

J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY YMCA, FARIDABAD

**(Established by the State Govt. vide Legislative Act No. 21/2009 &
Recognised by the UGC under UGC Act 1956)**

ACCREDITED "A" GRADE BY NAAC



AGENDA FOR THE 13th MEETING OF BOARD OF FACULTY (BOF)

**SCHEDULED TO BE HELD ON 03.04.2020 AT 2.30 PM OF THE MECHANICAL
ENGINEERING DEPARTMENT THROUGH ZOOM CLOUD APP, MEETING ID: 846
566 254**

JC Bose UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA FARIDABAD

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BOARD OF FACULTY (BOF)**

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Item No. BOF/13/01: To consider and approve the minutes of 12th meeting of BOF held on 30.05.2019.

The minutes of the 12th meeting of Board of Faculty were circulated amongst the members and no comments were received. A copy of the 12th meeting minutes is placed as **Annexure 1**.

The members may consider and approve the minutes of its 12th meeting held on **30.05.2019** at 3:00 PM in the conference hall of Mechanical Engineering Department.

ANNEXURE - 1

MINUTES FOR THE 12th MEETING OF BOARD OF FACULTY (BOF) HELD ON 30.05.2019 AT 11.00 AM IN MECHANICAL ENGINEERING DEPARTMENT

Present:

- 1 Dr.Tilak Raj, Professor & Chairperson (ME Deptt.) : Chairman
Dean (Faculty of Engineering & Technology)
- 2 Dr. Raj Kumar, Professor & Registrar : Member Secretary
- 3 Dr. Sandeep Grover, Professor & : Member
Dean (Institutions)
- 4 Dr. M.L. Aggarwal, Professor : Member
- 5 Dr. Poonam Singhal : Member
Chairperson (Electrical Deptt.)
- 6 Dr. P.R. Sharma, Professor : Member
- 7 Dr.Arvind Gupta, Professor : Member
- 8 Dr.Pardeep Kumar, Associate Professor : Member
- 9 Sh. Naresh Kumar Grover, MD, Promptech Indl. : Representative member of
Products Industry
- 10 Dr. Vasdev Malhotra, Associate Professor : Member
- 11 Dr. Rashmi Agarwal, Assistant Prof. : Member
- 12 Dr. Sanjeev Goyal, Assistant Professor : Member &
Coordinator

Following member could not attend the meeting:

- 1 Dr. Neelam Turk, Associate Professor & : Member
Chairperson (Electronics Deptt.)
- 2 Dr. Munish Vashishth, Professor : Member
- 3 Dr. Anju Gupta, Associate Professor : Member

4 Dr. Shailender Gupta, Assistant Professor : Member

At the outset, Dr. Tilak Raj, Chairman of Dean (Faculty & Engineering) and Chairman, Mechanical Engg. Department warmly welcomed all the members of the Board of Faculties of the University. The Chairman of the Board, Dr. Tilak Raj also appreciated the presence of outside member who took pain to attend this meeting for lively growth of our students.

The Agenda Items taken up and after detailed deliberation/discussion, the following decisions were taken.

ITEM NO. BOS/12/01	To consider and approve the minutes of 11th meeting of BOF held on 10.12.2018. The Board confirmed and approved the minutes of 11 th meeting of Board of Faculties of the University held on 10.12.2018. Item No. BOF/11/03 To consider and approve the Minutes of Board of Studies (PG and UG) of Mechanical Engineering Department meeting held on 06.12.2018. Regarding ITEM NO. BOS/14/06: The House agreed unanimously approve the recommendation to conduct the training in 8 th semester for Mechanical Engg. Students. It is also apprised by the members that it has already prescribed to opt the 7 th /8 th semester for training in the Scheme. Further, it is also desired by the Board, that concerned Chairpersons can make proposal for their own BOS to make 7 th /8 th semester upto their choice. The Board suggested that a notice is to be served to Training & Placement Officer regarding 8 th Semester training period.
Item No. BOF/12/02	To consider and note the action taken report on the minutes of 11th meeting held on 10.12.2018 Regarding ITEM NO. BOS (PG)/03/03 : As per decision taken in Agenda note Item BOF/11/02 Sr. No. 1 A detailed discussion is held and in this discussion, it is apprised by Dr.Sandeep Grover, Dean (Institutions), that the Value added Courses in Programmes should be incorporated for upgrading students. It would also help in requirements of NBA and NAAC accreditation as well.

It is submitted that the Board took all the action taken with extreme consideration and approved the items with some suggestions.
It is submitted that Board took a wide prospective and suggested that:

Some course is to be prescribed to which these courses should be associated.

1. In reference to BOS Electrical Engg. Department, it was suggested the Value Added Programme names should be elaborated by concerned Chairperson.
2. The Board also agree that the prescribed guidelines of University are to be followed for Value Added Courses and these guidelines should also be circulated amongst the various departments of University.

Item No. BOF/11/04

To consider and approve the Minutes of Board of Studies (PG and UG) of Electronics Engineering Department meeting held on 07.12.2018

Regarding Item No. 2: The Chairperson (Electronics Deptt.) apprised the Board that a new B.Tech. Course Programme in the name of B.Tech. Electronics & Computer Engineering with an intake of 60 seats is to be introduced from Session 2019-20 in the University duly approved by the competent authority.

In this connection, the Board of the view that pros and cons should be evaluated and reconsidered over its acceptability and industry need. But, after lots of deliberations it is approved for further processing.

It was submitted that the new programme of B.Tech. course in Electronics and Computer Engg. will be started from this session i.e. 2019-20.

In this regard, the Board desired that the schemes and syllabi must be approved by BOS of the concerned department.

ITEM NO.

BOF/11/I (Additional)

To Consider to Improve the Presentation Skills of the Students of the University.

It is apprised by Sh. N.K. Grover, Member from Industry that presentation and content of the students should be improved.

In this direction, it is decided that we shall select 25 students of final

	<p>year batch and screen them differently through industrial visits, expert lectures to make them industry ready and it will be effective at the end of their semester.</p> <p>It was submitted the work should be moved on further and Dr. Sanjeev Goyal and Sh. Ashbir Singh will coordinate with Sh. N.K. Grover to identify such 25 students and some criteria is to be followed which will be furnished by our Industry Expert, Sh. N. K. Grover.</p>
<p>Item No. BOF/12/03 :</p>	<p>To consider and approve the Minutes of Board of Studies of Electrical Engineering Department meeting held on 28.05.2019</p> <p>The Board approved the minutes of BOS of UG and PG courses of Electrical Engg. Department.</p> <p>Further, the Board suggested uniformity should be followed in the total credential of credits in the University and the same is to be put in Academic Council of University.</p> <p>For external experts, the Board suggested that the industry names should be added as per the Ordinance of University and as per the notification of AICTE.</p> <p>Till now, as the non-availability guidelines and rules of examiners, so the guidelines for the same are to be formulated.</p> <p>It is also submitted that a new programme, in M.Tech. (Electronics & Drives) will be introducing from this session i.e., 2019-20 duly approved by BOS and approved by AICTE.</p>

The meeting ended with the vote of thanks to the Chair.

Item No. BOF/13/02: To consider and note the action taken report on the minutes of 12th meeting held on 30.05.2019

The action taken report (**Annexure 2**) on the minutes of 12th meeting of Board of Faculty is placed before the members for their information.

ANNEXURE - 2

Item No.	Decision of the BOF	Action taken
<p>Item No. BOF/12/01 To consider and approve the minutes of 11th meeting of BOF held on 30.05.2019.</p>	<p>The Board confirmed and approved the minutes of 11th meeting of Board of Faculties of the University held on 30.05.2019.</p>	<p>No Action</p>
<p>Item No. BOF/12/02: To consider and note the action taken report on the minutes of 11th meeting held on 30.05.2019.</p>	<p>The Board approved that the Value added Courses in Programmes should be incorporated for upgrading students.</p> <p>BOF/11/I (Additional) To Consider to Improve the Presentation Skills of the Students of the University.</p> <p>The Board decided that we shall select 25 students of final year batch and screen them differently through industrial visits, expert lectures to</p>	<p>All the departments either already conducted and some are in process of adding Value Added Courses. The Value Added Courses by Civil, Mechanical, Electrical and Electronics Department are attached below.</p> <p>One session was conducted by Sh. N.K. Grover and coordinated by Sh. Ashbir Singh and Dr. Sanjeev Goyal under the supervision of Prof. Tilak Raj, of which 50 to 60 students and they were motivated to join. But due to lower response by the students this was</p>

	make them industry ready.	never meant a head.
Item No. BOF/12/03 To consider and approve the Minutes of Board of Studies of Electrical Engineering Department meeting held on 28.05.2019	The Board approved the minutes of BOS of UG and PG courses of Electrical Engg. Department.	

S.N.	Course Title	Duration	In coordinatio n with	Target Audience Students (Enrolled / Passed)	Funding Agency	Type of course	Key Officials
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Civil Engineering Department

Value Added Course

1	Construction Practice	50 hrs (Aug.- Nov 2019)	SDE Civil, JCBUST YMCA Faridabad	10/1	Dept.	Value added course	SDE Civil,Dr M.L.AGGA RWAL
2	Engineering Drafting and Building Map	40 hrs (Aug.- Nov 2019)	RVM CAD Faridabad	35/10	TEQIP	Value added course	Prof.M.L. Aggarwal,
3	CAD : Specialized Softwares	35 hrs (July 2019)	REC Ambedkar Nagar (UP)	120/ 112	TEQIP	Value added course	Prof.M.L. Aggarwal, Dr Krishan Kumar
4	Cement, Building Materials and their Testing	40 hrs (Jan.7- 11,2019)	National Council of Cement and Building Materials, FARIDABAD	55/50	TEQIP	Value added course	Prof.M.L. Aggarwal, Dr Arun Kumar

ELECTRONICS ENGINEERING DEPARTMENT

S.No	Name of Course	Department	Duration	Sponsored By	No. of Participants
1.	One Week Workshop on “Hands on Training on Design and Fabrication of	Electronics Engg. In association with Electrical Engineering	18 July – 24 July 2019	TEQIP	24

	PCB”	Dept.			
2.	One Week Workshop on “MATLAB and Simulink With Hands on Practice”	Electronics Engg.	22-July – 26 July 2019	TEQIP	40
3.	One week workshop on “Hands on Training on IoT Modules”	Electronics Engineering in association with Computer engineering Dept and CEERI Pilani	24-29 Feb. 2020	TEQIP	40 (Aprox)

MECHANICAL ENGINEERING DEPARTMENT

S.NO	NAME OF COURSE	DATE	COORDINATOR	Remarks
1	Concepts for Industry Readiness	Jan to May 2020	Prof.(Dr. Sandeep Grover) Dr. Sanjeev Goyal	In Process
2	CNC Machining & Programming	Jan to May 2020	Prof. (DR.) Tilak Raj Dr. Rajesh Attri	Will be initiated in next semester due to lockdown of COVID 19
3	3D Design & Printing	20.01.2020 – 24.01.2020	Dr. Rajeev Saha Dr. Sanjeev Kumar	Completed

Item No. BOF/13/03: To consider and approve the Minutes of 15th Meeting of Board of Studies (UG) & 4th Meeting of Board of Studies (PG) of Mechanical Engineering Department meeting held on 11.09.2019.

The minutes of the meeting of Board of Studies (UG& PG) of Mechanical Engineering held on 11.09.2019 are placed on the table before the members as **Annexure-3** for their consideration and approval.

ANNEXURE – 3

**J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA
FARIDABAD
MECHANICAL ENGINEERING DEPARTMENT**

**MINUTES OF MEETING FOR THE 15th MEETING OF BOARD OF STUDIES
(UG)**

Present:

- 1 Dr. Tilak Raj, Professor & Chairperson (ME Deptt.) : Chairman
Dean (Faculty of Engineering & Technology)
- 2 Dr. Sandeep Grover, Professor, Dean of Institution : Member
- 3 Dr. M.L. Aggarwal, Professor : Member
- 4 Dr. Sanjeev Kumar, Associate Professor : Member
- 5 Dr. Arshad Noor Siddiquee, Professor, JMIU : Member
- 6 Dr. Ramesh Kumar, Professor, DCRUST : Member
- 7 Dr. Kumresh Kumar Gaur, Scientist, DRDO : Member
- 8 Dr. Gaurav Kansal, Rawal Instt. Of Tech. & Mgmt. : Member
- 9 Dr. Mahesh Chand, Assistant Professor : Member &
Coordinator

Following member could not attend the meeting:

- 1 Sh. Rajesh Kaushik, Delhi College of Tech. & Mgmt. : Member
Palwal
- 2 Sh. Sukhdev Singh, Vice-Present, MOB & MD, M/s Hind : Member
Hydraulics, Faridabad
- 3 Dr. B. K. Singh, Director, Rawal Institutions : Member
- 4 Sh. Prabhu Dayal Khattar, Executive Engineer, Panipat : Member

Thermal Power Station

5 Dr. O.P. Mishra, Assistant Professor

: Member

At the outset, Dr. Tilak Raj, Chairman of Board of Studies of Faculty of Engg. & Technology warmly welcomed all the members of the Board. The Chairman also appreciated the presence of the members to attend this meeting.

The Agenda Items taken up and after detailed deliberation/discussion, the following decisions were taken.

ITEM NO. BOS/15/01	To Confirm the Minutes of 14th Meeting of Board of Studies held on 06.12.2018 The Minutes of 14 th Meeting of the Board of Studies for PG courses held on 06.12.2018 at 11.00 AM were confirmed by the Board.
ITEM NO. BOS/15/02	To Consider the Action Taken Report (ATR) on the Minutes of BOS Meeting held on 06.12.2018. Action Taken was discussed and approved. However, the Board desired that a notification regarding the following item, is to be released, particularly to the concerned students for their necessary information. Item No.BOS/14/06:To consider and approve the shifting of Industrial training from 7 th semester to 8 th semester in B.Tech. Programme of Mechanical Engineering for the batches of 2017-21 onwards.
ITEM NO. BOS/15/03	To Apprise the Board about introduction Value Added Courses for UTDs. Although, the item was placed for information of the Board members, though a lengthy discussion took place

	<p>with the different aspect of Value Added Courses.</p> <p>It was also suggested that by the Board that FDP Programmes may also be converted into Value Added Courses. In this direction, faculties may be advised to include students of UG and PG in these FDP programmes for the value addition of the students and to put more efforts so that the outcome may also be improved.</p>
<p>ITEM NO. BOS/15/04</p>	<p>To Apprise the Board about Procurement of New Equipments in the department.</p> <ul style="list-style-type: none"> i. Robotic cell ii. CNC CMM iii. Micro Hardness Tester <p>The Agenda item was placed for its information to Members of Board. The members enquired about the cost make and usefulness of these equipments which were appraised by the Chairman. All the members appreciated the efforts of the department for enhancing these facilities in labs.</p>
<p>ITEM NO. BOS/15/05</p>	<p>To Apprise the Board about the Implementation of MOOCs (Credit Transfer Policy)</p> <p>After a detailed deliberation, the Board suggested the 12 credits apart from 160 credits should be given for the said courses.</p> <p>The members appreciated the efforts made at the University level for this type of policy. But at the same time raised some issues regarding the B.Tech. LEET students and that how they will earn 12 credits in their B.Tech. Programme and suggested that this policy should be clearly mentioned in the scheme and syllabi of the B.Tech. Programme.</p>
<p>ITEM NO. BOS/15/06</p>	<p>To Apprise the Board about the Guidelines for Honour degree.</p> <p>The Board members are apprised about the guidelines to get honours degree in B.Tech. Programme. According to</p>

	<p>which the following pattern for earning additional credits for the award of Honours degree:</p> <table border="1" data-bbox="500 306 1333 464"> <thead> <tr> <th data-bbox="500 306 662 384">Program</th> <th data-bbox="662 306 915 384">Duration</th> <th data-bbox="915 306 1125 384">Credits to be earned*</th> <th data-bbox="1125 306 1333 384">Minimum CGPA</th> </tr> </thead> <tbody> <tr> <td data-bbox="500 384 662 464">B.Tech.</td> <td data-bbox="662 384 915 464">Semester 1 to VIII</td> <td data-bbox="915 384 1125 464">12</td> <td data-bbox="1125 384 1333 464">8.0</td> </tr> </tbody> </table>	Program	Duration	Credits to be earned*	Minimum CGPA	B.Tech.	Semester 1 to VIII	12	8.0
Program	Duration	Credits to be earned*	Minimum CGPA						
B.Tech.	Semester 1 to VIII	12	8.0						
<p>ITEM NO. BOS/15/07</p>	<p>To Consider the Modifications of COs in Materials Engineering (ME-204) for B.Tech. 4th semester.</p> <p>After detailed deliberation on the item, the Board members suggested some amendments in COs and authorize Chairperson to approve after necessary amendments accordingly. These amendments have been conveyed to the concerned faculties which need to be incorporated.</p>								
<p>ITEM NO. BOS/15/08</p>	<p>To Consider and Approve the List of Examiners for UG course</p> <p>After going through the lists of examiners for UG students, the board members suggested some updation regarding the particulars of enlist examiners/faculty details needs to be incorporated. However, they approved with the suggested details given by them.</p>								
<p>ITEM NO. BOS/15/09</p>	<p>To Consider and Approve detailed Syllabus of Essence of Indian Traditional Knowledge (EKIT) B.Tech 5th semester .</p> <p>After deliberations, the Board agreed that the prescribed audit course should be applicable to all branches of Engineering and approved the new syllabus which has been done unit-wise. They further desired that a notice is to be issued to all branches and affiliating colleges of University.</p>								
<p>ITEM NO. BOS/15/10</p>	<p>To Consider and Approve the Syllabi of Open Elective Courses in B.Tech 5th sem.</p> <p>After lengthy discussion, it was decided the subject</p>								

	should be passed from BoS of its concerned department i.e. Civil Engg. Department. Course Outcomes should be modified with standard guidelines. However, it has been approved principally by the Board.
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The meeting ended with the vote of thanks to Chair.

**J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA
FARIDABAD
MECHANICAL ENGINEERING DEPARTMENT**

MINUTES OF MEETING FOR THE 4th MEETING OF BOARD OF STUDIES (PG)

Present:

- 1 Dr. Tilak Raj, Professor & Chairperson (ME Deptt.) : Chairman
Dean (Faculty of Engineering & Technology)
- 2 Dr. Sandeep Grover : Member
- 3 Dr. M.L. Aggarwal, Professor : Member
- 4 Dr. Arvind Gupta, Professor : Member
- 5 Dr. Vikram Singh, Professor : Member
- 6 Dr. Hari Om, Professor : Member
- 7 Dr. Lakhwinder Singh, Professor : Member
- 8 Dr. Hari Singh, Professor, NIT KUK : Member
- 9 Dr. M. Suhaid, Professor, JMIU, New Delhi : Member
- 10 Dr. Vasdev Malhotra, Associate Professor : Member
- 11 Dr. Mahesh Chand, Assistant Professor : Member &
Coordinator
- 12 Dr. Surinder Kumar, SRCCEM, Palwal : Invitee

Following member could not attend the meeting:

- 1 Dr. Raj Kumar, Professor : Member
- 2 Dr. Vikas Turk, Professor : Member

- 3 Dr. Sanjeev Kumar, Associate Professor : Member
- 4 Dr. Krishan Kumar, Assistant Professor : Member
- 5 Dr. J.P. Subramanyam, BSAITM, Faridabad : Member
- 6 Dr. S.C. Goel, MD, M/s Star Wire India Ltd., : Member
Ballabagarh
- 7 Sh. Vijay Sethi, M/s Heromoto Corpn. Gurgaon : Member
- 8 Sh. Naveen Sood, President MOB & MD M/s Vee Gee : Member
Industries, Faridabad

At the outset, Dr. Tilak Raj, Chairman of Board of Studies of Faculty of Engg. & Technology warmly welcomed all the members of the Board. The Chairman also appreciated the presence of the members to attend this meeting.

The Agenda Items taken up and after detailed deliberation/discussion, the following decisions were taken.

<p>ITEM NO. BOS (PG)/04/01</p>	<p>To Confirm the Minutes of 3rd Meeting of Board of Studies held on 06.12. 2018 at 3.00 PM The Minutes of 3rd Meeting of the Board of Studies for PG courses held on 06.12.2018 at 3.00 PM were confirmed by the Board.</p>
<p>ITEM NO. BOS (PG)/04/02</p>	<p>To Consider the Action Taken Report (ATR) on the Minutes of BOS meeting held on 06.12.2018 at 3.00 PM Action Taken was discussed and approved.</p>
<p>ITEM NO. BOS (PG)/04/03</p>	<p>To Consider Modification of COs in Welding and Allied processes (MMTA-102) for M.Tech 1st semester. After detailed deliberation, the item may be sent for revision of Course outcomes at serial no. 4 & 5. However, the item is principally agreed with the above said corrections in course outcomes.</p>

<p>ITEM NO. BOS (PG)/04/04</p>	<p>To Apprise the Board about Implementation of MOOCs(Credit Transfer Policy)</p> <p>The item was elaborated to the external members of the by the Chairperson of Board of Studies. All members supported the commendable effort of the University. The Policy should be clearly mentioned in the scheme and syllabi of M.Tech. programme.</p>								
<p>ITEM NO. BOS (PG)/04/05</p>	<p>To Apprise the Board about the Guidelines for Honour degree.</p> <p>The item was placed for information to the Board members. Although they found that for M.Tech. Degree with 8.00 CGPA with no reappear and 06 credits of MOOC courses instead of 08 credits to award a M.Tech. Honour Degree.</p> <p>Accordingly, the following pattern for earning additional credits for the award of Honours degree:</p> <table border="1" data-bbox="537 869 1364 1024"> <thead> <tr> <th>Program</th> <th>Duration</th> <th>Credits to be earned*</th> <th>Minimum CGPA</th> </tr> </thead> <tbody> <tr> <td>M.Tech.</td> <td>Semester I to IV</td> <td>6</td> <td>8.0</td> </tr> </tbody> </table>	Program	Duration	Credits to be earned*	Minimum CGPA	M.Tech.	Semester I to IV	6	8.0
Program	Duration	Credits to be earned*	Minimum CGPA						
M.Tech.	Semester I to IV	6	8.0						
<p>ITEM NO. BOS (PG)/04/06</p>	<p>To Consider and Approve the List of Examiners of Ph.D Scholars of the Department.</p> <p>The Board approved principally, the list of examiners for the following PhD scholars of Mechanical Engg. Department, as under:</p> <table border="0" data-bbox="537 1234 1364 1566"> <thead> <tr> <th>Name of PhD Scholar</th> <th>Name of Supervisor</th> </tr> </thead> <tbody> <tr> <td>Mr. Subrata Kumar Patra YMCAUST/Ph34/2011</td> <td>Prof. Tilak Raj</td> </tr> <tr> <td>Mr. Sachin Gupta YMCAUST/Ph36/2012</td> <td>Prof. Arvind Gupta</td> </tr> <tr> <td>Mr. Kanwar Pal Singh YMCAUST/Ph38/2012</td> <td>Prof. Arvind Gupta</td> </tr> </tbody> </table>	Name of PhD Scholar	Name of Supervisor	Mr. Subrata Kumar Patra YMCAUST/Ph34/2011	Prof. Tilak Raj	Mr. Sachin Gupta YMCAUST/Ph36/2012	Prof. Arvind Gupta	Mr. Kanwar Pal Singh YMCAUST/Ph38/2012	Prof. Arvind Gupta
Name of PhD Scholar	Name of Supervisor								
Mr. Subrata Kumar Patra YMCAUST/Ph34/2011	Prof. Tilak Raj								
Mr. Sachin Gupta YMCAUST/Ph36/2012	Prof. Arvind Gupta								
Mr. Kanwar Pal Singh YMCAUST/Ph38/2012	Prof. Arvind Gupta								
<p>ITEM NO. BOS (PG)/04/07</p>	<p>To Consider and Approve the List of Examiners for PG Course.</p> <p>After going through the lists of examiners for PG students, the board members suggested some updation regarding the particulars of enlist examiners/faculty details needs to be incorporated. However, they approved with the suggested details</p>								

	given by them.
ITEM NO. BOS (PG)/04/08	To Consider and Approve the Minutes of DRC Meetings held on 22.02.2019, 18.04.2019 and 16.07.2019. After deliberate discussion of DRC MoMs held on 22.02.19, 18.04.19, 16.7.19 and 10.09.19, the member approved the same.
ITEM NO. BOS (PG)/04/09	Any Other Item with the Permission of Chair.
Additional Item No. BOS (PG)/04/09 I	To Consider and Approve the Guidelines and Rubrics for PG Programmes After detailed discussion, the Board decided that the dissertation/rubrics marks are also to be divided into 30/70 for Supervisor and External Examiner respectively. In this regard, a notification may be released in scheme with a note specifically for UTDs. And Dean (Colleges) for affiliating institutes.
Additional Item No. BOS (PG)/04/09 II	To Consider and Approve the Syllabus of MMTA-106 (Manufacturing & Automation Lab-II) After detailed deliberation on the item, the Board members suggested some amendments in COs and authorize Chairperson to approve after necessary amendments accordingly. These amendments have been conveyed to the concerned faculties which need to be incorporated.

The meeting ended with the vote of thanks to Chair.

Item No. BOF/13/04: To consider and approve the Minutes of 16th Meeting of Board of Studies (UG) & 5th Meeting of Board of Studies (PG) of Mechanical Engineering Department meeting held on 28.01.2020.

The minutes of the meeting of Board of Studies (UG & PG) of Mechanical Engineering held on 28.01.2020 are placed on the table before the members as **Annexure-4** for their consideration and approval.

ANNEXURE – 4

JC BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA FARIDABAD

MECHANICAL ENGINEERING DEPARTMENT

MINUTES OF MEETING of 16th BOARD OF STUDIES (UG)

Present:

- 1 Dr. Tilak Raj, Professor & Chairperson (ME Deptt.) : Chairman
Dean (Faculty of Engineering & Technology)
- 2 Dr. Sandeep Grover, Professor, Dean of Institution : Member
- 3 Sh. Naresh Yadav : Member
- 4 Sh Parveen Kumar; ACE : Member
- 5 Sh Vivek Mehta; Sai Extrusion : Member
6. Dr. Om Prakash Mishra : Coordinator, member

Following member could not attend the meeting:

- 1 Dr. P. R. Sharma (Dean Institution) : Member
- 2 Dr. Z. A. Khan (Jamia) : Member
- 3 Dr. P. C. Tewari (NIT kurukshetra) : Member
- 4 Dr. Noor Md. Deshmukh; Satyug Darshan : Member
- 5 Sh Parvesh Kumar ;Victoria tools : Member (Industry)
6. Sh. Rakesh Bhatia ; M V Electronics : Member (Industry)

7. Rakesh Mugdil ; VC TMU,

: Member

At the outset, Dr. Tilak Raj, Chairman of Board of Studies of Faculty of Engg. & Technology warmly welcomed all the members of the Board. The Chairman also appreciated the presence of the external members to attend this meeting.

The Agenda Items taken up and after detailed deliberation/discussion, the following decisions were taken.

Detailed Agenda for 16th Meeting of the Board of Studies (UG)

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ITEM NO. BOS/16/01	To Confirm the Minutes of 15th Meeting of Board of Studies held on 11.09.2019 The Minutes of 15 th Meeting of the Board of Studies for UG courses held on 28.01.2020 at 11.00 AM were confirmed by the Board.
ITEM NO. BOS/16/02	To Consider the Action Taken Report (ATR) on the Minutes of BOS Meeting held on 11.09. 2019. Action Taken Report (ATR)on the Minutes of BOS Meeting held on 11.09. 2019 was discussed and approved.
ITEM NO. BOS/16/03	To Apprise the Board about New Syllabi and scheme which are complete in all respect, The board discussed the arrangement of Open elective courses and their CO –PO of new syllabus 2018. It was decided that a mail is to be sent to the concerned person in the university to upload the syllabus on the website of the department also.
ITEM NO. BOS/16/04	To Apprise the Board about Procurement of New Equipments in the department.

	<p>The Agenda item was placed for its information to Members of Board, regarding recently purchased lab equipments in Department to upgrade labs and class rooms.</p> <p>After discussion on various procurement, the Board members suggested to arrange training sessions to apprise the department faculty members regarding the new set ups and their functions.</p> <p>One member also suggested extending the lab support to the affiliated institutions under JCBUST.</p>
<p>ITEM NO. BOS/16/05</p>	<p>To apprise the members regarding the addition of subjects in syllabus and scheme of 2017.</p> <p>Introduction of two subjects i.e Financial Management and Entrepreneur Development as Elective courses along with their detailed syllabi in 2017 scheme was approved by the Board.</p>
<p>ITEM NO. BOS/16/06</p>	<p>To Consider and Approve about changes in VLCI/ VLM scheduling of classes for Mechanical Engineering Students in 6th semester.</p> <p>The member appreciated the initiation to hold such industry oriented course and approved it.</p>
<p>ITEM NO. BOS/16/07</p>	<p>To Apprise the Board about introduction Value Added Courses for UTDs.</p> <p>Although, the item was placed for information of the Board members, though a lengthy discussion took place with the different aspect of Value Added Courses. One member (Sh. Vivek Mehta; Sai Extrusion) suggested to introduce</p>

	value added course on Plastic extrusions and wire and Cable. Board agreed to frame the course content with involvement of faculty member and industry expert.
ITEM NO. BOS/16/08	To Apprise the Board about the academic auditing Board suggested to send the Detailed report to IQAC of the University.
ITEM NO. BOS/16/09	To Apprise the Board about the students' student's feedback The agenda of feed- back of the faculties about the subject taught was briefed to the board. It was suggested to prepare an action taken report on the basis of this feedback and apprise the concerned faculty members whose feedback was found to be poor and suggest the remedial action to improve the teaching methodology.
ITEM NO. BOS/16/10	To apprise the member regarding FDP/ MOOCS courses done by faculty members of the department. The board appreciated the efforts of the faculty members of the department and suggested to go for industry oriented courses.
ITEM NO. BOS/16/11	Board member (Sh. Naresh Yadav) suggested to set up a start up cell in the department, so that student may feel easy to contact the resource person of the department. This will enhance the entrepreneurship among the students.

The meeting ended with the vote of thanks to Chair.

**J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA
FARIDABAD
MECHANICAL ENGINEERING DEPARTMENT**

MINUTES OF MEETING FOR THE 5th MEETING OF BOARD OF STUDIES (PG)

Present:

- | | | | |
|----|--|---|----------------------------------|
| 1 | Dr. Tilak Raj, Professor & Chairperson (ME Deptt.) | : | Chairman |
| 2 | Dr. Sandeep Grover | : | Member |
| 3 | Dr. M.L. Aggarwal, Professor | : | Member |
| 4 | Dr. Arvind Gupta, Professor | : | Member |
| 5 | Dr. Vikram Singh, Professor | : | Member |
| 6 | Dr. Hari Om, Professor | : | Member |
| 7 | Dr. Lakhwinder Singh, Professor | : | Member |
| 8 | Dr. Gaurav Kansal, Associate Professor (BSAITM, Faridabad) | : | Member(Affiliated college) |
| 9 | Mr. Anil Bareja, MD Bareja Sales and Projects Pvt. Ltd., Faridabad | : | Member (Alumni Representatives) |
| 10 | Dr. Arshad Noor Siddique, Professor, JMI, New Delhi | : | Member (outside) |
| 11 | Dr. Vasdev Malhotra, Associate Professor | : | Member |
| 12 | Dr. Sanjeev Kumar, Associate Professor | : | Member |

13 Dr. Shefali Trivedi, Assistant Professor : Member &
Coordinator

Following member could not attend the meeting:

- 1 Dr. Raj Kumar, Professor : Member
- 2 Dr. Vikas Turk, Professor : Member
- 3 Mr. Surender Singh, Assistant Professor : Member
- 4 Dr. B.K. Singh, Director Rawal Institute of Tech. and Mgt., Faridabad : Member (Affiliated college)
- 5 Dr. B.B. Arora, DTU, New Delhi : Member(outside expert)
- 6 Dr. Kumresh Kumar Gaur, Additional director, DRDO, Delhi : Member from industry
- 7 Mr. P.D. Khattar, XEN, Haryana Power Generation : Member from industry
- 8 Mr. Chanay Tripathi, IOCL, Faridabad : Member from industry
- 9 Mr. Naresh Kumar, Chairman and MD, Deep water drilling and industries Ltd., New Delhi : Member from industry

At the outset, Dr. Tilak Raj, Chairman of Board of Studies of Faculty of Engg. & Technology warmly welcomed all the members of the Board. The Chairman also appreciated the presence of the members to attend this meeting.

The Agenda Items taken up and after detailed deliberation/discussion, the following decisions were taken.

ITEM NO. BOS (PG)/05/01	To confirm the minutes of 4th meeting of Board of Studies held on 11.09.2019 at 2.30 PM The Minutes of 4 rd Meeting of the Board of Studies for
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	PG courses held on 11.9.2019 at 2.30 PM were confirmed by the Board.						
ITEM NO. BOS (PG)/05/02	<p>To Consider the Action Taken Report (ATR) on the Minutes of BOS meeting held on 11.9.2019 at 2.30 PM</p> <p>Action Taken Report on the minutes of BOS meeting held on 11.9.2019, was presented in front of members of Board. After deliberation, it was approved.</p>						
ITEM NO. BOS (PG)/05/03	<p>To inform the members about modification of CIM LAB (MMTA-105) and Welding LAB (MMTA-106) Syllabus For M.Tech 1st Semester</p> <p>Modified syllabus of CIM LAB (MMTA-105) and Welding LAB (MMTA-106) For M.Tech 1st Semester had presented in front of the members of Board. After detailed deliberation, the items were conformed by the Board.</p>						
ITEM NO. BOS (PG)/05/04	<p>To apprise the board members about Mtech dissertation in various industries</p> <p>The item was elaborated to the external members of the by the Chairperson of Board of Studies. After detailed deliberation, the item is conformed by the Board. All eleven Mtech students (list already attached in Agenda as Annexure D) exempted form GATE load of the department.</p>						
ITEM NO. BOS (PG)/05/05	<p>To apprise the board members about the Research Lab development</p> <p>The expenditure to develop research lab in department was placed for information to the Board members.</p>						
ITEM NO. BOS (PG)/05/06	<p>To consider and approve the list of examiners of Ph.D scholars of the Department.</p> <p>The Board approved principally, the list of examiners for the following PhD scholars of Mechanical Engg. Department, as under:</p> <table border="0"> <thead> <tr> <th>Name of PhD Scholar</th> <th>Name of Supervisor</th> </tr> </thead> <tbody> <tr> <td>Mr. Vive Sharma</td> <td>Prof. Sandeep Grover and</td> </tr> <tr> <td>YMCAUST/Ph28/2012</td> <td>Prof. S.K. Sharma</td> </tr> </tbody> </table>	Name of PhD Scholar	Name of Supervisor	Mr. Vive Sharma	Prof. Sandeep Grover and	YMCAUST/Ph28/2012	Prof. S.K. Sharma
Name of PhD Scholar	Name of Supervisor						
Mr. Vive Sharma	Prof. Sandeep Grover and						
YMCAUST/Ph28/2012	Prof. S.K. Sharma						

	Mr. Sandeep Handa YMCAUST/Ph30/2011	Prof. Tilak Raj and Prof. Sandeep Grover
ITEM NO. BOS (PG)/05/07	To consider and approve the minutes of DRC meetings held on 23.01.2020 After deliberate discussion of DRC MOMs held on 23.01.2020 the member approved the same.	
ITEM NO. BOS (PG)/05/08	To apprise the board members about total no. of PhD Thesis Completion It was informed to board members that total 12 PhD thesis have been completed during the academic year 2018-19 and 2019-2020 (till date) and total 19 PhD thesis have been completed during the last three years. Details of research scholars have been summarized and presented in front of committee.	
ITEM NO. BOS (PG)/05/09	Any Other Item with the Permission of Chair.	
Additional Item No. BOS (PG)/05/09 I	To Consider and Approve the PhD Syllabus of Welding and Characterization of Materials Syllabus of Welding and Characterization of Materials was presented in front of members of Board. After detailed deliberation on the item, the Board members suggested some amendments in syllabus and authorize Chairperson to approve after necessary amendments accordingly. These amendments have been conveyed to the concerned faculty, which need to be incorporated. Board members also authorize Chairperson to approve the other PhD syllabus of newly admitted PhD candidates (in Jan. 2020) after necessary amendments accordingly.	

The meeting ended with the vote of thanks.

Item No. BOF/13/5: To consider and approve the Minutes of 4th meeting of Board of Studies in Civil Engineering and Fashion Apparels held on 24-07-2019 at 10:30a.m.

The minutes of the meeting of Board of Studies of Civil Engineering and Fashion Apparels held on 24.07.2019 are placed on the table before the members as **Annexure-5** for their consideration and approval.

ANNEXURE - 5



J.C. Bose University of Science & Technology, YMCA, Faridabad
(A Haryana State Government University)

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to Confer Degrees)

Accredited 'A' Grade by NAAC



S.N	Name	Designation
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BOS/JCBUST YMCACE&FAE/2019/4

26/7/2019

Sub: Minutes of 4th meeting of Board of Studies in Civil Engg. and Fashion Apparels Engg.

1	Dr M.L.Aggarwal, JCBUSTYMCA	Chairman
2	Dr Ayush Mittal, HOD Civil Engg.,REC Ambedkar Nagar	Member
3	Dr S.K.Garg, SRCEM Palwal	Member
4	Dr Vinti Davar, Retd. Professor Fashion Apparel Engg, KUK	Member
5	Sh. Nitin Kumar Shukla,Civil Engg., REC Ambedkar Nagar	Member
6	Varun Kumar Sikka ,Civil Engg., RITM Palwal	Member
7	Ms Priyanka Mehra, Fashion & Apparel Engg.	Member
8	Dr Krishan Kumar, JCBUST YMCA	Member/Coordinator

Minutes of the fourth meeting of Board of Studies in Civil Engg. and Fashion Apparels Engg. held on 24-07-2019 at 10:30a.m. in the Conference Hall of Mech.Engg.Deptt of JCBUST YMCA Faridabad. The following members were present:

At the onset, the Chairman welcomed the members in the meeting of BOS. Following deliberations were made as per the items of the circulated agenda:

Item No.BOS/4/01: To confirm the minutes of 3rdBOS meeting held on 13-04-2018.

BOS confirmed the minutes of the 3rd Board of Studies meeting.

Item No.BOS/4/02:To consider the Action Taken Report (ATR) on the minutes of the 3rdmeeting of BOS held on 13-04-2018.

BOS noted the action taken report (ATR) on the III meeting of BOS.It was suggested that the selection of elective courses for UG course in Civil Engineeringneeds proper planning and implementation. Accordingly Sh. Varun Kumar Sikka, HOD Civil Engg. RITM Palwal was requested to coordinate with other colleges and provide input to Chairman BOS.

Item No.BOS/4/03: To consider and approve the list of examiners of UG/PG Program in Civil Engg and Fashion Apparel Engg. for the session 2019-20.

List of examiners was approved for UG/PG Program in Civil Engg and Fashion Apparel Engg. for the session 2019-20 .

Item No.BOS/4/04: To inform BOS regarding:

- a) Credit transfer policy/MOOC Courses University guidelines**
- b) Guidelines for the award of Honour's degree.**

Informed and noted by BOS .

Item No.BOS/4/05: Any other item with the permission of Chair.

It was suggested that value added course / workshop may be conducted in each semester for increasing employability of students.

The meeting ended with a vote of thanks to the Chair.

Item No. BOF/13/6: To consider and approve the Minutes of 5th meeting of Board of Studies in Civil Engineering and Fashion Apparels held on 03-04-2020.

The minutes of the meeting of Board of Studies of Civil Engineering and Fashion Apparels held on 03.04.2020 are placed placed on the table before the members as **Annexure-6** for their consideration and approval.

ANNEXURE - 6

Item No. BOF/13/07 : To consider and approve the Minutes of 9th Board of Studies (UG) meeting of Electrical Engineering Department meeting held on 14.11.2019.

The minutes of the meeting of Board of Studies of Electrical Engineering held on 14.11.2019 are placed on the table before the members as **Annexure-7** for their consideration and approval.

ANNEXURE – 7

https://drive.google.com/open?id=1J_dnP45frdp0ucUfDSLmM58kKsQ-6fGT

Item No. BOF/13/08 : To consider and approve the Minutes of 9th Board of Studies (PG) meeting of Electrical Engineering Department meeting held on 15.11.2019.

The minutes of the 9th meeting of Board of Studies of Electrical Engineering held on 15.11.2019 are placed on the table before the members as **Annexure-8** for their consideration and approval.

ANNEXURE – 8

<https://drive.google.com/open?id=1xRQ6ftazg-pK4unrgErxBRiF85GgimY4>

Item No. BOF/13/09 : To consider and approve the Minutes of Board of Studies (PG & Research) meeting of Electronics Engineering Department meeting held on 28.08.2019.

The minutes of the meeting of Board of Studies of Electrical Engineering held on 28.08.2019 are placed on the table before the members as **Annexure-9** for their consideration and approval.

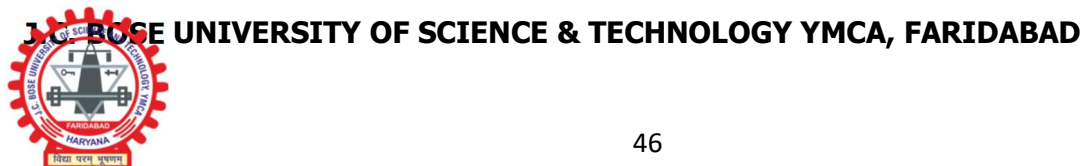
ANNEXURE – 9

https://drive.google.com/open?id=1FmJ939EVCWM49YhdPKbF50_eN3aYvzdt

Item No. BOF/13/10 : To Apprise the members about the last NBA visit in Mechanical Engineering Department and Electronics Engineering Department.

The Action Taken Report in respect of NBA visit for PG Mechanical Engineering Department and Electronics Engineering Department are placed on the table before the members as **Annexure-10** for their consideration.

ANNEXURE - 10



(Department of Mechanical Engineering)

Date: 18 March 2020

Sub: Action Taken Report in respect of NBA visit for PG (Mechanical Engg.) 26th to 28th April 2019

S. No.	Observations	Action taken
Strengths		
1	Well defined process for curriculum and syllabus preparation exists. Syllabus revisions are also carried out.	No Action Required
2	Class rooms are well equipped	No Action Required
3	Faculty members are competent and enthusiastic.	No Action Required
4	Faculty members participate in development works and trainings.	No Action Required
5	Good quality technical staff members exist.	No Action Required
6	Good enrolment of students is there.	No Action Required
7	The success index of the students is good.	No Action Required
8	Students are working on live industrial problems in their projects.	No Action Required
Weakness/ Areas of Improvement		
1	Understanding of OBE needs improvement.	Awareness about the OBE among faculty members is increasing. They are attending FDPs/STCs in which they are apprised about OBE

2	The laboratories need improvement to make it a PG laboratory.	<p>Status of laboratories has been improved, viz</p> <ol style="list-style-type: none"> 1. CMM has been added in the Advanced Machining Lab, 2. Welding cell and pick and place cell have been added in Robotics lab for its enrichment 3. A dedicated Research Lab with new Witness Software is established. 4. ANSYS software has been procured in CADlab. 5. Addition of some new advanced welding equipment is in pipeline.
3	Student faculty ratio needs improvement.	Requirement of additional teachers has been sent to the authorities for recruitment.
4	Placements of students are not satisfactory.	Efforts are being made for contacting more industries so that placement may be improved. Few PG students have also enrolled for PhD. In addition to this, all PG students have been assigned industry based projects in different industries
5	Technical staff needs training to upgrade their skill.	Some supporting staff have been provided training in this regard.
Deficiencies		
1	Sponsored research is very low.	Efforts are being made for enhancing the R & D activities and research publications. Awards and cash prizes at University level have also been started to promote research. Patent applied on dt. 30.11.2018 on topic University Modular (for Manufacturing Industries) (Dr Vasudev Malhotra). Another patent has been applied by

		Prof M.L. Aggarwal for Stiffness measurement equipment.
2	Consultancy undertaken by the department is very poor.	Efforts are being made for encouraging the faculty members and enhancing the R & D activities, consultancy. Consultancy rules have been modified to improve the consultancy. Some consultancy work has been undertaken by some faculty members.
3	Student's involvement in professional activities needs major improvement.	A number of professional activities are undertaken in the department in which students participate actively Expert lectures are conducted, MOOCS is undertaken by the students. Industrial visits are also organized for PG students on regular basis. All PG students have been assigned industry based projects in different industries
Other Observations		
3.4.1	Availability and activities of professional societies/Chapters	Efforts are being made to obtain membership of some professional societies
	Number, quality of engineering events(organized at institute level)	<ol style="list-style-type: none"> 1. Expert lectures are being organized in the deptt. 2. Industrial visits are also organized for PG students on regular basis. 3. Job fair was organized on 14- 12- 2019 4. PG students were involved in organization and participation in ISFT held on 6-10 January 2020 5. PG students attended One week AICTE ATAL workshop on 3D Printing and Design from 20-24

		January2020.
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J.C. Bose University of Science and Technology, YMCA Faridabad

Department of Electronics Engineering

Date: 20/03/2020

Explicit observation about the program

Program title: B.Tech. (Electronics and Communication Engineering)

S. No.	CONCERNS	Compliance Status (Action taken by the institution)
1	Credit given for major projects is less and state of the art course electives are missing	The project evaluation is done on basis of rubric matrix and for elective courses department stringently goes along with AICTE module norms.
2	No industry supported lab and no impact analysis has been done	MoU with Godrej, Design Tech and CEERI PILANI has open gateway in form of industry exposure to students. Students undergo, one semester industry training which is further assessed with teacher surprise visit at industry, along with viva voce at the end.
3	Quality, relevance of the tools for Exit, Alumni and Employer surveys is not adequate	Exit and Alumni survey is attached as Annexure

4	The overall attainment of POs not adequate	To improve POs attainment following measures are been taken into account <ul style="list-style-type: none"> • Workshop on CO-PO, Choice Based Credit System (CBCS), Curriculum Implementation by NITTR • Compulsory addition of relevant Cos-POs in Sessional papers • Department level meeting organized on same time to time.
5	Average Success rate, SFR, API, FCP and FQ are not adequate	As per revised norms SFR is 1:25
S. No.	WEAKNESSES	Compliance Status (Action taken by the institution)
1	Placement, Higher studies and Entrepreneurship is poor	University Training and Placement cell /Entrepreneurship cell play an active role for student Expert talk by Industry expert is a regular practice
2	Teaching and learning process lacks in innovative practices	Digital Boards are installed in two classrooms. Department has in total three smart classroom with smart conference hall and Labs.
3	No Adjunct / Emeritus faculty	Visiting Professor discharged his duty as designated Emeritus Professor. He is actively involved in the setup of flexible electronics lab.
4	Only one Visiting faculty	
5	Continuous Improvement, Identification of gaps / shortfalls is lacking	<ul style="list-style-type: none"> • Remedial classes are regular practice for weak students.

		<ul style="list-style-type: none"> • Department conducts academic audit of faculty at the end of each semester. Faculty members are advised to improve their Performance on weak areas.
6	Appropriate plan is action to bring the gap and its implementation is almost missing	<ul style="list-style-type: none"> • Curriculum is updated time to time as per AICTE norms. • New courses related to recent technology are added time to time. • Myriad seminars from Industry experts and Alumni are organized. • Regular analysis of result, placement and implant training assessment.
S. No.	DEFICIENCIES	REMARK
1	Sponsored research and consultancy are extremely poor	<p>Ms. Rashmi Chawla-Personal Consultancy of Rs 59,000/- (Dec 2018)</p> <p>Ms. Rashmi Chawla- Vigyan Prasar (DST) - Consultancy of Rs 25,000/- (Dec 2018)</p> <p>Ms. Rashmi Chawla and team –Consultancy Project of Rs.3.25 lac-(August 2019)</p>

Item No. BOF/13/11:To notify the members about the students who cleared the Gate Exam.

The list of students who cleared the Gate Exam will be placed on the table before the members as **Annexure –11**for their consideration.

ANNEXURE - 11

Sub: List of students who have qualified the Gate Exam.

EIC 2016-2020

S. No.	Name	University RollNo/ Registerati on Number	Name of Qualifyi ng Examin ation	Qualifying Exam Roll No./ Registration No.	Category (Gen/SC /ST/BC)	Enr oll me nt Id	Qualif ying Exami nation score out of 1000	Qualif ying Exami nation Rank
1	AMIT JANGRA	EIC-4412-2K16	Gate	IN20S13011005	OBC		728	90
2	Ashish Kumar Gupta	Eic-4418-2k16	Gate	IN20S13004146	OBC		868	9
3	Shalu	EIC-4442-2K16	Gate	IN20S13004006	OBC (NCL)		405	864
4	Yashika Garg	EIC-4463-2k16	Gate	IN20S13004126	General		782	48
5	Ujjwal kumar singh	Eic-4453-2k16	Gate	IN20S13004014	General		537	428
6	Varsha pal	Eic-4455-2k16	Gate	EC20S43043167	Obc		356	11328
7	Deepank	EIC-4423-2K16	Gate	IN20S13007008	Obc		632	214
8	Sangeet a Yadav	EIC-4469-2k16	Gate	IN20S13004138	OBC		516	497
9	Swati kumari	Eic-4451-2k16	Gate	IN20S13004222	OBC-NCL		550	391
10	Md Tarique Anis	LEIC-013-2K17	Gate	IN20S13046028	GEN		380	990

ME

Mechanical (M82) GATE APPEARED STUDENTS 2020 Details					
University Roll no.	Name	Qualified (Yes /No)	Qualified category	Gate Roll no.	Gate score
16001013086	Siddharth	No	General	ME20S23004464	11.81
16001013104	Yatindra Jain	yes	General	ME20S13004446	36.27
16001013076	Sanjeev Kumar			ME20S23007066	13.46
16001013065	Rahul			ME20S18032285	20.56
16001013055	Pankaj Bora	No		ME20S23004176	28.6
16001013103	yash kumar			ME20S23004387	14.44
16001013058	Pawan	Yes	General	ME20S23006055	63.5
16001013092	Taruna	Yes	General	ME20S230004278	48.02
16001013071	Ravi	Yes	General	ME20S23047006	75.35
16001013087	SOMNATH			ME20S23011045	49.01
16001013099	Vinod kumar	No	General	ME20S13004237	29.98
16001013072	Ravi Singh	No		ME20S13004371	14.97
16001013095	Vijay Prajapati	No	OBC	ME20S13043145	22.3
17001013523	OM PARKASH	no	sc	ME20S23004004	11.5
17001013539	vinay kumar	no	sc	ME20S23039181	
16001013057	Paras Lamba	No	General	ME20S13039109	24.75
17001013525	Pardeep Kumar	No	OBC	ME20S13043164	
16001013068	Rahul Yadav	yes	obc	ME20S13028603	33
16001013077	Sarita	No		ME20S23004104	21.36
16001013084	Shubham Sharma	No	Gen	ME20S23004154	13.46
17001013530	Rohit kaushik	yes	Gen	ME20S13043111	40.81
16001013088	Sonali	No	OBC	ME20S13004177	10.44
16001013082	Shivani Singla	No	Gen	ME20S13004071	15.67
17001013524	Pallavi	No	Gen	ME20S23030379	15.43
17001013527	pooja	No	Gen	ME20S23004358	5.56
16001013075	Saksham	No	SC	ME20S23007092	11.81

Name of Final Year Student	GATE Registration Number (Printed in GATE Admit Card)	GATE Qualified Yes/No	GATE MARKS	GATE AIR
Abheet Gaur	ME20S23004461	yes	46.05	11188
Abhishek	ME20S23033515	yes	39.46	16391
Amit Kumar	ME20S18020041	yes	51.28	7903
Ankit Bhardwaj	ME20S28032248	Yes	76.01	213
Ankur Panchal	ME20S23006393	yes	67.45	1353
Ankush	ME20S13033435	yes	25	30000
Ankush Bhardwaj	ME20S13033435	yes	7.26	na
Arnish	ME20S13006497	no	16.72	na
ASHISH	ME20S23034011	Yes	39.27	16751
Ashish Kr Jha	ME20S13004187	yes	70	753
ashish kumar	ME20S23004384	yes	60.86	3219
Atul yadav	ME20S13004113	no	6.25	na
Bhavya	ME20S13004313	yes	52.67	7061
Bhavya Khurana	ME20S13006099	Yes	64.45	1878
Bhawna	ME20S13004207	No	2	NA
Bhumika Nandan	ME20S23004236	No	9.59	NA
chakshu juggal	ME20S23004120	yes	62.84	2516
CHETAN KUMAR	ME20S13007193	YES	67.33	1377
Danish Koul	ME20S13004129	No	15.32	N/A
Deepanshu goyal	ME20S23028455	yes	64.16	2184
Diveya Ambardar	ME20S13004133	No	8.69	N/A
Garima bhatia	ME20S23004192	yes	69.75	925
Garima Mehindru	ME20S13004339	no	25	N/A
Gautam	ME20S23006716	yes	52.63	7160
Himanshu goyal	ME20S28020057	yes	44.75	12,228
Inderjeet singh	ME20S23007028	yes	55.27	5718
Janisar Akhtar	ME20S23007166	no	17.08	NA
Jatin	ME20S13004275	No	28	NA
Jeetu Bairwa	ME20S13007207	No	16.72	NA
Manoj kumar	ME20S13027718	yes	48.14	9822
Mohit	ME20S13027553	Yes	41.75	14375
Mohit	ME20S23034562	Yes	39.46	16391
Mohit	ME20S23006481	Yes	72.71	482
Muskan manchanda	ME20S13004305	No	-0.73	NA
Nikita Shishodia	ME20S11300422 9	no	18.12	N/A

Nishant kumar sinha	ME20S13004333	no	27.89	N/A
Anjali Arora	ME20S13004447	no	-0.73	n/a
Anshul Mangla	ME20S23004044	Qualified	41.11	15107
ANUJ	ME20S23039164	not qualified	8.52	n/a
chandni pal	ME20S23004058	No	-2.67	N/A
Hemant	ME20S18021030	no	16.82	N/A
HIMANSHU RAGHAV	ME20S13038327	Not Qualified	9.39	N/A
Himanshu Taneja	ME20S13039160	Qualified	37.66	18091
JITENDER SHAH	ME20S23006135	No	12.47	NA
komal	ME20S23004388	No	11	NA
Krishan Goley	ME20S23004412	Not qualified	19.1	Na
Lakshay Kumar Chawla	ME20S13043091	not qualified	4.85	na
Mohammad Najid	ME20S23007032	not qualified	3.25	Na

EL

S.N O	ROLL.N O	Univ Roll No.	NAME	Appearin g in GATE 2020 (Yes/No)	GATE Roll no. 2020	Marks (out of 100*)	Rank	Gate Score (out of 1000*)
1	EL-4271-2K16	16001007001	ABHISHEK KHATRI	Yes	EE20S53004029	10		
2	EL-4272-2K16							
3	EL-4273-2K16	16001007002	AKASH KUMAR MISHRA	No	NA			
4	EL-4274-2K16	16001007003	AMAN	YES	EE20S53006459	36.33	11375	387
5	EL-4275-2K16	16001007004	Aman Shukla	YES	EE20S53004139	72.67	92	852
6	EL-4276-2K16		Amit kumar	No	NA			
7	EL-4277-2K16	16001007006	Amit Kumar	YES	EE20S53006464	53.67	2144	609
8	EL-4278-2K16	16001007007	ANKIT GARG	Yes	EE20S53004082	44.67	5560	494
9	EL-4279-2K16							
10	EL-4280-2K16							
11	EL-4281-2K16	16001007008	Anushka Nigam	yes	EE20S53004168	26.33		
12	EL-4282-2K16							
13	EL-4283-2K16	16001007009	Ashok Kumar Baghel	Yes	EE20S53004105	25.33	NA	NA
14	EL-4384-2K16							
15	EL-4285-2K16	16001007010	Bharat Kumar	Yes	EE20S53004108	31.67		

16	EL-4286-2K16	16001007011	Chetan kumar	YES	EE20S53004135	31		
17	EL-4287-2K16	16001007012	Deepanshu	YES	EE20S53004087	32.67		
18	EL-4288-2K16	16001007013	Deesha	YES	EE20S58021041	19.67		
19	EL-4289-2K16	16001007014	Gaurav	YES	EE20S53034187	29	1900 0	290
20	EL-4290-2K16	16001007015	Gopal	yes	EE20S53004188	35	1263 6	370
21	EL-4291-2K16	16001007016	Gulshan	Yes	EE20S53043158	18.33		
	EL-4292-2K16							
23	EL-4293-2K16							
24	EL-4294-2K16							
25	EL-4295-2K16	16001007018	Ishita Kaul	YES	EE20S53004076	24		
26	EL-4296-2K16							
27	EL-4297-2K16	16001007019	Kaushal verma	YES	EE20S53048051	32.5	1515 5	367
28	EL-4298-2K16	16001007020	Khushboo verma	NO				
29	EL-4299-2K16	16001007021	Manish Garg	yes	EE20S53004044	35.33	1240 2	373
30	EL-4300-2K16	16001007022	Manoj	Yes	EE20S53004094	44.33	5747	490
31	EL-4301-2K16	16001007023	MANOJ KUMAR MAHUR	yes	EE20S53043159	30	1863 7	307
32	EL-4302-2K16	16001007024	Megha Bhat	No	NA			
33	EL-4303-2K16	16001007025	MOHIT DABRA	Yes	EE20S53004037	33		
34	EL-4304-2K16	16001007026	Mukesh yadav	NO	NA			
35	EL-4305-2K16	16001007027	PANKAJ KUMARI	Yes	EE20S53028015	37	1079 3	396
36	EL-4306-2K16	16001007028	Pawan Kumar	yes	EE20S53006115	32	1601 8	332
37	EL-4307-2K16	16001007029	POSHITA KAUSHIK	Yes	EE20S53006441	31.67		
38	EL-4308-2K16							
39	EL-4309-2K16		Preteek Tickoo	No	NA			
40	EL-4310-2K16	16001007032	Priyam Gera	Yes	EE20S53004104	32.33		
41	EL-4311-2K16	16001007033	Rahul jangir	Yes	EE20S53004109	43	6469	473
42	EL-4313-2K16	16001007034	Ravi Kumar	YES	EE20S53004140	43.67	6105	481
43	EL-4314-2K16	16001007035	ROHIT	Yes	EE20S53004133	7.33	NA	NA
44	EL-4315-2K16		Rohit kasgar	No				
45	EL-4316-2K16	16001007037	Sahil Panchal	Yes	EE20S53004091	17.33	NIL	
46	EL-4317-2K16	16001007038	Sakshi Verma	no				

47	EL-4318-2K16	16001007039	sapna sharma	YES	EE20S53004099	13.33	.	.
48	EL-4319-2K16	16001007040	Saurabh Kumar	YES	EE20S53004160	19.67		
49	EL-4320-2K16	16001007041	Shagun Jain	yes	EE20S53004137	23.33		
50	EL-4321-2K16	16001007042	Shivam Bhalla	yes	EE20S53004126	31		
51	EL-4322-2K16	16001007043	Shoham Singla	Yes	EE20S53004136	37.33	1049 6	400
52	EL-4323-2K16							
53	EL-4324-2K16	16001007044	Simran Soni	yes	EE20S53004019	37.67	1021 3	405
54	EL-4325-2K16	16001007045	Sourav singh	yes	EE20S53004189	46.33	4751	515
55	EL-4326-2K16	16001007046	Stuti Gupta	Yes	EE20S53004040	18.67		
56	EL-4328-2K16	16001007047	Sushant Sharma	yes	EE20S53004155	33		
57	EL-4329-2K16	16001007048	Vijay Rajotia	YES	EE20S53006335	37	1079 3	396
58	EL-4330-2K16	16001007049	Vikas Singh	YES	EE20S53004102	17		
59	EL-4331-2K16	16001007050	Vineet Sangwan	YES	EE20S53004124	14		
60	EL-4332-2K16		Yatin Malik	No	NA			
61	LEL-001-2K17	17001007501	ANKITA	No				
62	LEL-002-2K17							
63	LEL-003-2K17	17001007503	Anshuman Johari	Yes	EE20S53042150	18		
64	LEL-004-2K17	17001007504	Bharat	Yes	EE20S53044057	12.67		
65	LEL-005-2K17	17001007505	Deepanshu Rao	No	NA			
66	LEL-006-2K17	17001007506	Dharmender Kumar	Yes	EE20S53004198	18		
67	LEL-007-2K17		Hardik Bhardwaj					
68	LEL-008-2K17	17001007508	Himanshu Bhati	No	NA			
69	LEL-009-2K17	17001007509	Himanshu Jangra	No	NA			
70	LEL-010-2K17	17001007510	Jayant Yadav	Yes	EE20S53006328	13.33		
71	LEL-011-2K17		Karan Sharma					
72	LEL-012-2K17							
73	LEL-013-2K17	17001007513	Lokesh Kumar	Yes	EE20S53006352	20		
74	LEL-014-2K17		Mohit Vashisth	No	NA			
75	LEL-015-2K17	17001007515	NAVEEN JAGLAN	YES	EE20S53043138	12.65		
76	LEL-016-2K17	17001007516	RAMAN SAINI	yes	EE20S58001055	13		
77	LEL-017-2K17	17001007517	SHIKHA SHRUTI	No				
78	LEL-018-	17001007518	Shivam	YES	EE20S53006377	9.67		

	2K17		Dubey					
79	LEL-019-2K17							
80	LEL-020-2K17	17001007520	VIKAS	yes	EE20S53004138	22		
81	LEL-021-2K17	17001007521	VIPIN	Yes	EE20S53043179	21.67		
82	EL-2900-2K15		GOURAV BANSAL	Yes	EE20S53004213	26.67		

Item No. BOF/13/12 : Any other item with the approval of the Chair.