INDIAN INSTITUTE OF TECHNOLOGY MANDI
KAMAND, DISTT. MANDI – 175005 (HIMACHAL PRADESH)

Indian
Institute of
Technology
Mandi

MINUTES OF 9TH BOARD OF ACADEMICS MEETING

VENUE   :   NKN CONFERENCE ROOMS (KAMAND & MANDI)

DATE   :   8TH OCTOBER, 2015 (THURSDAY)

TIME   :   4:00 P.M.

Following members attended the meeting

Sl.No.		Name	
1.	Dean Academics	Prof. B.D. Chaudhary	**Chairman**
2.	Associated Dean (Research)	Dr. Subrata Ghosh	Member
3.	Associated Dean (Courses)	Dr. Pradeep Parameswaran	Member
4.	Chairman Library Advisory Committee	Prof. B.D. Chaudhary	Member
5.	Chairman Course Proposal Committee	Dr. Bharat Singh Rajpurohit	Member
6.	Course Coordinator (B.Tech.- CSE)	Prof. B.D. Chaudhary	Member
7.	Course Coordinator (B.Tech.- EE)	Dr. Anil Kumar Sao	Member
8.	Course Coordinator (B.Tech.- ME)	Dr. Om Prakash Singh	Member
9.	Course Coordinator (B.Tech.- Civil)	Dr. Kala Venkata Uday	Member
10.	Course Coordinator (M.Tech. (Energy Materials))	Dr. Jaspreet Kaur Randhawa	Member
11.	Course Coordinator (M.Sc. (Chemistry))	Dr. Aniruddha Chakraborty	Member
12.	Nominee-1: School of Engineering	Dr. Anil Kishan	Member
13.	Nominee-1: School of Computing & Electrical Engineering	Dr. Padmanabhan	Member
14.	Nominee-2: School of Computing & Electrical Engineering	Dr. Bhakti Joshi	Member
15.	Nominee-1: School of Basic Sciences	Dr. Aditi Halder	Member
16.	Nominee-1: School of Humanities & Social Sciences	Dr. Manu Devadevan	Member
17.	Nominee-2: School of Humanities & Social Sciences	Dr. Suman	Member
18.	Academic Affairs Secretary : Student Member	Mr. Tushar Gupta	Member
19.	Assistant Registrar (Academics)	Mr. Vivek Tiwari	Secretary

Following members could not attend the meeting

Sl.No.		Name	
1.	Nominee: School of Engineering	Dr. Mohd. Talha	Member
2.	Nominee: School of Basic Sciences	Dr. Prasanth P. Jose	Member
3.	Research Affairs Secretary : Student Member	Mr. C. Thirumurugan	Member

PART-A
(Issues discussed by the BoA when the Student Members were present)

9.1 **Confirmation of Part-A minutes of the 8th meeting of Board of Academics:**
The Part-A minutes of the 8th meeting of Board of Academics held on 21st August, 2015 were confirmed.

9.2 **Action Taken Report**
The position of action taken on the matters as reported was noted.

- **Research Methodology course:** Dr. Padmanabhan presented the version of the course proposal finalized by the committee. BoA suggested that the proposal be sent to the schools for input and after incorporating the inputs from the schools, the same should be submitted to CPC for routine CPC approval process.

- For pending items, the concerned committees were requested to place their recommendations for consideration in a subsequent meeting.

9.3 **One time approval of the courses already taken by the graduating students**
Dr. Pradeep Parameswaran, Associate Dean (Courses) presented a list of the courses taken by the graduating students of 3rd Convocation for one time approval by the Senate. The list is given as Annexure-A. The board recommended it to the Senate for approval.

It was also suggested that, in future, only Senate approved courses need to be allowed to offer. Only under certain special circumstances, as judged by Dean (Academics), unapproved courses will be allowed to offer. Such courses need to be submitted by the proposer for CPC & other approval processes as soon as the start of the course.

9.4 **To consider award of Ph.D., MS (by Research) and B.Tech. degree on the registered students who have completed all the requirements of degree.**

The board recommended the following list to the Senate to consider award of the degree, on approval of the Board of Governors.

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

Sl. No.	Name & Roll No.	Date of Joining/ Date of Completion	Guide	Thesis Title
1	Jai Prakash Tripathi (D10005)	DoJ:19.10.2010 DoC:14.08.2015	Dr. Syed Abbas (Guide) Dr. Manoj Thakur (Co-guide)	Dynamical Analysis of Some Predator-Prey Models with Help and Refuge

b)   **Master of Science (M.S. (by Research))**

Sl. No.	Name & Roll. No.	School	Date of Joining/ Date of Completion	Guide/Co-guide	Thesis Title
1	Anshul Kumar Mishra (S11015)	SCEE	DoJ: 31.01.2012 DoC: 11.05.2015	Dr. Bharat Singh Rajpurohit	Design and Development of Induction Machine Drive for Performance Optimization
2	Aditya Chauhan (S12021)	SE	DoJ: 31.07.2012 DoC: 31.07.2015	Dr. Rahul Vaish	Stress-Mediated Tuning of Ferroelectric Properties in $0.68Pb (Mn_{1/3}Nb_{2/3})O_3$-$0.32PbTiO_3$ Single Crystals
3	Ankit Sharma (S12022)	SE	DoJ:31.07.2012 DoC:18.09.2015	Dr. Anil P Kishan/ Dr. Ankit Bansal (External)	Numerical Simulation of Radiation Losses in a Decaying Laser Spark Using LBL Method
4	Anmol Kothari (S12023)	SE	DoJ:31.07.2012 DoC:31.07.2015	Dr. Vishal Singh Chauhan (Guide) Dr. Rajeev Kumar (Co-Guide)	Effect of Strain Hardening Parameters on Deformation Induced Electromagnetic Radiation from Metals and Alloys
5	Deepak Kumar Sharma (S12027)	SCEE	DoJ:25.02.2013 DoC:18.06.2015	Dr. Satinder Kr. Sharma	High- k TiOxNy based MFIS Structure for Next Generation FeRAM Applications

c)   **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.	STUDENT NAME
1	B11001	ABHILASH
2	B11002	ABHINAVA MISHRA
3	B11003	ANIL KUMAR JHAJHARIA
4	B11004	ANJALY MEHLA
5	B11005	ANTIM PATEL
6	B11006	AOUNON KUMAR
7	B11007	ARJUN BHARDWAJ
8	B11008	AVINASH KUMAR CHAUDHARY

9	B11010	BHUPESH KUMAR
10	B11011	CHANDAN SATYARTHI
11	B11012	DARPAN SOLANKI
12	B11013	FATEHJEET SINGH SRA
13	B11014	JAYPRAKASH JANGID
14	B11015	KALLEM RAJASHEKAR REDDY
15	B11016	KHUSHPREET SINGH
16	B11017	KORRA VISHNU PRIYANKA
17	B11018	KORRAPATI VIKHYAT
18	B11020	MAKHIJANI NIDHI MANOJ
19	B11021	MD AFSAR REZA
20	B11023	MOHIT RAWAT
21	B11026	RISHABH SAHU
22	B11027	RITISH
23	B11028	ROHIT SHUKLA
24	B11029	SACHIN S BHAT
25	B11030	SACHIN TYAGI
26	B11031	SAHIL MUTNEJA
27	B11032	SAKET PANWAR
28	B11033	SAURABH JAIN
29	B11034	SHREEVARDHAN DAMANI
30	B11035	SHUBHAM AJMERA
31	B11036	SURENDRA ANURAGI
32	B11037	U SHIVATEJA REDDY
33	B11039	VINOD KUMAR
34	B11052	AKSHAY SHARMA
35	B11062	JAGMOHAN SINGH
36	B11063	JYOTI LAKRA
37	B11069	P NAGARJUNA
38	B11071	PRAKHAR AGARWAL
39	B11086	UMANG JAIN
40	B11102	ABHISHEK KUMAR
41	B11108	ANKIT SRIVASTAVA
42	B11118	CHINMAY KRISHNA
43	B11129	NISHANK KUMAR GUPTA
44	B11132	PRANAV KUMAR SINGH
45	B11136	SAMA GNANESHWAR REDDY
46	B11139	T BALA VINEETH NETHA

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

29 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.	STUDENT NAME
1	B11051	ABHINAV SINGH
2	B11053	ANKIT VERMA
3	B11054	APOORVA BHATIA
4	B11055	AZMI OMAIR EHSAN
5	B11057	DUSHYANT SINGH
6	B11058	EARE NEENA
7	B11059	GULSHAN PANCHOLI
8	B11060	HARKARAN SINGH
9	B11061	HEMANT CHAWLA
10	B11064	KAMAL KUMAR RAJ
11	B11065	KAPIL KUMAR DHAKER
12	B11066	MANISH LADLA
13	B11068	NAGARJUN NARAYAN
14	B11070	PRADEEP SEERVI
15	B11072	PRIYA AGARWAL
16	B11074	RAJ KUMAR
17	B11075	RAJIV RANJAN YADAV
18	B11076	RAVINDER KUMAR
19	B11077	ROHIT KANAUJIA
20	B11078	SAWAN KUMAR MEENA
21	B11079	SOURABH SINGH
22	B11080	SUHAIL HAMEED
23	B11081	SULEMAN ALAM
24	B11082	SURAMYA GUPTA
25	B11083	SYED JAFAR SHAHID RIZVI
26	B11084	TEJAS JAYANTILAL LUNAWAT
27	B11088	VIKAS KUMAR MEENA
28	B11009	BHAGWAN SAHAY MEENA
29	B11125	LALITESH KUMAR MEENA

e) **Bachelor of Technology (B.Tech.) in Mechanical Engineering**
30 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:

Sl. No.	Roll No.	STUDENT NAME
1	B11101	ABHAY CHOWDHARY
2	B11103	ABHISHEK KUMAR GUPTA
3	B11104	AJAY KUMAR
4	B11105	AMIT BHATI
5	B11107	ANKIT GUPTA
6	B11109	ANKIT YADAV
7	B11110	ANURAG RAWAT

8	B11111	ARPIT AJAY NARECHANIA
9	B11112	ASHISH KUMAR
10	B11113	ASHOK KUMAR CHOUDHARY
11	B11115	BARATAM CHAMUNDESWAR NADH
12	B11116	BHAVESH SILAWAT
13	B11117	BIJON KOWSHIK PAUL
14	B11119	HARSHIT SINGHAL
15	B11120	INGALE SWAPNIL SUSHIL
16	B11121	KALU RAM MEENA
17	B11122	KARPE MANDAR NITIN
18	B11123	KISHORE BOHARA
19	B11124	KUSHAL MUNDLE
20	B11126	MAHENDRA SINGH MEENA
21	B11127	MANO C
22	B11128	NAVNEET YADAV
23	B11131	PARADHI VINIT WAMANRAO
24	B11133	PRASHANT PRAZAPATI
25	B11134	RAHUL RAJ
26	B11135	SACHIN
27	B11137	SHIVAM ARORA
28	B11138	SHUBHAM
29	B11140	VARRA SIVA CHETAN REDDY
30	B11019	KSHITIZ SARASWAT

9.5   Course Proposal Committee (CPC) presentations
Dr. Bharat Singh Rajpurohit, Chairperson-CPC presented 27 courses for approval. These courses had completed all the CPC processes before submitting for BoA's approval. The courses were also circulated to the BoA members for their input through email. BoA recommended that the inputs received (if any) on the courses be incorporated and the final proposals be presented to Senate for approval.

9.6   Any other item with the permission of the Chair:
The Academic Secretary, Mr. Tushar Gupta conveyed to the BoA the comments/suggestions from student's on certain courses, requests to sequence certain courses in earlier semesters etc. BoA suggested Mr. Tushar to write-down these points and pass them on to the corresponding Course Coordinators. With course coordinators inputs, these points may be discussed in subsequent BoA as agenda item.

PART-B
(Issues discussed by the BoA without the Student Members being present)

9.1   Confirmation of Part-B minutes of the 8th meeting of Board of Academics:
The Part-B minutes of the 8th meeting of Board of Academics held on 21st August, 2015 were confirmed.

9.2   Action Taken Report:

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

- **Comprehensive exam for PhD scholars:** It was decided that the comprehensive examination pattern of all the schools shall be discussed in a meeting of the Chairpersons of the Schools, Dean (Academics), Associate Dean (Courses) & Associate Dean (Research) and based on the inputs received in that meeting, a consolidated recommendation be placed in the subsequent meeting of the board.

- **Role of NKN local coordinators:** Dr. Padmanabhan presented the final version. The board agreed to it and recommend the same to Chairman, Senate for approval.

- For pending items, the concerned committees were requested to place their recommendations for consideration in a subsequent meeting.

9.3   Any other item with the permission of the Chair:

Dr. Bhakti raised the point of designating a Lab Coordinator for certain IC course labs. BoA suggested that this point can be raised in the IC course interest group for consideration and inputs.

The meeting ended with a vote of thanks to and by the Chair at 5.30 pm.

The following are the courses taken by the 3rd batch of graduating B.Tech students (2015 October Convocation) of IIT Mandi for which there are some changes in Course Name or Course Code or credit structure from the Senate approved courses.

Sl. No.	Course Code (Credits in bracket)	Course Name	Semester in which this course was offered	Remarks	Faculty Name
1	CS-205(4)	Paradigms of Programming	S5 (Aug-Nov 2013)	Approved in convocation adhoc with 3 credits	Dr. Sukumar Bhattacharya
2	CS-203(3)	Discrete Mathematics	M.S./Ph.D.	Approved in 3rd adhoc meeting with course name Discrete Structures	Dr. Gagan Garg
3	EE-301P(1)	Control Systems Lab	S6(Feb-June 2014)	Approved in convocation adhoc with 2 credits	Dr. Anil K Sao
4	EE-604(3)	Advanced Electric Drives	M.S./Ph.D.	Approved in 2nd senate meeting with course no. EE-601	Dr. Bharat S Rajpurohit
5	EE-101P(2)	Basic Electrical & Electronics Lab	S2(Feb-June 2012)	Not approved	Dr. Arvind Jain
6	ME-601(4)	Finite Element Methods	M.S./Ph.D.	Approved in 2nd adhoc meeting with 3 credits	Dr. Rajeev Kumar
7	HS-151(3)	Advanced English	S2(Feb-June 2012)	Approved in 2nd adhoc meeting with course name Introduction to English Literature	Dr. Suman Sigroha
8	CY-101(3)	Chemistry Common Course	S1(Aug-Nov 2011)	Chemistry -1 is approved in convocation adhoc	Dr. Pradeep P, Dr. Chayan K Nandi
9	IC-250(3)	Data Structure and Algorithm + Lab	S3(Aug-Nov 2012)	Approved in 2nd adhoc meeting with course name Advanced data structure and algorithm	Dr. Arti Kashyap
10	IC-130P(2)	Applied Chemistry for Engineers Lab	S5 (Aug-Nov 2013)	Approved in 2nd adhoc meeting with course name Chemistry Practicum	Dr. Abhimanew Dhir, Dr. Rik, Dr. P.C. Ravikumar
11	MA-704(2)	Dynamical System	M.S./Ph.D.	Approved in 2nd adhoc meeting with 3 credits	Dr. Nitu Kumari

NOT APPROVED COURSES

Sl.No.	Course Code (Credits in bracket)	Course Name	Semester in which this course was offered	Faculty Name
1	CS-307(2)	System Practicum	S5 (Aug-Nov 2013)	Prof. T.A. Gonsalves
2	CS-309(4)	Information and Database Systems	S6(Feb-June 2014)	Dr. Arti Kashyap
3	CS-310(4)	Introduction to Communicating Distributed Processes	S6(Feb-June 2014)	Dr. Tricha Anjali
4	CS-403(4)	Algorithm Design and Analysis	S8(Feb-June 2015)	Dr. Padmanabhan Rajan
5	CS-580(4)	Advanced Data Structures and Algorithms	M.S./Ph.D.	Prof. N.S.Narayanaswamy
6	CS-201P(1)	Computer Organization Lab	S5 (Aug-Nov 2013)	Dr. Dileep A D , Dr. Anil K Sao
7	EE-311(3)	Device Electronics for Integrated Circuits	S7(Aug-Nov 2014)	Dr. Renu
8	EE-508(3)	Fundamentals of Electric Drives	S7(Aug-Nov 2014)	Dr. Bhakti Joshi
9	EE-509(3)	Advanced Control Systems	S8(Feb-June 2015)	Dr. Subashish Datta
10	EE-510(4)	Mathematical Methods for Signal Processing	S8(Feb-June 2015)	Dr. Renu M Rameshan
11	EE-511(4)	Computer Vision	S8(Feb-June 2015)	Dr. Renu M Rameshan
12	EE-304P(1)	Communication Theory Lab	S5 (Aug-Nov 2013)	Dr. Samar Agnihotri
13	ME-612(3)	Introduction to biomaterials	M.S./Ph.D.	Dr. Niraj Sinha
14	ME-613(4)	Radiative Heat Transfer	M.S./Ph.D.	Dr. Ankit Bansal
15	ME-311P(1)	Design Lab 1	S6(Feb-June 2014)	Dr. Vishal S Chauhan
16	ME-312P(1)	Design Lab II	S7(Aug-Nov 2014)	Dr. Vishal S Chauhan
17	CE-601(3)	Remote Sensing	S8(Feb-June 2015)	Dr. Dericks
18	CY-550(3)	Bioinspired Materials	S7(Aug-Nov 2014)	Dr. Venkata Krishnan
19	EM-604(4)	Energy: Environment Policy and Law	S8(Feb-June 2015)	Dr. Varun Dutt
20	MA-549(3)	Abstract Algebra	S7(Aug-Nov 2014)	Dr. Pratibha Garg
21	MA-551(3)	Numerical methods	S8(Feb-June 2015)	Dr. Muslim M
22	MA-552(3)	Number Theory	S8(Feb-June 2015)	Dr. Pratibha Garg
23	MA-553(3)	Mathematical Foundations of Financial Engineering	S8(Feb-June 2015)	Dr. Manoj Thakur
24	MA-652(3)	Stability Theory of Differential Equations	M.S./Ph.D.	Dr. Syed Abbas
25	PH-211(3)	The Physics Behind Computers	S4(Feb-June 2013)	Dr. Aniruddha C

NKN COURSES / IIT MADRAS COURSES

Sl.No.	Course Code (Credits in bracket)	Course Name	Semester in which this course was offered	Remarks	Faculty Name
1	CS-669(4)	Pattern Recognition	S5 (Aug-Nov 2013)	Approved in 3rd senate meeting with 3 credits	Dr. Hema Murthy NKN LC: Dr. Anil K Sao
2	EE-601(3)	Digital Systems Testing and Testable Designs	S5 (Aug-Nov 2013)	Approved in 2nd senate meeting with course name Advanced Electric Drives	Prof. V. Kamakoti via NKN LC: Dr. Satinder K Sharma
3	EE-102(3)	Introduction to Electronics	S2(Feb-June 2012)	One time approval in 2nd convocation adhoc with course name Fundamental of Electronics	Dr. Sanjeev Manhas NKN LC: Dr. Bharat S Rajpurohit
4	EE-308(3)	Solid State Devices	S6(Feb-June 2014)	Not approved	Prof. Nandita Das Gupta NKN :LC: Dr. Satinder K Sharma
5	ME-452(4)	Robotics and Control	S8(Feb-June 2015)	Not approved	Dr. P.M.Pathak NKN LC: Dr. Jaspreet Kaur
6	EC-544N(3)	Digital VLSI Circuit Design	M.S./Ph.D.	Not approved (IIT Roorkee)	Dr. Brajesh K Kaushik via NKN LC: Dr. Satinder K Sharma
7	EC-548(3)	Analog VLSI Design	M.S./Ph.D.	Not approved (IIT Roorkee)	Dr. S. Das Gupta NKN LC: Dr. Satinder K Sharma
8	ECT-631(3)	Analog and Mixed Signal Design	M.S./Ph.D.	Not approved (MNIT Jaipur)	Dr. Vineet Sahula NKN LC: Dr. Satinder K Sharma
9	CS6014(4)	Advanced Theory of Computation			
10	CS6030(4)	Mathematical Concepts for Computer Science			
11	CS3500(3)	Operating Systems			
12	CS5011(4)	Introduction to Machine Learning			
13	CS6250(4)	Memory Based Reasoning in Art.Int.			
14	CS6011(4)	Kernel Methods for Pattern Analysis			
15	CS6770(4)	Knowledge Representation & Reasoning			
16	CS6680(4)	Planning and Constraint Satisfaction			

17	CS6370(4)	Natural Language Processing			
18	HS3017(3)	Introduction to Linguistics			
19	BT6270(3)	Computational Neuroscience			
20	CS6230(4)	CAD for VLSI Systems			
21	HS4001(3)	Decision Modelling			
22	EE3002(4)	Analog Circuits			
23	CS3510(2)	Operating Systems Lab			

TU9 COURSES

Sl.No.	Course Code with credits	Course Name
1	MSE-2008/13#(3.3)	Alternative Vehicle Propulsion System
2	14SS-02736#(4)	Automotive Engineering II
3	MSE-2113/13#(3.3)	Automotive System Evaluation
4	MSE-2007/13#(4)	Dynamic of Machines II
5	MSE-2004/13#(4)	Internal Combustion Engines I
6	MSPSE-1106/13#(4)	Factory Planning
7	MSPSE-1102/13#(3.3)	Industrial Logistics
8	MSPSE-1105/13#(3.3)	Production Metrology
9	MSCAME-3404/12#(3.3)	Production Management A
10	MSPSE-1002/13#(3.3)	Production Management B
11	MW0085#(3.3)	Multidisciplinary Design Optimization
12	MW0884#(3.3)	Fundamentals of Nuclear Engineering
13	MW1364#(3.3)	Internal Combustion Engines
14	MW1580#(2)	Membrane Structure
15	SZ0304#(4)	German as a Foreign Language