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**भारतीय प्रौद्योगिकी संस्थान जोधपुर**  
**Indian Institute of Technology Jodhpur**

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॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

**अभिषद**  
**SENATE**

**36वीं बैठक की कार्यवृत्त**

**Minutes of**  
**36<sup>th</sup> Meeting**

**16<sup>th</sup> and 18<sup>th</sup> November, 2023**  
Senate Room, IIT Jodhpur

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# Indian Institute of Technology Jodhpur



## Minutes of 36<sup>th</sup> Meeting

16<sup>th</sup> and 18<sup>th</sup> November 2023 at 3:00 pm  
Senate Room, IIT Jodhpur

The following members were present:		
The Director, Ex-officio, who shall be the Chairman of the Senate	1.	Prof. Santanu Chaudhury Director, IIT Jodhpur
The Deputy Director, Ex-officio	2.	Prof. S.R. Vadera Deputy Director, IIT Jodhpur
Three persons, not being employees of the Institute, to be nominated by the Chairman in consultation with the Director, from among educationists of repute, one each from the fields of science, engineering and humanities; and	3.	Dr. Sanjeev Misra Vice Chancellor, Atal Bihari Vajpayee Medical University, Lucknow (U.P.) and Former Director, AIIMS Jodhpur
	4.	Prof. H.P. Khincha Chairman, Karnataka State Innovation Council, Bangalore
	5.	Prof. Purnima Singh Department of Humanities & Social Sciences IIT Delhi
The professors appointed or recognized as such by the Institute for the purpose of imparting instruction in the Institute.	6.	Prof. Surajit Ghosh
	7.	Prof. Neeraj Jain, Deptt. Of BB
	8.	Prof. Mitali Mukerji, Deptt. Of BB
	9.	Prof. Ajay Agarwal, Deptt. of EE
	10.	Prof. Somitra K. Sanadhya, CS&E
	11.	Prof. Sangeeta Sahney, SME
	12.	Prof. Shree Prakash Tiwari, EE
	13.	Prof. Ananya Debnath, Chemistry
	14.	Prof. Samanwita Pal, Chemistry
	15.	Prof. Atul Kumar, Chemistry
	16.	Prof. Anand Krishnan Plappally, ME
	17.	Prof. Prodyut Ranjan Chakraborty, ME
	18.	Prof. Rahul Chibber, ME
	19.	Prof. Suril Shah, ME
	20.	Prof. Ram Prakash, Physics
	21.	Prof. Ambesh Dixit, Physics
	22.	Prof. Ashutosh Kumar Alok, Physics
	23.	Prof. Gaurav Harit, CS&E
	24.	Prof. Amit Mishra, BSBE
	25.	Prof. Sushmita Jha, BSBE
	26.	Prof. Meenu Chhabra, BSBE
	27.	Prof. Ankita Sharma, SoLA

Deans	28.	Prof. Samanwita Pal, Dean (R&D)
	29.	Prof. Surajit Ghosh, Dean (International Relations, Alumni Relations and Corporate Relations)
	30.	Prof. Somitra K. Sanadhya Dean (Digital Transformation)
	31.	Prof. Atul Kumar Dean (Academics)
	32.	Prof. Ankita Sharma Dean (Student Affairs)
	33.	Prof. Ram Prakash Dean (Infrastructure)
Heads of the Departments or Schools as may be established by the Institute.	34.	Department of Bioscience and Bioengineering Prof. Mitali Mukerji
	35.	Department of Chemical Engineering Prof. P.K. Tewari
	36.	Department of Chemistry Dr. Ramesh K. Metre
	37.	Department of Computer Science & Engineering Prof. Gaurav Harit
	38.	Department of Electrical Engineering Prof. Ajay Agarwal
	39.	Department of Mathematics Dr. V.V. M.S. Chandramouli
	40.	Department of Mechanical Engineering Prof. Suril V. Shah
	41.	Department of Physics Prof. Ashutosh Kumar Alok
	42.	Department of Civil & Infrastructure Engineering Prof. Subhasish Dey
	43.	School of Management & Entrepreneurship (SME) Prof. Sangeeta Sahney
	44.	School of Artificial Intelligence & Data Science (AIDE) Prof. Neeraj Jain
	45.	School of Liberal Arts Dr. Farhat Naz
	46.	Center for Emerging Technologies for Sustainable Development Dr. Kirti Sankhala (on behalf on Head CETSD)
	47.	Centre for Technology Foresight & Policy Dr. Krishna K Balaraman
	48.	Inter-Disciplinary Research Platform (IDRP) Dr. S.C. Bose
	49.	Center for Research & Development of Scientific Instruments Prof. Amitava Mitra

	50.	Center for Education and Technology for Education Prof. Bijnan Bandyopadhyay
	51.	Rishabh Center for Research and Innovation in Clean Energy Prof. Prodyut R. Chakraborty
One or more members of academics from each of the Departments and Schools, nominated by the Chairman of the Senate, for a period of one year, subject to a maximum of two persons from any Department or School.	52.	Department of Chemical Engineering Dr. Angan Sengupta, Associate Professor
	53.	Department of Civil & Infrastructure Engg. Dr. Debanjan Guha Roy, AD (PRG)
	54.	Department of Mathematics Dr. Abhishek Sarkar, AD (Student Affairs)
	55.	Department of Metallurgical & Materials Engineering Dr. Abir Bhattacharyya, Associate Professor
	56.	Chairperson, IRC_IDRP Dr. S.C. Bose, Head (IDRP)
	57.	School of Management & Entrepreneurship Dr. Venkatesha Murthy R, Associate Professor
	58.	School of Artificial Intelligence & Data Science Dr. Dipanjan Roy, Associate Professor
	59.	School of Liberal Arts Prof. Ankita Sharma, Dean (Student Affairs)
Two distinguished persons from the industry, Research & Development, Financial Institutions and any other comparable organizations, nominated by the Chairman of the Senate, for a period of two years.	60.	Dr. Souvik Bhattacharyya, Former Vice Chancellor BITS, Pilani
	61.	Dr. Manish Gupta Director Google Research India
Special Invitees	62.	Dr. Somnath Ghosh Faculty-in-charge (Curriculum Implementation)
	63.	Dr. Manish Narwaria Associate Dean (Academics)
	64.	Dr. Sunil Lohar, School of Liberal Arts
	65.	Dr. Nimish Vohra, School of Liberal Arts
	66.	Kirankumar Hiremath, IDRP QIC
	67.	V. Narayanan, IDRP QIC
Upto five student representatives nominated by the Chairman of the Senate, as special invitees, for a period of one year whose participation shall be for the non-evaluation items of the Senate.	68.	General Secretary, ACAC
	69.	General Secretary, Student Senate
	70.	Vice President, Board of Academic Interaction
Secretary to the Senate	71.	Dr. Somnath Ghosh, Offg. Registrar

The following members and special invitees could not attend the Meeting	
1	Prof. Gaurav Bhatnagar, Mathematics
2	Prof. Mayank Vatsa, Deptt. of CS&E
3	Prof. Richa Singh, Deptt. of CS&E
4	Prof. Bharat Singh Rajpurohit, EE
5	Prof. Mahesh Kumar, EE
6	Prof. Manikandan Paranjothy, Chemistry
7	Prof. Rakesh Kumar Sharma, Chemistry
8	Prof. C. Venketesan, Professor-in-charge (Faculty)
9	Prof. Subhashish Banerjee, Physics
10	Prof. Deepakkumar M. Fulwani, EE, AD (Faculty Affairs)
11	Prof. B. Ravindra, ME
12	Prof. Anil Kumar Tiwari, EE
13	Prof. Kaushal Desai Dean (PRG, IITJ Connect & Executive Education)
14	Dr. K.R. Ravi, Head Department of Metallurgical & Materials Engineering
15	Dr. Indranil Banerjee, AD (Hostel Affairs)
16	Dr. Suchetana Chakraborty, AD (R&D)
17	Dr. Ankur Gupta, AD (IRO)
18	Dr. Satyajit Sahu, Department of Physics
19	Dr. Dibyendu Kumar Sasmal, Department of Chemistry
20	Sh. P.G. Basak, Advisor (Administration)

**The following are the recommendations of the Senate:**

<b>S.No.</b>	<b>Items</b>
<b>36.1</b>	<b>Welcome by the Chairman, Senate</b>
	<p>The Chairman, Senate welcomed all the members to the 36<sup>th</sup> Meeting of the Senate. On behalf of the Senate, he also warmly welcomed and introduced Dr. Manish Gupta, Director, Google Research India to Senate members as Dr. Manish Gupta was attending the Senate Meeting as Member for the first time. He also informed that the 9<sup>th</sup> Convocation of the Institute is scheduled on 21 November 2023 from 03:00 PM onwards at Jnan Chandra Ghosh Lecture Hall Complex. The Chairman further apprised the Senate that the Convocation will be held in two parts; In the first part, degrees will be conferred to UG and M.Sc. students and in the second part, Degrees will be conferred to the rest of the graduands. He invited all Senate members to attend the convocation ceremony in person.</p> <p>The Chairman also informed the Senate that Dr. K. Radhakrishnan, Former Chairman, Space Commission &amp; ISRO and Former Secretary, Department of Space Government of India has kindly consented to be the Chief Guest for the Convocation Ceremony and will deliver the Convocation address. Prof. Indranil Manna, Vice Chancellor, BIT Mesra and Former Director, IIT Kanpur and Dr. Vijay Chandru, INAE Distinguished Technologist, IISc and Co-Founder, Strand Life Sciences have kindly agreed to grace the occasion as our Esteemed Guests. Shri A.S. Kiran Kumar, Chairman, Board of Governors, IIT Jodhpur has given his kind consent to preside over the Convocation Ceremony.</p> <p>The Chairman also informed that this year's Convocation is going to be very special wherein for the first time in 15 years of its existence the Institute will be honoring some of the internationally renowned personalities with Honorary Doctorate (Honoris Causa) Degrees.</p> <p>The institute has also set up an outreach center at Gurugram in collaboration with INAE.</p>
<b>36.1.1</b>	<b>Confirmation of Minutes of the 35<sup>th</sup> Meeting of the Senate held on 12 October, 2023</b>
	The Senate confirmed the Minutes of the 35 <sup>th</sup> Meeting of the Senate, as circulated.

## 36.1.2

**Report on Action Taken on decisions of the 35<sup>th</sup> Meeting of the Senate held on 12<sup>th</sup> October, 2023**

The Senate noted the Action Taken Report (ATR) on decisions of the 35<sup>th</sup> Meeting of the Senate held on 12 October 2023 and noted the following :

Item	Discussion Item		Senate Recommendation	
35.2.2	Proposals for New Courses from various Departments/ Schools/ Centres			
	Particulars	Department/ IDRP/School/C enter	New Courses	Action taken
	Proposal of new courses	Center for Emerging Technologies for Sustainable development	1. Corporate Social Responsibility and Sustainable Development Goals 2. Appropriate Technologies for Rural Sanitation 3. Water Basics 4. Public Health and Climate Change	Under process
	Proposal of new courses	Center for Technology Foresight and Policy	1. Foresight with Simulation Modeling and Analysis 2. Smart Contracts for Logistics 3. Socio Technical Systems Complexity and Governance	Implemented  The revision of courses on Smart Contracts for Logistics and Socio Technical Systems are under process
	Proposal of new courses	Computer Science and Engineering	1. Advanced Algorithms 2. Kernelization 3. Advanced Complexity Theory 4. Computational Geometry 5. Theoretical Machine Learning 6. Computational Creativity 7. Computer Systems Verification 8. Geometric and String Data Structures	Implemented  (The revision of course Computer Systems Verification is under process)
	Updates in course contents	Computer Science and Engineering	1. Fundamentals of Machine Learning (with fractals) 2. Theory of Computation	Implemented except for Fundamentals of Machine Learning revision of



				3. Maths for Computing 4. Complexity Theory 5. Computer Organization and Architecture 6. (The existing name of this course is Computer Architecture (3-0-0). However, with the addition of a lab component, the name of the course has been revised to Computer Organization and Architecture and the credits have been increased from 3 to 4). This increase in 1 credit for this course will also increase the total requirement of Programme Compulsory courses for the B.Tech. (CSE) Programme by 1 credit.	which is under process
<b>36.2</b>	<b>Discussion Items</b>				
<b>36.2.1</b>	<b>Proposal for Guidelines for the Implementation of Student Innovation and Entrepreneurship Policy</b>				
	<p>Dr. Nimish Vohra, Associate Professor, SoLA apprised the Senate that the Student Innovation and Entrepreneurship Policy was approved by the Senate in its 34<sup>th</sup> Meeting held on 24<sup>th</sup> June 2023 which encourages, accounts and records efforts of students towards innovation and entrepreneurship activities. Later, Dr. Vohra presented the guidelines for implementation of SIEP to the Senate.</p> <p>The Senate after detailed deliberation approved the following:</p> <ol style="list-style-type: none"> <li>1. The Institute will seek proposals for Innovation and Entrepreneurship (IE) credits in January. Students can earn IE credits through Summer Projects, BTP, PG projects, and entrepreneurial activities. Design credits can also be considered as IE credits, in addition to design credits, if they add value. The conversion is flexible, with 1 design credit equal to 1 or more IE credits based on project efforts and value creation.</li> <li>2. IE Credits will be awarded by an IE Credit Apex Committee, as defined in the approved SIEP.</li> <li>3. The ERP should create a provision for registering IE credits and students will be awarded a certificate at the time of graduation, based on the credits earned.</li> </ol> <p>As per the approved policy, the Chairman, Senate suggested that UG, PG &amp; Ph.D. students would also be able to participate in the Student entrepreneurship programmes and create Start-up.</p>				

	<p>The Senate appreciated the proposal and noted that it will initiate a culture in the institute to create value in terms of Innovation and Entrepreneurship (IE). This is important for both students and faculty members for the research leading to creating value.</p> <p>The Senate approved the proposal as placed at Annexure-I.</p> <p style="text-align: right;"><b>Action: Dr. Nimish Vohra</b></p>																																																																																																							
<b>36.2.2</b>	<b>Course curriculum for Master Programme in XR Design</b>																																																																																																							
	<p>The Senate in its 32<sup>nd</sup> meeting held on 20th December 2022 approved the Concept Note for M.Des. in XR Design under the School of Liberal Arts (SoLA) to be offered from Semester-I, AY 2023-24. The proposed Course curriculum for Semester-I was further discussed and subsequently approved by the Senate in its meeting on 24<sup>th</sup> June 2023.</p> <p>Dr. Nimish Vohra presented the detailed course curriculum for the M.Des. in XR design to the Senate.</p> <p>The list of courses presented are as under:</p> <table border="1"> <thead> <tr> <th>SN</th><th>Course Title</th><th>Structure L-T-P/St [C]</th><th>Offered For</th><th>Offered as</th></tr> </thead> <tbody> <tr> <td>1</td><td>Introduction to XR Prototyping and Development</td><td>1-0-2 [2]</td><td>MDes XR Design</td><td>Core</td></tr> <tr> <td>2</td><td>Interaction design and XR</td><td>2-0-2 [3]</td><td>MDes XR Design</td><td>Core</td></tr> <tr> <td>3</td><td>Appreciation of XR: Applications and Opportunities</td><td>2-0-0 [2]</td><td>MDes XR Design</td><td>Core</td></tr> <tr> <td>4</td><td>Appreciation of Gaming: Applications and Infrastructure</td><td>1-0-2 [2]</td><td>MDes XR Design</td><td>Core</td></tr> <tr> <td>5</td><td>Storytelling and Interactivity</td><td>1-0-2 [2]</td><td>MDes XR Design</td><td>Core</td></tr> <tr> <td>6</td><td>Environment and Space Design</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>7</td><td>Character Design</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>8</td><td>Animation Principles and Techniques</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>9</td><td>Light, Sound, Camera</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>10</td><td>Photo and Imaging</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>11</td><td>Advanced Illustration</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>12</td><td>Visual Effects Essentials</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>13</td><td>New Media Art</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>14</td><td>Usability Engineering</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>15</td><td>Introduction to Haptics</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>16</td><td>Principles of Game Design</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>17</td><td>Special Topics in XR</td><td>1-0-4 [3]</td><td>MDes XR Design</td><td>Elective</td></tr> <tr> <td>18</td><td>Product Design 1</td><td>1-0-2 [2]</td><td>B.Tech</td><td>Elective</td></tr> <tr> <td>19</td><td>Product Design 2</td><td>1-0-2 [2]</td><td>B.Tech</td><td>Core</td></tr> </tbody> </table>				SN	Course Title	Structure L-T-P/St [C]	Offered For	Offered as	1	Introduction to XR Prototyping and Development	1-0-2 [2]	MDes XR Design	Core	2	Interaction design and XR	2-0-2 [3]	MDes XR Design	Core	3	Appreciation of XR: Applications and Opportunities	2-0-0 [2]	MDes XR Design	Core	4	Appreciation of Gaming: Applications and Infrastructure	1-0-2 [2]	MDes XR Design	Core	5	Storytelling and Interactivity	1-0-2 [2]	MDes XR Design	Core	6	Environment and Space Design	1-0-4 [3]	MDes XR Design	Elective	7	Character Design	1-0-4 [3]	MDes XR Design	Elective	8	Animation Principles and Techniques	1-0-4 [3]	MDes XR Design	Elective	9	Light, Sound, Camera	1-0-4 [3]	MDes XR Design	Elective	10	Photo and Imaging	1-0-4 [3]	MDes XR Design	Elective	11	Advanced Illustration	1-0-4 [3]	MDes XR Design	Elective	12	Visual Effects Essentials	1-0-4 [3]	MDes XR Design	Elective	13	New Media Art	1-0-4 [3]	MDes XR Design	Elective	14	Usability Engineering	1-0-4 [3]	MDes XR Design	Elective	15	Introduction to Haptics	1-0-4 [3]	MDes XR Design	Elective	16	Principles of Game Design	1-0-4 [3]	MDes XR Design	Elective	17	Special Topics in XR	1-0-4 [3]	MDes XR Design	Elective	18	Product Design 1	1-0-2 [2]	B.Tech	Elective	19	Product Design 2	1-0-2 [2]	B.Tech	Core
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	<p>The Senate after detailed discussion approved the Course curriculum for M.Des. Programme in XR Design placed as <b>Annexure-II</b> with the following suggestion:</p> <p>(a) to add more courses on Special Topics with different credit structures in XR with unique numbers.</p> <p>The Chairman Senate is authorized to approved courses on Special topics.</p> <p style="text-align: right;"><b>Action: Dr. Nimish Vohra</b></p>
<b>36.2.3</b>	<b>Proposal for creation of School of Design</b>
	<p>Dr. Nimish Vohra, Associate Professor, SoLA presented the proposal for the creation of the School of Design as an Academic Unit at IIT Jodhpur before the Senate. Dr. Vohra informed the Senate that at present 5 regular faculty members and 11 adjunct faculty members are associated with the M.Des. in XR programme. The School will also contribute towards offering Ph.D. and PG Programmes and will contribute towards offering design courses to UG students. The School of Design would further contribute toward achieving the aim of cultivating a culture of product design in the Institute in addition to supporting innovation and incubation activities of the Institute. <b>Annexure-III.</b></p> <p>After detailed deliberations, the Senate approved the proposal for the creation of the School of Design. It further advised to migrate all courses related to M.Des. in XR and IE credits to the School of Design.</p> <p>The Chairman further advised to prepare sustainable plans to generate funds, and campaign for the fund generation for the School. He also suggested that the School of Design may approach various industry persons/ philanthropists towards considering naming of the Laboratories and part naming/naming of the School of Design.</p> <p>The Senate approved the proposal for the creation of the School of Design and recommended it to the Board of Governors for approval as per the provisions of the Act &amp; Statutes of the IIT Jodhpur.</p> <p style="text-align: right;"><b>Action: Dr. Nimish Vohra &amp; Registrar</b></p>
<b>36.2.4</b>	<b>Proposal for Minor in Performing and Creative Arts</b>
	<p>Dr. Sunil Lohar and Dr.Nimish Vohra, School of Liberal Arts presented the Proposal for Minor in Performing and Creative Arts before the Senate. The Senate after detailed discussion approved the proposal placed as <b>Annexure-IV</b> with the following minor suggestions:</p> <ol style="list-style-type: none"> <li>a) For the course category centered on cultivating an appreciation for the arts, around seventy percent emphasis should be on history, critical thinking, discussion, and class projects. These courses must be available as core and elective options starting the fifth semester, delve into the appreciation of artistic disciplines.</li> <li>b) For the second category prioritizing practical application, emphasis should be on hands-on learning experiences. These courses emphasize learning by doing, providing students with a practical understanding of their chosen field. The diverse offerings cater to both theoretical and applied aspects, offering a comprehensive learning experience.</li> </ol>

	<p>c) An elective course of three credits- starting from third semester- spreading over next six semesters to be offered to students; this can be considered as part of the elective credit requirements for the students opted for Minor. The credits for this course will be over and above the maximum registration limit allowed to UG students with a slot preferably available in the evening.</p> <p style="text-align: right;"><b>Action: Dean (Academics) and Dr. Nimish Vohra</b></p>								
36.2.5	<p><b>Course curriculum for M. Tech. Programme in Quantum Technologies</b></p> <p>Dr. KiranKumar Hiremath, Coordinator, IDRP Quantum Information and Computation apprised the Senate that as approved by the Senate in its 34<sup>th</sup> Meeting held on 24<sup>th</sup> June 2023, the Institute is offering M.Tech. Programme in Quantum Technologies from Semester-I, AY 2023-24.</p> <p>He further presented the detailed curriculum for the 2<sup>nd</sup> , 3<sup>rd</sup> and 4<sup>th</sup> Semester of the proposed programme to the Senate. After detailed discussion, the Senate in-principle approved the Course curriculum for M. Tech. Programme in Quantum Technologies. <b>Annexure-V.</b> The Senate noted that all courses are reviewed by experts and further suggested obtaining comprehensive feedback on courses under different verticals and their structure.</p> <p>Further, the Senate authorized the Chairman, Senate to approve the curriculum for M. Tech. Programme in Quantum Technologies after incorporating the amendments, if any, after the expert feedback and workshop.</p> <p style="text-align: right;"><b>Action: Dean (Academics) and Coordinator, QIC</b></p>								
36.2.6	<p><b>Proposals for New Courses and specialization from various Departments/Schools/Centres</b></p> <p>After detailed deliberations, the Senate recommended the following:</p> <table><tr><th>Particulars</th><th>Department/ IDRP/School/ Center</th><th>Annexure AP 36-8</th><th>Senate Recommendation</th></tr><tr><td>Proposal of new courses</td><td>Center for Technology Foresight and Policy</td><td>1.Smart Contracts for Logistics retitled as Technologies and Policies for Smart Contract Applications Offered as elective at 700 level; L-T-P [C]- 2-0-0 [2] 2. Socio Technical Systems: Complexity and Governance as elective at 700 level L-T-P [C]- 2-0-0 [2]</td><td>Dr. Krishna K Balaraman Head, Center for Technology Foresight and Policy presented the 2 courses before the Senate:  1. The Senate after detailed discussion approved the course “Technologies and Policies for Smart Contract Applications” with minor modification to use number of lectures instead of number of hours.  2. The Senate recommended minor changes to add green energy transition in the course</td></tr></table>	Particulars	Department/ IDRP/School/ Center	Annexure AP 36-8	Senate Recommendation	Proposal of new courses	Center for Technology Foresight and Policy	1.Smart Contracts for Logistics retitled as Technologies and Policies for Smart Contract Applications Offered as elective at 700 level; L-T-P [C]- 2-0-0 [2] 2. Socio Technical Systems: Complexity and Governance as elective at 700 level L-T-P [C]- 2-0-0 [2]	Dr. Krishna K Balaraman Head, Center for Technology Foresight and Policy presented the 2 courses before the Senate:  1. The Senate after detailed discussion approved the course “Technologies and Policies for Smart Contract Applications” with minor modification to use number of lectures instead of number of hours.  2. The Senate recommended minor changes to add green energy transition in the course
Particulars	Department/ IDRP/School/ Center	Annexure AP 36-8	Senate Recommendation						
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			<p>content “Socio Technical Systems: Complexity and Governance” and authorized the Chairman, Senate to approve the modified course.</p> <p><b>Action : Head, CTFP</b></p>
Proposal of new courses and revision in BS specialization Green Energy	Chemistry	<p>1.Revised structure for Green Energy BS specialization</p> <p>2.Artificial Photosynthesis Offered as elective of 700 Structure L-T-P [C] 3-0-0[3] for BS in Chemistry</p> <p>3.Electrode Materials Offered as elective of 600 Structure L-T-P [C] 3-0-0 [3] for BS in Chemistry</p>	<p>Dr. Ramesh K. Metre, Head Department of Chemistry presented the revised structure for Green Energy BS specialization including the 2 new courses Electrode Materials and Artificial Photosynthesis before the Senate.</p> <ol style="list-style-type: none"> <li>1. The Senate after detailed discussion recommended to rename the Green Energy BS specialization to Clean Energy BS specialization and inclusion of definition of clean energy in the concept note of specialization and the Senate authorized the Chairman, Senate to approve the modified structure of specialization.</li> <li>2. The Senate after detailed discussion recommended removal of the 2nd module on Solar harvesting systems from the course Artificial Photosynthesis; and authorized the Chairman, Senate to approve the modified course.</li> <li>3. The Senate after detailed discussion approved the course Electrode Materials with modules being brief in description.</li> </ol> <p><b>Action: Head, Chemistry</b></p>

Proposal of New BS specialization Plasma Technologies leading to BS (Physics)+ M. Tech. Dual Degree	Physics	Plasma Technologies Specialization	<p>Prof. Ashutosh Kumar Alok, Head Department of Physics and Prof. Ram Prakash presented the New BS specialization Plasma Technologies leading to BS (Physics) + M. Tech. Dual Degree before the Senate.</p> <p>The Senate after detailed deliberation approved the proposed BS specialization Plasma Technologies. It further advised to keep the level of approved course on Thin Films and Deposition to 700 Level, so that Ph.D. students can enroll for the course.</p> <p><b>Action: Head, Physics</b></p>
Proposal of new course	School of Liberal art	<p>Designing Your Life (DYL)</p> <p>The Students can take this course in 5 sessions in one semester as a Non Graded course against the Design Credit. The Designing Your Life (DYL) course is an approved Stanford University course and has been running for more than 10 years.</p>	<p>Prof. Nimish Vohra, School of Liberal Arts presented the course "Designing Your Life" before the Senate. The Senate after detailed deliberation recommended and approved the course. Also, the Senate placed a cap on registration of 20 to 25 students in the course.</p> <p><b>Action: Prof. Nimish Vohra,</b></p>
Proposal of new courses	School of Liberal art	<p>1. Horror Fiction Offered as an elective at 200 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p> <p>2. Perspectives on Indian Education Offered as an elective at 400 level for B.Tech. students L-T-P [C] 3-0-0 [3]</p> <p>3. Inclusive Practices Offered as an elective at 300 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p>	<p>Dr. Farhat Naz, Head School of Liberal Arts presented the 8 new courses before the Senate.</p> <p>The Senate after detailed discussion recommended following:</p> <p>1. Minor changes in the course Horror Fiction in terms of defining the relation between the course content and textbook, and the Senate authorized the Chairman, Senate to approve the course after modification;</p>

			<p>4. Sociology of Language Offered as an elective at 300 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p> <p>5. Indian Childhoods in Popular culture Offered as an elective at 200 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p> <p>6. Introduction to Comics Studies Offered as an elective at 200 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p> <p>7. Languages of the world Offered as an elective at 200 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p> <p>8. Indian English Writing Offered as an elective at 200 level for B.Tech. students L-T-P [C]- 3-0-0 [3]</p>	<p>2. Approved the course Perspectives on Indian Education;</p> <p>3. Approved the course Inclusive Practices with minor suggestions of inclusion of Institute policy Inclusivity Cell as an example;</p> <p>4. Recommended the minor changes in the course Sociology of Language in terms of removing the linguistic barrier from including technology components, e.g., Bhasini Project for language transition. It further suggested removal of the word NRI from the course content using the mixed languages word. The Senate authorized the Chairman, Senate to approve the course after modification;</p> <p>5. Approved the course Indian Childhoods in Popular Culture with suggestion of inclusion of Films and Literary Texts from Malgudi Days and Pather Panchali;</p> <p>6. Suggested the course title to be changed from Introduction to Comics Studies to Introductory Comic Studies. It was further suggested that the pedagogy should focus on the Joy of learning rather than the technical depth and discussions on Indian comics must be included. The modified course to be approved by the Chairman, Senate after incorporating suggestions;</p> <p>7. Suggested to drop the course Languages of the World as the course is highly descriptive. It was further suggested to design a course on Computational Linguistics; and</p>
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			<p>8. Suggested to revise the course Indian English Writing and revised version would be placed in the next meeting of the Senate.</p> <p><b>Action: Head, SoLA</b></p>
	Proposal of new courses	Department of Mathematics	<p>Multi-objective Optimization: Theory, Algorithms and Applications as an elective for Ph.D. and PG students in addition to eligible UG students L-T-P [C]- 3-0-0 [3]</p> <p>Dr. Chandramouli, Head Mathematics presented the course before the senate.</p> <p>The Senate after detailed deliberation recommended the following suggestions;</p> <ol style="list-style-type: none"> <li>1. Revision of course title from Multi-objective Optimization: Theory, Algorithms and Applications to Multi-objective Optimization;</li> <li>2. Prerequisites to be removed for the course, to make it available to all eligible students;</li> <li>3. The revised course content can be approved by the Chairman, Senate.</li> </ol> <p><b>Action : Head, Mathematics</b></p>
<b>36.4</b>	<b>Reporting, Adopting and Noting Items</b>		
<b>36.4.1</b>	<b>Recommendations to confer the Award of B.Tech., B.Tech. Minor/Specialization, M.Sc., M.Tech., MBA, MBA-Technology, Masters (Medical Technologies), M.Sc.-M.Tech., and Ph.D. Degrees, PG Diploma/Certificate to students, who meet the various academic requirements.</b>		
	<p>Proposal for conferment of award of B.Tech., B.Tech. Minor / Specialization, M.Sc., M.Tech., MBA, MBA-Technology, Masters (Medical Technologies), M.Sc.-M.Tech., and Ph.D. Degrees, PG Diploma/Certificate to students was presented by the Dean (Academic).</p> <p>The following students met all academic requirements for the award of the said Degrees:</p> <ol style="list-style-type: none"> <li>1) <b>316</b> students registered in the B.Tech.(CSE), B.Tech.(ME), B.Tech.(EE), and B.Tech.(BB) Programmes;</li> <li>2) <b>92</b> students registered in the M.Sc.(CY), M.Sc.(DH), M.Sc.(MA) and M.Sc.(PH) Programmes;</li> </ol>		




	<p>3) <u>04</u> students registered in the M.Sc.-M.Tech. Programme</p> <p>4) <u>283</u> students registered in the M.Tech.(BB), M.Tech.(CH), M.Tech.(AI), M.Tech.(CS), M.Tech.(CI-ENV), M.Tech.(CI-EN), M.Tech.(CPS), M.Tech.(SIoT), M.Tech.(DCS), M.Tech. (AMD), M.Tech.(TFE) and M.Tech.(MT) Programmes;</p> <p>5) <u>77</u> students registered in the MBA and MBA-Technology Programmes;</p> <p>6) <u>06</u> students registered in the Master's in Medical Technology Programmes;</p> <p>7) <u>21</u> students registered in the Ph.D. Programme.</p> <p>8) <u>20</u> students registered in the PG Diploma/Certificate.</p> <p>The complete list of the said <b>819</b> students is placed as <b>Annexure VI</b>.</p> <p>Further the following B.Tech. students have met the requirements of the award of Minor/Specialization certificate</p> <p>9) <u>17</u> Students ((included in the list of B.Tech) registered for Minor/Specialization in Entrepreneurship, Management, Visual Computing, Artificial Intelligence and Robotics.</p> <p>The Senate authorized the Chairman, Senate for approval of degrees to B.Tech., B.Tech. Minor/Specialization, M.Sc., M.Tech., MBA, MBA-Technology, Masters (Medical Technologies), M.Sc.-M.Tech., and Ph.D. Degrees, PG Diploma/Certificate to students in respective disciplines after detailed verification of names and various academic requirements by respective offices.</p> <p>The Chairman Senate is further authorized to include Ph.D. students defending their Doctoral Thesis by 20 November 2023 to the list of graduands.</p> <p style="text-align: right;"><b>Action: Dean (Academics)</b></p>
<b>36.4.2</b>	<b>Organization of 9<sup>th</sup> Convocation of the Institute</b>
	<p>The Senate approved the Organization of 9th Convocation of the Institute on 21st November 2023.</p> <p style="text-align: right;"><b>Action: Dean (Academics)</b></p>
<b>36.4.3</b>	<b>Academic recommendations of Special ECS Meeting held on 15th November, 2023</b>
	<p>The Senate accepted the academic recommendations of the Special ECS meeting held on 15 November 2023.</p> <p style="text-align: right;"><b>Action: All Heads/Concerned</b></p>

<b>36.5</b>	<b>Ratification Items</b>
<b>36.5.1</b>	<b>Approvals accorded by the Chairman, Senate</b>
	The Senate ratified the approvals accorded by the Chairman, Senate on behalf of the Senate, as presented in the Agenda.
<b>36.6</b>	<b>Any other Item with the prior permission of the Chairman, Senate</b>
<b>36.6.1</b>	<b>Policy related to starting of Certificate Courses</b>
	<p>The Senate discussed the modalities related to starting of certificate courses at the Institute. After detailed discussion, the Senate authorized the Chairman, Senate to approve the Certification programme as per the approved Senate guidelines for the number of credits and hours required for the certification. It was further suggested getting the certificate course evaluated by a committee before approval of the Chairman, Senate. The focus should be on course attributes. The certificate programme thus approved shall be reported in the next Senate meeting.</p> <p style="text-align: right;"><b>Action: Dean (Academics)</b></p>
<b>36.6.2</b>	<b>Sports Quota for admissions to programmes of IIT Jodhpur</b>
	<p>The Senate, after detailed discussion on the sports quota for admission to undergraduate programmes through JEE for State/National level sports persons has recommended that at present the Institute not in a position to admit students under the sports quota. The Senate further recommended to consider their candidature only after finishing their sports career.</p> <p style="text-align: right;"><b>Action: Dean (Academics)</b></p>

The meeting concluded with thanks to the Chairman and all members.

  
 (Dr. Somnath Ghosh)  
 Offg. Registrar & Secretary, Senate  
 21/11/23

Approved

  
 (Prof. Santanu Chaudhury)  
 Director & Chairman, Senate IIT Jodhpur