

ग्यारहवीं सिनेट बैठक का कार्यवृत्त

**MINUTES OF THE 11th SENATE MEETING OF
IIT MANDI**

7th October, 2016



भारतीय प्रौद्योगिकी संस्थान मण्डी

कमांद- 175005, हिमाचल प्रदेश

Indian Institute of Technology Mandi

Kamand – 175005, Himachal Pradesh

INDIAN INSTITUTE OF TECHNOLOGY MANDI KAMAND, HIMACHAL PRADESH



11th SENATE MEETING OF IIT MANDI

7th October, 2016

Items

Item No.	Items	Page No.
11.1	To confirm the minutes of the 10 th Senate meeting held on 29 th June, 2016	5
11.2	To receive a Report on the action taken to implement the decisions of the 10 th Senate meeting held on 29 th June, 2016	5
11.3	To consider award of Ph.D., M.S.(by Research), M.Sc. (Chemistry), M.Tech.(Energy Engineering) and B.Tech. degree	5-10
11.4	To consider new courses recommended by the CPC & BoA	10-11
11.5	One time approval (OTA) of the courses already taken by the graduating students	11
11.6	To consider inclusion of DP-301P: Interdisciplinary Socio-Technical Practicum (ISTP) as an essential requirement for award of B.Tech (Honors) degree	11-12
11.7	To consider change in rules for admission in B.Tech. programme	12
11.8	Additional agenda items with the permission of the Chair.	12-13
11.9	To report decisions / action taken by the Chairman of the Senate on behalf of the Senate.	13-14

INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 11th Senate Meeting of IIT Mandi held on 7th October, 2016 at A1 NKN Room, Kamand Campus of IIT Mandi at Kamand.

The following members were present:

In the Chair

Prof. Timothy A. Gonsalves, Director, IIT Mandi

Members:

Prof. Deepak Khemani, Deptt. of CSE, IIT Madras
Prof. Ramesh Oruganti, Emeritus Professor, IIT Mandi
Prof. B.D.Chaudhary, Dean (Academics) & Emeritus Professor, SCEE, IIT Mandi
Dr. Prem Felix Siril, Dean (SRIC) & Associate Professor, SBS, IIT Mandi
Dr. Suman Kalyan Pal, Dean (Students) & Associate Professor, SBS, IIT Mandi
Dr. Subrata Ghosh, Dean (I & S) & Associate Professor, SBS, IIT Mandi
Dr. Prasanth Jose, Chairperson, SBS, IIT Mandi
Dr. Rajeev Kumar, Chairperson, SE, IIT Mandi
Dr. Rajeshwari Dutt, Chairperson, SHSS, IIT Mandi
Dr. P. Parameswaran, Associate Dean (Courses) & Associate Prof., SBS, IIT Mandi
Dr. Samar Agnihotri, Associate Dean(SRIC) & AP, SCEE, IIT Mandi
Dr. Varun Dutt, Associate Dean (International Relations) & AP, SCEE & SHSS, IIT Mandi
Dr. Venkata Krishnan, Associate Dean (Research) & AP, SBS, IIT Mandi
Dr. Aniruddha Chakraborty, Associate Professor, SBS, IIT Mandi
Mr. Ajay, Student Research Affairs Secretary, IIT Mandi
Mr. Ravi Kumar, Student General Secretary, IIT Mandi
Mr. Paawan Mukker, Student Academic Affairs Secretary, IIT Mandi
Shri Mohammad Shakeel, Registrar & Secretary, IIT Mandi

Following Senate member attended the meeting through NKN/video conferencing:

Prof. N.S. Narayanaswmy, Associate Prof., Deptt. of CSE, IIT Madras
Dr. Vishal S. Chauhan, In-charge Dean (F&A), Asso. Dean (F&A) & AP, SE, IIT Mandi
Dr. Tulika P. Srivastava, Associate Dean (Recruitment) & AP, SBS, IIT Mandi

Following senate members could not attend the meeting:

Prof. S.R. Kale, Professor Mechanical Engg. Deptt., IIT Delhi
Prof. Shormishtha Panja, HoD English, University of Delhi
Prof. B.K. Mishra, Department of Mechanical & Industrial Engg. IIT Roorkee
Prof. D.K. Mehra, Emeritus Professor, IIT Roorkee
Prof. Hema Murthy, Prof. Deptt of Computer Science & Engg., IIT Madras
Prof. Anil Prabhakar, Professor, Deptt. of Electrical Engg., IIT Madras

Prof. Babu Vishwanathan, Professor, IIT Madras
Prof. S.B. Krupanidhi, Professor, Material Research Centre, IISc Bangalore
Prof. Milind A. Sohoni, Professor, IIT Bombay
Prof. S.N. Singh, Professor, Deptt of Electrical Engg., IIT Kanpur
Prof. Arghya Taraphder, Professor, Physics & Meteorology, IIT Kharagpur
Prof. Rafikul Alam, Dept. of Mathematics, IIT Guwahati
Prof. Arindama Singh, Dept. of Mathematics, IIT Madras
Prof. P. K. Kapoor, Dept. of Operations Research, University of Delhi
Prof. A. D. Gupta, Dept. of Mechanical Engg. IIT Delhi
Prof. P. Vellaisamy, Dept. of Mathematics, IIT Bombay
Prof. Rahul Roy, Unit of Mathematics, ISI Delhi
Prof. Dharendra Bahuguna, Dept. of Mathematics & Statistics, IIT Kanpur
Prof. T. Raja Sekhar, Dept. of Mathematics, IIT Kharagpur
Prof. Anant R. Shastri, Dept. of Mathematics, IIT Bombay
Prof. R. K. Sharma, Dept. of Mathematics, IIT Delhi
Prof. Thamban Nair M, Dept. of Mathematics, IIT Madras
Prof. P. Veeramani, Dept. of Mathematics, IIT Madras
Prof. Subrata Ray, Distinguished Visiting Professor, SE, IIT Mandi
Prof. B. Subramanian, Visiting Professor, SHSS, IIT Mandi
Dr. Bharat Singh Rajpurohit, Dean (Faculty) & Associate Professor, SCEE, IIT Mandi
Dr. Anil Sao, Chairperson, SCEE, IIT Mandi
Dr. Shail Shankar, Assistant Professor, SHSS, IIT Mandi
Dr. Bindu Radhamany, Assistant Professor, SBS, IIT Mandi

In addition, the Senate meeting was also attended by the following faculty members of IIT Mandi:-

Dr. Sriram Kailasam, Assistant Professor, SCEE
Dr. Muslim Malik, Assistant Professor, SBS, IIT Mandi
Dr. Dileep A. D., Assistant Professor, SCEE
Dr. P. Anil Kishan, Assistant Professor, SE, IIT Mandi
Dr. Devika Sethi, Assistant Professor, SHSS, IIT Mandi
Dr. Shyamasree Dasgupta, Assistant Professor, SHSS, IIT Mandi
Dr. Astrid Kiehn, Visiting Associate Professor, SCEE
Dr. Hari Verma, I-Ph.D. Coordinator & Assistant Professor, SBS, IIT Mandi
Dr. Rajendra Kumar Ray, Assistant Professor, SBS
Shri Vivek Tiwari, Assistant Registrar (Academics)

Following faculty members attended the meeting through video conferencing/NKN:

Dr. Tushar Jain, Assistant Professor, SCEE, IIT Mandi
Dr. Maben Rabi, Assistant Professor, SCEE, IIT Mandi
Dr. Amit Prasad, Assistant Professor, SBS

Dr. Vishwanath Balakrishnan, Assistant Professor, SE
Dr. Satvasheel Powar, Assistant Professor, SE, IIT Mandi
Dr. Aditi Halder, Assistant Professor, SBS

The Chairman Senate extended a warm welcome to all the Senate members and faculty for attending the 11th Senate meeting. He welcomed three student members in the Senate; Student Research Affairs Secretary, Student General Secretary and Student Academic Affairs Secretary. He also welcomed the new faculty members who joined IIT Mandi after the last Senate meeting.

The Chairman informed the Senate that the Institute has started a unique 5 weeks induction plan this year, it seems to be very fruitful. It increased the interaction with faculty and other students in the Institute.

Then the agenda items were taken up.

Item No. 11.1: To confirm the minutes of the 10th Senate meeting held on 29th June, 2016.

The Senate confirmed the minutes of its 10th meeting held on 29th June, 2016.

Item No. 11.2: To receive a Report on the actions taken to implement the decisions of the 10th Senate meeting held on 29th June, 2016.

The Senate noted the action taken on its earlier decisions.

Item No. 11.3: To consider award of Ph.D., M.S.(by Research), M.Sc. (Chemistry), M.Tech.(Energy Engineering) and B.Tech. degree.

The Senate was informed that the Fourth Convocation of the institute is scheduled to be held on 10th October, 2016 (Monday) at Kamand Campus, Prof. Joachim Holtz, Emeritus Professor, Wuppertal University, Germany has kindly consented to be the Chief Guest. Further, it was informed that

07 Ph.D., 05 M.S. (by Research), 10 M.Sc. (Chemistry), 03 M.Tech (Energy Engineering with specialization in Materials) and 115 B.Tech students fulfill all the requirements for the award of the Degree in the 4th convocation. The summary information with regard to the various degrees is as under:

a) Doctor of Philosophy (Ph.D.)

The following seven Ph.D. scholars have completed all the requirements for the award of the degree of “Doctor of Philosophy’ including submission of the final approved thesis.

S. No.	Name & Roll No.	Date of Joining/ Date of Completion	Guide	Thesis Title	Viva- Voce Board	External Examiners
1	Sindhu K (D10001)	DoJ:19.10.2010 DoC:07.10.2016 (6 Years)	Dr. Hari Varma (Guide) Prof. P.C. Deshmukh (Co-guide)	Photoionization Studies of some closed shell atoms and ions	Dr. Prasanth P Jose (Chairman) Dr. Lokesh Tribedi (Examiner) Dr. Kailash Chandra Jena (Specialist) Dr. Hari Varma (Guide) Prof. P.C. Deshmukh (Co-guide) Dr. Pradyumna Pathak	Dr. Lokesh C. Tribedi (TIFR, Mumbai) Prof. Alan Hibbert (Queen's University, UK)
2	Diwaker (D10011)	DoJ:19.10.2010 DoC:11.12.2015 (5 Years, 2 months)	Dr. Aniruddha Chakraborty	Exact Solution of Few Multistate Problems in Quantum and Statistical Mechanics	Dr. Prasanth P. Jose (Chairman) Prof. N. Sathyamurthy (Examiner) Dr. Rajesh Kumar (Specialist) Dr. Hari Varma (Nominee) Dr. Pradyumna Pathak Dr. Viswanath Balakrishnan	Prof. Eli Pollak (Weizmann Institute of Science) Dr. N. Sathyamurthy (IISER, Mohali)
3	Abhishek Chaudhary (D10012)	DoJ:19.10.2010 DoC:11.03.2016 (5 Years, 5 months)	Dr. Chayan Kant Nandi	Anisotropic Gold Nanoparticles for Sensors, Protein Conformation Studies and Sustained Drug Release	Dr. Prasanth P. Jose (Chairman) Dr. Parmit K. Chowdhary (Examiner) Dr. Ganga Ram Chaudhary (Specialist) Dr. Subrata Ghosh Dr. Suman K. Pal	Prof. Reinhard Zellner (University of Duisburg- Essen) Prof. Pramit K. Chowdhury (IIT Delhi)
4	Chander Kant Susheel (D10015)	DoJ:01.03.2011 DoC:26.07.2016 (5 Years, 4 months)	Dr. Rajeev Kumar (Guide) Dr. Vishal Singh Chauhan (co-guide)	Geometric Nonlinear Shape and Vibration control of Functionally Graded Smart Structures	Dr. Bharat S. Rajpurohit (Chairman) Dr. S. Narayanan (Examiner) Dr. Rajneesh Sharma (Specialist) Dr. Sudhir K. Pandey Dr. Atul Dhar Dr. Syed Abbas Dr. Subrata Ghosh	Prof. Sathya V. Hanagud (Georgia Institute of Technology) Prof. S. Narayanan, (IIT Madras)
5	Ashish Kumar (D10016)	DoJ:01.03.2011 DoC: 23.09.2016 (5 Years, 6 months)	Dr. Hari Varma (guide) Prof. P.C. Deshmukh (Co-guide)	Photoionization Dynamics of Some Free and Confined Atomic Systems	Dr. Prasanth P. Jose (Chairman) Dr. Rajesh Srivastava (Examiner) Dr. Yugul Khajuria (Specialist) Dr. Bindu Radhamany Dr. C.S. Yadav	Prof. Anthony F. Starace (University of Nebraska) Dr. Rajesh Srivastava (IIT Roorkee)
6	Hari Vansh Rai Mittal (D11023)	DoJ:31.07.2011 DoC:26.07.2016 (5 Years, 0 months)	Dr. Rajendra K. Ray	A Class of Higher Order Accurate Schemes for Fluid Interface Problems	Dr. Prasanth P. Jose (Chairman) Dr. Y.V.S.S. Sanyasiraju (Examiner) Dr. Manoranjan Mishra (Specialist) Dr. Manoj Thakur Dr. Syed Abbas Dr. P Anil Kishan Dr. Muslim Malik	Prof. Jitesh S.B. Gajjar (University of Manchester) Prof. Y.V.S.S. Sanyasiraju (IIT Madras)
7	Satyanarayan Patel (D12076)	DoJ:31.07.2012 DoC:14.05.2016 (3 Years, 10 months)	Dr. Rahul Vaish	Investigation of Solid State Refrigeration Potential in $Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O_3$ -based Ferroelectric Ceramics	Dr. Vishal S Chauhan (Chairman) Dr. K.B.R. Varma (Examiner) Prof. S. Ray (Specialist) Dr. Rajeev Kumar Dr. Atul Dhar Dr. Manoj Thakur	Prof. Jurgen Rodel (TU Darmstadt) Prof. K.B.R. Varma (IISc, Bengaluru)

b) Master of Science (MS.(by Research))

The following five M.S. scholars have completed all the requirements for the award of the degree of Master of Science (by Research) including submission of the final approved thesis.

S. No.	Name & Roll No.	Date of Joining/ Date of Completion	Thesis Title	Guide	Academic Progress Committee	External Examiners
1	Pothula Abhinay Reddy (S11018)	DoJ:31.01.2012 DoC:07-10-2016 (4 Years, 10 months)	Online Estimation of Low Frequency Circuit Model of Single Phase Power Transformers	Dr. Anil K Sao (Guide) Dr. Bharat S Rajurohit (Co-guide)	Dr. Satyajit Thakor (Chairman) Dr. Rajeev Kumar Dr. Varun Dutt	Dr. Ragavan K. (IIT Gandhinagar) Dr. B.Kalyan Kumar (IIT Madras)
2	Manoj Dhiman (S12024)	DoJ:31.07.2012 DoC:28.07.2016 (4 Years, 0 months)	Salt Fingers in Two and Three Dimensions	Dr. O.P.Singh	Dr. Rajeev Kumar (Chairman) Dr. Atul Dhar Dr. P Anil Kishan Dr. Rajendra K Ray	Dr. Prodyut R. Chakraborty (IIT Jodhpur) Dr. Kirti Chandra Sahu (IIT Hyderabad)
3	Abhijeet Sachdev (S13004)	DoJ: 29.07.2013 DoC:27.06.2016 (2 Years, 11 months)	Example-Specific Density Based Matching Kernels for Varying Length Patterns of Speech and Images	Dr. A.D. Dileep	Dr. Anil K Sao (Chairman) Dr. Pratibha Garg Dr. Padmanabhan Rajan	Dr. Shirish K Shevade (IISc Bangalore) Dr. Balaraman Ravindran (IIT Madras)
4	Manish Sharma (S13007)	DoJ: 29.07.2013 DoC:12.04.2016 (2 Years, 9 months)	A study on solar energy harvesting using pyroelectric materials	Dr. Rahul Vaish (Guide) Dr. Vishal S Chauhan (Co-guide)	Dr. O.P.Singh (Chairman) Dr. Mohammad Talha Dr. Atul Dhar Dr. Satinder Sharma	Dr. Mahesh Kumar (IIT Jodhpur) Dr. Srinibas Satapathy (RRCAT, Indore)
5	Monisha Rastogi (S13011)	DoJ:14.02.2014 DoC: 24.02.2016 (2 Years, 0 months)	Ab Initio Molecular Dynamics and DFT Calculations as Support Tool and Predecessor to Experimental Investigations of New Energy Materials	Dr. Rahul Vaish	Dr. Vishal S. Chauhan (Chairman) Dr. Arpan Gupta Dr. Rajeev Kumar Dr. C.S.Yadav	Dr. Neelam Kumari (CSIR, Chandigarh) Dr. Satyendra Singh (JNU, New Delhi)

c) Master of Science (M.Sc. (Chemistry))

The following ten students have completed all the requirements for the award of the degree of Master of Science in Chemistry. Their names and Roll Nos. are as given below:

S. No.	Roll No.	Student Name
1	V14001	Arpit Bharadwaj
2	V14002	Diksha Gambhir
3	V14003	Prashant Gupta
4	V14004	Reena
5	V14005	Rituporn Gogoi
6	V14006	Shifali Bajaj
7	V14007	Snigdha Jain
8	V14009	Vaidehi Pandit
9	V14010	Vikky
10	V14011	Vinod Kumar

d) Master of Technology in Energy Engineering with specialization in Materials (M.Tech. (Energy Engineering))

The following three students have completed all the requirements for the award of the degree of Master of Science (M.Tech. (Energy Engineering)). Their names and Roll Nos. are as given below:

S. No.	Roll No.	Student Name
1	T14001	Abhishek Singh

2	T14003	Nitesh Das
3	T14004	Ram Krishan

e) Bachelor of Technology (B.Tech.) in Computer Science and Engineering

46 students have completed all the requirements for the award of 'Bachelor of Technology' degree in Computer Science and Engineering. Their names and Roll. Nos. are as given below:

S. No.	Roll No.	Student Name	S. No.	Roll No.	Student Name
1	B12001	Jaydeep Kumar Gondaliya	24	B12024	Ambuj Som
2	B12002	Sohil Samir Savla	25	B12025	Jyoti
3	B12003	Akanksha Gupta	26	B12027	Aadil Ahmad Ansari
4	B12004	Neeraj Sharma	27	B12028	Abhay Pratap Singh
5	B12005	Aman Grover	28	B12029	A Sanjeeva Raidu
6	B12006	Mohit Sharma	29	B12030	Himanshu Kamboj
7	B12007	Rishikesh Barve	30	B12031	Nandeshwar Himanshu Mahadeo
8	B12008	Kaustubh Mallik	31	B12032	Sunil Kumar
9	B12009	Md Anzer Moid	32	B12033	Ankit Kumar Gautam
10	B12010	Hrudaya Ranjan Sahoo <i>(With Minor in German Language)</i>	33	B12035	Mr Srinath
11	B12011	Karra Saiteja Reddy	34	B12036	Pawan Kumar
12	B12012	Mani Kumar	35	B12038	Ramavath Saikiran
13	B12013	Aman Garg	36	B12039	Ajay Kumar
14	B12014	Nikhil Garg <i>(With Minor in Management)</i>	37	B12053	Ms Anshu Sharma
15	B12015	Rohit Patiyal	38	B12059	Devang Bacharwar
16	B12016	Sehaj Duggal	39	B12066	Gautam Vij
17	B12017	Jibraan Singh Chahal	40	B12068	Gautam Suri
18	B12018	Neha Gupta	41	B12069	Sandesh Kumar Singh * <i>(With Minor in Applied Physics)</i>
19	B12019	Aditya Chauhan	42	B12101	Mehta Kumar Jitesh
20	B12020	Shivam Satija	43	B12114	Varigonda Pavanteja
21	B12021	Parmar Anandkumar Kishorbhai	44	B12120	Abhishek Chaudhary
22	B12022	Tejpal Yadav	45	B12130	Amit Yadav
23	B12023	Subhash Kumar <i>(With Minor in Management)</i>	46	B11038	Vaishali

f) Bachelor of Technology (B.Tech.) in Electrical Engineering

33 students have completed all the requirements for the award of 'Bachelor of Technology' degree in Electrical Engineering. Their names and Roll. Nos. are as given below:

S. No.	Roll No.	Student Name	S. No.	Roll No.	Student Name
1	B12051	Vikram Paliwal	18	B12076	Shruti Pal
2	B12052	Yogesh Jain	19	B12078	R Rohit Kumar
3	B12055	Sarvesh Kumar Gupta <i>(With Minor in Applied Physics)</i>	20	B12079	Mujavar Rasul Nabilal <i>(With Minor in German Language)</i>
4	B12056	Kartik Jain	21	B12080	Paramjit Singh
5	B12057	Zohaib Majeed	22	B12081	Niraj Kumar Singh
6	B12058	Anup Mishra	23	B12082	Sandeep Kumar
7	B12060	Gummuluru Pannaga Sameer Kaushik	24	B12083	Anil Kumar Mathur
8	B12061	Pesala Rohith Venkata	25	B12086	Peetala Snehith Rana
9	B12063	Cherukuri Sumanth	26	B12087	Rohit Raghav
10	B12064	Aita Avinash Nath	27	B12088	Bhuvnesh Meena
11	B12067	Divakar Maurya	28	B12089	Rahul Kumar Meena
12	B12070	Shreya Tangri	29	B12090	Kajal Meena
13	B12071	Bhujade Rahul Sadanand	30	B12037	Reeta Meena
14	B12072	Prashant Kumar <i>(With Minor in German Language)</i>	31	B12122	Sakshama Ghoslya
15	B12073	Subhash Kumar	32	B12129	Seela Aiswarya
16	B12074	Sudheer Kumar	33	B10059	Jitesh Meghwal
17	B12075	Himanshu Rathore			

g) Bachelor of Technology (B.Tech.) in Mechanical Engineering

36 students have completed all the requirements for the award of 'Bachelor of Technology' degree in Mechanical Engineering. Their names and Roll. Nos. are as given below:

S. No.	Roll No.	Student Name	S. No.	Roll No.	Student Name
1	B12102	Amladi Amogh Gautam <i>(With Minor in German Language)</i>	19	B12125	Devender Kumar
2	B12103	Rishabh Ranjan Singh	20	B12126	Adesh Kumar
3	B12104	Deshinge Akshay Ajay	21	B12127	Mohd Zakir Hussain
4	B12105	Kunal Joshi	22	B12128	Boppana Karthikeyulu
5	B12106	Nikhil Kumar Kayathwal	23	B12131	Anuraj G P
6	B12107	Aarjav Malhotra	24	B12132	Abhishek Badwan
7	B12108	Prateek Gauba	25	B12133	Hemant Kumar
8	B12109	Kumar Vaibhav	26	B12135	Akshay Kumar Ramteke
9	B12110	Aman Agrawal	27	B12136	Paramjit Singh Kainth
10	B12111	Mayank Singh Rajput	28	B12137	Rohit Kumar Bharti
11	B12112	Dhruv Vashisth	29	B12138	Vipin Raj Meena
12	B12113	Ankit Agarwal	30	B12139	Ramraj Meena
13	B12115	Sreepada Venkata Ratna Kiriti	31	B12140	Manish Kumar Bhuarya
14	B12117	Uday Sood	32	B12054	Gourav Panwar

		(With Minor in Applied Physics)			
15	B12119	Mohit Bhatia (With Minor in German Language)	33	B12062	Garimella Harika
16	B12121	Krishna Walse	34	B12065	Monil Chugh
17	B12123	Shishir Priyadarisi	35	B12084	Himanshu Ranjan
18	B12124	Rajat Raj	36	B10114	Hrushikesh Sikur Singh Alda

h) Medals & Prize recipients

Medals/Prizes	Awarded To	
	Name	Roll No.
President of India Gold Medal	Mr. Rohit Patiyal	B12015
Director's Gold Medal	Mr. Prateek Gauba	B12108
Institute Silver Medal: Computer Science and Engineering	Mr. Rohit Patiyal	B12015
Institute Silver Medal: Electrical Engineering	None	Not eligible
Institute Silver Medal: Mechanical Engineering	Mr. Amaldi Amogh Gautam	B12102
Rani Gonsalves Memorial Medal	Ms. Jyoti	B12025
Balasundaram Endowment Prize in German Language	Mr. Mohit Bhatia	B12119
Outstanding Academic Achievement Award (M.Sc. (Chemistry)) student	Mr. Arpit Bharadwaj	V14001

The Senate recommended the award of Degrees, Medals and Prizes for approval by the Board of Governors (BOG) to all the above and wished them a very bright future.

Item No. 11.4: To consider new courses recommended by the Course Proposal Committee (CPC).

The Chairperson, CPC presented the following course proposals for the approval of the Senate

- (i) EE-611P:VLSI Fabrication Practicum
- (ii) HS-541: Technical Communication
- (iii) EM 651: PV Materials and Fabrication
- (iv) BY 613: Metagenomics and Next Generation Sequencing Technologies
- (v) CS545: Software Designing Patterns
- (vi) EE 514: Introduction to Feedback Controls (change of Course Title to 'Robust Control Systems')

Senate considered the course proposals and the recommendations of the CPC in detail. After deliberations, Senate recommended to defer the approval of the course HS-541 as many members raised various concerns about this course proposal. The Senate approved other course proposals with suggested changes.

Item No. 11.5: One Time Approval (OTA) of the courses already taken by the graduating students

- a) Associate Dean Courses highlighted certain issues associated with the One Time Approvals (OTAs) of the courses taken by graduating batch of students. One particular issue was regarding the approval of courses taken by the students who had spent a semester in the universities abroad under Student Exchange programme between IIT Mandi and the foreign University. Currently, such courses are checked and approved by the respective Faculty advisor, Assoc. Dean (International Relations) and Assoc. Dean (Courses). Later, the Senate gives OTA for such courses before the student graduates. It was proposed to increase the validity of such OTAs in order to reduce the number of such courses being presented in Senate for OTAs every year.

After deliberations, Senate decided to extend the validity of OTAs given to such courses for a period of three years. These courses will be treated as courses of the Institute for the duration they are valid.

- b) The Senate also accorded one time approval for inclusion of the courses PH-413 Quantum Mechanics-I and PH-411 Mathematical Physics in the course basket of the minor in 'Applied Physics'.

Item No. 11.6: To consider inclusion of DP-301P: Interdisciplinary Socio-Technical Practicum (ISTP) as an essential requirement for the award of B.Tech (Honors) degree.

The Senate approved the proposal to include DP-301P: Interdisciplinary Socio-Technical Practicum (ISTP) as an essential requirement for the award of B.Tech (Honors) degree. As a consequence of this, Clause 'c' of the B.Tech. (Honors) eligibility criteria is modified as follows:

'Student should do DP401P & DP402P: Major Technical Project and DP-301P: Interdisciplinary Socio-Technical Practicum (ISTP) compulsorily and obtain a grade of 'B' or above in these courses.'

This change will be implemented for the students who have taken admission in the year 2014 or later. Therefore, the modified eligibility criteria for the B.Tech. (Honors) degree will be as follows:

- a. A student may opt for B.Tech. (Honors) degree if she/he has CGPA of 8.5 or more and no 'F' grade till fourth or fifth semester.
- b. For B. Tech (Honors), a student needs to earn additional 12 credits (over and above the required 160 credits for B. Tech degree) relevant to her/his discipline as recommended by the faculty advisor.
- c. Student should do DP401P & DP402P: Major Technical Project and DP-301P: Interdisciplinary Socio-Technical Practicum (ISTP) compulsorily and obtain a grade of 'B' or above in these courses.
- d. Student should not have received any 'F' grade throughout the B.Tech. program.
- e. Student should secure an overall CGPA of 8.5 or more out of 172 credits (160+12).

Item No. 11.7: To consider change in rules for admission in B.Tech. programme.

The Senate deliberated on the proposals and decided the following:

- a. Non-PIO/OCI foreign candidates, BOTH of whose parents are also not Indian/OCI/PIO, may be permitted to write JEE (Advanced) without qualifying through JEE (Main).
- b. **NOT** to allow a student who has already joined an IIT to take JEE (Adv) the next year so that s/he can rejoin in another branch and/or another IIT.

Item No. 11.8: Additional agenda item with the permission of the Chair

- (i) **To consider approval of Degree formats of the programmes of which the 1st batch is graduating:**

As proposed, the degree formats for the following programmes were approved by the Senate.

- a. M.Sc. in Chemistry
- b. M.Tech. in Energy Engineering with specialization in Materials.

The Senate also approved to mention the following in all the degrees to be awarded:

'Given at Kamand, Mandi District on this (Date).'

The approved formats are given in Annexure – A.

(ii) Regarding Convocation Awards & Prizes:

a. Criteria for Academic Prizes - change from 'Highest CGPA' to Academic Excellence including High CGPA.

Currently, the criteria for the President of India Gold Medal is as follows: "It shall be awarded to the graduating student with the best overall academic record, as indicated by the overall CGPA, in the B.Tech program." Similarly, the criteria for Institute Silver Medal in a particular discipline is "It shall be awarded to the graduating student with the best academic record, as indicated by the overall CGPA, in a given B.Tech. discipline."

Senate deliberated on the modification of these criteria and approved the following criteria for these medals.

"President of India Gold Medal and Institute Silver Medals shall be awarded to the graduating students with the best record of academic excellence."

b. Only B.Tech. (Honors) students to be considered for President's Gold Medal & Institute Silver Medals

The Senate deliberated on the proposal and decided that the students with excellent academic records, preferably B.Tech. (Honors) students, will be considered for President of India Gold Medal & Institute Silver Medals.

c. New proposal for awards for M.Sc. and M.Tech.

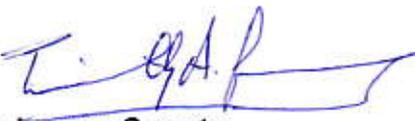
The Award and Prize Committee constituted by the Chairman, Senate has recommended to establish 'Outstanding Academic Achievement Award' for each of the course work based Post Graduate Degree programmes having a sufficient number of students. A certificate will be awarded to the recipient of this award during the Convocation.

The Senate approved the above proposal.

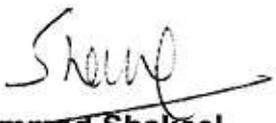
Item No. 11.9: To report decisions / action taken by the Chairman, Senate

The Senate noted the decisions taken by the Chairman, Senate on behalf of the Senate.

The meeting ended with a vote of thanks to the Chair and to Members.



Chairman, Senate



**Mohammad Shakeel
Secretary, Senate**

Annexure - A



अभिषद् की अनुशंसा पर
भारतीय प्रौद्योगिकी संस्थान मण्डी
के अभिशासक परिषद् द्वारा
रसायन विज्ञान में विज्ञान स्नातकोत्तर
की उपाधि
अ ब स
को

10 अक्टूबर 2016 को कमांद, मण्डी जनपद में प्रदान की गयी।



The Board of Governors of the

Indian Institute of Technology Mandi

upon the recommendation of the Senate hereby confers the degree of

Master of Science

in

Chemistry

on

ABC

Given at Kamand, Mandi District on this 10th of October 2016

अध्यक्ष, अभिशासक परिषद्
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

कुलसचिव
Registrar



अभिषद् की अनुशंसा पर
भारतीय प्रौद्योगिकी संस्थान मण्डी

के अभिशासक परिषद् द्वारा

ऊर्जा अभियांत्रिकी में पदार्थ विशेषज्ञता के साथ प्रौद्योगिकी स्नातकोत्तर
की उपाधि

«STUDENT_NAME_IN_HINDI»

को

10 अक्टूबर 2016 को कमांद, मण्डी जनपद में प्रदान की गयी।



The Board of Governors of the

Indian Institute of Technology Mandi

upon the recommendation of the Senate hereby confers the degree of

Master of Technology

in

Energy Engineering with Specialization in Materials

on

«STUDENT_NAME_IN_ENGLISH»

Given at Kamand, Mandi District on this 10th of October 2016

अध्यक्ष, अभिशासक परिषद्
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

कुलसचिव
Registrar