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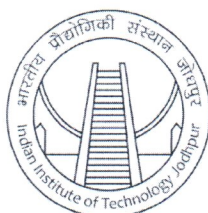
# Indian Institute of Technology Jodhpur

## Senate

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### Minutes of 13<sup>th</sup> Meeting

25 April 2018 (Wednesday)  
03:00 pm to 8:00 pm  
Board Room, IIT Jodhpur



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# Indian Institute of Technology Jodhpur

## Senate

### AGENDA of 13<sup>th</sup> Meeting

25<sup>th</sup> April 2018 (Wednesday)

3:00 pm to 8:00 pm

Board Room, IIT Jodhpur

The following Members were present:

1. Director, IIT Jodhpur	Chairman
2. H. P. Khincha, Chairman, Karnataka State Innovation Council, Bangalore	Member
3. Sanjeev Misra, Director, AIIMS, Jodhpur	Member
4. B. P. Kashyap, Professor In-charge (MT)	Member
5. Madhu Dikshit, Professor In-charge (BB)	Member
6. Anil Tiwari, Head (EE)	Member
7. Gaurav Bhatnagar, Head (ME)	Member
8. Gaurav Harit, Head (CSE)	Member
9. Kaushal A. Desai, Head (ME)	Member
10. Ritu Gupta, Head (CY)	Member
11. Subhashis Banerjee, Head (PH)	Member
12. Vidya Sarveswaran, Head (HS)	Invitee
13. Rakesh Sharma, Associate Dean (Students)	Invitee
14. Samanwita Pal, Associate Dean (Students)	Invitee
15. Suril V. Shah, Associate Dean (Academics)	Invitee
16. Puneet Shrama, Chairman (Student Hostel Wardens' Committee)	Invitee
17. Satyajit Sahu, Chairman (Library Committee)	Invitee
18. Ankita Sharma, Chairperson (Student Counseling Services Committee)	Invitee

The following Member could not attend the Meeting:

1. Pratap Bhanu Mehta, President, Center for Policy Research, New Delhi	Member
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The following are the outcomes of the Senate Meeting:

### Part A: Open Door Meeting

S.No.	Items
<b>13.1</b>	<b>Welcome by the Chairman</b>
	The Chairman welcomed all Members and Invitees to the 13 <sup>th</sup> Meeting of the Senate, and briefed the Members on the Agenda items of the Meeting. In particular, he informed the Senate about the new programs to be started from the Academics year 2018-19, Semester I, namely B.Tech. (Biotechnology), M.Tech. (CSE), M.Tech. (MT) and Ph.D. (MT) Programs. Also, he informed the Senate of the progress made on infrastructure development at the Permanent Campus.
<b>13.1.1</b>	<b>Confirmation of</b>
	<b>(a) Minutes of 12<sup>th</sup> Meeting of the Senate held on 25 July 2017; and</b>
	<b>(b) Minutes of 1<sup>st</sup> Special Meeting of the Senate held on 23 November 2017</b>
	The Senate confirmed the Minutes of the 12 <sup>th</sup> Meeting and 1 <sup>st</sup> Special Meeting of the Senate, as circulated.
<b>13.1.2</b>	<b>Report on Action Taken</b>
	The Senate noted the Action Taken Report.

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<b>13.2</b>	<b>Discussion Items</b>
<b>13.2.1</b>	<b>Proposal for starting M.Tech.(CSE) Program</b> <p>The Senate discussed the details of the proposal, and accorded in principle approval for starting the M.Tech. (CSE) Program with a maximum of 20 students. But, it made a number of suggestions, and sought that the proposal be revised and re-submitted to the Senate with the inputs of the Academic Committee. In particular, it sought that the following be considered in the revised proposal:</p> <ol style="list-style-type: none"> <li>(1) The possible streams of specialization in the M.Tech. (CSE) Program be identified in light of several courses with EE background proposed as electives;</li> <li>(2) The contents of the course <i>Foundations of Computer Science</i> be reconsidered as most of the content seems to be classical content taught in the most Bachelors Programs in CSE across the country, and the course renamed, because most of the content is largely based on elements of Mathematics,.</li> <li>(3) The contents of the two proposed courses, <i>Theory and Applications of Algorithms</i> and <i>Advanced Data Structures &amp; Algorithms</i>, be revisited to remove the overlap, and courses be renamed afresh;</li> <li>(4) The process of evaluation of the performance of a Student in a <i>Mini Project</i> (as a standalone course) and <i>Term Project</i> (within a course) be distinguished and specified; and</li> <li>(5) The course objectives and learning outcomes be stated clearly for all courses, especially with names of Textbooks in compulsory courses indicated and online course material listed (where possible).</li> </ol>
<b>13.2.2</b>	<b>Proposal for starting M.Tech.(MT) &amp; Ph.D.(MT) Programs</b> <p>The Senate discussed the details of the proposals, and accorded in principle approval for starting the M.Tech. (MT) Program with a maximum of 10 students, and the Ph.D.(MT) Program with a maximum of 10 students. But, it made a number of suggestions, and sought that the two proposals be revised and re-submitted with the inputs of the Academic Committee. In particular, it sought that the following be considered in the revised proposal:</p> <p><b>(A) M.Tech.(MT) Program</b></p> <ol style="list-style-type: none"> <li>(1) The proposal seeks students to register for 36 credits in the first year; this is in contrast to 30 credits that students are required to register for in other M.Tech. Programs hosted by the Institute. The Department may reconsider the workload of students and suggest the number of credits to be registered for per semester.</li> <li>(2) Some elective courses have overlap with some existing courses. The overlap be minimized in the new courses, and if that is not possible, the Department may consider including as electives the existing courses offered by the other Departments.</li> <li>(3) The Thesis Supervisor of the Students is known at the start of the Second Semester. Hence, the Students may be given freedom to choose electives in the area of M.Tech. Thesis with consent of the Thesis Supervisor.</li> <li>(4) The course objectives and learning outcomes be stated clearly for all courses, especially with names of Textbooks in compulsory courses indicated and online course material listed (where possible).</li> <li>(5) Inputs may be sought on compulsory and elective courses from all the Departments.</li> </ol> <p><b>(B) Ph.D.(MT) Program</b></p> <ol style="list-style-type: none"> <li>(1) Credit requirements for Ph.D. program should be in line with the Ph.D. regulations.</li> <li>(2) Student should be allowed to choose any elective in the area of research with the consent of their Thesis Supervisor.</li> <li>(3) The course objectives and learning outcomes be stated clearly for all courses, especially with names of Textbooks in compulsory courses indicated and online course material listed (where possible).</li> <li>(4) The Senate did not admit: (a) the proposal that Electives 1 and 6 shall be compulsorily from the M.Tech. courses offered by Department of MT, and (b) the credit requirements for persons with different qualifying degrees, because it is in variance with the current Regulations of Ph.D. Programs.</li> </ol>



13.2.3	<b>Proposal for starting B.Tech. (Biotechnology) Program</b> The Senate discussed the details of the proposal, made a number of suggestions, and sought that the same be revised and re-submitted with the inputs of the Academic Committee. In particular, it sought that the following be considered: (1) The statistics be presented on admissions, possible relevant industries, and employability/placements of students graduating from similar Programs in the other IITs. The proposed program be at par with the similar programs of the other IITs or universities abroad, and be distinctly superior to the B.Sc. (Biotechnology) Program. (2) The Program be prepared as an interface between four <i>conceptual domains</i> (namely Molecular & Cellular Biology, Systems and Computational Biology, Biomaterials & Biomechanics, and Biological Systems & Processes) and three <i>application streams</i> (namely Medical, Agricultural and Environmental Technologies). At least two compulsory courses be proposed in each conceptual domain and each application stream mentioned above. Also, sufficient number of electives be identified along each stream. (3) The program be prepared with long-term gains of students in perspective, even though currently the Department may not have Faculty Members with background in some sub-disciplines. (4) The naming of courses be re-examined, to avoid using the word <i>Biotechnology</i> in the course title. Also, broad titles, like <i>Animal Biotechnology</i> , <i>Cancer Biology</i> and <i>Neuroscience</i> , be avoided; the titles should reflect the contents. (5) The list of Laboratory Experiments be included, instead of the names of equipment to be used in each laboratory exercise. (6) The course objectives and learning outcomes may be defined clearly for all courses, especially with names of Textbooks in compulsory courses indicated and online course material listed, wherever possible. The contents should be stated concept-wise and not as lecture-wise topics.															
13.2.4	<b>Proposals of New Elective Courses to be offered</b> The Senate examined the proposals for the new electrical courses. It sought the Academic Committee to reconsider the titles and levels of the proposed courses, and to resubmit the proposal. The Senate authorized the Chairman to consider the proposals of the AC, and approve the same, if acceptable.															
13.2.5	<b>Proposal for an academic interface with RRSC-W (ISRO) to allow Scientists of ISRO in the Ph.D. Programs of the Institute</b> The Senate approved in principle reserving seats in Ph.D. Programs for employees sponsored by ISRO, with the following conditions: (1) Up to a maximum of total <i>four</i> seats per year for all disciplines together, supernumerary to the current number of seats for admission to various disciplines; (2) Eligibility qualification and process of admission shall be the same as that for the regular students of the Institute. Alternately, the Faculty Members of the Institute can be included in the Committees of ISRO, which interview and select students for the Ph.D. Program in IIT Jodhpur in specific or IITs in general; (3) The seats are open <i>only for</i> regular Permanent Employees of ISRO; (4) Joint supervision by ISRO scientist is permitted, only if she/he has a PhD Degree and suitable experience; and (5) The Institute shall sign an MoU with ISRO for this arrangement.															
13.2.6	<b>Proposal to consider crediting NPTEL Online Certification Course</b> The Senate admitted the proposal, and recommended the following: (1) The students registered in the Degree Programs at the Institute can earn through NPTEL courses a maximum of the said number of credits under each Program: <table><tr><td><i>Program</i></td><td><i>Maximum Number of Courses</i></td><td><i>Maximum Credits</i></td></tr><tr><td>B.Tech.</td><td>2</td><td>6</td></tr><tr><td>M.Tech.</td><td>2</td><td>6</td></tr><tr><td>M.Sc.</td><td>1</td><td>3</td></tr><tr><td>Ph.D.</td><td>0</td><td>-</td></tr></table>	<i>Program</i>	<i>Maximum Number of Courses</i>	<i>Maximum Credits</i>	B.Tech.	2	6	M.Tech.	2	6	M.Sc.	1	3	Ph.D.	0	-
<i>Program</i>	<i>Maximum Number of Courses</i>	<i>Maximum Credits</i>														
B.Tech.	2	6														
M.Tech.	2	6														
M.Sc.	1	3														
Ph.D.	0	-														



	<p>(2) The credits for NPTEL courses may be granted as elective courses, provided that these courses do not have overlap with the compulsory courses credited or to be credited at the Institute. The Heads of the Departments shall certify that the courses do not have overlap with the compulsory courses. The Chairman is authorized to decide the registration of specific students to the different NPTEL courses, based on the recommendation of the Academic Committee.</p> <p>(3) The grading given by NPTEL should be mapped for grade equivalence with the grading system of the Institute. The Chairman shall constitute a NPTEL Grade Equivalence Committee, which shall present its report for the consideration of the Senate.</p> <p>(4) The Academic Committee shall propose formally an Agenda Item for the next Senate Meeting seeking a change in the Regulations of the current Degree Programs, owing to the above.</p>
<b>13.2.7</b>	<p><b>Paying Remuneration to Foreign Examiners of the Ph.D. Thesis immediately on receiving the Evaluation Report</b></p> <p>The Senate admitted the proposal and recommended that the remuneration to the Examiners of the Ph.D. Thesis can be paid immediately on receiving the Evaluation Report, in the following two cases, namely when the Thesis is placed in Category 1 or 2, namely:</p> <p>(1) Category 1: Recommended by the Examiner for the award of Ph.D. Degree without any change; and</p> <p>(2) Category 2: Requiring revision, but requires submission not to the Examiner but only to the <i>Thesis Oral Examination Committee</i>.</p> <p>Also, the above payment shall be made to both Indian and Foreign Examiners. Further, the above method shall not be applicable, if the recommendation of the Examiner is in Category 3 or 4; in those cases, the current method of paying the examiners holds, <i>i.e.</i>, after the process is completed.</p>
<b>13.2.8</b>	<p><b>Shifting of ownership of offering the course <i>ME112 Engineering Materials</i> from the Department of ME to the Department of MT</b></p> <p>The Senate approved the renumbering the course <i>ME112 Engineering Materials</i> to <i>MT112 Engineering Materials</i>. Also, the Senate suggested that the change of name be reflected in the curriculum of all B.Tech. Programs.</p>

<b>13.3</b>	<b>Reporting, Adopting and Noting Items</b>
<b>13.3.1</b>	<p><b>Renaming the Department of Materials Engineering as Department of Metallurgical and Materials Engineering</b></p> <p>The Senate noted the matter.</p>
<b>13.3.2</b>	<p><b>Academic Calendar for Academic Year 2018-19 I Semester</b></p> <p>The Senate noted the matter.</p>
<b>13.3.3</b>	<p><b>Prime Minister Research Fellowship</b></p> <p>The Senate noted the matter.</p>

<b>13.4</b>	<b>Ratification Items</b>
<b>13.4.1</b>	<p><b>Other approvals accorded by the Chairman, Senate</b></p> <p>The Senate ratified the approvals accorded by the Chairman, Senate. From the next meeting of the Senate, the method of reporting may be organized under various categories, like admissions, withdrawal, leaves, grades and provisional certificates. Further, on the matter of admissions, the Senate sought that full statistics be provided of the admissions, including the number of applications received, number of persons interviewed, Number of offers made of admissions, and number of persons joined the program.</p>

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<b>13.5</b>	<b>Any other item with the prior permission of the Chairman</b>										
<b>13.5.1</b>	<p><b>Critical Items that arose during discussions of the Agenda Items of the 13<sup>th</sup> Meeting of the Senate</b></p> <p>During the discussions of the Agenda Items, the Senate observed a number of issues that need attention and formalism. It suggested the Academic Committee to undertake the due background work, prepare necessary documents and table the following as formal Agenda Items at the next meeting of the Senate for its consideration:</p> <ol style="list-style-type: none"> <li>(1) Propose a compulsory Seminar course, with a L-T-P [C] structure of 0-1-0 [1], in each of the M.Sc. and M.Tech. Programs;</li> <li>(2) Propose a course on <i>English Language Communications</i> to be credited by students at the Institute;</li> <li>(3) Determine carefully the level of courses: 100-400 for B.Tech. Programs, 500 for compulsory courses of Masters Program, 600-700 for M.Tech. and Ph.D. Programs. Also, restructure &amp; renumber 500 level courses as the compulsory M.Sc. and M.Tech. Programs, which the Ph.D. Students cannot credit (but can audit), as per the qualifications at admission:</li> </ol> <table border="1"> <thead> <tr> <th><i>Qualifying Degree at entry to Ph.D. Program</i></th><th><i>Maximum Number of Courses</i></th></tr> </thead> <tbody> <tr> <td>B.Tech., B.E., and B.Sc.(Engineering)</td><td>10 (at least 4 of 600 or 700 level)</td></tr> <tr> <td>M.Tech., M.E., and M.Sc.(Engineering)</td><td>4 (all of 600 or 700 level)</td></tr> <tr> <td>M.Sc.</td><td>10 (at least 4 of 600 or 700 level)</td></tr> <tr> <td>M.Sc., M.A., and M.Phil.</td><td>4 (all of 600 or 700 level)</td></tr> </tbody> </table> <p>The current Ph.D. Students, who credited only 500 level courses, and who do not meet the above requirement, should request an exemption from the above requirement; the Chairman, Senate, was authorized to consider the requests and accord approval on a case to case basis. Also, the Faculty Member shall propose the level of the course, and the Academic committee will review and make consistent before tabling it at the Senate;</p> <ol style="list-style-type: none"> <li>(4) Modify the level of all elective courses, especially those at the Masters and Doctoral Levels;</li> <li>(5) Drop all Elective courses that did not run so far;</li> <li>(6) Review and recast the contents of all courses from the point of view of course objectives, learning outcomes, contents (concept lists), laboratory experiments, textbook and online resources, and present the same in the template provided by the Office of Academics; and</li> <li>(7) Revisit the method of calculation of <i>Teaching Load</i> of Faculty Members.</li> <li>(8) Rename courses PH759 and CY759 to reflect the content of the course.</li> <li>(9) Present full details of the students who did not complete the program on time, including the backlogs that they have in coursework.</li> </ol> <p>The Senate decided that the ongoing <i>Academic Pre-registration</i> to courses of 2018-19 I Semester be discontinued, in view of the shortcomings in the Online Academic Registration software, wherein it allows Students to register:</p> <ol style="list-style-type: none"> <li>(a) Without the consent of the Faculty Advisor or Thesis Supervisor, and</li> <li>(b) Simultaneously for courses listed in the same timetable slot.</li> </ol> <p>These errors in the online registration software be removed and the registration re-opened again within 10 days time.</p> <p>Further, the Senate approved that a course of one Department can be taught by a Faculty Member of another Department, after meeting the Teaching Load assigned to her/him by her/his parent Department.</p>	<i>Qualifying Degree at entry to Ph.D. Program</i>	<i>Maximum Number of Courses</i>	B.Tech., B.E., and B.Sc.(Engineering)	10 (at least 4 of 600 or 700 level)	M.Tech., M.E., and M.Sc.(Engineering)	4 (all of 600 or 700 level)	M.Sc.	10 (at least 4 of 600 or 700 level)	M.Sc., M.A., and M.Phil.	4 (all of 600 or 700 level)
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Approved

  
Chairman, Senate, IIT Jodhpur

3 May 2018