



MINUTES OF MEETING

FOR THE

BOARD OF STUDIES

OF

Centre for Energy and Environment

HELD ON

August 06, 2021 AT 04.00 p.m.

ON VIRTUAL MODE

AT

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

MINUTES OF THE 5th MEETING OF BOARD OF STUDIES (BOS) UNDER CENTRE FOR ENERGY AND ENVIRONMENT DR. B.R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR HELD ON AUGUST 06, 2021

Following members were present:

1.	Dr. M K Jha, Professor Department of Chemical Engineering and Head Centre for Energy and Environment Email: jhamkin@yahoo.co.in (M) 9417290668	Chairman
2.	Dr. Anish Sachdeva, Professor and Dean Academic Department of Industrial and Production Engineering Email: da@nitj.ac.in , asachdeva@nitj.ac.in (M) 9501019873	Member online
3.	Dr. Anil K Sarma, Scientist E and Head of Office, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: anil.sarma16@gov.in (M) 9988425251, 9316027800	Member online
4.	Dr. Sachin Kumar, Scientist 'C', Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: sachin.biotech@gmail.com (M) 9988864647, 9316027800	Member online
5.	Dr. Nikhil Gakkhar, Scientist C, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: nikhil.mnre@gov.in (M)7737673441	Member
6.	Dr. A K Chaudhary, Associate Professor, Department of Textile Technology Email: choudharyak@nitj.ac.in (M) 94177-10385, 6239549170	Member
7.	Dr. D K Shukla, Associate Professor and Head, Department of Mechanical Engineering Email: kushwahapramod@nitj.ac.in (M) 9478129407	Member
8.	Dr. Kiran Singh, Assistant Professor, Department of Physics Email: singhkp@nitj.ac.in (M)9893134824	Member
9.	Dr. Mahesh Sah, Assistant Professor, Department of Biotechnology Email : sahmk@nitj.ac.in (M) 8340774578, 7095044510	Member
10.	Dr. Kailash Chand Sharma, Assistant Professor, Deptt. of Electrical Engineering Email: sharmakc@nitj.ac.in (M) 9887221353	Member
11.	Dr. Amit Kumar Singh, Assistant Professor, Department of Instrumentation and Control Engg. Email: singhak@nitj.ac.in (M) 9286501979	Member
12.	Dr. Anurag Tiwari, Assistant Professor, Department of Chemical Engineering and MTech Coordinator Email: tiwaria@nitj.ac.in (M) 9956356951	Special Invitee
13.	Dr. S K Mishra, Registrar Email: skmisra@nitj.ac.in , sushendramisra@gmail.com (M) 9478098010	Special Invitee online
14.	Dr. Sangeeta Garg, Associate Professor Department of Chemical Engineering Email: gargs@nitj.ac.in (M) 9872826903	Member Secretary

S. P. Singh
10/8/2021

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Head
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Members could not attend the meeting due to their professional pre-occupation.

1.	Dr. P C Pant, Advisor (R), HRD Division, Ministry of New and Renewable Energy, New Delhi Email: pcpant@nic.in , Mob: 9891721533	Member online
2.	Dr.HimanshuTyagi , Associate Professor, Department of Mechanical Engineering, IIT Ropar Email : himanshu.tyagi@iitrpr.ac.in Phone: +91-1881-232363	Member online
3.	Dr. AneeMohanty, Assistant Professor, Department of Biotechnology Email: mohantya@nitj.ac.in (M) 9703991708	Member
4.	Dr. PramodKumar, Associate Professor, Department of Mechanical Engineering Email: kushwahapramod@nitj.ac.in	Member

The Member Secretary welcomed all the honourable Members and special invitee present during the meeting. Following Agenda Items were taken.

Item No. 5.1	The Minutes of the meeting of Internal BOS held on February 24, 2021 were circulated no comments were received from the members. The minutes are placed before the Board of Studies for confirmation please.
Decision	The minutes of the meeting of BOS held on February 24, 2021 were confirmed

Item No. 5.2	Action taken report on the decision taken during meeting held on February 24, 2021
Decision	The members noted the action taken

Item No. 5.3	Progress of the Centre February 25, 2021 to August, 2021. Head Centre for Energy and Environment may like to speak
Decision	The members appreciated the efforts of the Centre in successful completion of first year of M Tech Program.

Item No. 5.4	Approval for modified syllabus of MTech Renewable Energy The first batch of the students admitted in the year 2021 has passed the 1 st and 2 nd semester examination. The faculty members associated with teaching of the course and students have given some feedback to further modify the syllabus. Keeping in view of the above the modified syllabus of the same scheme has been prepared and being put up for the approval please.
Decision	The members approved the modified syllabus of MTech Renewable Energy to be implemented from the Academic Session 2021-22 (August 2021).

Item No. 5.5	PhD program modalities The Centre has already started MTech programme from the academic session 2020-21 with fee sharing (50:50) between both the Institute. The PhD Programme will start from the academic session 2021-22 with active collaboration from SSS-NIBE Kapurthala. It is proposed that the provision for fee sharing on 50:50 basis for the PhD students admitted from SSS-NIBE Kapurthala may be consider.
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Decision	The members discussed the matter in detailed and finally decided that for those candidates, who are working full time as Research Scholar (JRF/SRF) in SSS NIBE and admitted to PhD programme at NIT Jalandhar and those part time PhD candidate who opt for Research guide at SSS NIBE, fee sharing (50:50) may be implemented subject to its approval from Senate, Finance committee and BOG. The scientists of SSS NIBE would also take course work for the PhD students, as required.
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Item No. 5.6	Provision for PhD External Full Time in place of PhD (Part Time) The Institute has advertised the Part Time PhD programme in August 2021. The Research Scholar/ Scientist working full time in the R&D Centre of the industry/research laboratories having R&D facilities under CSIR/ SSS-NIBE/ ICAR/ ICMR or recognised by DST etc. have shown their interest to apply the PhD programme of the Institute. However, it has been observed that in many vacancies appeared in the Newspaper of Central and State Government or public sector clearly indicates the requirement of full time PhD. The Research scholars are working full time for their PhD work in the CSIR lab/SSS-NIBE or other R&D organisation. But due to their registration in NIT Jalandhar they will get part time PhD degree. Many IITs such as IIT Chennai, IIT Ropar, IIT Bhillai etc. have the provision of nomenclature PhD External Full Time also for such type of Research Scholars/ candidates. The matter is placed before the BOS for approval of provision PhD External in place of PhD part time.
Decision	The members discussed in details and finally agreed that provision for PhD External may be consider from the Academic session 2021-22 (August 2021). The provision should also be made for conversion from PhD Full Time and PhD Part Time to PhD External after the admission also.

Item No. 5.7	Provision of 03 Research guide in place of 02. It has been observed the new PhD regulation of NIT Jalandhar restricts maximum two guide for a single candidate which is creating a lot of inconvenience in joint guidance of student outside NIT. It is proposed that the provision may be flexible for three instead of existing two from the academic session 2021-22 (July). The matter is placed before the BOS for consideration please.
Decision	The matter was discussed in detailed and the members approved the provision of 03 Research guide in place of existing 02 from the Academic session 2021-22 (August 2021).

Item No. 5.8	Sole MTech guide from SSS-NIBE The Institute has received a request from SSS-NIBE vide reference no. 348-11/9/2020-R and D dated 01/07/2021 requesting the Institute to allow the Scientist of SSS-NIBE to be independent Supervisors for MTech dissertation work of the students for carrying out their work at SSS-NIBE identical to course instructed status. The matter is placed before the BOS for consideration please.
Decision	The matter was discussed in detailed and it was agreed that provision of Sole guide may be possible only in case of candidate is working in the R&D Lab of SSS-NIBE Kapurthala with one administrative guide from the NIT Jalandhar. Head, Centre for Energy and Environment of the Institute will act as administrative guide for all such purposes.

Item No. 5.9	Provision to start BTech. (RE) from the Academic session 2022-23 The Centre has successfully running the MTech and PhD programme with joint collaboration of SSS-NIBE Kapurthala. The Centre proposes to start BTech Programme from the Academic session 2022-23 with following modalities.
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	<ol style="list-style-type: none"> 1. The intake capacity will be 30 seats only. 2. The first two semester courses will be common. 3. The courses between 3rd semester to 7th semester will be shared by both the Institute. 4. 8th semester will be internship training in R & D organisation/ Industry or any other Institute. 5. The tuition fee will be shared in the ratio 50:50 between the NIT Jalandhar and SSS-NIBE. 6. The admission will be based on JEE. <p>The draft scheme of BTech Programme is enclosed for your kind information. The matter is placed before the BOS for consideration please.</p>
Decision	<p>The matter was discussed in detail and the members approved the proposal to start BTech programme from the Academic session 2022-23 with joint collaboration of SSS-NIBE Kapurthala with following provision.</p> <ol style="list-style-type: none"> 1. The intake capacity will be 30 seats only. 2. The first two semester courses will be common. 3. The courses between 3rd semester to 7th semester will be shared by both the Institute. The scientists of SSS NIBE would take courses, as required. 4. 8th semester will be internship training in R & D organization/ Industry or any other Institute. SSS-NIBE would be also explore the collaboration with NISE and NIWE, along with other industries/organization for internship training of students. 5. The tuition fee will be shared in the ratio 50:50 between the NIT Jalandhar and SSS-NIBE. 6. The admission will be based on JEE. <p>The members also approved the proposed scheme presented and discussed during the meeting.</p>

5.10 Clarification related to eligibility criteria for admission to Part Time PhD Programme.

The Institute has advertised admission to Ph.D. (Part Time) in the Academic session 2021-22 (August 2021) as per eligibility criteria mentioned below:

- Engineering Departments (Sr. No. 1 to 11 & Sr. No. 15): Engineering Departments: General (For all Departments): Master's Degree in Engineering/Technology in the relevant area of research along with Bachelor's Degree in appropriate branch of Engineering/Technology with a first class or minimum 60% marks (or CGPA of 6.5 on 10 point scale) in the qualifying examination. For all Engineering Departments (Sr. No. 1 to 11 & Sr. No.15), direct Ph.D. admission is also available in case of candidate with B Tech/B.E./BS (4 year) with a CGPA of 8.0 and above on a 10-point scale or 75% aggregate from a Centrally Funded Technical Institute (CFTI). All such candidates must be GATE qualified. Number of credit courses to be cleared will be 24 credits before comprehensive examination.

Centre for Energy and Environment: M.Tech. in Renewable Energy, Chemical Engineering, Electrical Engineering, Material Science, etc. alongwith B.Tech. or Master Degree in Environmental Science/Technology or M.Sc. in Physics, Chemistry with a first class of minimum 60% marks (or CGPA of 6.5 on 10 point scale in the qualifying examination).

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However, it was not clear whether minimum 60% marks (or CGPA of 6.5 on 10 point scale in the qualifying examination) is essentially required for both Undergraduate and Postgraduate level or only at Postgraduate level.

Decision

The matter was discussed in detail and further it was clarified that candidates with BTech Degree and having MTech degree with first class minimum 60% marks (or CGPA of 6.5 on 10 point scale in the qualifying examination) is eligible for admission to PhD Part Time Programme.

The eligibility criteria with minor modification, as mentioned below, was also approved.

Centre for Energy and Environment: M.Tech. in Renewable Energy, Chemical Engineering, Electrical Engineering (and allied areas), Instrumentation & Control, Material Science, Agriculture Engineering, Mechanical Engineering, Thermal Engineering, Packaging Technology etc. along with B.Tech.

Master Degree in Environmental Science/Technology or M.Sc. in Physics, Chemistry with a first class of minimum 60% marks (or CGPA of 6.5 on 10 point scale in the qualifying examination)

The meeting ended with formal vote of thanks by Member Secretary.

Sangeeta Garg
10/8/2021

(Dr. Sangeeta Garg)
Associate Professor/CH
Member Secretary

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10/8/2021

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