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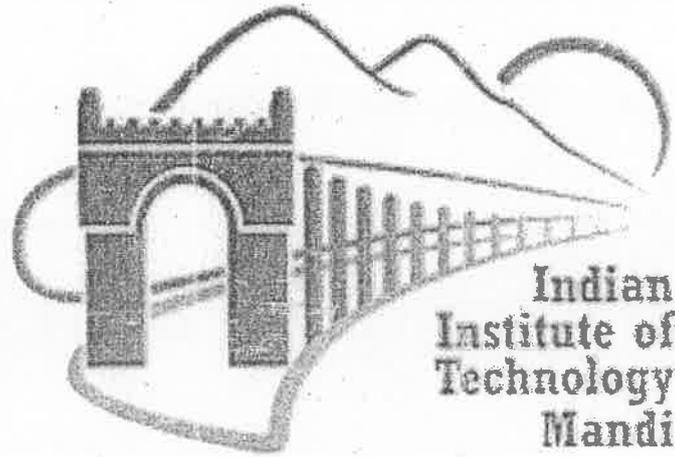
MINUTES OF THE THIRD MEETING OF THE ADHOC SENATE OF IIT MANDI

14th NOVEMBER, 2012

Indian
Institute of
Technology
Mandi

भारतीय प्रौद्योगिकी संस्थान मण्डी
मण्डी – 175001, हिमाचल प्रदेश

Indian Institute of Technology Mandi
Mandi – 175001, Himachal Pradesh

INDIAN INSTITUTE OF TECHNOLOGY MANDI
MANDI, HIMACHAL PRADESH

Indian
Institute of
Technology
Mandi

3RD AD-HOC SENATE MEETING OF IIT MANDI

14TH NOVEMBER, 2012

Items

INDIAN INSTITUTE OF TECHNOLOGY MANDI

Minutes of the 3rd Ad-hoc Senate Meeting of the Institution of IIT Mandi held on 14th November, 2012 at Kamand campus

The following were present:

In the Chair
Prof. Timothy A. Gonsalves, Director, IIT Mandi

Members
Prof. B. Subramanian, Head, SHSS, IIT Mandi
Prof. Lalit Malhotra, Visiting Professor IIT Mandi
Dr. Sukumar Battacharya, Head, SCEE, IIT Mandi
Mr. Sanchit Khattry, Student General Secretary, IIT Mandi
Mr. Deepak Sharma, Student Academic Affairs Secretary, IIT Mandi
Dr. R.C.Sawhney, Registrar, IIT Mandi, Member Secretary

Following members attended the meeting through video conference:
Prof. B. K. Mishra, Dean (Planning) IIT Mandi
Prof. N. S. Narayanswamy, CSE, IIT Madras
Prof. Anil Prabhakar, EE, IIT Madras
Prof. Babu Viswanathan, ME IIT Madras
Prof. P. C. Deshmukh, IIT Madras
Prof. Nitin Chandrachoodan, EE, IIT Madras

Following members could not attend the meeting:
Prof. Subrata Ray, Distinguished Visiting Professor, IIT-Mandi
Prof. Arghya Taraphder, SBS, IIT Mandi
Prof. D. K. Mehra, E&C, IIT Roorkee
Prof. Shormishtha Panja, English, Delhi University
Prof. Deepak Khemani, IIT Madras
Prof. Sunil Kale, ME, IIT-Delhi
Prof. Manoj Mishra, E&C, IIT-Roorkee
Prof. Hari Balakrishnan, CS, MIT (US)
Prof. S.P. Gupta, EE, IIT-Roorkee
Prof. Kalyanmoy Deb, ME, IIT-Kanpur
Prof. Tashi Nautiyal, Phy, IIT-Roorkee
Dr. Aalok Mishra, Phy, IIT-Roorkee
Dr. P.P. Thankachan, Chy, IIT-Roorkee
Prof. Amalendu Chandra, Chy, IIT Kanpur
Prof. R.C. Mittal, MA, IIT-Roorkee
Prof. Nauriyal, HSS, IIT-Roorkee
Prof. Mala Nath, Chy, IIT-Roorkee
Mr. Hemant Jalota, Student Research Affairs Secretary, IIT Mandi

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

1. Dr. Rajeev Kumar, Asst. Professor, SE
2. Dr. Chayan Kanti Nandi, Asst. Professor, SBS
3. Dr. Hari Varma, Asst. professor, SBS
4. Dr. Bindu Radhamany, Asst. Professor, SBS
5. Dr. Pradeep Parameswaran, Asst. Professor, SBS
6. Dr. Subrata Ghosh, Asst. Professor, SBS
7. Dr. Om Prakash Singh, Asst. Professor, SE
8. Dr. Arti Kashyap, Associate Professor, SBS
9. Dr. Suman Kalyan Pal, Asst. Professor, SBS
10. Dr. Varun Dutt, Asst. Professor, SCEE & SHSS
11. Dr. A. Chakraborty, Asst. Professor, SBS
12. Dr. Shail Shankar, Asst. Professor, SHSS
13. Dr. Sudhir Kumar Pandey, Visiting Asst. Professor, SE
14. Dr. P. C. Ravikumar, Asst. Professor, SBS
15. Dr. Rajendra Kumar Ray, Asst. Professor, SBS
16. Dr. Tulika Prakash Srivastava, Asst. Professor, SBS
17. Dr. Venkata Krishnan, Asst. Professor, SBS
18. Dr. Vishal Singh Chauhan, Asst. Professor, SE
19. Dr. A. K. Sao, Asst. Professor, SCEE

The Chairman extended a warm welcome to the members for making themselves available for IIT Senate meeting in person or through Video Conference. He highly appreciated efforts made by Execom Conveners in executing the decisions taken during the last Senate meeting.

Then the agenda points were taken up.

Item No. 3.1:   **To confirm the minutes of the 2nd Ad-hoc Senate meeting held on 23rd May, 2012**

The minutes of the 2nd Ad-hoc Senate meeting held on 23rd May 2012 at IIT Mandi were confirmed.

Item No. 3.2:   **To receive a Report on the action taken to implement the decisions of the 2nd Ad-hoc Senate meeting held on 23rd May, 2012.**

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

Item No. 3.3:   **To consider introduction of M.Sc/M.Tech programmes at IIT Mandi.**

Introduction of new M.Sc./M.Tech programmes at IIT Mandi was discussed. The five courses suggested were Energy Systems, Environmental and Civil Engineering, Materials Science, Nano

technology and Sustainable Systems. It was decided that only the courses which have a significant job prospectives may be started. Faculty members were asked to formulate the proposals and discuss in their respective Schools for consideration by the next Senate meeting.

Item No. 3.4: **To consider Bio-related research activities at IIT Mandi.**

The Senate discussed starting of biology related activities at IIT Mandi, especially in Systems and Synthetic Biology. It was decided that introduction of various biology related disciplines at IIT Mandi may be discussed in the next Senate meeting. The Senate also recommended for approval by BoG procurement of following equipment:-

Item	Cost
CO_2 incubator	400,000
Bacterial Incubator	400,000
UV laminar hood	400,000
Bacterial laminar hood	400,000
Autoclaving machine:	400,000
Refrigerator (-20, -80)	700,000
Refrigerated centrifuge (micro, tabletop, ultra)	3,000,000
Colorimetric assay (ELISA plate reader)	800,000
Real time PCR and PCR hot mix	3,000,000
HPLC	2,000,000
Millipore water system	800,000
Electrophoresis (PEG & Agarose)	300,000
Gel doc	200,000
Stackable shaker	500,000
UV-VIS-NIR spectrophotometer	2,500,000
Spectrofluorometer	4,000,000
DNA Synthesizer	2,000,000
Nanodrop	2,000,000
Fluorescence microscope/confocal microscope	Available
Pipettes	100,000
Filter unit	100,000
Western blot unit	100,000
Consumables	7,000,000
Peptide Synthesizer	4,000,000
DNA Sequencer	50,000,000
TOTAL	**85,100,000**

Item No. 3.5: **Additional agenda items with the permission of the Chair.**

Four new course proposals and four new minor proposals were taken up with the permission of the Chair.

New course proposals

1) CS 606 - Cognitive Modeling,
2) CS 203 - Discrete Structures,
3) HS 502 - Philosophy of Technology.

4) HS601- Research Methodology for the Humanities & Social Sciences

Senate discussed each of these courses in detail and approved the following three courses

1) CS606
2) CS 203 and
3) HS 502 in principle.

Appropriate suggestions were given to modify the contents of these courses. It was decided that the Chairman, Senate can approve these courses on behalf of the Senate, after incorporating the modifications suggested. In the case of HS 601, it was noted that there is already a Research Methodology course in proposal addressing students from all schools. Therefore, Senate was of the opinion that a separate Research Methodology course for HSS students is not necessary presently. In future such a course may be proposed when the institute grows bigger and more HSS research scholars are admitted.

After revisions, the course code of CS 606- Cognitive Modeling is changed to CS 506- Cognitive modeling. The modified course proposals of CS506, CS203, HS502 are approved by Chairman, Senate on behalf of Senate. The modified course syllabi are given in Appendix 1.

New minor proposals

The following four minor proposals were presented in the Senate for discussions and approval.

1) Minor in Mechanical Design
2) Minor in Thermo-fluid Systems
3) Minor in German Language
4) Minor in Machine Learning

The Senate discussed these minor proposals in detail and approved these proposals in principle. Appropriate suggestions were given by Senate to improve each proposal. It was decided that the minor proposals need to be resubmitted to the Chairman, Senate after incorporating the suggestions received from Senate. Chairman, Senate can approve these proposals on behalf of the Senate. After revision, the title of Minor in Machine Learning was changed to Minor in Intelligent Systems.

The modified Minor proposals are approved by Chairman, Senate on behalf of Senate. The modified course syllabi are given in Appendix 2.
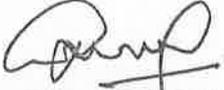
Item No. 3.6:   **To report decisions / action taken by Chairman, Senate.**

The position of following matters reported was noted:-

i)   Approval of the revised CGPA calculation as proposed by Execom (Courses).

ii)   Approval of B.Tech curriculum for the core courses recommended by Sub Committee and Execom (Courses).

iii)   Approval of 42 courses for B.Tech, MS and Ph.D recommended by Execom (Courses).

iv)   Approval of minor courses for B.Tech recommended by Execom (Courses).

v)   Approval of 10 elective new courses recommended by Execom (Courses).

The meeting ended with a vote of thanks to and by the Chair.
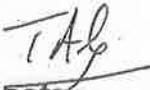
(Dr. R.C Sawhney)
Secretary, Senate

Chairman, Senate

Item No. 3.6: