सप्तम सिनेट बैठक का कार्यवृत्त

MINUTES OF THE SEVENTH SENATE MEETING OF IIT MANDI

11th MARCH, 2015

Indian
Institute of
Technology
Mandi
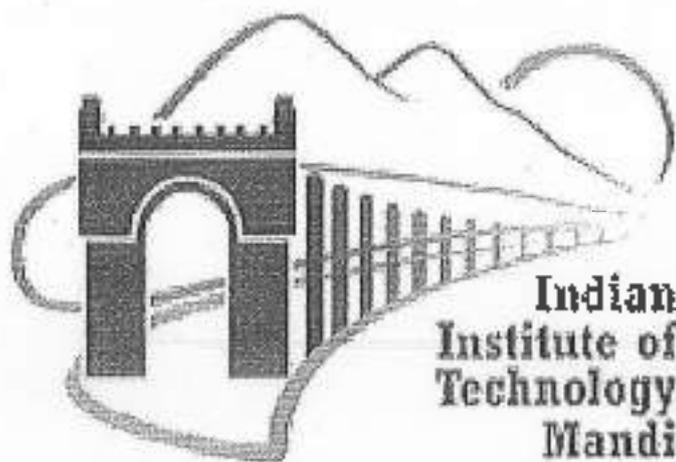
भारतीय प्रौद्योगिकी संस्थान मण्डी
कमांद– 175005, हिमाचल प्रदेश

Indian Institute of Technology Mandi
Kamand – 175005, Himachal Pradesh

INDIAN INSTITUTE OF TECHNOLOGY MANDI
KAMAND, HIMACHAL PRADESH

7TH SENATE MEETING OF IIT MANDI

11TH MARCH, 2015

Items

INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 7th Senate Meeting of IIT Mandi held on 11th March, 2015 at A1 NKN Room, Kamand campus of IIT Mandi

The following members were present:

In the Chair

Prof. Timothy A. Gonsalves, Director, IIT Mandi		
Members:		
Prof. Ramesh Oruganti, Dean (Academics), SCEE, IIT Mandi		
Prof. B. Subramanian, Dean (Students), SHSS, IIT Mandi		
Prof. S. C. Jain, Dean (I&S), SE, IIT Mandi		
Dr. Subrata Ghosh, Chairperson, SBS, IIT Mandi		
Dr. Anil Sao, Chairperson, SCEE, IIT Mandi		
Dr. Ashok Kumar Mocherla, Chairperson, SHSS, IIT Mandi		
Dr. Varun Dutt, Asst. Professor, SCEE &SHSS, IIT Mandi		
Dr. P. Parameswaran, Assistant Professor, SBS, IIT Mandi		
Dr. Aniruddha Chakraborty, Assistant Professor, SBS, IIT Mandi		
Dr. Shail Shankar, Assistant Professor, SHSS, IIT Mandi		
Dr. Bindu Radhamany, Assistant Professor, SBS, IIT Mandi		
Dr. Rajeev Kumar, Asst. Professor, SE, IIT Mandi		
Dr. Samar Agnihotri, Assistant Professor, SCEE, IIT Mandi		
Dr. Vishal Singh Chauhan, Asst. Professor, SE, IIT Mandi		
Mr. Saurabh Singh, Student Research Affairs Secretary, IIT Mandi		
Mr. Shivam Satija, Student General Secretary, IIT Mandi		
Mr. Harishit Singhal, Student Academic Affairs Secretary, IIT Mandi		
Shri Mohammad Shakeel, Registrar & Secretary, IIT Mandi		

Following Senate members attended the meeting through video conferencing:

Prof. Deepak Khemani, CSE, IIT Madras
Prof. Sunil Kale, ME, IIT-Delhi
Prof. N. S. Narayanswamy, CSE, IIT Madras
Prof. Subrata Ray, Distinguished Professor, SE, IIT Mandi
Prof. B. D. Chaudhary, Dean (SRIC), SCEE, IIT Mandi

Following senate members could not attend the meeting:

Prof. Lalit Malhotra, Dean (F &A), IIT Mandi

Prof. S. N. Singh, EE, IIT, Kanpur
Prof. Babu Viswanathan, ME, IIT Madras
Prof. Arghya Taraphder, SBS, IIT Mandi
Prof. Hema Murthy, Professor, CSE, IIT Madras
Prof. Shormishtha Panja, Professor, DU, Delhi
Prof. Anil Prabhakar, Professor, EE, IIT Madras
Prof. B. K. Mishra, Professor, ME & I, IIT Roorkee
Prof. D. K. Mehra, Former Professor, E&C, IIT Roorkee
Prof. S. B. Krupanidhi, MRC, IISc, Bangalore
Prof. Milind A. Sohoni, IIT, Bombay
Prof. S. N. Singh, EE, IIT, Kanpur
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. Dhirendra 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
Dr. Rahul Vaish, Chairperson, SE, IIT Mandi

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

Dr. S. Ladas, Visiting German Instructor, SHSS, IIT Mandi
Dr. Bharat Singh Rajpurohit, Assistant Professor, SCEE, IIT Mandi
Dr. Padmanabhan Rajan, Assistant Professor, SCEE, IIT Mandi
Dr. Hiteshbhai S Kantilal, Assistant Professor, SCEE, IIT Mandi
Dr. Arnav Bhavsar, Assistant Professor, SCEE, IIT Mandi
Dr. Arpan Gupta, Assistant Professor, SE, IIT Mandi
Dr. Amit Prasad, Assistant Professor, SBS, IIT Mandi
Dr. Dericks Praise Shukla, Assistant Professor, SE, IIT Mandi
Dr. Prasun Jana, Assistant Professor, SE, IIT Mandi
Dr. Subhashish Dutta, Assistant Professor, SCEE, IIT Mandi
Dr. Tripti Singh, Teaching Fellow, SHSS, IIT Mandi

Dr. Muslim Malik, Assistant Professor, SBS, IIT Mandi

Dr. Rajendra K. Ray, Assistant Professor, SBS, IIT Mandi

Dr. Bhakti Joshi, Assistant Professor, SCEE, IIT Mandi

Dr. Deepak Swamy, Assistant Professor, SE, IIT Mandi

Prof. Bhavender Paul, Adjunct Professor, SHSS, IIT Mandi

Dr. Amit Jaiswal, Assistant Professor, SBS, IIT Mandi

Dr. P. Mondal, Assistant Professor, SBS, IIT Mandi

Dr. Prem Felix Siril, Assistant Professor, SBS, IIT Mandi

Dr. Suman Kalyan Pal, Assistant Professor, SBS, IIT Mandi

Mr. Vivek Tiwari, AR(Acad), IIT Mandi

Following faculty members attended the meeting through video conferencing:

Dr. Kunal Ghosh, Assistant Professor, SCEE, IIT Mandi

Dr. Anil Kishan, Assistant Professor, SE, IIT Mandi

Dr. Syed Abbas, Assistant Professor, SBS, IIT Mandi

Dr. O. P. Singh, Assistant Professor, SE, IIT Mandi

Dr. Rajesh Ghosh, Assistant Professor, SE, IIT Mandi

Dr. Rajneesh Giri, Assistant Professor, SBS, IIT Mandi

Dr. Aditya Nigam, Assistant Professor, SCEE, IIT Mandi

Dr. Mohammad Talha, Assistant Professor, SCEE, IIT Mandi

Dr. Manoj Thakur, Assistant Professor, SBS, IIT Mandi

Dr. Atul Dhar, Assistant Professor, SE, IIT Mandi

The Chairman Senate extended a warm welcome to all the Senate members and faculty for attending the 7th Senate meeting. He welcomed Mr. Mohammad Shakeel, Registrar and Secretary to Senate, who joined the Institute in December 2014 and appreciated the appreciable services rendered by Dr. R. C. Sawhney, outgoing Registrar and first Secretary to the Senate. He also welcomed the new faculty members who joined IIT Mandi after the last Senate meeting.

The Chairman noted that preparations for the visit of the Honourable President of India for the 2nd Convocation on 15th March are in full swing. While many faculty and staff are working hard to make it a success, he especially appreciated Prof. S. C. Jain, Dean (I & S) for his efforts almost around the clock for the past many weeks, along with the Registrar, towards the organization of this event.

He informed the members that IIT Mandi is the first among the new IITs to shift to the permanent campus. Around 65% students of IIT Mandi have already been shifted to its permanent campus in Kamand. Three new hostel buildings will be ready soon and about 85% of the students will be shifted to the Kamand campus this semester itself. Currently about 40% faculty members have been shifted to the Kamand campus and the remaining will be shifted possibly by the end of this year. New labs, library,

campus school etc are coming up soon in the permanent campus and the play grounds are also getting ready.

He further informed the members that during the last six months, Institute has recruited six new faculty members in BioX. This new batch of faculty will develop the research and teaching facilities in BioX in the coming years. One of our major achievements is to introduce Civil Engineering branch in the Institute. Towards this, a series of work-shops have been conducted over the last few months. The first brainstorming workshop on civil engineering was organized in April 2014 which was chaired by Prof. V. S. Raju. This was followed by a 2nd work-shop in October, 2014 and a 3rd work-shop in March 2015. Experts from TU9 Institutions, Germany and other IITs participated in these work-shops to give directions to the new Civil Engineering program.

Chairman reminded that the two major expectations from IIT faculty are research and teaching. Here at IIT Mandi, the teaching is taken seriously. He stressed on the importance of students' feed-back in improving the teaching standards. Chairman advised the student representatives to convey the message to all the students to actively participate in teacher course feedback process. He also announced that a Teaching Workshop has been organized at IIT Mandi in collaboration with IIT Madras and few of our faculty members have attended this workshop. Some other faculty members attended a similar workshop held at IIT Madras. He expressed the view that the students will be benefitted from the experiences the faculty members earned from these workshops.

In August, 2014 a new Academic body called the 'Board of Academics' (BoA) was constituted. This body is below the Senate and is expected to take-up academic related issues and give its suggestions and recommendations to the Senate. BoA consists mostly of young faculty members which provides a platform to the new faculty and students to express their views.

The Chairman informed that IIT Mandi has currently about 150 research scholars. Our research output has increased substantially over the last year. We have published a number of journal articles over the last year which amounts to 2.33 per faculty member. He noted that this number is even higher than that of some of the older IITs. Also he noted that three of our MS students have been converted to PhD, including 2 female PhDs in Mechanical Engineering, which again is a good sign and shows our strength in research. IIT Mandi has received substantial research grants over the last year for various sponsored research projects. Dr. Varun Dutt has got an industrial project from USA for USD 95,000 which is the second largest industrial project received by the Institute in terms of funds.

Then the agenda points were taken up.

Item No. 7.1: To confirm the minutes of the 6th Senate meeting held on 26th May, 2014

The minutes of the 6th Senate meeting held on 26th May, 2014 at IIT Mandi Kamand campus were circulated to all the members of the Committee.

No comments were received from the members. The minutes were confirmed by the Senate.

Item No. 7.2: To receive a Report on the action taken to implement the decisions of the 6th Senate meeting held on 26th May, 2014

The position of action taken on the matters as reported was noted.

Item No. 7.3: To consider award of Ph.D., M.S. (by Research) and B.Tech. degree

The Second Convocation of IIT Mandi has been scheduled to be held on 15th March, 2015 (Sunday) at Kamand campus. Shri Pranab Mukharjee, Visitor of the Institute and Hon'ble President of India has kindly consented to be the Chief Guest.

03 Ph.D., 08 M.S. (by Research) and 116 B. Tech students fulfill all the requirements for the award of the degrees. The summary information with regard to the various degrees is as under:

* **Doctor of Philosophy (Ph.D.)**

The following three 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.

Sl. No.	Name & Roll No.	Date of Joining/ Date of Completion	Guide	Thesis Title	Viva-Voce Board	External Examiners
1	Lakshman Mehlo D10005 1st of 2010 batch	DoJ:19.10.2010 DoC:16.09.2014	Dr. Syed Abbas	Analysis of Impulsive Fractional Functional Differential Equations	Dr. Subrata Ghosh(Chairman) Prof. Prawal Sinha Dr. Syed Abbas Prof. B. D. Chaudhary	Prof. Kailash C. Patidar (University of Western Cape, SA), Prof. Prawal Sinha (IIT Kanpur),

| 2 | Sougate Sinha D10009 1st of 2010 batch | DoJ:20.10.2010/ DoC:13.11.2014 | Dr. Subrata Ghosh | Small Molecule Based Optical Monitors: Synthesis, Characterization and Applications in Bioimaging | Prof. Shripad P. Mahulikar (Chairman) Prof. Arindam Banerjee, Dr. Subrata Ghosh, Dr. P. C. Ravikumar | Dr. Cheal Kim (Seoul National University of Science &Technology), Prof. Arindam Banerjee (Indian Association for the Cultivation of Science, Kolkata) |
| 3 | Pankaj Kumar D11047 | DoJ at LMNIIT Jaipur 03.01.200 9 DoJ at IIT Mandi (Lateral Entry). 01.06.2012 DoC:04.09.201 4 | Dr. Anil Kashyap | Ab-initio, Analytical and Micromagnetic Study of Low-Dimensional Materials and Intermetallic Alloys | Dr. SubrataGhosh (Chairman), Prof. Priya Mahadevan, Dr. Anil Kashyap Dr. Viswanath Balakrishnan | Dr. Klaus Koepernik (IFW Dresden), Prof. Priya Mahadevan (S.N. Bose National Centre for Basic Sciences, Kolkata) |

- ## Master of Science (M.S. (by Research))

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

Sl.No.	Name & Roll. No.	School	Date of Joining/ Date of Completion	Guide	Thesis Title	Academic Progress Committee
1	Runa Barik (S10001)	SCEE	DoJ: 19.10.2010 DoC: 01.05.2014	Dr. Dinil Mon Diwakaran/Dr. Sukumar Bhattacharaya	Improving Latency of Mice in the Internet: An Approach Based on TCP Initial Window	Prof. T.A. Gonsalves, Dr. Manoj Thakur, Dr. Samar Agnihotri
2	Vijay Chauhan (S10006)	SE	DoJ: 19.10.2010 DoC: 17.04.2014	Dr. Satish Gadupudi/ Dr. Anil P. Kishan	Combined Cycle for Cold Storage and Power Generation Using Low Temperature Renewable Heat Sources	Dr. Prem Felix Siril, Dr. P.C. Ravikumar, Dr. A. Chakraborty, Dr. Vishal Chauhan, Dr. Rajeev Kumar
3	Anjana Babu (S11009)	SCEE	DoJ: 31.07.2011 DoC: 10.3.2015	Dr. Anil Kumar Sao	A Probabilistic Approach to Select Units Based on Acoustic Similarity for Speech Synthesis	Dr. Sukumar Bhattacharya (Chair Nominee), Dr. Satinder Kr. Sharma, Dr. Samar Agnihotri, Dr. Vishal Singh Chauhan
4	Anuruddh Kumar (S11011)	SE	DoJ: 31.07.2011 DoC: 07.03.2015	Dr. Rajeev Kumar (Guide)/ Dr. Vishal Singh Chauhan (Co-Guide)	Design and Simulation of Piezoelectric Energy Harvester	Prof. S.C. Jain, Dr. Rahul Vaish, Dr. Anil Kishan, Dr. Satinder Kr. Sharma
5	Tushar Kant Swain (S11014)	SE	DoJ: 29.07.2011 DoC: 04.03.2015	Dr. Anil P. Kishan	Comparison of the Performance of Symmetric and Asymmetric strut Based Fuel Injection Systems for Scramjet Combustor	Dr. Vishal Singh Chauhan, Dr. Prasanth P. Jose, Dr. B. Viswanath, Dr. Rahul Vaish (Chairperson)
6	Joshi Ashish Shirish (S11017)	SCEE	DoJ: 31.01.2012 DoC: 06.01.2015	Dr. Sanjeev Manhas (Guide)/ Dr. Satinder Kr. Sharma (Co-Guide)	A Novel Single Switch-Capacitor DAC SAR ADC Design	Dr. Sukumar Bhattacharya (Chair Nominee), Dr. Bharat Singh Rajpurohit, Dr. Samar Agnihotri, Dr. Venkata Krishnan
7	Khoisnam Steeta (S11019)	SCEE	DoJ: 31.01.2012 DoC: 16.02.2015	Dr. Bharat Singh Rajpurohit	Modeling and Performance Analysis of Shunt Active Power Filter for Power Distribution System	Dr. Anil Kr. Sao, Dr. A.D.Dileep, Dr. Satyajit Thakor, Dr. Syed Abbas

| 8 | Gaurav Vats (S11020) | SE | DoJ: 31.01.2012
DoC: 04.07.2014 | Dr. Rahul Vaish | Lead-Free Ferroelectric Materials Selection and Energy Harvesting Investigations | Dr. Vishal Singh Chauhan (Chair Nominee), Dr Rajeev Kumar, Dr. Atul Dhar, Dr. Satinder Kr. Sharma |

All the above graduating students have completed the course work in IIT Mandi. The Senate approved to award of degree to all the above.

- ## 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:

Sl.No.	Roll. No.	Name
1	B10001	Abhra Basak
2	B10002	Ajay Kumar
3	B10003	Aman Agrawal
4	B10004	Antra
5	B10005	Apoorva Kumar
6	B10006	Ashish Mahaver
7	B10007	Ashish Singh
8	B10008	Ashwini Kumar Dautaniya
9	B10009	Badavath Sampath Kumar
10	B10010	Boga Saikiran
11	B10011	Divya Goyal

12	B10012	Gourav Choudhary
13	B10013	Gore Amit Krashnakant
14	B10014	Himanshu Dewan
15	B10015	Hingu Aakash Shaileshkumar
16	B10016	Jai Prakash
17	B10017	Jitendra Prasad Keer
18	B10018	K Saithejosh
19	B10019	Khushali Modi
20	B10020	Lonkar Nikhil Nandkumar
21	B10021	Mahesh Yadav
22	B10022	Manav Agarwal
23	B10023	Nandini Kapoor
24	B10024	Neeraj Kumar
25	B10025	Piratla Vihari
26	B10026	Prashant Kumar Singh
27	B10027	Raheja Vishal Jagdish
28	B10028	Sadique Rasool
29	B10029	Sanchit Khattry
30	B10030	Shiv Sankar Baishya
31	B10031	Shivansh Agarwal
32	B10032	Shoubhik Debnath
33	B10033	Sirikonda Sai Teja
34	B10034	Sudhanshu Gaur
35	B10035	Sukrit Aggarwal
36	B10036	Suman Sourav Sunderroy
37	B10037	Tushar Dublish
38	B10038	Vivek Vishwakarma
39	B10040	Achal Thakur

40	B10041	Saveena Rajput
41	B10042	Ankur Bhatt
42	B10074	Sachin Kumar Saini
43	B10076	Saumya Singh
44	B10080	Suraj B Malode
45	B10107	Damini Singal
46	B09003	Aman

- **Bachelor of Technology (B.Tech.) in Electrical Engineering**

34 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:

Sl.No.	Roll. No.	Name
1	B10051	Abhijeet Kumar Meena
2	B10052	AkashTrivedi
3	B10053	Anand Dhandhania
4	B10054	Ankur Dixit
5	B10055	Athar Aamir Ul Shafi Khan
6	B10056	Bharat
7	B10057	Dhirendra Kumar Singh
8	B10058	Himanshu Singh
9	B10060	Krishna Kamani
10	B10061	Lalit Kumar
11	B10062	Manoj Kumar Meena
12	B10063	Mohit Goyal
13	B10064	Mohit Yadav
14	B10065	Nalam Venkata Abhishek

15	B10066	Narender Kumar Meena
16	B10067	Narendra Prajapat
17	B10068	Paliya Aditya Vedprakash
18	B10069	Rahul Kumar Gautam
19	B10070	Ram Garg
20	B10071	Rohit Goyal
21	B10072	Rohit Sangral
22	B10073	S.Bhuvaneswari
23	B10075	Sachin Sharma
24	B10077	Shashank Mathur
25	B10078	Siddhant Mohan
26	B10079	Sunil Yadav
27	B10082	VikasYadav
28	B10083	Vivek Kumar
29	B10084	Vivek Singh Chandel
30	B10085	Devendra Kumar Meena
31	B10086	Hariom Meena
32	B10087	Amit Kumar Meena
33	B10039	Yogesh Kumar Meena
34	B09065	Manish Jhingoniya

- **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. Of these students, two have also completed their requirements for the degree with a Minor in Device Materials. Their names and Roll. Nos. are as given below:

Sl.No.	Roll. No.	Name
1	B10101	Abhishek Verma

2	B10102	Adhish Bhandari
3	B10103	Akash Patel
4	B10104	Akash Pathak
5	B10105	Aneesh Monga
6	B10106	Anupam
7	B10108	Deepak Chaudhary
8	B10109	Deepak Sharma
9	B10110	Eshaan Aggarwal
10	B10112	Gurbir Singh
11	B10113	Himanshu Khandelwal
12	B10115	Jayesh Chandra Gupta
13	B10116	Kanv Garg
14	B10117	Kshitij Bansal
15	B10118	Kumar Shanu Meena
16	B10119	Kunal Kishore
17	B10120	Kunal Vijay Thakkar
18	B10121	Lalin T Divan
19	B10122	Mondrathi Abhilash
20	B10123	Pranjal Jain
21	B10124	Prithish Seth
22	B10125	Rahul Chandel
23	B10126	Rohtaz Singh
24	B10127	Sachin Roongta (degree with Minor in Device Materials)
25	B10128	Sahil Kapila
26	B10129	Salil Jain (degree with Minor in Device Materials)
27	B10130	Santosh Kumar Meena
28	B10131	Savla Diler Taran
29	B10132	Shaik Moiz Ahmed

30	B10133	Shashwat Sharma
31	B10134	Shivanshu Singh
32	B10135	Sreevalsan P
33	B10136	Sumit Kant
34	B10137	Surendra Khoja
35	B10138	Vipul Gautam
36	B10139	Asheesh Kumar Meena

The senate recommended the award of degree for approval by the Board of Governors (BOG) to all the above and wishes them for their bright future.

Item No. 7.4:   **Presentation by the CPC Chair**

Dr. Bharat Singh Rajpurohit, Chairperson, CPC presented the modified CPC procedures to the Senate. He also presented a new course proposal titled 'Text Retrieval and Mining' for Senate's approval. Senate members gave their comments on the proposal and requested the proposer to revise the proposal accordingly. Once the corrections have been incorporated, the Chairman, Senate can approve the proposal on behalf of the Senate. The revised syllabus of this course is attached in Annexure A.

Item No. 7.5:   **To consider creation of a JEE (Advanced) Office/Cell at IIT Mandi**

Chairman Senate briefed the members about JEE processes and requested the Senate to approve the cell. Senate after discussing all the aspects of the issues has approved the creation of JEE Cell in the Institute Chaired by Dr. Pradeep C. Parameswaran, Assoc. Dean(Courses).

Item No. 7.6:   Introduction of a new B.Tech. degree programme

- The programme of B.Tech. in Civil Engineering is being recommended by the Senate for approval by the Board of Governors. (Annexure-A1)

- The Senate recommended a strength of 25 students as the intake in B.Tech. Civil Engineering programme for the forth-coming Academic Year for kind approval of BOG.

Item No. 7.7:   Courses taken by non-degree students

Currently, in the M.S. (by Research) degree certificate only the thesis title is mentioned; the School or discipline is not mentioned. Mentioning only the topic of the research may narrow down the students' career options including choice of areas for Ph.D. research. Therefore, after deliberations, the Senate recommended for the approval by the Board of Governors (BOG) for inclusion of the name of School also in the M.S. (by Research) degree.

Item No. 7.8:   Additional agenda items with the permission of the Chair.

Semester Away:

Prof. Ramesh Oruganti, Dean(Academics) raised an additional agenda item, which was recommended by Board of Academics in its last meeting. Chairman Senate allowed to present this item to the Senate. The details of this agenda item are as follows:

IIT Mandi has an active semester exchange program with eminent institutions in India and abroad. Many B. Tech students go for semester exchange visits to other institutions with which IIT Mandi has a relevant MoU. The benefits of such a programme are mainly two-fold.

1. Broadening of the educational experience of the student. Visit to another country/institution, new cultural and academic learning benefits the student's long term development. This is to be encouraged.

2. Another benefit of such visits is that the students who go on such exchange visits come back and share their experiences with their fellow students and also with faculty members leading to the broadening and enhancement of the academic culture of the parent institute.

It was observed that some of the students who go for such exchange visits spend

their last two semesters (7th and 8th semesters) outside IIT Mandi due to various reasons. Because of this, IIT Mandi does not get the complete advantage of their semester exchange experiences.

One suggestion to address this problem was that the students may be allowed to go on exchange visits for only one semester at a time and they should come back and spend at least one semester at IIT Mandi before going on for another semester exchange visit.

But the student representatives and some faculty members felt that this will not be a good solution due to various reasons including the particular sequencing of courses offered during odd and even semesters at some institutes, financial implications to the students etc. Senate felt that some of these points raised by student representatives and others are valid.

Considering the pros and cons of various options, and also considering that the IIT Mandi B.Tech programme is a four year residential programme with features that are unique to the programme, the Senate decided the following:

- The student can go on exchange visits for one or two semesters.
- If the student goes on semester exhange visits for two semesters, these two semesters can be contiguous.
- No student exchange visit will be allowed during the eighth semester. The student must spend the eighth semester of his/her B.Tech program at IIT Mandi.
- Some of the 'signature courses' of IIT Mandi such as Reverse Engineering course, Design Practicum and other courses should be compulsorily completed at IIT Mandi. This is so as to preserve the character of an IIT Mandi B.Tech degree.
- The semester exchange programmes can only be undertaken with those institutes with whom IIT mandi has an MoU for such visits.

Item No. 7.9:   To report decisions / action taken by Chairman, Senate

The position of following matters reported was noted.

Chairman, Senate on behalf of the Senate approved the following:

- **Constitution of Board of Academics:**

The Board of Academics (BoA) was constituted on 20th August, 2014.

More details on the same is placed as an Annexure-2; **Page - 3.**

"The Deans Committee approved the Board of Academics. The role of the Board is to consider proposals on policy matters related to academics, both teaching and research. Proposals that are found to have merit will be forwarded to the Senate with the Board's recommendations. For major new proposals, the Board may prepare a white paper that is circulated to the faculty for comments. The deliberations on such a proposal will be continued in the subsequent meeting(s) considering comments received. The Board constitution is as follows:

a)   Dean (Academics)   : Chair
b)   Associate Dean (Courses)   : Member
c)   Associate Dean (Research)   : Member
d)   Chairman Library Advisory Committee   : Member
f)   Chairman Course Proposal Committee   : Member
g)   Course Coordinators (one for each B.Tech, M.Tech, M.Sc, M.A. Programme)
h)   Two nominees from each School (At least one being an Assistant Professor, for a term of two years)
I)   Industry Members: 2-3 persons from relevant industries, having academic inclination
j)   Student Members: Academic Affairs Secretary, Research Affairs Secretary
k)   AR (Academics): Secretary

Initiation of Proposals

Proposals may be made in different ways:

*   Any Board member may submit a well documented proposal to the Dean (Academics) for consideration.
*   Anyone may submit a proposal to a School. After deliberation by the School Faculty, the proposal may be submitted to the Dean (Academics)
*   Chair, Course Proposal Committee will submit all course proposals approved by CPC
*   The Dean (Academics) may initiate deliberations on any issue

The Dean will vet each proposal for its relevance to the terms of reference of the Board, and ensure that it is well documented and well written. The agenda of the Board will be divided in to two parts- Part A: for consideration with student members and Part B: for consideration without student members. A proposal that comes through a School will be championed in the Board by the 2 nominees of the School. If the situation warrants, the Dean (Academics) may invite the initiator of a proposal to the meeting.

The Committee should meet at least once in a month during the semester, once during the winter vacation. Special meetings may be called more frequently if some Issues warrant. The quorum of the Board shall be 2/3 or the members from IIT.

- **Introduction of Rani Gonsalves Memorial Medal**

This award is for outstanding all-round proficiency from among the female B.Tech. students graduating in a year. The details of this award are placed In Annexure-3; Page - 4.

This new award Is instituted by Prof. Timothy A. Gonsalves, Director, IIT Mandi, in memory of his mother Mrs. Rani Gonsalves.

- **To report list of Medals and Prizes winners among the graduands of B.Tech. 2014.**

Medals / Prizes	Awarded To
	Name
President of India Gold Medal	Mr. Shoubhik Debnath
Director's Gold Medal	Mr. Anand Dhandhania
Institute Silver Medal : Computer Science and Engineering	Mr. Shoubhik Debnath
Institute Silver Medal : Electrical Engineering	Mr. Krishna Karnani
Institute Silver Medal : Mechanical Engineering	Mr. Deepak Sharma
Rani Gonsalves Memorial Medal	Ms. Damini Singal
Balasundaram Endowment Prize in German	None

- **To report on modifications in the certificates for Medals and Prizes:**

The modified formats for the Medals and Award citations have been approved by the Chairman, Senate. These are placed as Annexure-4; Page 5-8.

- **To report on the HTRA scholarship of PhD scholars after completion of prescribed duration.**

The grant of fellowship during the extension period to Ph.D. Scholars are as per the following rules:

For Regular Ph.D. scholars:

The Ph.D. scholars, who are not able to complete their degree within the stipulated period, may be granted an extension of one year.

During the period of extension, such scholars will be given the HTRA scholarship from the institute as given below:

Sl. No	Qualifying Degree	Scholarship During Extension period
1.	Graduate Degree in Professional Courses (BE/B.Tech. or Equivalent) and GATE or equivalent qualification OR Post Graduate Degree in Basic Sciences (M.Sc. or Equivalent) and NET qualified	50% of the last paid scholarship during the 6th year.
2.	Post Graduate Degree in Professional Courses (M.E./M.Tech. or equivalent)	50% of the last paid scholarship during the 5th year.

- During the extension period, the scholar will have to present the progress before the Doctoral Committee in the presence of Dean (Academics) on completion six months f extension. The approval of the Committee will be mandatory for the continuance of the scholarship beyond first six months of the extension.
- As per practice at the Institute, such Ph.D. scholars are required to perform the TA duty of 8 Hrs./week during the extension period also.

- **Implementation of reservation policy of Govt. of India in the PG programmes (M.Tech.& M.Sc.)**

The reservation policy of Government of India was implemented during the admission of M.Sc. and M.Tech. admissions. The distribution of seats for various categories for the Post Graduate Programs on the defined intake w.e.f. Academic Year 2014-15 was as follows:

Open Category	50%
OBC	27%
SC	15%
ST	7.5%
PD *(horizontal reservation)*	3%

Presently, the intake for M.Tech. (Energy Materials) and M.Sc. (Chemistry) has been set to 12 seats in each program.

- **Rules for refund of Fee/Charges on withdrawal from**

PG/MS/PhD programme

The rules for refund of Fee/Charges on withdrawal from PG/MS/Ph.D. program is as below:

Academic/Institute Fee:

- If the withdrawal is requested on or before the date of Registration, full fee may be refunded after deducting processing fee of Rs.1000/- (Rs. One Thousand only).
- If the withdrawal is requested after the date of Registration, only Caution/Security/Refundable deposits may be refunded (after adjusting the dues, if any).

Hostel Rent/ Charges:

- The Caution/Security/Refundable deposits may be refunded (after adjusting the dues, if any).
- If the withdrawal is requested before taking possession of / occupying the hostel room, full rent/charges may be refunded.
- If the withdrawal is requested after taking possession of / occupying the hostel room, the hostel charges may be refunded on proportionate deductions of monthly charges/seat rent, Mess charges, etc. where applicable.
- Refund will be processed only if the request of withdrawal and cancellation of registration is duly approved by the Dean-Academics and the student submits the 'No Dues certificate' obtained from the concerned sections/authorities.

- **Report on Admission of Students UG, PG, MS, PhD:**

List of B.Tech. students admitted during AY 2014-15:

	CSE BRANCH			EE BRANCH			ME BRANCH
1	B14101	Amanshu Raikwar	1	B14201	Abhijeet Singh	1	B14301
2	B14102	Amit Kumar	2	B14202	Abhinav Kumar	2	B14302
3	B14103	Amod Kumar Choudhary	3	B14203	Abhishek Kumar Mishra	3	B14303
4	B14104	Arpit Karwasara	4	B14204	Akshay Mathew	4	B14304
5	B14105	Aryan Kumar	5	B14205	Akshay Pathak	5	B14305
6	B14106	Ashish Arya	6	B14206	Anubhav Agrawal	6	B14306
7	B14107	Deepak Sharma	7	B14207	Arja Avinash Billrich	7	B14307
8	B14108	Devarakonda Vamsi Krishna	8	B14208	Ashok Kumar Godara	8	B14308
9	B14109	Harsh Gupta	9	B14210	Chalta Yaswanth Yadav	9	B14309
10	B14110	Kapardi Trivedi	10	B14211	Deepesh Yadav	10	B14310
11	B14111	Manjush Mangal	11	B14212	Divyanshu Verma	11	B14311
12	B14112	Marimganti Sudhanshu	12	B14213	Harshit Varshney	12	B14312
13	B14113	Muthiyan Neha	13	B14214	Jitesh Kumar Gupta	13	B14313
14	B14114	Nasir Ansari	14	B14215	Kishor Kumar Verma	14	B14314
15	B14115	Nimit Kalal	15	B14216	Kuldeep Meena	15	B14315
16	B14116	Parul Bansal	16	B14217	Kumar Ashutosh	16	B14316
17	B14117	Priyadharshinee.S	17	B14218	Lakshay	17	B14317
18	B14118	Priyansh Saxena	18	B14219	Lokesh Kasana	18	B14318
19	B14119	Purushottam	19	B14220	Mohit Jain	19	B14319
20	B14120	Raghav Sethi	20	B14221	Neha Grewal	20	B14320
21	B14121	Rahul Singh	21	B14222	Nitesh Kumar	21	B14321
22	B14122	Ramavath Kiran Kumar	22	B14223	Nitesh Bansiwal	22	B14322
23	B14123	Rishabh Kumar	23	B14224	Partik Kumar Rajput	23	B14323
24	B14124	Rohit Chauhan	24	B14225	Patel Shravan Rajnarayan	24	B14324
25	B14125	Rohit Kumar Verma	25	B14226	Pulkit Rajgadiya	25	B14325
26	B14126	Sachin Dhariwal	26	B14227	Rakde Anurag Keshav	26	B14326
27	B14127	Sagar Kaushal	27	B14229	Rishabh Meena	27	B14327
28	B14128	Sahil Arora	28	B14230	Sandeep Singh	28	B14328
29	B14129	Saif Ali Akhtar	29	B14231	Shailesh Meena	29	B14329
30	B14130	Saksham Bathla	30	B14232	Shashank Sethi	30	B14330

31	B14131	Sanjay Kumar Meena	31	B14233	Shikhar Shukla	31	B14331
32	B14132	Shikhar Gupta	32	B14234	Shivam Richhariya	32	B14332
33	B14133	Siddhant Kumar	33	B14235	Shradhan Kumar	33	B14333
34	B14134	Sumant Garg	34	B14238	Shushmita Chaudhary	34	B14335
35	B14135	Sunil Kumar	35	B14239	Simranjeet Singh	35	B14336
36	B14136	Tapesh Joham	36	B14240	Sonawane Akshay Rajendra	36	B14339
37	B14137	Umang Agarwal	37	B14241	Vinayak Sangar		
38	B14138	V Vivek					
39	B14139	Varun Bansal					
40	B14140	Vinay Goel					
41	B14141	Yogendra Kumar Dhiwar					

List of M.Sc. (Chemistry) students admitted during AY 2014-15

Sl. No.	Roll No.	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	Snighda Jain
8	V14008	Sumeet Kumar (Withdrawn later)
9	V14009	Vaidehi Pandit
10	V14010	Vikky
11	V14011	Vinod Kumar

List of M.Tech. (Energy Materials) students admitted during AY 2014-15

1	T14001	Abhishek Singh

2	T14002	Nayanjyoti Kuli(Withdrawn later)
3	T14003	Nitesh Das
4	T14004	Ram Krishan

List of M.S. (by Research) students admitted during AY 2014-15

Sl. No.	Roll No.	Name	School
1	S14001	Shikha Gupta	SCEE
2	S14002	Kartik Gupta	SCEE
3	S14004	Punit Kumar	SE
4	S14005	Kumar Gaurav	SE
5	S14006	Ashutosh Patel	SE
6	S14007	Vishrut Sunil Shah	SE
7	S14009	Sarveshwaran J	SCEE
8	S14010	Sanjay Singh Tomar	SE
9	S14011	K.S.Srikanth	SE

List of Ph.D. scholars admitted during AY 2014-15:

Sl. No.	Roll No.	Name	School
1	D14001	Fauzul Mobeen	SBS
2	D14002	Shaifu Gupta	SCEE
3	D14003	Anshul Thakur	SCEE
4	D14004	Krati Gupta	SCEE
5	D14005	Archana Sharma	SCEE
6	D14006	Anindita Ghosh	SHSS
7	D14007	Abhilash, M	SHSS

8	D14008	Mohammad Saquib	SBS
9	D14009	Navneet Chandra Verma	SBS
10	D14010	P.Guru Prasad Reddy	SBS
11	D14011	Syamantak Khan	SBS
12	D14012	Imran Ahamed	SBS
13	D14013	Suneel Kumar	SBS
14	D14014	Davinder Singh	SE
15	D14015	Sandeep K Shukla	SE
16	D14016	Rohit Pathak	SBS
17	D14017	Duni Chand Thakur	SBS
18	D14018	Avadhesh Kumar	SBS
19	D14020	Juhi Pandey	SBS
20	D14021	Karan Singh	SBS
21	D14022	Pravesh Kumar	SBS
22	D14023	Ravi Sharma	SBS
23	D14024	Shivani	SCEE
24	D14025	Krishan Sharma	SCEE
25	D14026	Mohammad Sultan Alam	SCEE
26	D14027	Jyoti Nigam	SCEE
27	D14028	Palvi Aggarwal	SCEE
28	D14029	Ashish Shirish Joshi	SCEE
29	D14030	Indu	SCEE
30	D14031	Ankit Gupta	SE
31	D14032	Anuruddh Kumar	SE
32	D14033	Atendra Kumar	SBS
33	D14034	Pravat Kumar Jena	SBS
34	D14035	Monika Kaushik	SHSS
35	D14037	Sumeet Kumar Sharma	SE
36	D14038	Zahid Maqbool	SCEE
37	D14039	Anshul Kumar Mishra	SCEE
38	D14040	Pawan Kumar (Lateral Entry)	SE

List of Ph.D. (Part-Time) students admitted during AY 2014-16

SI. No.	Roll No.	Name	School
1	PTD1401	Shishu Bala	SHSS
2	PTD1402	Vikrant Kanwar	SHSS
3	PTD1403	Pratik Chaturvedi	SCEE
4	PTD1404	Ashwani Kumar	SBS

List of Ph.D. (ERP) students admitted during AY 2014-16

SI. No.	Roll No.	Name	School
1	ERPD1401	Venkateswaran C	SE

The Senate is requested to consider accepting them on the Rolls of the Institute.

- Report on withdrawal of students from the Institute.

SI. No.	Roll No.	Name	Programme/ Discipline	School	Date of Joining
		Withdrawal of Students from the Institute			
1	D13022	Bikram Kumar	Ph.D.	SHSS	14.03.2014
2	S14006	Sawarkar Surendra Kumar Nishant	M.S.	SE	25.06.2014
3	V14008	Sumeet Kumar	M. Sc. (Chem)	SBS	11.08.2014
4	T14002	Nayanjyoti Kuli	M.Tech	SE	19.08.2014

- Report on conversion from M.S. to Ph.D. programme:

SI. No.	Roll No.	Name	School	Remarks
1	D14019	Nidhi Baranwal	SE	Converted from M.S. to Ph.D. on 01.11.2014
2	D14036	Faria Rehman	SE	Converted from M.S. to Ph.D. on 05.02.2015

- **Report on Ph.D. admission on Lateral Entry/Transfer basis:**

Sl. No	Roll No.	Name	School	Remarks
1	D14040	Pawan Kumar	SE	Joined the institute on Lateral Entry/Transfer basis from IIT (BHU) on 19.02.2015 (DOJ at IIT (BHU) was 23rd July, 2014)

- **Report on Conversion from Regular Ph.D. to Part-Time Ph.D. programme:**

Sl. No	Roll No.	Name	School	Remarks
1	D13003	Neeraj Sankhyan	SHSS	Converted From regular Ph.D. to Part Time Ph.D. on 29.07.2014

- **To report the list of B.Tech. students whose applications for the branch change has been approved at the start of the Odd Semester 2014**

Sl. No.	Roll No.	Student Name	Present Branch	Changed Branch
1	B13204	Ashish Kumar Bedi	EE	CSE
2	B13218	Pawan Mukker	EE	CSE
3	B13225	Samya Ranjan Patro	EE	CSE
4	B13231	Shubham Chandel	EE	CSE
5	B13234	Swapnil Sharma	EE	CSE
6	B13235	Tushar Gupta	EE	CSE
7	B13305	Ashwin Kumar A	ME	CSE
8	B13312	Himanshu Singal	ME	CSE
9	B13318	Mukarram Tailor	ME	CSE
10	B13327	Rishabh Narang	ME	CSE
11	B13334	Sparsh Saurabh	ME	CSE
12	B13339	Vishwamangal	ME	CSE
13	B13126	Manish Kumar Meena	CSE	EE
14	B13132	Pushpendra Kumar Meena	CSE	EE
15	B13325	Raspreet Singh	ME	EE

16	B13319	Nikhil Kaushik	ME	EE
17	B13321	Onkar Singh	ME	EE
18	B13328	S V Jyothir Aditya	ME	EE

- **Report on Imposing Academic Warning/Probation/Termination on the B.Tech. students.**

For Odd Semester 2014 (Feb-June, 2014)

Sl.No.	Roll No.	Name	Branch	Action
1	B10059	Jitesh Meghwal	EE	Warning
2	B10114	Hrushikesh Singh Alda	ME	Warning
3	B12085	Peram Akhil	EE	Probation
4	B13216	Munindar Kumar Meena	EE	Termination*
5	B11061	Abhinav Singh	EE	Termination*

*Mercy Plea accepted following termination

For Even Semester 2014 (Aug-Dec, 2014)

Sl.No.	Roll No.	Name	Branch	Action
1	B11038	Vaishali	CSE	Warning
2	B13105	Ajay Kumar Moena	CSE	Warning
3	B14222	Nitesh Kumar	EE	Warning
4	B14108	Devarakonda Vamsi Krishna	CSE	Academic Probation
5	B14317	Katara Vimalkumar Dilipbhai	ME	Academic Probation

- **Report on granting of MCM scholarship from inter-se-branch quota to B.Tech. students (General/OBC).**

The following policy is adopted to grant MCM scholarship to B.Tech. students (General/OBC) on Inter-se-Branch quota i.e.

'In case there are vacancies in a branch and there are no wait-listed candidates belonging to that branch and year, then a combined merit list will be prepared of all wait-listed candidates of that year and the remaining scholarships will be distributed accordingly.'

- **Report on granting of GATE scholarship to M.Tech. students:**

On the recommendation of Board of Academics (BoA), the Director approved granting of GATE scholarship of Rs. 8000/- per month *tenable for a maximum period of 24 months)*to the M.Tech. stduents(having valid GATE score at the time

of admission in the Institute. The beneficiary students of GATE scholarship are required to provide assistance of 8 hours / week in the institute.

- **Report on introduction of Vacation (Summer/Winter) Term.**

IIT Mandi introduced vacation terms from Winter 2014 onwards. Vacation courses will be offered based on need and approved by Dean (Academics). The School Chairperson will propose the name of the faculty member (with expertise in the course area), who will teach the course with the concurrence of the faculty member. Offering of these courses in the vacation term will require the final approval of Dean (Academics).

Suitable remuneration will be paid to the faculty members, as decided from time to time.

- **To report conversion of TU grades to IIT Mandi equivalent grades.**

The Chairman, Senate approved the conversion of TU Grades to IIT Mandi Grades as under:

TU Grades	Category / Interpretation	IIT Mandi Letter Grades
1.0-1.5	Very Good	O
1.6-2.5	Good	A
2.6-3.5	Satisfactory	B
3.6-4.0	Sufficient	C
4.1-5.0	Fail	F

The conversion formula 01 IIT Mandi Credit = 1.5 ECTS is approved by IIT Mandi and is used for grade computation purposes for those IIT Mandi students who go on semester exchange to foreign institutions where the ECTS system is followed. The credits of each course will be converted and then rounded off to a single decimal point using a 0.05 threshold rule.

- **Curriculum Degree Requirements of the 2011 Batch of B.Tech students: (Reporting Item presented by Assoc. Dean(Courses))**

Since the new B. Tech curriculum of IIT Mandi was introduced only in 2012, the basket-wise credit requirements for earlier batches of students (that is, students joined in the year 2009, 2010 and 2011) for their graduation had to be defined separately taking into considerations the actual courses that were taken by these students. The broad curriculum structure and objectives, however, are the same in all cases.

The basket-wise requirements for the B.Tech batches of 2009, 2010 and 2011 have

been prepared by Associate Dean (Courses) & Dean(Academics) in consultation with the respective faculty advisors. Based on the recommendations, Chairman Senate had approved these basket-wise credit requirements for the batches of students joined in 2009, 2010 and 2011 on behalf of the Senate. The details of these are reported to the Senate and are given in Annexure B.

The meeting ended with a vote of thanks to and by the Chair.
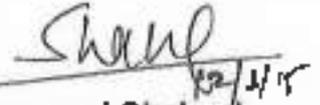
Mohammad Shakeel
Secretary, Senate

Chairman, Senate