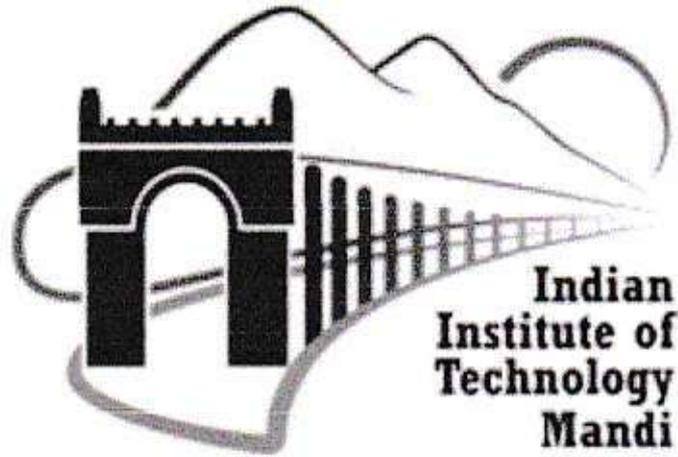


सत्रहवीं सिनेट बैठक का कार्यवृत्त

**MINUTES OF THE 17th SENATE MEETING OF
IIT MANDI**

31st August, 2018



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**



17th SENATE MEETING OF IIT MANDI

31st August, 2018

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INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 17th Senate Meeting of IIT Mandi held on 31st August, 2018 in 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. Ramesh Oruganti, Emeritus Professor, SCEE, IIT Mandi
Prof. Deepak Khemani, Professor (on deputation), SCEE, IIT Mandi
Prof. N. Sathyamurthy, Former Director, IISER Mohali & Honorary Professor, JNCASR, Bengaluru (Attended the meeting through NKN)
Prof. Rowena Robinson, Dept. of HSS, IIT Bombay (Attended the meeting through NKN)
Dr. Prem Felix Siril, Dean (SRIC), IIT Mandi
Dr. Pradeep Parameswaran, Dean (Academics) & Associate Dean (Course), IIT Mandi
Dr. Suman Kalyan Pal, Dean (Students), IIT Mandi
Dr. Subrata Ghosh, In-charge Dean (F&A), IIT Mandi
Dr. Bharat Singh Rajpurohit, Chairperson, SCEE, IIT Mandi
Dr. Rajeev Kumar, Chairperson, SE, IIT Mandi
Dr. Syed Abbas, Chairperson, SBS, IIT Mandi
Dr. Puran Singh attended the meeting on behalf of Dr. Rajeshwari Dutt, Chairperson, SHSS, IIT Mandi
Dr. Chayan Kanti Nandi, Chair CPC, IIT Mandi
Dr. Varun Dutt, Associate Dean (International Relations), IIT Mandi
Dr. Samar Agnihotri, Associate Dean(SRIC), IIT Mandi
Dr. Astrid Kiehn, Chair, Library Advisory Committee (LAC), IIT Mandi
Mr. Naresh Singh Bhandari, Deputy Librarian, IIT Mandi (in absence of Librarian)
Dr. Satinder K. Sharma, Co-ordinator , C4FED, IIT Mandi
Dr. Rajendra Kumar Ray, SAP Chair, IIT Mandi
Dr. Arpan Gupta, CIG- ME, IIT Mandi
Dr. Aniruddha Chakraborty, Coordinator CIG-M.Sc. (Chemistry), IIT Mandi
Dr. Atul Dhar, Coordinator CIG – M.Tech. (Energy Engineering), IIT Mandi
Dr. Manoj Thakur, Assistant Professor, SBS, IIT Mandi
Dr. Shyam Kumar Masakapalli, Assistant Professor, SBS, IIT Mandi
Dr. Devika Sethi, Assistant Professor, SHSS, IIT Mandi
Dr. Suman Sigroha, Assistant Professor, SHSS, IIT Mandi
Mr. Ashish Tiwari, Student Research Affairs Secretary, IIT Mandi
Mr. Param Prabhakar Kashyap, Student General Secretary, IIT Mandi
Mr. Abhishek, Student Academic Affairs Secretary, IIT Mandi
Mr. J. R. Sharma, Registrar I/c & Secretary, Senate, IIT Mandi

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

Prof. B. D. Chaudhary, Dean (Faculty) & Emeritus Professor, SCEE, IIT Mandi
Prof. S. C. Jain, Dean (I&S), IIT Mandi
Prof. Kenneth E. Gonsalves, Distinguished Visiting Professor, SBS, IIT Mandi
Prof. Subrata Ray, Distinguished Visiting Professor, SE, IIT Mandi
Prof. Bhavender Paul Sharma, Adjunct Professor, SHSS, IIT Mandi
Prof. Sunil R. Kale, Professor, Department of Mechanical Engineering, IIT Delhi
Dr. Viswanath Balakrishnan, Coordinator, AMRC & Asstt. Professor, SE, IIT Mandi
Dr. Tulika P. Srivastava, Associate Dean (Recruitment) and Co-ordinator, BioX & Associate Dean(Recruitment), IIT Mandi
Dr. A. K. Sao, Associate Dean (Course) and Coordinator CIG- M.Tech. Comm. & Signal Processing, IIT Mandi
Dr. Rahul Vaish, Associate Dean (Research) & Associate Professor, SE, IIT Mandi
Dr. Vishal Singh Chauhan, Associate Dean (F & A), IIT Mandi
Dr. Deepak Swami, CIG- CE, IIT Mandi
Dr. Hari Verma, Coordinator CIG-I-PhD (Physics), IIT Mandi
Dr. Jaspreet Kaur Randhawa, Coordinator CIG- M.Tech. (Energy Materials), IIT Mandi
Dr. Dileep A. D., CIG- CSE, IIT Mandi
Dr. C. S. Yadav, Chief Warden, IIT Mandi
Dr. Kaustav Sarkar, Assistant Professor, SE, IIT Mandi

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

Dr. Mohammad Talha, Assistant Professor, SE
Dr. P. Anil Kishan, Assistant Professor, SE
Dr. Muslim Malik, Assistant Professor, SBS
Dr. Shubhjit Roy Chowdhury, Coordinator, CIG-EE & Assistant Professor, SCEE
Dr. Rajanish Giri, Assistant Professor, SBS
Shri Suresh Kumar Rohilla, Assistant Registrar (Academics)

The Chairman Senate extended a warm welcome to all the Senate members and Special Invitees for attending the 17th Senate meeting of the Institute with special thanks to Prof. N. Sathyamurthy, Former Director, IISER Mohali and Honorary Professor, JNCASR, Bengaluru and Prof. Rowena Robinson, Department of Humanities and Social Sciences, IIT Bombay, member of the Senate for sparing their time in a very busy schedule.

Then the agenda items were taken up.

Item No. 17.1: To confirm the minutes of the 16th Senate meeting held on 26th April, 2018.

The Senate confirmed the minutes of its 16th meeting held on 26th April, 2018.

Item No. 17.2: To receive a Report on the actions taken to implement the decisions of the 16th Senate meeting held on 26th April, 2018.

The Senate noted the action taken on implementation of decisions taken in its 16th meeting held on 26th April, 2018.

Item No. 17.3: To consider the approval for courses recommended by the Course Proposal Committee (CPC) and Board of Academics (BoA) of the Institute.

The Board of Academics, in its 25th meetings held on 31.07.2018, recommended the following four courses for consideration by the Senate for its approval. The Chairperson, CPC presented these course proposals for the approval of the Senate.

Sl. No.	Course No.	Course Name	Credits	Proposed by	School
1	HS 510	Essentials of Entrepreneurship	3-0-0-3	Dr. Puran Singh	SHSS
2	HS 551	Financial Management	3-0-0-3	Dr. Puran Singh	SHSS
3	EE624P	Dissertation Part-I	0-0-16-08	Dr. Narsa Reddy Tummuru	SCEE
4	EE625P	Dissertation Part-II	0-0-34-17	Dr. Narsa Reddy Tummuru	SCEE

The Senate considered/deliberated the recommended proposals. After deliberations, the Senate approved the following two courses with minor modifications. The final descriptions of these courses are enclosed as **Annexure-A; Page No. 6 to 9.**

Sl. No	Course No.	Course Name	Credits	Faculty	School
1	HS 510	Essentials of Entrepreneurship	3-0-0-3	Dr. Puran Singh	SHSS
2	HS 551	Financial Management	3-0-0-3	Dr. Puran Singh	SHSS

Regarding the courses EE 624P and EE 625P:

Sl. No	Course No.	Course Name	Credits	Faculty	School
1	EE 624P	Dissertation Part-I	0-0-16-08	Dr. Narsa Reddy Tummuru	SCEE

2	EE 625P	Dissertation Part-II	0-0-34-17	Dr. Narsa Reddy Tummuru	SCEE
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Some Senate members enquired if these two courses can be clubbed into a single course running over two semesters. Senate was told that a Committee has already been appointed by Board of Academics (BOA) to look into the matters related to the course codes and names of such practicum/practical courses. After deliberations, the Senate recommended to defer the approval of these two course proposals with a suggestion to the above mentioned committee to explore the feasibility of clubbing such project courses of Masters programmes into a single course running over two consecutive semesters, which is periodically evaluated and the final credit/grade is awarded and mentioned in the final semester grade sheet. The Senate also requested the Committee to recommend if the level of such courses can be 500 level instead of 600 level.

Item No. 17.4: To deliberate on addition of courses in Minor basket of Intelligent Systems:

On the recommendation of Board of Academics, the Senate considered the proposal on addition of the following courses into the existing minor basket of Intelligent Systems. The Senate approved the proposal in principle, however, suggested that the school need to check the pre-requisites of the courses proposed in this minor basket. If the pre-requisites are not allowing students from other disciplines to opt certain courses in the minor basket, such courses need to be removed from the basket. Also a statistical analysis on how many students opted this minor so far need to be performed.

Sl. No.	Course No.	Course Name	Credits
1	CS660	Data Mining for Decision-making	3-0-0-3
2	EE511	Computer Vision	3-1-0-4
3	CS671	Deep Learning and Applications	3-0-2-4
4	CS670	Kernel Methods for Pattern Analysis	3-1-0-4
5	EE608	Digital Image Processing	3-0-2-4

Item No. 17.5: To deliberate on the replacement of some IC Courses with a series of courses on Data Science for B. Tech. Students.

Dr. Padmanabhan Rajan submitted a proposal to replace IC150, IC150P (Computation for Engineers + lab), IC250 (Data Structures and Programming Practicum) and IC210 (Probability and Random Processes) courses of B.Tech curriculum with a series of courses

on Data Science for undergraduate students. These courses, in a sequence, will introduce programming, introductory machine learning and the application of statistical models to draw conclusions from data. The language of implementation will be Python. Several discussions with faculty members from SBS, SE and SCEE had preceded the design of these courses. The course contents of the first course in the series, IC-152 Computing and Data Science was presented for Senate's approval.

After deliberations, the Senate approved the whole proposal and the approved course description of IC 152 is enclosed as **Annexure – B; Page No. 10 to 11.**

Item No. 17.6: Additional agenda items with the permission of the Chairman, Senate.

None.

Item No. 17.7: To report decisions / action taken by the Chairman of the Senate on behalf of the 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



Registrar I/c & Secretary, Senate