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**Minutes of the 4<sup>th</sup> Meeting  
of  
Board of Studies (BOS)  
Department of Energy Engineering  
16<sup>th</sup> September 2021**

The 4<sup>th</sup> meeting of the Board of Studies of the Department of Energy Engineering was held on 16<sup>th</sup> September 2021 at 3.30 PM in blended (Offline and Online) mode at the Department of Energy Engineering, Brambe, Ranchi.

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

Sl. No.	Name and Designation	
1.	Dr. D.B.Lata, Head, Dept. of Energy Engineering, CUJ	Chairperson & Convener
2.	Prof. S.K. Samdarshi, Professor, Dept. of Energy Engineering, CUJ	Member
3.	Dr. B .M. Jha, Assistant Professor, Dept. of Energy Engineering, CUJ	Member
4.	Dr. Sachin Kumar, Assistant Professor, Dept. of Energy Engineering, CUJ	Member
5.	Mr. P.S. Panja, Assistant Professor, Dept. o Energy Engineering, CUJ	Member
6.	Prof, H .P. Singh, Professor, Dept. of Water Engineering & Management, CUJ	Member
7.	Dr. G. P. Singh, Associate Professor, Dept. of Nano science & Technology, CUJ,	Member
8.	Dr. S. K. Shukla, Assistant Professor, Dept. of Transport Science & Technology	Member
9.	Prof. S. Medhekar, Professor, Dept. of Physics, CUJ	Member
10.	Prof. A.K. Padhy, Professor, Dept. of Chemistry, CUJ	Member (Ab)
11.	Prof. K.A. Subramanian, Dept. of Energy Sciences & Engineering, IIT, Delhi	Member
12.	Prof. K. K. Srivastava, Ex. Professor, Dept. of Mechanical Engineering, BIT, Mesra, Ranchi	Member
13.	Dr. P.K. Maji, Ex. Chief General Manager (Energy), MECON Ltd. Ranchi	Member

**Welcome and Introduction:**

The Head of the Department welcomed the member of the Board of Studies and thanked them for attending the 4<sup>th</sup> meeting of Board of Studies. Then he introduced the members. Thereafter agenda was taken up.

*[Signatures]*

ItemNo.	AgendaTitle
BOS/4/DEE/1	To confirm the minutes of the 3 <sup>rd</sup> meeting of the BOS held on 21 <sup>st</sup> September 2019
<b>Resolution: The minutes were confirmed.</b>	
BOS/4/DEE/2	To consider and approve the action taken reports of the 3 <sup>rd</sup> meeting of the BOS held on 21 <sup>st</sup> September 2019
<b>Resolution: The action taken report was noted and approved.</b>	
BOS/4/DEE/3	To consider and approve the allotment of supervisor(S) by the DRC to the PhD students admitted in 2019-20 and 2020-21 session
<b>Resolution: The allotment of supervisor (S) to the Ph. D. Students, admitted in 2019-20 and 2020-21 sessions, by the DRC was noted and approved.</b>	
BOS/4/DEE/4	To consider and ratification of post facto approved RAC of PhD scholar
<b>Resolution: The BOS ratified and approved RAC of Ph. D. scholars.</b>	
BOS/4/DEE/5	To consider the Rejoining of Mr. P S Panja
<b>Resolution: The rejoining of Mr. P S Panja was approved by the Board.</b>	
OS/4/DEE/6	To consider and approved the panel of examiners for thesis evaluation of the concerned student- Arup Mahapatra, Kumar Gaurav, NehaKumari, SatyaPrakashPandey, and Sandeep Kumar
<b>Resolution: The panel of examiners for thesis evaluation of the concerned student- Arup Mahapatra, Kumar Gaurav, Neha Kumari, Satya Prakash Pandey, and Sandeep Kumar was approved by the Board. However, it was further suggested by the Board that while finalizing the examiners for the scholars at least one examiner should be from abroad as being practiced by most of the IITs.</b>	
BOS/4/DEE/7	Progress report of individual students/ Research Advisory Committee (RAC) of each student – Kumar Gaurav, Arup Mahapatra, NehaKumari, Satya Prakash Pandey, Sandeep Kumar, P S Panja, Amit Kumar, Indra Mohan, Prashant Kumar, G Chakrapani
<b>Resolution: The progress report of individual students/ Research Advisory Committee (RAC) of each student – Kumar Gaurav, Arup Mahapatra, NehaKumari, Satya Prakash Pandey, SandeepKumar, P S Panja, Amit Kumar, IndraMohan, Prashant Kumar, G. Chakrapani; was noted and approved by the Board.</b>	
BOS/4/DEE/8	To consider and approve the new courses syllabus of PhD course work in light of existing PhD ordinance of University and curriculum changes suggested by UGC.
<b>Resolution: The suggested courses and syllabus for Ph. D. scholars were approved by the Board. It was suggested further that the courses should be taken by the scholars on the advice of the supervisor concerned. Further it is suggested that the supervisor(s) of the concerned PhD students should advice the student for selection of courses in line with their research requirement. The student can also select courses from other department of CUJ in consultation with their supervisor(s).</b>	
BOS/4/DEE/9	For discussion and recommendation to the school Board: Regarding start of B. Tech (4 year) Degree Program in CORE Engineering with honors Degree in Energy Engineering Or B. Tech (4 year) Energy Engineering under NEP 2020 with a provision of multiple exists after one, two, three, and four years with degree of Certificate in Engineering, Diploma in

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Energy Engineering, Advanced Diploma in Energy Engineering, and B. Tech in Mechanical/Energy Engineering with successful completion of prerequisite approved course structure.

### Summary of Discussion

A threadbare discussion on this agenda item took place, where all the present members expressed their view points. The views expressed were mostly in favour of starting of a B. Tech. (4 years) Degree programme in the Core Engineering, i.e. Mechanical Engineering with Honours in Energy Engineering, by the CUJ. However, Prof. S. K. Samdarshi was of the opinion that a B. Tech. (4 year) Programme in Energy Engineering with a provision of multiple exits be started. Prof. K. A. Subramanain, IIT Delhi, mentioned that in the present scenario it would not be proper to start a B. Tech. (4 year) Programme in Energy Engineering right now by the CUJ and they should wait for at least 4-5 years, as the IITs (Delhi, Bombay, etc.) took 8-9 years in doing homework and exercises before starting of the B. Tech. (4 year) Course in Energy Engineering. Whereas, two other external members, namely; Prof. K. K. Shrivastava, Ex Professor BIT Mesra, and Dr P. K. Maji, Ex. Chief General; Manager (Energy), MECON Ltd. Ranchi, were in favour of starting of a B. Tech. (4 years) programme in Core Engineering, i.e. Mechanical Engineering with Honours in Energy Engineering or in Artificial Intelligent.

### Resolution:

In view of the above discussions the Chairman of the Board of Studies of the Department of Energy Engineering hereby resolved that a B. Tech. (4 year) programme in Core Engineering, i.e. Mechanical Engineering with Honours in Energy Engineering or minor degree in Artificial Intelligent (AI) with multiple exit (as per new NEP 2020), be started by the CUJ. Further, B. Tech. in Energy Engineering may also be initiated by the department in near future.

**BOS/4/DEE/10** For discussion and recommendation of additional 11 faculties to run the programs with Eligibility Qualification

**Resolution:** It was resolved by the BoS that the number of faculty members and the concerned qualification criterion should be adopted as per the AICTE norms and the UGC Guidelines issued from time to time.

**BOS/4/DEE/11** One time grant for purchase of equipment for running the proposed programs/courses

**Resolution:** The BoS resolved to approve one time grant for purchase of equipment for starting and running the proposed programs/courses.

**BOS/4/DEE/12** Any other mater with permission of chair  
i). Eligibility criteria for admission in PhD, Dept. of Energy Engineering

**Resolution:** The matter was deferred.

ii). Introducing of part time PhD for industrial experienced persons

**Resolution:** It was approved by the BoS that a part time Ph. D. programme for the candidates having sufficient industrial experience from reputed industries might be started in the Department of Energy Engineering.

iii). Syllabus of core 1 subject (Renewable Energy Resources) and elective papers (Heat transfer, I C Engine & Gas Turbine) in 1st semester has been revised.

Herein, the presentation of the resolution appears to have many confertential flaws except that all the members agreed on implementation of NEP-2020 into dept. It needs detailed discussion at department level first.


Not discussed in department. 6/9/20

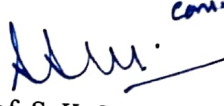
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**Resolution:** The BoS resolved to approve the same.

  
(Dr. Sachin Kumar)

 (Please see on reverse).  
(Mr. P.S. Panja)

 comment on 3/4  
(Prof. S. K. Samdarshi)

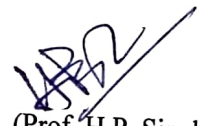
  
(Dr. S.K. Shukla)

  
(Dr. G. P. Singh)

  
(Dr. D.B. Lata)

  
(Prof. A.K. Padhy)


  
(Prof. S. Medhekar)

  
(Prof. H.P. Singh)

(Prof. K. A. Subramanian)

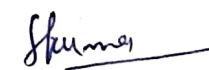
(Dr. P.K. Maji)

(Prof. K. K. Srivastava)

  
(Dr. B. M. Jha)

  
Convener & Chairperson

Agenda-BoS/4/DEE/9, In my opinion, <sup>B.Tech in</sup> Mechanical/Core branch should be started in separate department if possible. The agenda to start separate departments may be placed in the forthcoming school board meeting. Therefore, I do not agree with the current resolution of this agenda. Rest is alright.

  
(Dr. Sachin Kumar)

I agree to start the Undergraduate course in Mechanical Engineering discipline as job opportunity for the passed out students will be better than any of the disciplines like energy engineering, electrical engineering, chemical engineering etc. It appears that Mechanical Engineering is very close to Energy Engineering and it is most appropriate to start the undergraduate course in Mechanical Engineering. Format of certificate to be provided will be decided as School board meeting. <sup>17/3/20</sup>

17/3/20

9/24/1989

2nd and 3rd day

1. Start a new eye exam - on day (1st to 6) is complete.  
The eye is checked in detail and operator (1st to 6) is complete.  
nothing would be very much different in the eyes

*[Signature]*