



डा बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर  
Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

ऊर्जा एवं पर्यावरण केन्द्र  
Centre for Energy and Environment

संदर्भ संख्यां / Ref No. NITJ/CEE/ 81

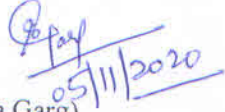
दिनांक / Dated: 5/11/2020

**Subject: Minutes of the 2<sup>nd</sup> meeting of Board of Studies of Centre for Energy and Environment.**

Sir / Madam

Please find enclosed herewith the Minutes of the 2<sup>nd</sup> meeting of Board of Studies of Centre for Energy and Environment for your kind information as per list attached.

With Regards

  
05/11/2020

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



**MINUTES OF MEETING**

**FOR THE**

**2<sup>ND</sup> MEETING**

**OF**

**BOARD OF STUDIES**

**OF**

**Centre for Energy and Environment**

**HELD ON**

**NOVEMBER 05, 2020 AT 3.00 p.m.**

**AT**

**COMMITTEE ROOM**

**DEPARTMENT OF CHEMICAL ENGINEERING**

**Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY,**

**JALANDHAR**



डा बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर  
Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

ऊर्जा एवं पर्यावरण केन्द्र  
Centre for Energy and Environment

संदर्भ संख्यां / Ref No.NITJ/CEE/

दिनांक / Dated:

To

1.	Dr. M K Jha, Professor Department of Chemical Engineering and Head Centre for Energy and Environment Email: <a href="mailto:jhamkin@yahoo.co.in">jhamkin@yahoo.co.in</a> (M) 9417290668	Chairman
2.	Dr. Arunangshu Mukhopadhyay, Professor and Dean Academic Department of Textile Technology Email: <a href="mailto:mukhopadhyaya@nitj.ac.in">mukhopadhyaya@nitj.ac.in</a> (M) 946383698	Member
3.	Dr. P C Pant, Advisor (R), HRD Division, Ministry of New and Renewable Energy, New Delhi Email: <a href="mailto:pcpant@nic.in">pcpant@nic.in</a> , Mob: 9891721533	Member
4.	Dr. Himanshu Tyagi, Associate Professor, Department of Mechanical Engineering, IIT Ropar Email: <a href="mailto:himanshu.tyagi@iitrpr.ac.in">himanshu.tyagi@iitrpr.ac.in</a> Phone: +91-1881-232363,	Member
5.	Dr. Anil K Sarma, Scientist E and Head of Office, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:anil.sarma16@gov.in">anil.sarma16@gov.in</a> (M) 9988425251, 9316027800	Member
6.	Dr. Sachin Kumar, Scientist 'C', Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:sachin.biotech@gmail.com">sachin.biotech@gmail.com</a> (M) 9988864647, 9316027800	Member
7.	Dr. Nikhil Gakkhar, Scientist C, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:nikhil.mnre@gov.in">nikhil.mnre@gov.in</a> (M)7737673441	Member
8.	Dr. D K Shukla, Associate Professor and Head, Department of Mechanical Engineering Email: <a href="mailto:kushwahapramod@nitj.ac.in">kushwahapramod@nitj.ac.in</a> (M) 9478129407	Member
9.	Dr. Pramod Kumar, Associate Professor, Department of Mechanical Engineering Email: <a href="mailto:kushwahapramod@nitj.ac.in">kushwahapramod@nitj.ac.in</a>	Member
10.	Dr. A K Chaudhary, Associate Professor, Department of Textile Technology Email: <a href="mailto:choudharyak@nitj.ac.in">choudharyak@nitj.ac.in</a> (M) 94177-10385, 6239549170	Member
11.	Dr. Kiran Singh, Assistant Professor, Department of Physics Email: <a href="mailto:singhkp@nitj.ac.in">singhkp@nitj.ac.in</a> (M)9893134824	Member
12.	Dr. Mahesh Sah, Assistant Professor, Department of Biotechnology Email: <a href="mailto:sahmk@nitj.ac.in">sahmk@nitj.ac.in</a> (M) 8340774578, 7095044510	Member
13.	Dr. Kailash Chand Sharma, Assistant Professor, Deptt. of Electrical Engineering Email: <a href="mailto:sharmakc@nitj.ac.in">sharmakc@nitj.ac.in</a> (M) 9887221353	Member
14.	Dr. Anee Mohanty, Assistant Professor, Department of Biotechnology Email: <a href="mailto:mohantya@nitj.ac.in">mohantya@nitj.ac.in</a> (M) 9703991708	Member
15.	Dr. Amit Kumar Singh, Assistant Professor, Department of Instrumentation and Control Engg. Email: <a href="mailto:singhak@nitj.ac.in">singhak@nitj.ac.in</a> (M) 9286501979	Member
16.	Dr. S K Mishra, Registrar Email: <a href="mailto:skmisra@nitj.ac.in">skmisra@nitj.ac.in</a> , <a href="mailto:sushendramisra@gmail.com">sushendramisra@gmail.com</a> (M) 9478098010	Special Invitee
17.	Dr. Anurag Tiwari, Assistant Professor, Department of Chemical Engineering and MTech Coordinator Email: <a href="mailto:tiwaria@nitj.ac.in">tiwaria@nitj.ac.in</a> (M) 9956356951	Special Invitee
18.	Dr. Sangeeta Garg, Associate Professor and Head Department of Chemical Engineering Email: <a href="mailto:gargs@nitj.ac.in">gargs@nitj.ac.in</a> (M) 9872826903	Member Secretary

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**MINUTES OF THE 2<sup>nd</sup> MEETING OF BOARD OF STUDIES (BOS) OF CENTRE FOR ENERGY AND ENVIRONMENT DR. B.R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR HELD ON NOVEMBER 05, 2020**

**Following members were present:**

1.	Dr. M K Jha, Professor Department of Chemical Engineering and Head Centre for Energy and Environment Email: <a href="mailto:jhamkin@yahoo.co.in">jhamkin@yahoo.co.in</a> (M) 9417290668	Chairman
2.	Dr. Arunangshu Mukhopadhyay, Professor and Dean Academic Department of Textile Technology Email: <a href="mailto:mukhopadhyaya@nitj.ac.in">mukhopadhyaya@nitj.ac.in</a> (M) 946383698	Member online
3.	Dr. P C Pant, Advisor (R), HRD Division, Ministry of New and Renewable Energy, New Delhi Email: <a href="mailto:pcpant@nic.in">pcpant@nic.in</a> , Mob: 9891721533	Member online
4.	Dr. Himanshu Tyagi, Associate Professor, Department of Mechanical Engineering, IIT Ropar Email: <a href="mailto:himanshu.tyagi@iitrpr.ac.in">himanshu.tyagi@iitrpr.ac.in</a> Phone: +91-1881-232363,	Member online
5.	Dr. Anil K Sarma, Scientist E and Head of Office, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:anil.sarma16@gov.in">anil.sarma16@gov.in</a> (M) 9988425251, 9316027800	Member online
6.	Dr. Sachin Kumar, Scientist 'C', Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:sachin.biotech@gmail.com">sachin.biotech@gmail.com</a> (M) 9988864647, 9316027800	Member online
7.	Dr. Nikhil Gakkhar, Scientist C, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala. Email: <a href="mailto:nikhil.mnre@gov.in">nikhil.mnre@gov.in</a> (M) 9818834416	Member
8.	Dr. Pramod Kumar, Associate Professor, Department of Mechanical Engineering Email: <a href="mailto:kushwahapramod@nitj.ac.in">kushwahapramod@nitj.ac.in</a>	Member
9.	Dr. A K Chaudhary, Associate Professor, Department of Textile Technology Email: <a href="mailto:choudharyak@nitj.ac.in">choudharyak@nitj.ac.in</a> (M) 94177-10385, 6239549170	Member
10.	Dr. Kiran Singh, Assistant Professor, Department of Physics Email: <a href="mailto:singhkp@nitj.ac.in">singhkp@nitj.ac.in</a> (M)9893134824	Member
11.	Dr. Mahesh Sah, Assistant Professor, Department of Biotechnology Email: <a href="mailto:sahmk@nitj.ac.in">sahmk@nitj.ac.in</a> (M) 8340774578, 7095044510	Member
12.	Dr. Anurag Tiwari, Assistant Professor, Department of Chemical Engineering and MTech Coordinator Email: <a href="mailto:tiwaria@nitj.ac.in">tiwaria@nitj.ac.in</a> (M) 9956356951	Special Invitee
13.	Dr. S K Mishra, Registrar Email: <a href="mailto:skmisra@nitj.ac.in">skmisra@nitj.ac.in</a> , <a href="mailto:sushendramisra@gmail.com">sushendramisra@gmail.com</a> (M) 9478098010	Special Invitee online
14.	Dr. Sangeeta Garg, Associate Professor and Head Department of Chemical Engineering Email: <a href="mailto:gargs@nitj.ac.in">gargs@nitj.ac.in</a> (M) 9872826903	Member Secretary

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

1.	Dr. D K Shukla, Associate Professor and Head, Department of Mechanical Engineering Email: <a href="mailto:kushwahapramod@nitj.ac.in">kushwahapramod@nitj.ac.in</a> (M) 9478129407	Member
2.	Dr. Kailash Chand Sharma, Assistant Professor, Deptt. of Electrical Engineering Email: <a href="mailto:sharmakc@nitj.ac.in">sharmakc@nitj.ac.in</a> (M) 9887221353	Member
3.	Dr. Anee Mohanty, Assistant Professor, Department of Biotechnology	Member

*Done*  
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	Email: <a href="mailto:mohantya@nitj.ac.in">mohantya@nitj.ac.in</a> (M) 9703991708	
4.	Dr. Amit Kumar Singh, Assistant Professor, Department of Instrumentation and Control Engg. Email: <a href="mailto:singhak@nitj.ac.in">singhak@nitj.ac.in</a> (M) 9286501979	Member

The Chairman welcomed all the honorable Members and special invitee present during the meeting.

<b>Item No. 2.1</b>	The Minutes of the 1 <sup>st</sup> meeting of BOS held on August 17, 2020 were circulated vide reference no. NITJ/CEE/34 dated 14/09/2020 and no comments were received from the members. The minutes are placed before the Board of Studies for confirmation please.
<b>Decision</b>	Since No comments were received after circulation of the 1 <sup>st</sup> BOS meeting held on August 17, 2020 hence minutes were confirmed without any modification.

Item No.	Name of Item	Decision taken	Action Taken Report
<b>2.2</b>	<b>Action taken report on the decision taken during 1<sup>st</sup> meeting of BOS</b>		
<b>1.1</b>	Approval of Scheme and curriculum of MTech in Renewable Energy	The draft scheme and curriculum of Mtech in Renewable Energy jointly prepared by the faculty members of the institute and Scientists of Sardar Swaran Singh National Institute of Bio Energy Kapurthala was presented and discussed in detailed. The suggestions received from the External Members Dr. P C Pant and Dr. Himanshu Tyagi were also incorporated along with internal members of the Institute in the draft and finally it was approved.	The Minutes of 1 <sup>st</sup> meeting of BOS was submitted to Chairman Senate vide ref. no. NITJ/CEE/40 dated 17/09/2020 for its approval. However the same has already been implemented in anticipation of its approval from the Senate.
<b>1.2.1</b>	The Eligibility criteria for admission to MTech in Renewable Energy Programme	The Eligibility criteria for admission to MTech in Renewable Energy Programme will be B.E/ BTech (Energy/Chemical/Mechanical/BioTech/Agriculture/ Production), MSc (Physics/ Chemistry). However the Board authorized the following committee to include any other discipline in case of students admitted through CCMT or as sponsored candidate. <ul style="list-style-type: none"> <li>Chairman Board of Studies</li> <li>Member Secretary Board of Studies</li> </ul> The decision of the committee will be put up in the subsequent BOS meeting for ratification	Implemented and 15 GATE qualified students through CCMT admitted in the Academic Session 2020-21
<b>1.2.2</b>	Provision for 05 sponsored candidates	It was also informed during the meeting that provision of 05 sponsored candidates preferably Govt./ Public/ Private Industry sponsored has been kept. The matter was discussed in detail and further it was decided that self sponsored candidates may also be included in the sponsored category and the admission may be taken as per Institute norms	Implemented
<b>1.2.3</b>	Industrial related MTech dissertation	Some members suggested that during allotment of MTech dissertation industrial related problems may also be kept in mind and it should be preferred.	Implemented
<b>1.2.4</b>	Provision for additional member	It was discussed during the meeting that Faculty member from Biotechnology discipline should also be associated in the BOS for obtaining their input. The Centre has already received the name of two	Implemented the Director has already approved vide reference no.

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	from Department of Bio Technology	faculty member Dr. Mahesh Sah, Assistant Professor and _____ Dr. Anee Mohanty, Assistant Professor Department of Biotechnology for their nomination in BOS but the same was received after the last date. The draft scheme and curriculum was circulated to all the Members of BOS along with faculty member of Biotechnology for obtaining and incorporating their input.	4371 dated 04/11/2020 subsequently both the members were intimated vide ref. no. NITJ/CEE/79, 80 dated 04/11/2020
1.2.5	Provision to start Full and Part Time PhD	The Members feel that proposal related to PhD Programme under the Centre for Energy and Environment may also be prepared and placed in the next meeting of BOS for its consideration.	Separate Agenda item 2.7
	The Board of Studies has noted the action taken report		
2.3	Progress of the Centre since inception on July 03, 2020 upto November 05, 2020		
	<ol style="list-style-type: none"> <li>1. Webinar on Bio Energy: Transition and Technology sponsored by TEQIP-III project of MHRD on July 03, 2020.</li> <li>2. Online Short Term Course on "Valorisation of lignocellulosic biomass towards sustainable Fuels, Chemicals and Materials" sponsored by TEQIP-III project of MHRD from September 18-22, 2020.</li> <li>3. Online Short Term Course on "Advances in Chemical, Biochemical and Allied Industries ACBAI-2020" jointly organised with Department of Biotechnology and sponsored by TEQIP-III project of MHRD from November 05-09, 2020.</li> </ol> <p>A MoU between SSS-NIBE Kapurthala and NIT Jalandhar was signed by Director General SSS-NIBE and Director NIT, Jalandhar on November 04, 2020 for running of MTech Programme in Renewable Energy. This MoU will be effective for a period of years.</p>		
<b>Decision</b>	The Board of Studies has appreciated the efforts made by Head Centre for Energy and Environment along with his team for the progress of the Centre.		
2.4	<p><b>Provision for appointment of Joint faculty</b></p> <p>The Centre for Energy and Environment does not have any regular faculty. The Centre proposes the engagement of faculty in three ways, at this stage for smooth functioning.</p> <ol style="list-style-type: none"> <li>1. <b>Joint faculty</b> : The joint appointed would generally be at the level of Professor only.</li> <li>2. <b>Participation</b>: Participation on continual basis is expected from a joint faculty member in the Department/Centre other than the parent one also. In the annual assessment proforma there may be a separate portion to indicate such participation and continuation as joint faculty may be determined on the basis of such information. The Professor's parent Department/Centre will be the one on whose strength he was initially appointed. The other Department/Centre in which he is given a joint appointment should only involve the Professor in academic and research activities which may include being the Lab Incharge besides teaching and research. Normally, not more than 1/3<sup>rd</sup> of the load will be assigned by the second Department/Centre to such a Professor and this also with the concurrence of the Head of his parent Department/Centre.</li> <li>3. <b>Tenure</b>: A five year term appointment may be made with a provision for further extension/renewal before the end of the term.</li> </ol>		
<b>Decision</b>	The Board has approved the provision of Joint Faculty and further recommended for its implementation to the Senate		
2.5	<p><b>Provision for Associate faculty</b></p> <p>The faculty member from other Departments engaged in teaching or research in MTech in Renewable Energy will be designated as Associate faculty under the Centre.</p>		
<b>Decision</b>	The Board has approved the provision for Associate Faculty and further recommended for its consideration to the Senate.		
2.6	<p><b>Provision for Visiting faculty</b></p> <p>The Scientists from SSS-NIBE Kapurthala / NISE Gurgaon/ NIWE Chennai/ faculties from IITs/ other NITs or any other outside Institutes / Industry involved in either teaching</p>		

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	or research related to MTech dissertation or PhD will be designated as visiting faculty under the Centre.
<b>Decision</b>	The Board has approved the provision for Visiting Faculty and further recommended for its consideration to the Senate
2.7	<p><b>Provision to start PhD (Full Time and Part Time) Programme along with sponsored</b></p> <p>The MTech in Renewable Energy with collaboration from SSS-NIBE Kapurthala has been started from the Academic year 2020-21. All the 15 seats have been filled with GATE qualified candidate. The draft MoU between NIT Jalandhar and SSS-NIBE Kapurthala has already been approved by both the Director and already signed on November 04, 2020. Recently during the 30<sup>th</sup> meeting of the Governing Council SSS-NIBE Kapurthala held on 16<sup>th</sup> September, 2020 vide its Agenda item no. 30.04.04 the matter was discussed and Department of Bio Technology showed interest in collaboration like DBT supported JRF/SRF.</p> <p>The Centre would like to start full time and part time PhD programme under Centre for Energy and Environment with following qualification.</p> <p>MTech in Renewable Energy, Chemical Engineering, Mechanical Engineering, Electrical Engineering, Energy Engineering etc. along with MSc in Physics, Chemistry. The admission will be made as per Institute norms.</p>
<b>Discussion</b>	<p>The Head Centre for Energy and Environment has intimated that the MoU signed between SSS-NIBE and NIT Jalandhar on November 04, 2020 in which at Sr. No. 3 (b) following provisions are existing.</p> <p><i>“For Joint PhD program, the research work shall be carried out in SSS-NIBE by students in the field of Renewable Energy. The registration of PhD scholars of SSS-NIBE at NITJ shall on case to case basis as per existing rule of NITJ”.</i></p> <p>Further Dr. P C Pant Ex-Advisor, HRD Division, Ministry of New and Renewable Energy, New Delhi has suggested for exemption of written test for the SSS-NIBE JRF/SRF for PhD admission. These candidates may be allowed directly to appear in interview for admission to PhD, keeping in view of the facts that they have already selected for the same.</p>
<b>Decision</b>	<p>The matter was deliberated in detail and finally it was concluded that the JRF/SRF/RA of SSS-NIBE Kapurthala may be exempted to appear in written test. They may be allowed directly to appear in the interview for the purpose of admission to PhD programme of the Institute. Further Board recommended for its consideration to Senate of the Institute. The Master Degree in Material Science has also been included in the eligibility criteria along with others already mentioned in the agenda for admission to PhD. Further the Board also authorized the following committee to include any other discipline in case of students applied other than above mentioned discipline or as sponsored candidate.</p> <ul style="list-style-type: none"> <li>• Chairman Board of Studies</li> <li>• Member Secretary Board of Studies</li> </ul> <p>The decision of the committee will be put up in the subsequent BOS meeting for ratification</p>

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

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

  
 5/11/2020  
 Head  
 Centre for Energy and Environment  
 Dr. B.R. Ambedkar National Institute of Technology  
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