

MINUTES OF 2<sup>ND</sup> MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY HELD  
ON 13.08.2018



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY  
DABWALI ROAD, BATHINDA-151001  
(Estb. by Govt. of Punjab Act 5(2015) & Approved u/s 2(f) & 12(b) of UGC Act, 1956)  
DEAN ACADEMIC AFFAIRS

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Ref. No.: DAA/MRSPTU/2140

Date: 27.9.2018

MINUTES OF 2<sup>ND</sup> MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY HELD  
ON 13.08.2018

2<sup>nd</sup> Meeting of Faculty of Engineering & Technology of Maharaja Ranjit Singh Punjab Technical University, Bathinda was held on 13.08.2018 at 11:00 AM in the Committee Room of GZSCCET, MRSPTU, Bathinda. The following members were present:

- |  |             |
|--|-------------|
| 1. <b>Dr. (Prof.) Paramjeet Singh,</b><br>Dean Faculty (Engineering & Technology),<br>Former Professor of Chemical Engineering & Former Registrar,<br>Panjab University Chd., Former Registrar, Adesh University, Bathinda.<br>H. No. 2921, Phase-7, Mohali.<br>(9814469688) pjsingh8399@gmail.com | Chairperson |
| 2. <b>Dr. Ashok Kumar Goel,</b><br>Prof. & Head, Deptt. of ECE, GZSCCET, MRSPTU, Bathinda<br>(8725072491) ashokkgoell@gmail.com  | Member      |
| 3. <b>Dr. Balwinder Singh,</b><br>Prof., Deptt. of Mech. Engg. GZSCCET, MRSPTU, Bathinda<br>(8872500275) drbwssidhu07@gmail.com  | Member      |
| 4. <b>Dr. Manjeet Bansal,</b><br>Prof. & Head, Deptt. of Civil Engg. GZSCCET, MRSPTU, Bathinda<br>(9815126102) pushkar5@yahoo.com  | Member      |
| 5. <b>Dr. Sarbjeet Kaur Bath,</b><br>Prof. & Head, Deptt. of Electrical Engg. GZSCCET, MRSPTU, Bathinda<br>(9463836070) skbath77@gmail.com   | Member      |
| 6. <b>Dr. Devanand Uttam,</b><br>Associate Prof. & Head, Deptt. of Textile Engg. GZSCCET, MRSPTU, Bathinda   | Member      |
| 7. <b>Dr. Jyoti Saxena,</b><br>Prof., Department of ECE, GZSCCET, MRSPTU, Bathinda<br>(8725072489) jyotianupam@yahoo.com   | Member      |
| 8. <b>Dr. Sanjiv Kumar Aggarwal,</b><br>Prof., Deptt. of Civil Engg., GZSCCET, MRSPTU, Bathinda<br>(9478022281) sanjiv aggarwal@rediffmail.com   | Member      |
| 9. <b>Dr. Shaveta Rani,</b><br>Prof., Deptt. of CSE, GZSCCET, MRSPTU, Bathinda,<br>(8284011796) gargshavy@yahoo.com  | Member      |
| 10. <b>Dr. Bal Krishan,</b><br>Prof., Deptt. of Civil Engg., (Structural Engg.), GZSCCET, MRSPTU, Bathinda<br>(8872320600) balkrishandr@yahoo.com  | Member      |

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- 11. Dr. Kewal S. Panesar,** **Member**  
Prof., Deptt. of Mech Engg, North West Institute of Engineering & Technology,  
Dhudike Takhanwadh, Link Rd., Dhudike, Punjab 142053  
(9417472592) kewal me@northwest.ac.in
- 12. Dr. Lakhwinder Singh,** **Member**  
Prof., Deptt. of Electrical Engg., BBSBCET Fatehgarh Sahib  
(9814508213, 8872007780) b lakh@yahoo.com
- 13. Dr. Anupam Kumar,** **Member**  
Prof., Deptt. of Textile Engg. GZSCCET, MRSPTU, Bathinda,  
(9417025296) anup28298@yahoo.com
- 14. Dr. Rajesh Gupta,** **Member**  
Prof., Deptt. of Mech.Engg., GZSCCET, MRSPTU, Bathinda  
(8872500261) rg91@rediffmail.com
- 15. Dr. Rajiv Arora,** **Member**  
Head, Deptt. of Chemical Engineering SBS State Technical Campus,  
Moga Road (NH-95), Ferozepur-152004 (Punjab),  
(9463385619) rajiv fzr@yahoo.com
- 16. Dr. Swarnjit Singh,** **Member**  
Prof., Deptt. of ECE, Desh Bhagat Group of Institutions, Ferozepur Road,  
Dagru-142048, (Punjab),  
(9876409200) sawarnjit@live.ca, dbfgoi@gmail.com
- 17. Er. Gurpreet Singh Bath,** **Member**  
Associate Prof., Deptt. of Civil Engg., GZSCCET, MRSPTU, Bathinda,  
(9417171710) gpsbath66@gmail.com.
- 18. Dr. D.C. Saxena,** **Member**  
Prof., Deptt. of Food Engg. & Tech., SLIET, Longowal, Sangrur  
(9815608859) dcsaxena@yahoo.com
- 19. Dr. Sandeep Mann,** **Member**  
Principal Scientist (APE) & HOD Transfer of Technology Division,  
ICAR-Central Institute of Post-Harvest Engineering & Technology. Ministry of  
Agriculture and Farmer's Welfare, Govt. of India. P.O. P.A.U. Ludhiana,  
(9463043396) Sandeep\_mann 76@yahoo.com
- 20. Prof. Karanvir Singh,** **Special Invitee**  
Chairperson, Board of Studies in Mathematics, MRSPTU, Bathinda,  
(8872211150) karanvir776@gmail.com
- 21. Er. Namisha Modi,** **Special Invitee**  
Department of CSE, GZSCCET, Bathinda,  
(9780494584) namisha.2207@gmail.com
- 22. Dr. Gursharan Singh,** **Dean Academic Affairs**  
(8725072488) daa.mrsstu@gmail.com

At the outset agenda items were taken up one by one and the following decisions were arrived at unanimously after due deliberations in the meeting:

Dear Academic Affairs,  
MRSPTU, Bathinda

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Item No.	Description	Decision Taken																																							
02.01	<p><b>INFORMATION REGARDING 2<sup>ND</sup> MEETING OF STANDING COMMITTEE OF ACADEMIC COUNCIL HELD ON 26.2.2018</b></p> <p>It is for information of the members that 2<sup>nd</sup> Meeting of Standing Committee of Academic Council was held on 26.2.2018. Minutes of this Meeting are enclosed (ANNEXURE-I, Pages 06-22). It was decided that the syllabus be put up in the meeting of Chairpersons of the concerned Boards of Studies. So syllabi of the Programmes covered in the agenda for 2<sup>nd</sup> meeting of Standing Committee of Academic Council are also included in the agenda for this meeting.</p> <p><b>The Members of Faculty please note it.</b></p>	1. Noted.																																							
02.02	<p><b>APPROVAL OF SYLLABI OF UNDER GRADUATE PROGRAMMES</b></p> <p>Syllabi of Under Graduate Programmes have been prepared (ANNEXURE-II: Pages 23-591).</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">TABLE-I</th> </tr> <tr> <th>S.N.</th> <th>ITEM</th> <th>PAGE NO.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B.Tech. (Civil Engg.) 5<sup>th</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>23-48</td> </tr> <tr> <td>2</td> <td>B.Tech. (Automobile Engg.) 3<sup>rd</sup> – 6<sup>th</sup> Sem. 2016 Batch onwards</td> <td>49-79</td> </tr> <tr> <td>3</td> <td>B.Tech. (Electrical &amp; Electronics Engg.) 5<sup>th</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>80-130</td> </tr> <tr> <td>4</td> <td>B.Tech. (Electronics &amp; Communications Engg.) 3<sup>rd</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>131-190</td> </tr> <tr> <td>5</td> <td>B.Tech. (Electronics &amp; Telecommunications Engg.) 3<sup>rd</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>191-250</td> </tr> <tr> <td>6</td> <td>B.Tech. (Electronics &amp; Instrumentation Engg.) 3<sup>rd</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>251-303</td> </tr> <tr> <td>7</td> <td>B.Tech. (Information Technology) 5<sup>th</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>304-351</td> </tr> <tr> <td>8</td> <td>B.Tech. (Marine Engg.) 3<sup>rd</sup> – 6<sup>th</sup> Sem. 2016 Batch onwards</td> <td>352-381</td> </tr> <tr> <td>9</td> <td>B.Tech. (Agriculture Engg.) 5<sup>th</sup> – 6<sup>th</sup> Sem. 2016 Batch onwards</td> <td>382-405</td> </tr> <tr> <td>10</td> <td>B.Tech. (Electrical Engg.) 5<sup>th</sup> – 8<sup>th</sup> Sem. 2016 Batch onwards</td> <td>406-459</td> </tr> <tr> <td>11</td> <td>B.Tech. (Chemical, Food) 1<sup>st</sup> Year Syllabus 2018 Batch</td> <td>460-477</td> </tr> </tbody> </table>	TABLE-I			S.N.	ITEM	PAGE NO.	1	B.Tech. (Civil Engg.) 5 <sup>th</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	23-48	2	B.Tech. (Automobile Engg.) 3 <sup>rd</sup> – 6 <sup>th</sup> Sem. 2016 Batch onwards	49-79	3	B.Tech. (Electrical & Electronics Engg.) 5 <sup>th</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	80-130	4	B.Tech. (Electronics & Communications Engg.) 3 <sup>rd</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	131-190	5	B.Tech. (Electronics & Telecommunications Engg.) 3 <sup>rd</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	191-250	6	B.Tech. (Electronics & Instrumentation Engg.) 3 <sup>rd</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	251-303	7	B.Tech. (Information Technology) 5 <sup>th</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	304-351	8	B.Tech. (Marine Engg.) 3 <sup>rd</sup> – 6 <sup>th</sup> Sem. 2016 Batch onwards	352-381	9	B.Tech. (Agriculture Engg.) 5 <sup>th</sup> – 6 <sup>th</sup> Sem. 2016 Batch onwards	382-405	10	B.Tech. (Electrical Engg.) 5 <sup>th</sup> – 8 <sup>th</sup> Sem. 2016 Batch onwards	406-459	11	B.Tech. (Chemical, Food) 1 <sup>st</sup> Year Syllabus 2018 Batch	460-477	<ol style="list-style-type: none"> <li>Syllabi from 1 to 15 approved.</li> <li>Syllabus at 16 of 2018 batch for every branch of B.Tech. is to include 2 hrs./week a non-credit course in 1<sup>st</sup> semester on Introduction to concerned branch of Engineering. It will have internal evaluation. Student is required to earn at least E-grade in it. Every branch of B.Tech. will include Course in Electronics in 3<sup>rd</sup> and 4<sup>th</sup> semester.</li> <li>UG Open Electives Mathematics-I, II, III have been introduced after recommendation by Chairperson BoS in Mathematics.</li> <li>More subjects be included in UG Open Electives-I, II, III.</li> </ol>
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Sushama 27/9/18

Dean Academic Affairs,  
MRSSTU, Bathinda

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12	B.Tech. (Civil, Aeronautical) 1 <sup>st</sup> Year Syllabus 2018 Batch	478-496
13	B.Tech. (CSE, IT, Textile) 1 <sup>st</sup> Year Syllabus 2018 Batch	497-514
14	B.Tech. (EE, ECE, ETE, EI, EEE) 1 <sup>st</sup> Year Syllabus 2018 Batch	515-532
15	B.Tech. (ME) 1 <sup>st</sup> Year Syllabus 2018 Batch	533-551
16	Soft Skills I-IV	552-555
17	UG Open Electives-I 2016 Batch onwards	556-568
18	UG Open Electives-II 2016 Batch onwards	569-583
19	UG Open Electives-III 2016 Batch onwards	584-591

The matter is placed before the Faculty for deliberation and approval.

**02.03 APPROVAL OF SYLLABI OF POST GRADUATE PROGRAMMES**

Syllabi of Post Graduate Programmes have been prepared (ANNEXURE-III: Pages 591-745).

TABLE-II		
S. N.	ITEM	PAGE NO.
1	M.Tech. CSE (Sem 1-2) 2018 Batch onwards	592-623
2	M.Tech ECE (Micro Electronics Engg.) (Sem 1-4) Syllabus 2016 Batch onwards	624-647
3	M.Tech. Electronics & Communication Engg. (Sem 1-4) Syllabus 2016 Batch onwards	648-672
4	M.Tech. Production Engg. (Sem 1-4) Syllabus 2016 Batch onwards	673-693
5	PG Open Electives-I 2016 Batch onwards	694-722
6	PG Open Electives-II 2016 Batch onwards	723-746
7	M.Tech. Electrical Engg. (Power System) (Sem 1) 2018 Batch onwards	747-760

The matter is placed before the Faculty for deliberation and approval.

1. Syllabi from 1 to 7 approved.

27/9/18  
 Dean Academic Affairs,  
 MRSSTU, Bathinda

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**02.04 APPROVAL OF CRITERIA FOR ALLOCATION OF MARKS, GRADES & OTHER CRITERIA FOR PG THESIS, PROJECT, SEMINAR.**

Criteria for allocation of marks, grades & other criteria for PG thesis, project, seminar and professional skills etc. have been proposed.

1. Thesis will carry 24 credits and will be evaluated as under:

S. N.	Subject	Internal Marks	External Marks
1.	Originality	12	08
2.	Presentation	12	08
3.	Contents & Volume of Work	18	12
4.	Discussion (Contribution of candidate)	18	12
<b>Total Marks</b>		<b>60</b>	<b>40</b>

Paper accepted in UGC approved Journals will attract additional 10 Marks in Internal assessment as special incentive subject to the maximum 60 marks in Internal assessment. It is desired that the student should publish one paper in conference/journal.

2. Seminar will carry 4 credits. It will be done on any topic within/ outside the curriculum. Its evaluation will be done as under:

S. N.	Subject	Internal Marks	External Marks
1.	Depth & coverage of topic	40	---
2.	Report	20	---
3.	PPT Presentation	20	---
4.	Q/A on PPT Presentation	20	---
<b>Total Marks</b>		<b>100</b>	<b>---</b>

3. Project will carry 10 credits. Its evaluation will be done as under:

S. N.	Subject	Internal Marks	External Marks	
1.	Formulation of Problem	10	Formulation of Problem	10
2.	Testing & Analysis	20	Result & Analysis	10
3.	Report	10	Report	10
4.	PPT Presentation and Q/A	20	Viva-Voca	10
<b>Total Marks</b>		<b>60</b>	<b>Total Marks</b>	<b>40</b>

**The matter is placed before the Faculty for deliberation and approval.**

1. Regarding thesis evaluation, discussion was held with chairpersons of various BoS's in Engineering & Technology. It has been decided that,

(a) Thesis evaluation will be satisfactory /unsatisfactory, but marks will not be given.

(b) At least three members of DRC will internally evaluate the thesis.

(c) Thesis will be evaluated in three steps:

(i) Presentation of synopsis finalisation of topic and objectives.

(ii) Mid-term presentation to review the progress of work.

(iii) Thesis Pre-submission presentation to evaluate whether the work done by the student is sufficient and satisfactory for submission of thesis.

(d) Decision of this agenda item will be implemented from 2017 Batch onwards.

(e) Items at sr. no. 2 & 3 approved.

*Signature* 27/9/18  
Dean Academic Affairs,  
MRSSTU, Bathinda

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<p><b>02.05</b></p>	<p><b>ALLOCATION OF M.TECH. THESIS SUPERVISORS AND CO-SUPERVISORS</b></p> <ol style="list-style-type: none"> <li>1. Ph.D. degree holder regular faculty member and M.Tech. faculty members working as Associate Professor will act as supervisors. Assistant Professor having only M. Tech. degree will act as co-supervisor. In case there is only faculty having M. Tech. degree and working as assistant professor, he/she will be eligible to act as M. Tech. thesis supervisor.</li> <li>2. The department will put up the following information on the notice board of the department.             <ol style="list-style-type: none"> <li>a) Specialization wise faculty members.</li> <li>b) Specialization wise students.</li> </ol> </li> <li>3. The students of a particular specialization will be allotted based upon his/her merit to M.Tech. thesis supervisor of respective specialization strictly.</li> <li>4. After equal distribution of students in each specialization, the remaining students will be allocated in a particular specialization, depending upon the seniority of the faculty member equally.</li> <li>5. Slot wise allotment of best, medium and poor students, the basis of merit on equal basis shall be done to ensure uniform distribution. If DRC (Departmental Research Committee) of concerned department feels, students may be given their preferred choice(s) of supervisor among each slot may be exercised, limiting to maximum no. of students to be allotted to each supervisor.</li> <li>6. For any further clarification, concerned DRC may decide on case to case basis and put up the same to Dean Academic Affairs, MRSSTU for approval.</li> <li>7. It is recommended to start the M.Tech. research project from commencement of third semester in place of fourth semester to ensure better quality of the research work.</li> </ol> <p><b>The matter is placed before the Faculty for deliberation and approval.</b></p>	<ol style="list-style-type: none"> <li>1. Regarding allocation of supervisors and co-supervisors, discussion was held with chairpersons of various BoS's in Engineering &amp; Technology. It has been decided that,             <ol style="list-style-type: none"> <li>(a) All regular faculty members having Ph.D./M.Tech. degrees will be eligible to act as supervisors.</li> <li>(b) Maximum how many students of a programme can be allotted to a supervisor in a department will depend upon the number of M.Tech. students available in that programme in that department.</li> <li>(c) The students in the order of M.Tech. merit will be asked to exercise their choice for Supervisors.</li> <li>(d) In case of any dispute, decision of Board of Control of the department will be final.</li> </ol> </li> </ol>
<p><b>02.06</b></p>	<p><b>APPROVAL OF ANTI-PLAGIARISM POLICY FOR PG THESIS AS APPLICABLE FOR Ph.D. THESIS</b></p> <p>It is proposed that Anti-plagiarism policy as applicable to Ph.D. thesis may be applicable for M.Tech. Thesis from 2017 Batch onwards.</p> <p><b>The matter is placed before the Faculty for deliberation and approval.</b></p>	<ol style="list-style-type: none"> <li>1. The Anti-Plagiarism policy as approved in 1<sup>st</sup> Academic Council meeting held on 31.5.2017 for Ph.D. Thesis is also to be followed for M.Tech. Thesis from 2017 batch. Anti-Plagiarism software</li> </ol>

*Sushama*  
27/9/18  
Dean Academic Affairs,  
MRSSTU, Batingda

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<b>02.07</b>	<b>AUTHORIZATION OF VICE CHANCELLOR, MRSPTU BATHINDA TO TAKE DECISIONS IN CASE OF URGENT MATTERS TO BE RATIFIED LATER ON BY MRSPTU ACADEMIC COUNCIL</b>  It is proposed to authorize Vice Chancellor, MRSPTU Bathinda to take decisions in case of urgent matters to be ratified later on by Academic Council, MRSPTU, Bathinda.  <b>The matter is placed before the Faculty for deliberation and approval.</b>	<b>is approved.</b> 1. Approved
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The Meeting concluded with a vote of thanks to the Chair.

*Sushan 27/9/18*  
**DEAN ACADEMIC AFFAIRS,  
MRSPTU, BATHINDA**  
MRSSTU, Bathinda