बत्तीसवीं सिनेट बैठक का कार्यवृत्त

MINUTES OF THE 32nd SENATE MEETING OF IIT MANDI

22nd SEPTEMBER, 2021

Indian
Institute of
Technology
Mandi

भारतीय प्रौद्योगिकी संस्थान मण्डी
कमांद— 175075, हिमाचल प्रदेश

INDIAN INSTITUTE OF TECHNOLOGY MANDI

KAMAND – 175075, HIMACHAL PRADESH

INDIAN INSTITUTE OF TECHNOLOGY MANDI
KAMAND, HIMACHAL PRADESH

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INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 32nd Senate Meeting of IIT Mandi held on 22nd September, 2021 at 04:00 PM in A1 NKN Room, IIT Mandi, Kamand.

The following were present:

In the Chair

Prof. Ajit K. Chaturvedi, Director, IIT Mandi

Members:

Prof. Rowena Robinson, Deptt. of HSS, IIT Bombay
Prof. Tarun Kant, Visiting Distinguished Professor, SE, IIT Mandi
Prof. S. C. Jain, Emeritus Professor, SE , IIT Mandi
Prof. Subrata Ghosh, Professor, SBS, IIT Mandi
Prof. Prem Felix Siril, Professor, SBS, Dean (Faculty) & Associate Dean (Faculty), IIT Mandi
Prof. Suman Kalyan Pal, Professor & Chairperson (SBS), IIT Mandi
Prof. Chayan K. Nandi, Professor, SBS, & Associate Dean (Research), IIT Mandi
Prof. Pradeep C. Parameswaran, Professor, SBS, IIT Mandi
Prof. Bharat Singh Rajpurohit, Professor, SCEE & Dean (I&S), IIT Mandi
Prof. Satinder K. Sharma, Professor, SCEE & Co-ordinator, C4DFED, IIT Mandi
Prof. Rajeev Kumar, Professor, SE, IIT Mandi
Prof. Rahul Vaish, Professor, SE & Dean (Academics), IIT Mandi
Dr. Vishal Singh Chauhan, Dean (F & A), IIT Mandi
Dr. Venkata Krishnan, Dean (SRIC & IR), IIT Mandi
Dr. Manoj Thakur, Dean (Students), IIT Mandi
Dr. Samar, Chairperson, SCEE, IIT Mandi
Dr. Viswanath Balakrishnan, Chairperson, SE, IIT Mandi
Dr. Shyamasree Dasgupta, Chairperson, SHSS, IIT Mandi
Dr. Prosenjit Mondal, Co-ordinator, BioX Centre, IIT Mandi
Dr. Rik Rani Koner, Co-ordinator, AMRC, IIT Mandi
Dr. Srikant Srinivasan, Associate Professor, SCEE, IIT Mandi
Dr. Aditi Halder, Associate Professor, SBS, IIT Mandi
Dr. Sunny Zafar, Assistant Professor, SE, & Chief Warden, IIT Mandi
Dr. Qaiser Jahan, Assistant Professor, SBS, IIT Mandi
Dr. Gopi Shrikanth Reddy, Assistant Professor, SCEE, IIT Mandi
Dr. Rajeshwari Dutt, Chair, Library Advisory Committee (LAC), IIT Mandi
Mr. Naresh Singh Bhandari, Deputy Librarian, IIT Mandi
Dr. Nadeem Akhtar, M/s Arista Networks
Shri K. K. Bajre, Registrar & Secretary-Senate, IIT Mandi

Invitees:

Dr. Arnav Bhavsar, Associate Dean (SRIC), IIT Mandi
Dr. Kaustav Sarkar, Associate Dean (Infrastructure), IIT Mandi
Dr. Devika Sethi, Associate Dean (International Relations), IIT Mandi
Dr. Kala V. Uday, Chair, CPC, IIT Mandi
Dr. Syed Abbas, Associate Professor, SBS, IIT Mandi
Dr. Dileep A. D., Associate Professor, SCEE, IIT Mandi
Dr. Ajay Soni, Associate Professor, SBS, IIT Mandi

Dr. Varun Dutt, Associate Professor, SCEE & SHSS, IIT Mandi
Dr. Padmanabhan Rajan, Associate Professor, SCEE, IIT Mandi
Dr. Arpan Gupta, Associate Professor, SE, IIT Mandi
Dr. Hitesh Shrimali, Associate Professor, SCEE, IIT Mandi
Dr. Shubhajit Roy Chowdhury, Associate Professor, SCEE, IIT Mandi
Dr. C. S. Yadav, Associate Professor, SBS, IIT Mandi
Dr. Ramna Thakur, Associate Professor, SHSS, IIT Mandi
Dr. Deepak Swami, Associate Professor, SE, IIT Mandi
Dr. Muslim Malik, Associate Professor, SBS, IIT Mandi
Dr. Tulika Srivastava, Associate Professor, SBS, IIT Mandi
Dr. Atul Dhar, Associate Professor, SE, IIT Mandi
Dr. Rajanish Giri, Associate Professor, SBS, IIT Mandi
Dr. Shyam Kumar Masakapalli, Associate Professor, SBS, IIT Mandi
Dr. Tushar Jain, Associate Professor, SCEE, IIT Mandi
Dr. Amit Prasad, Associate Professor, SBS, IIT Mandi
Dr. Pradeep Kumar, Associate Professor, SBS, IIT Mandi
Dr. Renu M. Rameshan, Assistant Professor, SCEE, IIT Mandi
Dr. Bhaskar Mondal, Assistant Professor, SBS, IIT Mandi
Dr. Narsa Reddy Tummuru, Assistant Professor, SCEE, IIT Mandi
Dr. Manas Thakur, Assistant Professor, SCEE, IIT Mandi
Dr. Adarsh Patel, Assistant Professor, SCEE, IIT Mandi
Dr. Ashutosh Kumar, Assistant Professor, SE, IIT Mandi
Dr. Trayambak Basak, Assistant Professor, SBS, IIT Mandi
Dr. Sayantan Sarkar, Assistant Professor, SE, IIT Mandi
Dr. Sandip Kumar Saha, Assistant Professor, SE, IIT Mandi
Dr. Neha Kaushik, Assistant Professor, SHSS, IIT Mandi
Dr. Garima Agrawal, Assistant Professor, SBS, IIT Mandi
Dr. Varunkumar Jayapaul, Assistant Professor, SCEE, IIT Mandi
Dr. Moumita Das, Assistant Professor, SCEE, IIT Mandi
Dr. Himanshu Misra, Assistant Professor, SCEE, IIT Mandi
Dr. Gaurav Bhutani, Assistant Professor, SE, IIT Mandi
Dr. Maheshreddy Gade, Assistant Professor, SE, IIT Mandi
Dr. Siddhartha Sarma, Assistant Professor, SCEE, IIT Mandi
Dr. Amit Balkrishna Pawar, Assistant Professor, SBS, IIT Mandi
Dr. Srinivasu Bodapati, Assitant Professor, SCEE, IIT Mandi
Dr. Baskar Bakthavachalu, Assistant Professor, SBS, IIT Mandi
Dr. Pratim Kundu, Assistant Professor, SCEE, IIT Mandi
Dr. Satyajit Thakor, Assistant Professor, SCEE, IIT Mandi
Dr. Prasad Kasturi, Assistant Professor, SBS, IIT Mandi
Dr. Srikanth Sugavanam, Assistant Professor, SCEE, IIT Mandi
Dr. Prateek Saxena, Visiting Assistant Professor, SE, IIT Mandi
Dr. Erwin Fuhrer, Visiting Assistant Professor, SCEE, IIT Mandi
Mr. Bhumanyu Goyal, Student Academic Affairs Secretary, IIT Mandi (Special Invitee)
Mr. Anirudh Singh, Student General Secretary, IIT Mandi (Special Invitee)
Mr. Adesh Singh, Student Research Affairs Secretary, IIT Mandi (Special Invitee)
Shri Vivek Tiwari, Assistant Registrar (Academics), IIT Mandi also attended the meeting.

Following Senate members/invitees could not attend the meeting due to prior commitments:

Prof. N. Sathyamurthy, Former Director, IISER Mohali & Hon. Prof., JNCASR, Bengaluru

Prof. Sunil R. Kale, Professor, Department of Mechanical Engineering, IIT Delhi
Prof. Ramesh Oruganti, Adjunct Professor, SCEE, IIT Mandi
Prof. Rajan Kapur, Adjunct Professor, SCEE, IIT Mandi
Prof. Subrata Ray, Distinguished Visiting Professor, SE, IIT Mandi
Prof. Yvonne Ditrrich, Adjunct Professor, SCEE, IIT Mandi
Prof. Ajit Padmakar Annachattre, Visiting Professor, SE, IIT Mandi
Prof. Ing. Balthasar Novak, Adjunct Professor, SE, IIT Mandi
Prof. Sumant Nigam, Visiting Distinguished Professor, SE, IIT Mandi
Dr. Puran Singh, Associate Professor, SHSS, IIT Mandi

The Chairman Senate extended a warm welcome to all the Senate members and Invitees attending the 32nd Senate meeting of the Institute.

Thereafter, following agenda items were taken up.

Item No. 32.1:   **To confirm the minutes of the 31st Senate meeting held on 10th June, 2021.**

The minutes of the 31st Senate meeting held on 10th June, 2021 were circulated to members of the Senate on 12th July, 2021 (through email) for comments. No comments were received on the minutes. Therefore, minutes of the 31st Senate meeting held on 10th June, 2021 were confirmed, as circulated.

Item No. 32.2:   **To receive a report on the actions taken for the decisions taken in the 31st Senate meeting held on 10th June, 2021.**

The Senate noted the actions on the decisions taken in its 31st meeting held on 10th June, 2021.

Item No. 32.3:   **To consider minimum performance in M.Tech./M.S. (by Research)/Ph.D/I-Ph.D etc. programmes for continuation of Assistantship/Fellowship/Scholarship.**

The Senate deliberated on the proposal and gave few suggestions. The revised comprehensive proposal be presented for consideration in subsequent meeting of the Senate.

Item No. 32.4:   **To consider modification in the degree requirement for Integrated Ph.D (Physics) programme.**

The PFG Chair for Integrated-Ph.D. (Physics) programme, presented the proposal regarding modification in the degree requirement for Integrated Ph.D (Physics) programme.

The Senate considered the I-PhD documents approved in the 10th Senate meeting held on 29th June 2016, and resolved the following:

i)   The students enrolled in the I-PhD (Physics) program, who joined upto 2019 need to complete the course work comprising total 89 credits with a minimum CGPA of 7.0 along with the thesis work to fulfill the requirements for the I-PhD program. For the 2020 batch onwards, the Program Faculty Group of I-PhD shall revisit the minimum CGPA requirement and submit revised proposal / comprehensive norms to the Senate. This

will supersede any previous clause regarding the credit and CGPA requirement for the program.

ii) The I-PhD students would be awarded a single transcript and two separate degrees i.e. (a) Master of Science in Physics, (b) Doctor of Philosophy.

The Senate also approved the format of the degree, as placed at **Annexure–A; Page No. 11 to 12.**

Item No. 32.5:   **To consider the proposal for calculation of Cumulative Grade Point Average (CGPA).**

Dr. Srikant Srinivasan, Associate Dean (Courses) presented the proposal for calculation of Cumulative Grade Point Average (CGPA). After detailed deliberation, the Senate resolved the following:

i) The final CGPA, calculated upon the completion of all credit requirements towards the fulfillment of a degree, shall include all credits earned against a letter grade, including those credits that are in excess of the minimum requirements.

ii) The provision shall be applicable to all programs (UG 2018 batch, PG 2020 batch and IPhD 2015 batch onwards), excluding M.S. (by Research) and Ph.D.

iii) The final CGPA calculation shall not include any 'F' grade once all the earned credit requirements are completed, (including the minimum credit requirement per basket such as IC/ DC/ DE/ FE/ ODE etc), in continuation of the existing provision.

iv) The Semester GPA calculation shall include 'F' grade, in continuation of the existing provision.

v) The intermediate CGPA calculation (i.e. CGPA calculated during the course of the program before completion) shall also include 'F' grade, except for those cases where the course has been successfully cleared in a subsequent attempt or has replaced by an equivalent course that has been successfully completed.

The Senate further resolved that a student should not be permitted to register for any additional semesters after the completion of the minimum requirements towards graduation.

Item No. 32.6:   **To consider the proposal of Double Major B.Tech. degree.**

On the recommendation of the Board of Academics, the Senate considered the proposal of Double Major B.Tech. degree presented by Dr. Gaurav Bhutani.

After detailed deliberation, the Senate resolved to approve the proposal, as placed at **Annexure – B; Page No. 13 to 18.**

Item No. 32.7: **To consider modification of the minimum requirements of HSS course credits in B.Tech. and Integrated Dual Degree (IDD) programmes.**

Dr. Tushar Jain presented the proposal regarding modification of the minimum requirements of HSS course credits in B.Tech. and Integrated Dual Degree (IDD) programmes.

   i) Reduce the 18 compulsory HSS course credits to 13 HSS course credits, with the rest of the 5 HSS course credits converted to 5 free elective credits.

   ii) Remove the HSS basket requirement to allow the student to take the required number of compulsory HSS course credits from any HSS baskets or HSS electives.

The Senate deliberated the first item and suggested a comparison of the percentage-wise HSS course credits requirements with other IITs, following which, this item may be reconsidered in the next Senate meeting.

The Senate resolved to approve the second subitem. Now the students can take the 18 HSS compulsory credits from any of the HSS course baskets or HSS electives. The provision would be applicable to all B.Tech./ IDD students from the 2018 batch onwards.

Item No. 32.8: **To consider proposal on resolving the issue of registration of IC142 as a 4 credit course by B.Tech. (2018-22) batch.**

Dr. Shubhajit Roy Chowdhury, Chairperson of the Committee presented the proposal on resolving the issue of registration of IC142 as a 4 credit course – instead of a 3-credit course – by B.Tech. (2018-22) batch. After brief discussion, the Senate resolved the following:

"The students of the B.Tech. (2018-22) batch be given a waiver of 1 credit in the basket of free electives, which means they would be required to complete 21 credits instead of 22 credits of free electives for completion of degree."

Item No. 32.9: **To consider modification in the IC Engineering basket for students of B.Tech. in Engineering Physics.**

Dr. Pradeep Kumar, Programme Coordinator for B.Tech. in Engineering Physics presented the proposal regarding modification in the IC Engineering basket for students of B.Tech. in Engineering Physics. As per the Senate approved guidelines, a student is required to take atleast one course from each of the IC baskets (Science I, Science II and Engineering). Currently, Engineering Physics (EP) students have to compulsorily take 'Measurement and Instrumentation' course from the Engineering basket.

After a brief discussion, the Senate resolved to remove the compulsory requirement of 'Measurement and Instrumentation' course. Thus, an EP student would be free to take any course from the Engineering basket.

Item No. 32.10:   **To consider the proposal for modification in Branch Change rules for UG programme.**

Dr. Arpan Gupta, Associate Professor, School of Engineering presented a proposal regarding modifications in the Branch Change rules for UG programmes. After detailed deliberation, the Senate resolved the following:

i) To be considered for a branch change, a student needs to submit the application before the end of the second semester of the programme, with choices in order of preference, of the branch or branches desired to be changed to.

ii) Branch change applications will be considered strictly in order of merit as established by the CGPA of first-year courses (excluding HSS elective) to the extent of the applicant's choices in the order of the preference. If a seat opens up at any later stage in the process, it be offered to the applicant with the highest CGPA by going back up the list.

iii) In granting the change of branch of a student, the strength of a branch / class shall not exceed the sanctioned strength by more than 25% and shall not fall below the existing strength by more than 20%. (Any fraction will be rounded off to the nearest whole number).

iv) The student should have no backlog and should not have been found guilty of any severe academic or disciplinary misconduct.

v) During the branch change process, if any tie of CGPA scores, the affected students will be treated equally and will be jointly given the branch change subject to condition (iii) above.

vi) The above provision would be applicable for students admitted in 2021.

Item No. 32.11:   **To review the request of a B.Tech. 2020 batch student for Branch Change.**

Dr. Rajeev Kumar, Chairperson of the Branch Change Committee presented the request of a student to review the application of branch change. The student was earlier denied branch change due to being the 2nd ranking student in the original branch. However, the 1st ranking student had not applied for branch change.

It was noted by the Senate that although the written rules of branch change are clear on this matter, there is a precedence when a top-ranking student of the branch did not apply for the branch change, the 2nd ranking student *(the top ranker of the branch among the applicants)* was allowed the branch change.

After detailed deliberation, the Senate resolved to allow the appeal of the student for Branch Change.

Item No. 32.12: **To consider the proposal to start a new programme, M.Tech. in Electric Transportation.**

Dr. Narsa Reddy Tummuru, Programme Coordinator for M.Tech (PED) presented the proposal to start a new programme, M.Tech. in Electric Transportation.

After detailed deliberations, the Senate approved the proposal with minor modification, placed as **Annexure – C; Page No. 19 to 24**.

Item No. 32.13: **To consider award of Ph.D., I-Ph.D.(Physics), M.S. (by Research), M.Tech., M.Sc., M.A. and B.Tech degree.**

The 9th Convocation of the Institute will be organized in online mode. The Senate considered the students, who have fulfilled all the requirements for award of the degree during 9th Convocation as detailed below:

Programme	No. of students
Ph.D.	35
I-Ph.D.	01
M.S. (by Research)	13
M.Sc. in Chemistry	35
M.Sc. in Applied Mathematics	36
M.Sc. in Physics	28
M.Tech in Mechanical Engineering with Specialization in Energy Systems	19
M.Tech in Energy Engineering with Specialization in Materials	17
M.Tech in Structural Engineering	25
M.Tech in VLSI	27 +1 (2018 batch)
M.Tech in Power Electronics and Drives	15
M.Tech in Communication and Signal Processing	16
M.Tech in Biotechnology	16
M.A. in Development Studies	11
B.Tech in Civil Engineering	18
B.Tech in Computer Science and Engineering	58 + 1 (2016 batch) + 1 (2015 batch)
B.Tech in Electrical Engineering	43 + 1 (2015 batch)
B.Tech in Mechanical Engineering	24
Total	**441**

The complete list of students qualified for various degrees are placed as **Annexure-D; Page No. 25 to 42**. The Senate approved award of degree to these students and congratulated them on successful completion of the degree programme.

Further, the Senate authorized the Chairman, Senate to approve the conferment of degree on those students who complete all requirements before ten days of commencement of the 9th Convocation.

The Senate also decided to hold a suitable function at the Institute to host the graduands for a re-union. This function may be organized as and when the pandemic situation improves considering the aspirations of the graduands.

Item No. 32.14:   **To consider the award of Medals and Prizes to the winners among the graduands, which are to be awarded during the 9th Convocation of the Institute.**

The Chairperson of the Awards and Prizes Committee presented the award of Medals and Prizes to the following winners among the graduands:

Sl.No.	Roll No.	Name	Medal/Prize
1.	B17138	Rishi Sharma	President of India Gold Medal
2.	B17138	Rishi Sharma	Institute Silver Medal: B.Tech. Computer Science & Engineering
3.	B17011	Divanshu Gupta	Institute Silver Medal: B.Tech. Electrical Engineering
4.	B17142	Shreya Prakash Lanjewar	Institute Silver Medal: B.Tech. Mechanical Engineering
5.	B17022	Sanjeev Singh Yadav	Institute Silver Medal: B.Tech. Civil Engineering
6.	B17036	Arnav Prasad	Director's Gold Medal
7.	B17092	Manvi Gupta	Rani Gonsalves Memorial Medal
8.	V19006	Khushboo Varshney	Institute Silver Medal: M.Sc. (Chemistry)
9.	V19050	Vinit	Institute Silver Medal: M.Sc. (Physics)
10.	V19097	Priya	Institute Silver Medal: M.Sc. (Applied Mathematics)
11.	T19038	Shubham Dutt Attri	Institute Silver Medal: M.Tech. in Mechanical Engineering with Specialization in Energy System
12.	T19027	Ajay Kumar	Institute Silver Medal: M.Tech. in Structural Engineering
13.	T19142	Kumari Suravi	Institute Silver Medal: M.Tech. in VLSI
14.	T19202	Giredhar Muthiah	Outstanding Academic Achievement Award: M.Tech. in Biotechnology
15.	T19165	Tirthashree	Outstanding Academic Achievement Award: M.Tech. in Communication and Signal Processing
16.	T19133	Pranav Kumar Jha	Outstanding Academic Achievement Award: M.Tech. Power Electronics and Drives
17.	T19054	Anupam Nigam	Outstanding Academic Achievement Award: M.Tech. Energy Engineering with Specialization in Materials
18.	A19011	Yash Agarwal	Outstanding Academic Achievement Award: M.A. in Development Studies

The Senate approved the list and congratulated all the students mentioned above in various streams for achieving the awards and prizes.

Item No. 32.15:   **Any other agenda item with the permission of the Chairman, Senate.**

a) Prof. Chayan K Nandi, Associate Dean (Research) presented the change in Degree formats for various academic programmes and format of the Scroll. After brief discussion, the Senate resolved to approve the formats, enclosed as **Annexure – E; Page No. 43 to 45**.

b) During the discussions, Academic Secretary requested to reconsider the relaxed attendance criteria due to COVID-19 pandemic. After discussions, the Senate resolved to continue the relaxed attendance criteria for online teaching, as decided earlier.

Item No. 32.16:   **To report decisions/action taken by the Chairman, Senate.**

The Senate noted the decisions taken by the Chairman, Senate on behalf of the Senate, as given in the agenda.

Item No. 32.17:   **New courses approved by the BoA in the 41st meeting held on 13th August, 2021.**

The Senate noted the new courses approved by the BoA in the 41st meeting held on 13th August, 2021, as given in the agenda.

Item No. 32.18:   **Issues to be discussed by the Senate without Student Members being present.**

None.

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

Registrar & Secretary-Senate

Chairman, Senate 15/10/21