



Maharaja Ranjit Singh Punjab Technical University

DABWALI ROAD, BATHINDA-151001

[Established by Govt. of Punjab vide Act No. 5 of 2015, UGC Act 2(f)]

DEAN ACADEMIC AFFAIRS

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Ref. No.: DAA/MRSPTU/2017/880

Date: 2.05.2017

MINUTES OF MEETING

Please find below the Minutes of the 1st Meeting of Faculty of Engineering & Technology held at 11:00 am in the committee room of MRSPTU, Bathinda Campus on 25.04.2017. This has the approval of Chairperson, Faculty of Engineering & Technology. The following attended the meeting:

1. **Dr. (Prof.) Paramjeet Singh,** **Chairperson**
Dean Faculty (Engineering & Technology),
Former Professor of Chemical Engineering & Former Registrar,
Panjab University Chd., Former Registrar, Adesh University, Bathinda,
H. No. 2921, Phase-7, Mohali.
(Ph. 09814469688) pjsingh8399@gmail.com
2. **Prof. (Dr.) Savina Bansal** **Member**
Professor, Department of Electronics Engineering, GZSCCET, Bathinda,
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3. **Dr. Amanpreet Singh Sethi** **Member**
Prof., Baba Banda Singh Bahadur, Engg. College, Fatehpur Sahib
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4. **Dr. Ashok Kumar Goel** **Member**
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5. **Dr. Balwinder Singh** **Member**
Professor, Department of Mech. Engg. GZSCCET, Bathinda
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6. **Dr. Jyoti Saxena** **Member**
Professor, Department of Electronics Engineering, GZSCCET BTI,
(Ph. 08725072489) jyotianupam@yahoo.com
7. **Dr. Dalbir Singh** **Member**
Professor, Department of Mechanical Engg.,
Bhai Maha Singh College of Engg. & Tech., Sri Muktsar Sahib,
(Ph. 09814800623) dalbir474@gmail.com
8. **Er. Dinesh Kumar** **Member**
Associate Professor, Department of Computer Science & Engg.,
GZSCCET, Bathinda
(Ph. 09417060111) dk_scorpio@rediffmail.com

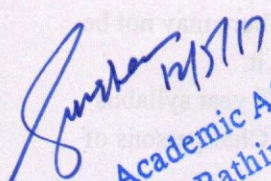
MINUTES OF 1ST MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY, HELD
ON 25.4.2017

9. **Mr. Harish Kumar Garg** Member
Associate Professor, Department of Mechanical Engg.,
GZSCCET, Bathinda
(Ph. 08872500266) harish_k_garg@rediffmail.com
10. **Dr. Kewal S. Panesar** Member
Professor, Department of CSE,
North West Institute of Engg. & Tech., Dhudika, Moga,
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11. **Dr. Lakhvir Singh** Member
Professor, Department of Mechanical Engg.,
Baba Banda Singh Bhadur College of Engineering, Fatehpur Sahib,
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12. **Dr. M.S. Dhanju** Member
Professor, Department of Bio-Tech.,
BIS Institute of Sciences and Tech., Garga (Moga),
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13. **Dr. Piush Verma** Member
Professor, Bahara Group of Institutions, Bhedpura (Patiala),
(Ph. 09988400368) pverma19@yahoo.co.uk
14. **Dr. Rajeev Kumar Varshney** Member
Professor, Department of Textile Engg., GZSCCET BTI,
(Ph. 08872500271) textilegzscetbti@gmail.com
15. **Dr. Rakesh Kumar Bansal** Member
Professor, Department of Electronics, GZSCCET BTI,
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16. **Dr. Roli Mishra** Member
Professor, Department of EE,
Aklia Edu. & Research Society Group of Institutions,
Goniana Road, Bathinda,
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17. **Dr. S.K. Mahla** Member
aiefaridkot@gmail.com
18. **Dr. Sushil Kumar Kansal** Member
Associate Professor, Dr S.S. Bhatnagar University Institute of Chemical
Engineering & Technology, 3W, Vidya Path, Punjab University,
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19. **Dr. Swaranjit Singh** Member
Department of ECE, Desh Bhagat Foundation group of Institution,
(Ph. 09876409200) principaldbfgi@gmail.com
20. **Dr. J.S. Oberoi** Member

MINUTES OF 1ST MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY, HELD
ON 25.4.2017

Professor, Department of Mechanical Engg.,
Baba Banda Singh Bhadur ,Engg.Clg ,Fatehpur Sahib,
(Ph. 09855567977) jaspreet.singh@bbsbec.ac.in

- 21. Dr. Bal Krishan** **Member**
Professor, Department of Civil Engg., GZSCCET, Bathinda
- 22. Dr. Kuldip Pahwa (Representative of Dr. Manoj Mittal)**
Director BMSCE, Muktsar
- 23. Dr. Vikas Gulati (Representative of Dr. Manpreet Singh)**
Principal SVIET, Banur,
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- 24. Dr. Simerpreet Singh (Representative of Dr. Shankar Ramamoorthy)**
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- 25. Dr. Usman Ahmed (Representative of Dr. Sunita Rani)**
Bhai Gurdas Institute of Engg. & Tech., Sangrur,
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- 26. Dr. Devanand Uttam**
Head, Department of Textile Engg., GZSCCET, Bathinda
- 27. Dr. L.S. Garcha (Representative of Dr. Mohita)**
North West Institute of Engg. & Tech., Dhudika, Moga
9417139423
- 28. Er. Vicky Singal (Representative of Dr. Atul Khurana)**
Principal, Aryabhata Group of Institutes, Barnala
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aryabhata.barnala@gmail.com, singal.vicky@gmail.com
- 29. Mr. Rakesh Kumar**
A.R. DAA, MRSPTU, Bathinda
- 30. Dr. Gursharan Singh** **Member Secretary**
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Dean Academic Affairs,
MRSSTU, Bathinda

MINUTES OF 1ST MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY, HELD
ON 25.4.2017

The following points were discussed and decisions taken,

ITEM NO. 01.01: INFORMATION REGARDING 1ST MEETING OF STANDING
COMMITTEE OF MRSPTU ACADEMIC COUNCIL HELD ON 20.12.2016

DECISION: The members noted the Minutes of Meeting of Standing Committee of MRSPTU Academic Council held on 20.12.2016 and approved syllabi of 1st and 2nd Semesters for 2016 Batch with the following observations/recommendations that may be considered while finalising syllabi for 1st and 2nd Semesters for 2017 Batch,

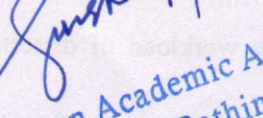
1. In the syllabus of every Course in all Programmes, duration of that Course in terms of contact hours may be mentioned at the level of B.Tech. 1st year for 2017 Batch onwards. Further, every Course syllabus (theory) may be equally divided (as far as possible) in four units, with each unit having been allotted contact hours for it.
2. Value added Courses, such as, Soft Skills, Environmental Science, Human Values and Ethics may not be given any credits, at the level of B.Tech. 1st year for 2017 Batch onwards. However, it may be mandatory to get pass in these Courses.
3. There are mismatching of marks given in Study Schemes of some Programmes for 1st and 2nd Semesters for 2016 Batch. Such Study Schemes be referred back to concerned BOS to make the necessary corrections in it.
4. Course of Computer Graphics Lab. may be introduced at the level of B.Tech. 1st year for 2017 Batch onwards and to be taught by Mechanical Engineering Department to provide knowledge of any one of the design software, such as, Autocad, Qcad, Sledworks 2d etc. Decision may be taken in Meeting of Chairpersons of BOSs.
5. Engineering Drawing Course (BMEE0-102) may have L T P/1 0 6 in place L T P/1 0 4 at the level of B.Tech. 1st year for 2017 Batch onwards.
6. Elements Mechanical Engineering (BMEE0-101) syllabus in B.Tech. 1st year syllabus for 2017 Batch onwards may be designed in such a manner that a single book should cover the whole syllabus. 40% syllabus may be from Thermodynamics and 60% syllabus may be from mechanics. There may not be topics of Internal Combustion Engines and Fluid Mechanics in it.
7. There may be a basic Course of Civil Engineering in B.Tech. 1st year syllabus for 2017 Batch onwards. Decision may be taken in Meeting of Chairpersons of BOSs.
8. Every UG/PG Course syllabus must include Course Objectives, Course Outcomes and Pre-requisite in B.Tech. 1st year syllabus for 2017 Batch onwards for Programme Accreditation under **National Board of Accreditation**.
9. Text books (3-8) and reference books (1-2) of quality Indian and foreign authors may be recommended to cover the wide need of weak, average and brilliant students and complete Course contents.

June 14/17
Dean Academic Affairs
MRSSTU, Bathinda

ITEM NO. 01.02: APPROVAL OF SYLLABI OF UNDER GRADUATE PROGRAMMES

DECISION: The Syllabi of Programmes contained in the following **Table-I** were approved with the observations/recommendations that,

1. Detailed syllabi up to 8th Semester of the following B.Tech. Programmes are to be put up in the 2nd Meeting of Faculty of Engineering & Technology.
 - (a) Electrical and Electronics Engineering,
 - (b) Electrical Engineering,
 - (c) Electronics Engineering,
 - (d) Electronics & Telecommunication Engineering,
 - (e) Electronics & Instrumentation Engineering.
2. In the syllabus of every Course in all Programmes, duration of that Course in terms of contact hours may be mentioned. Further, every Course syllabus (theory) may be equally divided (as far as possible) in four units, with each unit having been allotted contact hours for it.
3. Major projects should be of allotted maximum 04 Credits.
4. Value added Courses, such as, Soft Skills, Environmental Science, Human Values and Ethics may not be given any credits, however, it should be mandatory to get pass in these Courses.
5. There may be a Course of Cryogenic Engineering in place of Welding Technology (BMEE1-460) as Departmental Elective-II.
6. There are mismatching of marks given in Study Schemes of some Programmes from 3rd semester onwards. Such Study Schemes be referred back to concerned BOS to make the necessary corrections in it.
7. There may be Course of CAD Lab. In 8th Semester of. B.Tech. Mech. Engineering.
8. Machine Drawing Course (BMEE1-303) using CAD may have L T P/1 0 6 in place L T P/1 0 4.
9. Different nomenclature may be there for different Courses of the same Programmes instead of writing -1, -2, e.g., Textile Fibre-1 and Textile Fibre-2.
10. Department of Mechanical Engineering may offer more Departmental Electives and Open Electives for UG Programmes.
11. Every UG Course syllabus must include Course Objectives, Course Outcomes and Pre-requisite for Programme Accreditation under **National Board of Accreditation**.
12. A Special Chapter heading 'Recent Advances' may be included in all the courses to imbibe newness in courses and students must able to learn the new technological aspects.
13. There may be credits assigned to Industrial Training the students undergo during different times in their Degree Program.


Dean Academic Affairs,
MRSSTU, Bathinda

MINUTES OF 1ST MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY, HELD
ON 25.4.2017

TABLE-I	
S. No.	PROGRAMME
1	B.TECH. (SEM 1-2) SYLLABUS 2016 BATCH ONWARDS
2	B.TECH. AGRICULTURE ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
3	B.TECH. TEXTILE ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
4	B.TECH. MECHANICAL ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
5	B.TECH. ELECTRICAL & ELECTRONICS ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
6	B.TECH. ELECTRICAL ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
7	B.TECH. ELECTRONICS & COMMUNICATION ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
8	B.TECH. COMPUTER SC. & ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
9	B.TECH. CIVIL ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
10	B.TECH. FOOD TECHNOLOGY (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
11	B.TECH. CHEMICAL ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
12	B.TECH. AEROSPACE ENGG. (SEM 3-8) SYLLABUS 2016 BATCH ONWARDS
13	B.TECH. ELECTRONICS & INSTRUMENTATION ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
14	B.TECH. ELECTRONICS & TELECOMMUNICATION ENGG. (SEM 3-4) SYLLABUS 2016 BATCH ONWARDS
15	UG OPEN ELECTIVE-I SYLLABUS 2016 BATCH ONWARDS
16	UG OPEN ELECTIVE-II SYLLABUS 2016 BATCH ONWARDS
17	UG OPEN ELECTIVE-III SYLLABUS 2016 BATCH ONWARDS

ITEM NO. 01.03: APPROVAL OF SYLLABI OF POST GRADUATE PROGRAMMES

DECISION: The Syllabi of Programmes contained in the following **Table-II** were approved with the observations/recommendations that,

1. Dissertation must be of 24 credits uniformly for all the M. Tech. Programmes.
2. Number of students being examined for the Viva Examination in one hour may be less so that more time can be allotted to each student.
3. Number of Contact Hours are to be allocated for workload of dissertation, Projects etc. in the study scheme of M. Tech.
4. Contact Hours in any of the semesters per week may not be less than 20.

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**MINUTES OF 1ST MEETING OF FACULTY OF ENGINEERING & TECHNOLOGY, HELD
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5. Every PG Course syllabus must include Course Objectives, Course Outcomes and Pre-requisite for Programme Accreditation under **National Board of Accreditation**.
6. Text books (3-8) and reference books (1-2) of quality Indian and foreign authors may be recommended to cover the wide need of weak, average and brilliant students and complete Course contents.
7. In the syllabus of every Course in all Programmes, duration of that Course in terms of contact hours may be mentioned. Further, every Course syllabus (theory) may be equally divided (as far as possible) in four units, with each unit having been allotted contact hours for it.
8. There are mismatching of marks given in Study Schemes of some Programmes from 3rd semester onwards. Such Study Schemes be referred back to concerned BOS to make the necessary corrections in it.
9. The hours assigned to minor and major project work may be uniform across all the Programmes.
10. A Special Chapter heading 'Recent Advances' may be included in all the courses to imbibe newness in courses and students must able to learn the new technological aspects.

TABLE-II	
S. No.	PROGRAMME
1	M.TECH. CIVIL ENGG. (CONSTRUCTION TECHNOLOGY & MANAGEMENT) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
2	M.TECH. CIVIL ENGG. (GEOTECHNICAL ENGINEERING) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
3	M.TECH. CIVIL (STRUCTURAL AND FOUNDATION ENGINEERING) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
4	M.TECH. MECH. ENGG. (AUTOMATION & ROBOTICS) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
5	M.TECH. MECHANICAL ENGG. (CAD-CAM) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
6	M.TECH. MECHANICAL ENGG. (INDUSTRIAL & PRODUCTION) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
7	M.TECH. MECHANICAL ENGG. (THERMAL SCIENCE ENGG.) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
8	M.TECH. INFORMATION TECHNOLOGY (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
9	M.TECH. CSE (E-SECURITY) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
10	M.TECH. ECE (MICROELECTRONICS ENGG.) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
11	M.TECH. ELECTRONICS & COMMUNICATIONS ENGG. (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
12	M.TECH. CSE (SOFTWARE ENGG.) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
13	M.TECH. COMPUTER SC. AND ENGG. (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
14	M.TECH. CSE (COMPUTER NETWORK AND INFORMATION

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	SECURITY) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
15	M.TECH. ELE (POWER SYSTEM) (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
16	M.TECH. ELECTRICAL ENGG. (SEM 1-4) SYLLABUS 2016 BATCH ONWARDS
17	PG OPEN ELECTIVE-I SYLLABUS 2016 BATCH ONWARDS
18	PG OPEN ELECTIVE-II SYLLABUS 2016 BATCH ONWARDS

The Meeting concluded with a vote of thanks to the Chair.

[Signature]
DEAN ACADEMIC AFFAIRS,
MRSPTU, BTI

12/5/17
**Dean Academic Affairs,
MRSSTU, Bathinda**

Copy to:

1. P.A. to Vice Chancellor, MRSPTU, Bathinda for Information of the Vice Chancellor please
2. Registrar, MRSPTU, Bathinda
3. All concerned