

Minutes of the 5th Meeting of Board of Studies (BOS) Department of Energy Engineering 19th January 2023

The 5th meeting of the Board of Studies of the Department of Energy Engineering was held on 19th January 2023 at 12.00 noon in blended mode at the Department of Energy Engineering, Brambe, Ranchi.

The Head of the Department chaired the meeting. Following were present in the meeting:

Table with 3 columns: Sl. No., Name and Designation, and Role. It lists 13 attendees including Dr. D.B.Lata (Chairperson & Convener), Prof. S.K. Samdarshi, Dr. B.M. Jha, Dr. Sachin Kumar, Mr. P.S. Panja, Prof. H. P. Singh, Dr. G. P. Singh, Prof. Kalyan Chatarjee, Prof. S. Medhekar, Prof. A.K. Padhy, Prof. K.A. Subramanian, Dr. P.K. Manjhi, and Prof. Kaushal Kumar Srivastava.

Prof. K. K. Srivastava, Ex. Professor, Dept. of Mechanical Engineering, BIT, Mesra, Ranchi unable to attend the meeting.

Welcome and Introduction:

The Head of the Department welcomed the member of the Board of Studies and thanked them for attending the 5th meeting of Board of Studies. Then he introduced the members. Thereafter agenda was taken up.

Table with 2 columns: Item No. and Agenda Title. It contains three items: BoS/5/DEE/01 (confirming minutes), BoS/5/DEE/02 (action taken report), and BoS/5/DEE/03 (panel of examiners for PhD thesis evaluation). Each item includes a resolution.

Item 01 and 02 not reported

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- 1). Prof. M. A. Tawfik, Zagazig University, Egypt
- 2). Prof. Suchithra G Thangalazhy, University of Nottingham, Malaysia Campus
- 3). Prof. Kaustubha Mohanty, IIT Guwahati
- 4). Prof. J. L. Bhagoria, MANIT Bhopal
- 5). Prof. Anil Kumar, DTU Delhi
- 6). Dr. Nagesh K Tripathi, DRDO Gwalior
- 7). Prof. Rajesh Kumar Verma, HBTU Kanpur
- 8). Prof. Vinod Kumar Singh, NIT Raipur
- 9). Prof. Prakash R, VIT Vellore
- 10). Prof. Sujit Sen, NIT Rourkela

Panel of examiners for PhD thesis evaluation of Mr. Amit Kumar (2019 Batch):

1. Prof M. J. Sable, College of Engineering Pune
2. Prof. S.A. CHANNIWALA, NIT Surat
3. Prof. Ram Vinoy Sharma., NIT Jamshedpur
4. Dr. G. N. Kumar, National Institute of Technology Karnataka, Surathkal
5. Prof. AVINASH KUMAR AGRAWAL, IIT Kanpur
6. Prof. J. L. Bhagoria, MANIT Bhopal
7. Prof. Rajesh Kumar Verma, HBTU Kanpur
8. Prof. Anil Kumar, DTU Delhi
9. Prof. A. R. Dixit, IIT-ISM Dhanbad
10. Prof. R.K. Mishra, SMVDU, Katra

Panel of examiners for PhD thesis evaluation of Mr. Chakrapani Gandikoti (2019 Batch):

1. Prof. Kalyan Chatterjee, IIT-ISM, Dhanbad
2. Prf. R.C. Jha, BIT Deoghar
3. Dr. Kumari Namrata, NIT Jamshedpur
4. **Rajarshi Gupta**, Professor, Electrical Engineering Rashbehari Siksha Prangan, University of Calcutta, 92.
5. **Rajib Kumar Mandal**, Associate Professor, Electrical Engineering, NIT PATNA.
6. **Suman Bhowmick**, Professor, Electrical Engineering, Delhi Technological University (Delhi College of Engineering)
7. Dr. Subhojit Ghosh, Associate Professor, Dept. of Electrical Engg, NIT Raipur.
8. Dr. S. K. Parida, Assoc. Professor, Dept. of Electrical Engg, IIT Patna.
9. Dr. R. K. Behera, Assoc. Professor, Dept. of Electrical Engg, IIT Patna

List of examiners for the Thesis evaluation of Mr. Prashant Kumar (Reg. No. 19210201001)

1. Prof. Sudip Kumar Batabyal, Amrita Vishwa Vidyapeetham, Amritanagar, Coimbatore
2. Prof. Bhol Nath Pal, School of Materials Science and Technology, IIT BHU
3. Dr. Subhendu Kumar Panda, Academy of Scientific and Innovative Research (AcSIR), Karaikudi
4. Prof. Biplab Kumar Kuila, Institute of Science, Banaras Hindu University, Varanasi
5. Dr. Satyajit Sahu, Indian Institute of Technology Jodhpur
6. Dr. Arup Kumar Rath, CSIR-National Chemical Laboratory, Pune

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Resolution: The panel of examiner for thesis evaluation of the above student was noted and approved with following suggestion :

1. In future kindly provide thesis title of each of the research scholar for which examiner list is required to be considered.
2. Area of specialization of each examiner may also be provide for consideration.

BoS/5/DEE/04

To considered and approved Seat of M. Tech in Energy Engineering admission in the session 2023-24
 The Departmental Committee in its meeting held on 9.1.2023 has recommended that total 18 seat may be allotted for the admission in session 2023-24 in M.Tech in Energy Engineering (Minutes of the meeting is attached as Annexure 2).

Resolution: The BoS approved Seat of M. Tech in Energy Engineering admission in the session 2023-24.

BoS/5/DEE/05

To considered and approved Seat of Integrated (4 year B. Tech in Electrical Engineering and 2 year M. Tech in Electrical Engineering with specialization in Energy Engineering) admission in the session 2023-24
 The Departmental Committee in its meeting held on 9.1.2023 has recommended that total 30 seat may be allotted for the admission in session 2023-24 in Integrated (4 year B. Tech in Electrical Engineering and 2 year M.Tech in Electrical Engineering with specialization in Energy Engineering) (Minutes of the meeting is attached as Annexure 2). The intake of Integrated (4 year B. Tech in Electrical Engineering and 2 year M. Tech in Electrical Engineering with specialization in Energy Engineering) as per AICTE guidelines (10+2). Phy. Chem. Maths, as primary subject with 45% marks for General while 40% for Reserve Category.)

Resolution: The BoS approved Seat of Integrated (4 year B. Tech in Electrical Engineering and 2 year M. Tech in Electrical Engineering with specialization in Energy Engineering) admission in the session 2023-24.

BoS/5/DEE/06

To considered and approved Syllabus of Integrated B. Tech in Electrical Engineering and M. Tech in Electrical Engineering with specialization in Energy Engineering for the session 2022-23 batch
 The Departmental Committee in its meeting held on 9.1.2023 has approved the syllabus of Integrated B. Tech in Electrical Engineering and M.Tech in Electrical Engineering with specialization in Energy Engineering for the session 2022-23 batch (Annexure 3). The same is placed for consideration and approval please.
 Those students who have secured 75 % in 3rd year (B.Tech) or more and shows willingness to continue may get direct admission in M.Tech in Electrical Engineering with specialization to Energy Engineering.

Resolution: The BoS approved the same with following suggestion :

1. Hydrogen Energy and Fuel Cell and Energy Storage may be taught as elective paper.
2. Analogue & Digital Electronics may be taught as core paper in 3rd Semester
3. Advance Power Electronics and Drives may be taught as core paper in 4th Semester.
4. There is few repeated topic/contents in the syllabus should be removed from the syllabus.

BoS/5/DEE/07

To considered and approved Syllabus M. Tech in Energy Engineering
 Syllabus of M. Tech in Energy Engineering is placed at annexure 4 for consideration and approval please.

Resolution: The BoS approved the same with following suggestion :

1. Internet of Things and Artificial Intelligence may be taught as open elective in 3rd semester.

Not agreed with Bos/5/DEE/05
 [Signatures] bos/5/DEE/05 not agreed


- 2. Conventional Energy may be taught as elective paper in 2nd semester.
- 3. Two basic course may be include as per following details:
 - i. Bio Energy
 - ii. Nuclear Energy
 - iii. CleanTechnology

BoS / 5/ DEE/ 08	<p>To considered and approved Syllabus B. Tech in Electrical Engineering by considering Honors degree along with basic degree (As per AICTE guidelines) viz.</p> <p>B.Tech. (Hons.) Electrical Engineering with specialization in Zero emission Vehicle / Smart Grid/ Artificial Intelligence / Robotics/ Renewable Energy.</p>
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Resolution: The BoS approved the same.


BoS/5/DEE/10:	Any other matter.
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Resolution: The faculty members of the department proposed to commence B. Tech in Energy Engineering in near future.



(Mr. P.S. Panja)



(Dr. Sachin Kumar)

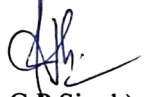

(Dr. B.M.Jha)



(Dr. P.K. Manjhi)



(Prof. K.A. Subramanian)

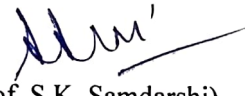

(Prof. A.K. Padhy)

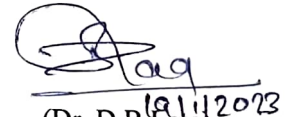

(Prof. S. Medhekar)


(Dr. G.P. Singh)


(Prof. Kalyan Chatarjee)


(Prof. H.P. Singh)


(Prof. S.K. Samdarshi)


(Dr. D.B. Lata) 19/11/2023