engineers. The senate discussed the concept note and curriculum in detail and approved the proposal.
b)	**Concept note for B.Tech. in Electrical Engineering** The Head of the department of Electrical Engineering presented the concept note and the curriculum. The proposal was discussed at length. As per the suggestions of the 20th Senate, the department of Electrical Engineering incorporated the comments received from the experts holistically as per the philosophy of the concept note. Accordingly based on the expert comments, in the concept note, the department has retained the useful core courses and addressed the demand of the day with a range of new courses, and specializations. The Chairman opined that the core courses are the most valuable ingredients of the programme. It is expected that these areas will grow further in forthcoming years. The senate discussed the concept note and the curriculum in detail and approved the proposal.
21.2.2	**Proposal for curriculum for new B.Tech. Programme in Chemical Engineering**
	The Head of the department of Chemical Engineering presented the concept note and detailed curriculum. The same was discussed at length. The unique features were highlighted with a clear vision of the programme. It was emphasised that the new aspects of curriculum will address all the key demands and challenges of the next generation chemical engineering and processes to place the programme uniquely. The proposal was deliberated in detail and approved.
21.2.3	**Proposed curriculum for new M.Sc. in Digital Humanities Programme to be started from AY 2020-21**

The concept note was presented by chairperson IDRP, Digital Humanities. It was apprised that the comments received from academia and industry had been included in the latest concept note.

The Senate members welcomed the proposal for starting the digital humanities in IIT Jodhpur and praised the overall philosophy of the concept note. The Senate also debated on the employment aspect of the program in the context of rapidly changing socio-economic scenario and new normal situation, and appreciated that the designed curriculum has potential to address this aspect. The chairperson, IDRP appraised the Senate that the courses address the heterogeneous nature of the program. Accordingly the Senate has suggested to plan and incorporate a hand holding option for the candidates to successfully achieve the graduate outcomes.

The senate discussed the proposal and approved the same.

21.2.4 Proposed Process for Admission of PG Students to IIT Jodhpur for the Academic Year 2020-21

As per the proposal, the Senate has discussed all aspects of the proposed process for admission of PG students to IIT Jodhpur. The Senate agreed that this is an ad hoc solution for stop-gap arrangement. The sustainability as well as the financial implications of the proposal require comprehensive plan and deliberation. So it has been deferred to further discussion with appropriate revision.

The Senate approved the following:

a. The next semester will be conducted in the online mode from 1st September2020 for all UG programmes (except first year) and all PG programmes except the Medical Technologies and MBA programmes.

b. School of Management & Entrepreneurship will start the first semester in online mode on 3rd August 2020 for M.B.A. programme.

21.2.5 Proposal for deferring the minimum performance requirements for continuation in the programme and continuation of fellowship/assistantship for the ongoing semester for M.Tech., M.Tech.-Ph.D. and Ph.D. students.

The proposal was discussed in the 6th ECS in its meeting held on 2 July 2020 and ECS recommended the following proposal to the Senate for consideration. As per academic regulation clause 22.8, there are minimum performance requirements for continuation in the programme and continuation of fellowship/assistantship. The existing requirements are

Programme	Continuation in Programme	Continuation of Assistantship/ Fellowship	For graduation
Ph.D.	SGPA 6.5 (For first semester >=6)	SGPA 6.5 (For first semester >=6)	CGPA 7.5 at the completion of course work
M.Tech.-PhD	SGPA 6.5 (For first semester >=5)	SGPA 6.5 (For first semester >=5)	CGPA 7.0
M.Tech.	SGPA 5.0	SGPA 6.0 (For first semester >=5)	CGPA of 5

	In view of the prevailing condition of COVID-19, it would be difficult to strictly implement the philosophy of grade moderation for the relative grades of a particular course and having normal distribution. Some students may also opt for 'I' grade for not being able to complete the requirements of evaluation of particular course. Hence, it is proposed that the criteria for continuation in programme and continuation of fellowship/assistantship will be deferred for the ongoing semester. The Senate discussed and approved the proposal.
21.2.6	**Conduct of comprehensive examinations for Ph.D. and M.Tech.-Ph.D. students in online mode for the ongoing academic year.**
	The proposal was discussed in the 6th ECS in its meeting held on 2 July 2020 and ECS recommended the following proposal to the Senate for consideration. As per the academic regulation clause 26.5, a Ph.D. candidate has to clear the comprehensive examination as one of the Qualifier requirements. The papers for comprehensive examination of most of the departments are now approved by the Senate. The SRC can specify three papers for a particular student. The comprehensive written exams must be conducted for a minimum duration of 2 hours. All exams must be held within a span of one week. The time table committee will specify the week for conducting these comprehensive written exams. Under the prevailing condition of COVID-19, for the ongoing academic year, the examinations can be conducted as open book with fixed time duration in online mode using Google classroom The Senate discussed and approved the proposal. The Senate also suggested that the comprehensive examination can be conducted online as well as off-line. However, the rigor of the same should not be diluted.
21.2.7	**Change of degree format from two sided to one sided as per the decision of 10th Special BoG held on 16.12.2019**
	During discussion on the Senate recommendations in the 10th special meeting of the Board of Governors held on 16 December 2019, the Chairman, Board of Governors has shared the "Degree format of IIT Jodhpur required to be changed from two-sided to one side format as per practice of older IITs. It would further reduce the time consumed on taking signatures from concerned". The single sided degree format for IIT Jodhpur has been prepared and is presented. The Senate reviewed the degree format and suggested modifications in the text. It was also suggested to explore if barcode can be placed on the degree certificate. The Senate deferred this proposal to the next meeting for incorporating the suggested changes.
21.2.8	**Proposals of new/revised elective/core courses proposed to be offered by the Departments of Electrical Engineering, Humanities and Social Sciences, Physics**

The following new/revised elective/core courses are proposed for PG Programmes by Department of Electrical Engineering, Humanities and Social Sciences, Physics:

S.No.	Department	Name
1.	Electrical Engineering	Introduction to Electrical Engineering
2.	M.Tech. Non-Graded Course	Systems Engineering and Project Management
3.	Physics	Nanomaterials for Energy Devices
4.	Physics	Advanced Materials
5.	Humanities and Social Sciences	Human Nature
6.	Humanities and Social Sciences	Politics of Water Governance
7.	Humanities and Social Sciences	World Literature and Global Cinema

The Academic Committee has discussed the details of the above courses at its Meeting held on 28 February 2020, 27 April 2020, 26 June 2020 and 3 July 2020, and recommended the same for approval.

The Senate discussed and approved the courses of serial number 1 and 2. The Senate decided to keep the approval of the courses of serial number 3 to 7 pending. The overlap of the courses with the existing courses has to be checked. Moreover, the courses have to be placed in context of the requirement of the philosophy of curriculum if applicable. The Senate also suggested to review whether changes required in any other 1st year UG courses.

The meeting ended with thanks to all the senate members.

Basak
27/7/2020

Secretary, Senate

Approved

Chaudhury 29/7

Chairman, Senate IIT Jodhpur