MINUTES OF 1ST MEETING OF MRSPTU STANDING COMMITTEE OF ACADEMIC COUNCIL HELD ON 20.12.2016.

1st Meeting of Maharaja Ranjit Singh Punjab Technical University Bathinda Standing Committee of Academic Council was held on 20.12.2016 at 11:30 am in the committee room of MRSPU Campus under the chairmanship of Vice Chancellor. The following members were present

1. Dr. (Prof.) Mohan Paul Singh Ishar Vice-Chancellor, MRSPTU, Bathinda

Chairman

2. Dr. (Prof.) Ashish Baldi Dean Faculty (Pharmacy), Member

Professor, HOD, Deptt. of Pharmacy, Main Campus, MRSPTU, Bathinda

3. Campus Director Member Giani Zail Singh Campus College of Engineering & Technology, Bathinda (Constituent College).

4. DirectorPunjab Institute of Technology, Nandgarh, District Bathinda (Constituent College).

5. Director Member
Punjab Institute of Technology, GTB Garh, District Moga (Constituent College)

6. Dean Academic Affairs
MRSPTU, Bathinda

Member

7. Dean College Development Council
MRSPTU, Bathinda

Member

8. Dean R&D Member MRSPTU, Bathinda

9. Dean Students Welfare
MRSPTU, Bathinda
Member

10. Dean Planning & Development
MRSPTU, Bathinda

Member

11. Controller of Examinations
MRSPTU, Bathinda

Member

12. Registrar Member
MRSPTU, Bathinda

The following decisions were taken in the meeting:

ITEM NO. 01.01 APPROVAL OF SYLLABI OF UNDER GRADUATE

PROGRAMMES

DECISION: Syllabi of 1st and 2nd semesters approved.

APPROVAL OF SYLLABI OF POST GRADUATE PROGRAMMES.

DECISION: Syllabi of 1st and 2nd semesters approved.

(1/23)

DECISION:

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MINUTES OF 1ST MEETING OF MRSPTU STANDING COMMITTEE OF ACADEMIC COUNCIL HELD ON 20.12.2016.

ITEM NO. 01.03 APPROVAL OF SYLLABI OF ONE-YEAR SKILL CERTIFICATE PROGRAMMES.

DECISION:

The University has proposed to start following Skill Certification Programmes:

- 1. MRSPTU Curriculum for One-Year Certificate Programme in Computer Maintenance Programming Assistant for 2016-17 batch onwards.
- 2. MRSPTU Curriculum for One-Year Certificate Programme in Electrician 2016-17 batch onwards.
- 3. MRSPTU Curriculum for One-Year Certificate Programme in Farm Equipment Technician 2016-17 batch onwards.
- 4. MRSPTU Curriculum for One-Year Certificate Programme in Food Processing 2016-17 batch onwards.
- 5. MRSPTU Curriculum for One-Year Certificate Programme in Servicing and Maintenance of Electronic Instruments 2016-17 batch onwards.
- 6. MRSPTU Curriculum for One-Year Certificate Programme in Tool and Die Maker 2016-17 batch onwards.
- 7. MRSPTU Curriculum for One-Year Certificate Programme in Plumbing 2016-17 batch onwards.
- 8. MRSPTU Curriculum for One-Year Certificate Programme in Refrigeration and Air Conditioning Mechanic (RAC Mechanic) for 2016-17 batch onwards.
- 9. MRSPTU Curriculum for One-Year Certificate Programme in Welding for 2016-17 batch onwards.

It was decided that:

- (i) In case of these Programmes, suggestions received through email from the members of concerned BOS will be sent to the Chairpersons of the respective BOS for deliberations with the other members of the BOS.
- (ii) All of the suggestions received for these Programmes will be further discussed with experts from the concerned field and NITTTR.
- (iii) Vice Chancellor is authorized to approve the revised curriculum of above programmes.

APPROVAL OF CHOICE BASED CREDIT SYSTEM EFFECTIVE FROM 2016 BATCH ONWARDS

After deliberations on the Choice Based Credit System, the following decisions have been made (Choice Based Credit System is appended in the **Annexure-I** after including the following modified rules).

ITEM NO. 01.04

DECISION

2/23

MINUTES OF 1^{ST} MEETING OF MRSPTU STANDING COMMITTEE OF ACADEMIC COUNCIL HELD ON 20.12.2016.

1. Point 11(a) of previous CBCS

Existing Rule: A student is required to maintain at least 4.0 CGPA at the end of each academic year, failing which he/she will be declared failed in that academic year. He/she will have to seek readmission to the odd semester of that academic year.

Modified Rule: A student is required to earn at least 25% of the credits registered by him/her in an academic year, failing which he/she will be declared failed in that academic year. He/she will have to seek readmission to the odd semester of the academic year.

2. Point 11(d) of previous CBCS

Existing Rule: In a Programme of more than 2 years, a student can register for Courses of 5th semester only after clearing his/her all Courses of 1st semester, even if he/she maintains at least CGPA of 4.0 at end of 2nd academic year. A student can register for Courses of 6th semester only after clearing his/her all Courses of 2nd semester.

Modified Rule: In a Programme of more than 2 years, a student can register for Courses of 5th semester only after clearing his/her all Courses of 1st semester. A student can register for Courses of 6th semester only after clearing his/her all Courses of 2nd semester.

3. Point 15 (End Semester University Examination) of previous **CBCS**

Existing Rule: Written Quiz of 10 questions set by MRSPTU for 20

Modified Rule: Viva/Questionnaire by the External Examiner for 20 marks.

Existing Rule: Practical performed by the student and recorded on the answer sheet.

Modified Rule: Evaluation of Answer sheet of the Practical Examination by the External Examiner for 20 marks.

- 4. It was also decided that a tutorial is to be designed to disseminate the details of Relative Grading System.
- 5. Point 9(A) &9(B) of existing CBCS have been deleted.

ITEM NO. 01.05

APPROVAL OF THE COURSE WORK RECOMMENDED BY DDRC FOR Ph.D. ADMISSION IN THE DEPARTMENT OF ELECTRICAL ENGINEERING, GZSCCET, BATHINDA

Approved.

TTEM NO. 01.06

APPROVAL OF THE REVISED Ph.D. REGULATIONS AS NOTIFIED BY UGC (MIN. STANDARDS AND PROCEDURE FOR AWARD OF M.PHIL./Ph.D. DEGREES) REGULATIONS-2016

Approved.

DECISION:



ITEM NO. 01.07 APPROVAL OF THE SCORE CARD VALIDITY RELAXATION TO GPAT AND GATE QUALIFIED

CANDIDATES FOR Ph.D. ENTRANCE TEST EXEMPTION

DECISION: It was decided that the Entrance Test for admission to Ph.D.

Programme will be exempted for GATE & GPAT qualified candidates irrespective of their validity period. In case GATE/GPAT qualified candidates are more than the number of seats available they shall have to appear and qualify Ph.D. Entrance Test (PET) of MRSPTU,

Bathinda.

ITEM NO. 01.08 APPROVAL OF PRE-Ph.D. COURSE WORK FOR FACULTY

SERVING MRSPTU, BATHINDA MAIN CAMPUS GZSCCET,

BATHINDA

DECISION: It was decided that a candidate as a part time teacher (Lecture basis) is

allowed to register for Pre-Ph.D Courses.

ITEM NO. 01.09 RATIFICATION/APPROVAL OF EQUIVALENCE OF

SYLLABI ALREADY GRANTED.

DECISION: Ratified.

ITEM NO. 01.10 RATIFICATION/APPROVAL OF MIGRATION ORDERS.

DECISION: Ratified.

ITEM NO. 01.11 APPROVAL OF ACADEMIC CALENDER 2017 & THE LIST

OF HOLIDAYS FOR THE CALENDAR YEAR 2017.

DECISION: Approved & appended in **Annexure-II**. III IV

ITEM NO. 01.12 APPROVAL OF MoU WITH DIFFERENT BODIES/

ORGANISATIONS.

DECISION: Approved.

ITEM NO. 01.13 APPROVAL OF INCLUSION OF NEW MEMBERS IN

DIFFERENT BoS.

DECISION: Approved and it was further decided that if required, more members

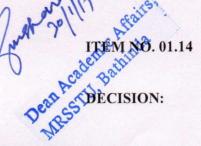
can be involved as special invitees.

ITEM NO. 01.14 INTIMATION OF APPROVAL OF MRSPTU, BATHINDA BY

AIU.

BECISION: Noted by the members.

Noted by the members.





MINUTES OF 1ST MEETING OF MRSPTU STANDING COMMITTEE OF ACADEMIC COUNCIL HELD ON 20.12.2016.

ITEM NO. 01.15

CHANGE IN CRITERIA TO RE-ESTABLISH EXAMINATION CENTRES.

DECISION:

Approved, if any examination centre is cancelled due to any reason, it may be considered for re-establishment after 1 year instead of 2 years.

General Decisions:

- 1. It was further decided that before putting the syllabus to Academic Council for approval, the syllabus is to be got approved in the meeting of concerned Faculty.
- 2. All regular faculty members possessing Ph.D. qualification are permitted to guide Ph.D. students. However, other conditions for approval of registered supervisors, as notified in Ph.D Regulations apply.
- 3. UGC nomenclature should be checked and implemented accordingly.
- 4. Uniformity in Internal and External marks distribution must be ensured.

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

DEAN

ACADEMIC AFFAIRS MRSPTU, BTI

> Dean Academic Affairs, MRSSTU, Bathinda

The minutes are placed for approval please.

VICE CHANCELLOR MRSPTU, BATHINDA

5/23

Annexure - I CBCS

1. PREAMBLE:

Maharaja Ranjit Singh Punjab Technical University, Bathinda (MRSPTU) has been established as an affiliating University vide Punjab Act No. 5 of 2015 notified through Punjab Government Gazette-Extraordinary (Regd. No. CHD/0092/2015-2017) notification No. 5-Leg./2015 dated 12th February, 2015.

Current evaluation system based on percentage of marks secured in the examinations in MRSPTU, Bathinda will be replaced with grading system called 'CHOICE BASED CREDIT SYSTEM' (CBCS) w.e.f. academic session 2016-17. This credit system of continuous evaluation is as per guidelines of UGC and pertains to relative evaluation of the student's performance instead of absolute evaluation. The student will have the flexibility to pick up open elective Courses out of a pool of Courses available across different departments, suitable to his/her taste, requirement and capability. He/she will have the option to drop a Course after registering for it at a later stage, if permitted under the rules. The performance of a student in a Course is measured in terms of Credit Points earned by him/her in that course. It is proposed to implement this CBCS for various Programmes - B. Tech., B. Arch., M. Tech., M.Sc., MBA, etc., being offered by MRSPTU in its Constituent/Affiliated Colleges. This Credit System, after necessary amendments, if any, and there after the approval of the competent authority, will be known as MRSPTU CHOICE BASED CREDIT SYSTEM-2016. The CBCS facilitates transfer of credits earned by a student across different Departments/Centres of other recognized/accredited universities or institutions of higher education in India and abroad. In Relative Grading System, the following two acute circumstances normally bothering the students are nullified.

- a) When majority of students score very high marks because, either the question paper is easy or the evaluator is very lenient.
- b) When majority of students score very low marks because, either the question paper is tough or the evaluator is very strict.

This Credit System will be implemented for students of 2016 batch and onwards. If the total number of students are equal to or less than 30 in a Course in MRSPTU, then Absolute Grading System will be followed. On the other hand, if total number of students are more than 30 in a Course in MRSPTU, then Relative Grading System will be followed. In Relative Grading System, grades will be awarded according to performance of students relative to their top peers in the same Course.

2. DEFINITIONS OF KEY TERMS:

- a) MRSPTU: Maharaja Ranjit Singh Punjab Technical University, Bathinda-151001.
- b) VICE CHANCELLOR: Vice Chancellor of MRSPTU.
- c) DEAN ACADEMIC AFFAIRS: Dean Academic Affairs of MRSPTU.
- d) PROGRAMME: Two/Three/Four/Five Year UG/PG Degree as applicable. It also includes Ph.D. Degree.

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

Page 1 of 11

Dean Academic Affairs,
MRSSTU, Bathinda



- e) BRANCH OF A PROGRAMME: For example: Mechanical Engineering, Civil Engineering are the branches of B. Tech. Programme.
- f) PROGRAMME CURRICULUM: Each Programme Curriculum contains, prescribed Course Structure known as Study Scheme. The Study Scheme consists of Courses grouped into various types, viz. Foundation Courses, Core Courses, Departmental Electives, Open Electives and Professional Skills.
- g) COURSE: Any subject (Theory/Practical) or a Project/Training/Field Work/Thesis/Seminars of the Curriculum of a Programme. Different Courses may have different credits allotted to them.
- h) COURSE SYLLABUS: A Course Syllabus contains,
 - Contents of study
 - > Course Code
 - > Course Nomenclature
 - L-T-P-C (Number of Hours/Week for: Lectures, Tutorials, Practicals, Credits)
 - > Course Prerequisites (if any)
 - Course Objectives
 - > Expected Outcomes
 - > Four Units in a Theory Course and the number of Lectures allotted to each unit
 - > Suggested Text and Reference Books
 - > Date of approval of Study Scheme by the Academic Council.
- i) BOARD OF STUDIES (BOS) OF A PROGRAMME: The BOS shall prepare and recommend the Curriculum of the Programme and submit it to Academic Council for approval. The term of BOS shall be for 2 years.
- j) PROGRAMME COORDINATOR: Chairperson BOS will be Programme Coordinator. He/she is deemed to own the Curriculum of the Programme Branch.
- i) COURSE COORDINATOR: The Dean Academic Affairs, MRSPTU shall nominate a faculty member as Course Coordinator for each Course of the Programmes being taught in the University/affiliated/constituent colleges. Course Coordinator should be teaching/have taught that Course. Course Coordinator will be heading a team of five faculty members across all Affiliated/Constituent colleges. The Committee is deemed to own that Course of the Programme. Its Chairperson will be Course Coordinator.

This team will decide, the contents of syllabus for 1st and 2nd midterm semester tests. It will ensure that the same quantum of Course Content is covered in each College before each midterm test. He/she will also prepare Assignment/Tutorial Sheets and provide a copy of it to every faculty member teaching that Course. This Committee will have its term for 2 years.

j) END SEMESTER UNIVERSITY EXAMINATIONS: External examinations conducted by MRSPTU at the end of a semester.

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA
Page 2 of 11

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- k) COURSE PLAN: Each faculty member will prepare a plan sheet in which he/she will record the topics to be covered/experiments to be performed in each lecture /tutorial/ lab, mode of delivery of lectures/tutorials and reference material to be used.
- 1) LETTER GRADES: Performance of a student in a Course is measured in terms of Letter Grades. Every Letter Grade has been given a numerical weight called Grade Point on a scale of 10 points.
- m) COURSE CREDITS: A class room Lecture/Tutorial of 60-minute duration per week is equivalent to one credit. A laboratory session/Practical or Field work/ Project or a combination of these of two hours per week is equivalent to one credit. Number of credits allotted to a Training/Project/Field Work/Thesis/Seminar Course will be decided by the concerned BOS.
- n) CREDIT POINTS: Performance of a student in a Course is measured in terms of Credit Points earned by the student in that Course.

Credit Point earned in a Course = Grade Point earned in that Course x Credits allotted to that Course.

o) SEMESTER GRADE POINT AVERAGE (SGPA): Performance of a student in a Semester is measured in terms of Semester Grade Point Average (SGPA), rounded up to two decimal places.

Total Credit Points earned by a student in a Semester Total Credits for the Courses registered by the student in that Semester

- p) CUMULATIVE GRADE POINT AVERAGE (CGPA): Overall cumulative performance of a student over all Semesters is measured in terms of 'Cumulative Grade Point Average' (CGPA), rounded up to two decimal places.
 - $CGPA = \frac{Total Credit Points earned by a student in all Semesters in a Programme}{Total Credits for the Courses registered by the student in that Programme}$
- q) GRADE CARD: After the end of every Semester, a student is issued a Grade Card depicting details of the Courses registered by him/her, which includes Course Titles, Course Codes, number of Credits allotted to that Course, Grades, SGPA and CGPA earned by the student up to end of that Semester.
- r) INTERNAL ASSESSMENT: It is continuous evaluation of the performance a student in a Course during a Semester in 2 midterm sessional tests, quizzes, assignments, projects, attendance, seminars and discussions, etc.
- s) L-T-P-C OF A COURSE: 2-1-2-4 means that Course consists of two Lecture Hours, one Tutorial Hour, two Laboratory Hours per week and the Course has been allotted 4 Credits. Number of Laboratory Hours per week to be allotted to any Laboratory Course will be decided by the concerned BOS.
- t) COURSE FLOWCHART: Pictorial representation to show how various Courses (Fundamental, Core, Departmental Elective, Open Elective) are connected through pre-requisites.

Dean Academic Affairs,
MRSSTU, Bathinda MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 3 of 11

- u) INTERPRETATION COMMITTEE: If any doubt/conflict arises in the interpretation of any of the Academic Regulations, the matter will be referred by the Vice Chancellor to the Interpretation Committee for its interpretation. Final decision lies with the Vice Chancellor.
- v) AWARD OF DEGREE: A student will be awarded Degree after the end of the Programme when he/she fulfils the requirements to earn that Degree.

3. DURATION OF A PROGRAMME:

A Programme of N academic year duration is divided into 2N semesters. Each semester consists of 15-18 weeks of academic work equivalent to 90 actual teaching days. Odd semester is scheduled from July to December and Even semester from January to June. Maximum duration allowed for a student to complete his/her Degree is N+2 academic years, where N stands for the minimum academic years required to earn the Degree.

4. END SEMESTER UNIVERSITY EXAMINATIONS:

a) GENERAL:

- (i) End Semester University examinations shall be held by MRSPTU as per Date Sheet announced on its website and the Study Scheme of the Programme.
- (ii) The College/Institute office shall display on its Notice Board, the schedule of examination/date sheet etc. as soon as it is received from the University. The University will notify the date sheet of the End Semester examinations, preferably fifteen days before the start of the examinations.
- (iii) The medium of instruction and examination shall be English.
- b) ELIGIBILITY CRITERIA TO APPEAR IN END SEMESTER UNIVERSITY EXAMINATION OF A COURSE: The student must have registered for that Course and has attended at least 75% of contact hours in that Course for becoming eligible to appear in the End Semester University Examination. He/she should not have any dues pending towards him/her.

5. EVALUATION SYSTEM - CHOICE BASED CREDIT SYSTEM:

- a) UG DEGREE PROGRAMME STRUCTURE: Each UG Degree Programme consists of Fundamental (F), Core (C), Departmental Electives (E), Open Elective (O), Professional Skills (S) and Training/Project Work Courses.
- b) PG DEGREE PROGRAMME STRUCTURE: Each PG Degree Programme consists of Core (C), Departmental Electives (E), Open Elective (O), Project Work/Thesis and Professional Skills (S) Courses.
- c) CORE COURSES (C): Core Courses comprise of Theory/Practical subjects, projects/thesis, seminars, visits, discussions, studio and Field work, etc. These Courses include Courses of basic sciences and humanities. Around 65% Credits of the Programme are assigned to Department Specific Courses and about 15% Credits of the Programme are allotted to Courses from the arena of basic sciences and humanities, wherever applicable. These are compulsory Courses.
- d) DEPARTMENTAL ELECTIVES (E): These Courses are offered to a student by his/her own department. He/she has to choose any of these Courses out of the basket

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA
Page 4 of 11

(7/23)

Affairs

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Affairs

Page 4 of 11

- of Courses offered by his/her department. Around 20% of the total Credits of the Programme are earmarked for these Courses.
- e) OPEN ELECTIVES (O): These Courses are offered by a department to students of other departments. This provides resilience to the technical education system and generates interest for learning among the students. He/she has to choose any of these Courses out of the pool of Courses offered by the other departments. Around 8% of the total Credits of the Programme are earmarked for these Courses.
- f) PROFESSIONAL SKILLS COURSES (S):

One Credit Course of Professional Skills at UG level may be offered in various semesters to build up the aptitude of the students progressively, which includes,

- (i) Human Values,
- (ii) Written and Oral Communication Skills,
- (iii) Personality Development.

Contents for the above will be different for different semesters.

One Credit Course for technical writing, presentation and personality development in various semesters and evaluation based on midterm papers and presentation of 10 minutes may be added at PG level.

- g) Each Semester consists of Theory Courses and Lab/Seminar/Project/Training/Thesis Courses as given in illustration in Table-I.
- h) 1st academic year of Four Year Degree Programme will have 50 Credits.
- i) Total Credits in a Programme will be N x 45, where N stands for the minimum of academic years required to earn the Degree.
- j) F, C, E Courses are of 3L+1T type and are of 4 Credits each. O Courses are of 3L type and are of 3 Credits each. S Courses are of 1P type and are of 1 Credit each.
- k) Credits for Lab/Seminar/Project/Training/Thesis Courses etc. are to be decided by concerned BOS. BOS may deviate from the distribution shown in Table-I for fine tuning/special reasons.
- 1) A Lab/Workshop/Drawing/Studio Course may be of more than two hrs. duration.
- m) In PG Degree Programmes where thesis work is not feasible, BOS of that Programme may add more Core Courses in the Curriculum.
- 6. GENERAL GUIDELINES FOR CURRICULUM OF A FOUR YEAR BACHELOR DEGREE PROGRAMME: An illustration is given below in Table-I for distribution of various Courses of a Four Year Bachelor Degree Programme. BOS may redistribute these subjects.
 - a) Training-I: In house 4-week training during summer vacation after 2nd sem.
 - b) Training-II: In house/Ind. 6-week training during summer vacation after 4th sem.
 - c) Training-III: In house/Ind. 8-week training during summer vacation after 6th sem.

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 5 of 11

Dean Academic Affairs,
MRSSTU, Bathinda

(10/23)

						TABLE-I				
Sem.		Fundamental (F)		ore C)	Deptt. Elective	Open Elective	Profess. Skills	Training/ Project/	Total Contact	Total Credits
	Th.	Lab.	Th.	Lab.	(E)	(0)	(S)	Thesis	Hrs.	
1	5 (20)	4 (5)			j. ***	***			30	25
II	5 (20)	3 (5)	-				***		30	25
Ш			4 (16)	2 (2)	1 (2)		1 (1)	Training-I (2)	25	23
IV			4 (16)	(2)	(3)		(1)		24	22
V		1.10	3 (12)	2 (2)	(2)	(3)	1 (1)	Training-II (3)	25	23
VI			2 (8)	2 (2)	(8)	(3)	1 (1)		24	2,2
VII			2 (8)	2 (2)	1 (4)	(3)		Training-III (4) + Project-I (4)	19	25
VIII			1 (4)	1 (1)	1 (4)			Project-II (6)	10	15
					Total C	redits				180

- 7. GENERAL GUIDELINES FOR CURRICULUM OF A THREE/FIVE YEAR BACHELOR DEGREE PROGRAMME: For Three Year Bachelor Degree Programmes: BBA, B.Com., BCA, etc. and for Five Year Bachelor Degree Programme: B.Arch., the concerned BOS may decide Courses of its own by following the concept of Fundamental (F), Core (C), Departmental Electives (E), Open Elective (O), Professional skills (S) and Training/Project Work/Seminar Courses, as illustrated in the Table-I.
- 8. GENERAL GUIDELINES FOR CURRICULUM OF M.TECH. & OTHER TWO YEAR PG DEGREE PROGRAMMES WITH THESIS: An illustration is given below in Table-II for distribution of various Courses of M. Tech. & other Two Year Degree Programmes with Thesis. BOS may redistribute these subjects.

Sem.		mental F)		ore C)	Deptt. Elective	Open Elective	Professional Skills	Training/ Project/	Total Contact	Total Credits	
	Th.	Lab.	Th.	Lab.	(E)	(O)	(S)	Thesis	Hrs.		
1			3 (12)	1 (2)	(8)				26	22	
II			2 (8)	1 (2)	2 (8)	1 (4)			26	. 22	
Ш					1 (4)	1 (4)	1 (4)	Project + seminar (10+4)	12	26	
IV								Thesis (20)	****	20	्रहरू
					Total	Credits				90	a ich
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Sem.	Fundamental (F)				Deptt. Elective		Soft Skills	Training/ Project/	Total Contact	Total Credits
	Th.	Lab.	Th.	Lab.	(E)	(O)	(S)	Thesis	Hrs.	
1			3 (12)	2 (4)	(4)	1 (3)		••	27	23
П			3 (12)	1 (2)	2 (8)		1 (1)		25	23
Ш			3 (12)	2 (4)	1 (4)	(3)	1 (1)		28	24
IV			2 (8)	1 (2)	-		-	Project + Seminar (10)	22	20
644624					Total Ci	redits		rection by the second		90

9. REGISTRATION FOR COURSES:

- a) Before the start of registration for Courses by students for a semester, every department of each college will announce its Departmental and Open Electives being offered, on its website.
- b) Registration dates will be announced by University on its website.
- c) Before a student can register for a particular Course, he/she should have fulfilled conditions of pre-requisite (if applicable) attached to that Course.
- d) If more than 80 students register for a Course, then class will be split into two sections.
- e) Online registration procedure will be adopted.
- f) Departmental/Open Elective Course will be run in a college, only if minimum 15 students have registered for this Course.
- g) Every student has to register for minimum 15 Credits and maximum 35 Credits in a semester, in a UG Programme. However, maximum limit of 35 Credits is allowed only in any two semesters. Condition of minimum credits is not applicable in final semester.
- h) Every student has to register for minimum 12 Credits and maximum 35 Credits in a semester, in a PG Programme. However, maximum limit of 35 Credits is allowed only in any two semesters. Condition of minimum credits is not applicable in final semester.
- i) If a student wants to drop any Course registered by him/her for a semester, he/she may do so before the start of first sessional test in that semester provided he/she fulfills the condition specified in subsection 9 (c).
- j) Lab Courses, seminars, projects etc. may be added in a semester by BOS as per need of the Courses being taught in that semester.
- k) Each midterm internal assessment test will be of 1.5 hrs duration.
- 1) Each End Term University Examination will be of three hrs or as specified.

MAHARAJA RANJÍT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 7 of 11

12/23) Dea

Dean Academic Affairs
MRSSTU, Bathinda

- m) A student is eligible to register for reappear examination of a Course only in that semester in which that Course is being offered.
- n) The student should obtain at least 25% marks in external University examination in a course to qualify it.
- o) The average internal assessment marks submitted by a teacher of his/her class in a particular Course (subject) must not be greater than 75%. If The average internal assessment marks submitted by a teacher of his/her class in a particular Course (subject) is greater than 75%, then the teacher will have to submit the complete academic record (attendance register, MST answer sheets and assignments etc.) of that class to the University.

10. ELIGIBILITY CRITERIA FOR PROMOTION TO NEXT ACADEMIC YEAR AND EARN THE DEGREE:

- a) A student is required to earn at least 25% of the credits registered by him/her in an academic year, failing which he/she will be declared failed in that academic year. He/she will have to seek readmission to the odd semester of the academic year.
- b) A student has to earn ≥ 30% marks in a Course to qualify it, failing which he/she will be declared failed in that Course. A failed student has to repeat the Course by appearing in continuous evaluation tests, quizzes etc. during the semester and End Semester University Examination.
- c) If a student fails in Departmental Elective/Open Elective Course, he/she has the option to repeat the same Course by appearing in continuous evaluation tests, quizzes etc. during the semester and End Semester University Examination or choose another Departmental Elective/Open Elective Course.
- d) In a Programme of more than 2 years, a student can register for Courses of 5th semester only after clearing his/her all Courses of 1st semester. A student can register for Courses of 6th semester only after clearing his/her all Courses of 2nd semester.
- e) Total Credits mentioned for Study Scheme of any Programme are the minimum Credits to be earned to qualify the Programme. However, one can register for maximum 200 Credits in a UG Programme and maximum 100 Credits in a PG Programme.
- f) In the beginning of syllabus of each Open Elective Course, it should be clearly mentioned, whether there is any Pre-requisite or not for this Course.
- g) Minimum 5.0 CGPA will be required to qualify the Programme.

11. RELATIVE GRADING SYSTEM:

At the end of the semester, for every Course registered by a student, he/she is assigned a Letter Grade (Table-IV) based on his/her overall performance based on his/her continuous evaluation during the semester and End Semester University Examinations. over the semester in all the assessments carried out in that Course.

- a) Relative grading system for a Course will be followed, when the total number of students in all colleges registering for a that Course are more than 30. Otherwise, Absolute Grading System shall be followed.

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA MARSSTU, Bathinda Page 8 of 11

13/23

MRSSTU, Bathinda

MRSSTU, Bathinda

- c) For every Course, a student is required to have at least 75% attendance to appear in the End Semester University Examination.
- d) If the value of \overline{X} -1.5SD comes out to be less than 30, then the student will have to secure minimum 30 marks to qualify the course (pass grade E).
- e) If the value of \overline{X} -1.5SD comes out to be more than 40, then the student will have to secure minimum 40 marks to qualify the course (pass grade E).
- f) If the value of \overline{X} -1.5SD comes out to be greater than 30 but less than 40, then the student will have to secure minimum \overline{X} -1.5SD marks (MIN) to qualify the course (pass grade E).
- g) Any student who has obtained F grade in any of the Courses, he/she will have to repeat that Course by appearing in both internal and external examinations during the maximum tenure of the Programme (N+2 years, where N is the no. of years of Programme. For example, N = 4 for 4-year B. Tech. Programme). His/her grade in that Course shall be calculated based on the performance of the regular students along which he/she is appearing for improvement. However, he/she will not have to attend classes again. The new grade of the student shall be calculated on the basis of the group of students appearing that particular Course, in that particular Semester in that academic session.
- h) Average \overline{X} will be calculated up to second decimal.
- i) A student who wants to reappear in a particular Course, will be given the grade by considering him/her in the group of students who are appearing in that examination at that time. Such a student wanting to reappear will have to appear both in internal tests, submit assignments etc. for continuous evaluation and in end semester examination.

			TABLE-IV		
Letter Grade/ Performance Grade given in a Course	Grade Point earned	Academic Performance in a Course	Relative Grading Formula X _i =Marks obtained by a candidate in a Course in the University,	Added Constraint for award of the Grade	
			X=Average marks in a Course in the University N=Total students in a Course in the University, MIN=X-1.5SD =Minimum marks required to pass a Course		
A*	10	Outstanding	$X_i > \overline{X} + 1.5SD$	Marks X _i >85%	
A	9	Excellent	$\overline{X} + 1.5 \text{SD} \ge X_i > \overline{X} + 1.0 \text{SD}$	In order to obtain grade E of higher grade in a Course,	
. B+	8	Very Good	$\overline{\overline{X}} + 1.0 \text{SD} \ge X_i > \overline{\overline{X}} + 0.5 \text{SD}$	the student must obtain at	
В	7	Good	$\overline{X} + 0.5SD \ge X_i > \overline{X}$	least 25% marks in End Semester external	

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 9 of 11

(14/23)

Dean Academic Affairs,
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С	6	Average	$\overline{X} \ge X_i > \overline{X} - 0.5SD$	University examination in it otherwise he/she would get	
D	5	Below Average	\overline{X} -0.5SD $\geq X_i > \overline{X}$ -1.0S D	grade F.	
E	4	Pass	\overline{X} -1.0SD $\geq X_i > MIN$		
F	0	Fail/	MIN>X;, (If MIN≥40 then MIN=40, If MIN<30 then MIN=30)	11 (d), (e), (f), (g).	
R	0	Detained on attendance basis		Detained on attendance basis & is required to repeat Course by attending classes when the Course is offered.	

j) After completing the requisite number of credits to obtain a Degree/Diploma, if a student wishes to improve his/her CGPA, he/she will be allowed to do so in maximum five theory subjects already studied by him earlier. This permission to improve is subject to the condition that he/she has cleared all his/her subjects and during the maximum tenure of the Programme (N+2 years, where N is the no. of years of Programme. For example, N = 4 for 4-year B. Tech. Programme). His/her grade in that Course shall be calculated based on the performance of the regular students along which he/she is appearing for improvement.

Standard Deviation SD =
$$\sqrt{\frac{\sum_{j=1}^{i=N} (X_i - \overline{X})^2}{N}}$$

12. MARKS DISTRIBUTION FOR THEORY COURSE:

a) Internal Assessment: Maximum Marks: 40

Distribution of Internal Assessment will be as follow:

Mid Term Sessional Tests 60%

Assignments & Tutorial Sheets (Minimum 5) 25%

Written Quizzes 15%

b) End Semester External University Examination: Maximum Marks: 60

MARKS DISTRIBUTION FOR LAB COURSE:

Internal Assessment: Maximum Marks: 60

End Semester Lab. Course External Examination: Maximum Marks: 40

13. All study schemes should allot 100 marks for each Course.

14. EVALUATION FOR LAB COURSES: Evaluation of performance of a student in a semester is as given below in Table-V,

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 10 of 11

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T. T	ABLE-V	建设设施设施		
Internal Assessment (interna	ıl)	End Semester Univ. Examination		
Component	Marks	Component	Marks	
Record Marks based on continuous assessment of Lab/practical work, considering regularity and timely submission of lab record (i.e. practical note book)	30	Viva/Questionnaire of 20 marks by the External Examiner	20	
Viva Voce/Quiz/Assignments/Mini Project	30	Evaluation of Answer sheet of 20 marks of the Practical Examination by the External Examiner.	20	

15. ABSOLUTE GRADING SYSTEM:

In absolute grading system CGPA x 10.0 = % Marks

			TABLE-VI	
Letter Grade/ Performance Grade given in a Course	Grade Point earned	Academic Performance in a Course	M = %Marks obtained	Added constraint for award of the Grade
A ⁺	10	Outstanding	X _i >90	In order to obtain grade E or higher grade in a Course, the
Α	9	Excellent	80 <x<sub>i≤90</x<sub>	student must obtain at least 25% marks in End semester external
B ⁺	8	Very Good	70 <x<sub>i≤80</x<sub>	examination, otherwise he/she would get grade F
В	7	Good	60 <x<sub>i≤70</x<sub>	
C	6	Average	50 <x<sub>i≤60</x<sub>	
D	5	Below Average	45< X _i ≤50	
Е	4	Pass	40≤ X _i ≤45	
F	0	Fail	40> X _i	Student will get F in a Course when he/she earns <40 Marks
R	0	Detained on attendance basis		Detained on attendance basis & is required to repeat Course by attending classes when the Course is offered

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA Page 11 of 11

MRSSTU, Bathinda

(16/23)

Annexure - II Academic Calendar 2017



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)]

Ref-No. DAA/MRSDTU/702

Dete: 24/01/2017

Academic Calendar 2017

S. No.	Event	Date
Even Sem	nester	
1.	Start of Semester	3 rd Jan-2017
2.	1 st Mid Semester Test	21st -25th Feb-2017
3.	2 nd Mid Semester Test	18 th -22 nd April-2017
4.	Classes up to	6 th May-2017
5.	End Semester Examinations	9th May-2017 onwards
6.	Practical Examinations	Immediately after the regular Examinations of classes
7.	Summer Vacation	12 th June - 11 th July-2017
Odd Sem	ester	
1,	Start of Semester	17 th July-2017
2.	1 st Mid Semester Test	18 th -22 nd Sept2017
3.	2 nd Mid Semester Test	13 th -17 th Nov-2017
4.	Classes up to	30 th Nov-2017
5.	End Semester Examinations	5 th Dec-2017
6.	Practical Examinations	Immediate after the regular Examinations of classes
7.	Winter Vacation	22 nd Dec-2017 - 2 nd Jan-2018

Note: All the Institutes must ensure 90 teaching days. To ensure 90 teaching days, classes should be held on Saturdays also, if needed.

Dean Academic Affairs, MRSSTU, Bathinda





(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

Ref. No. Reg./Notification/Admin./061/413

Dated: 20-01-2017

NOTIFICATION

It is hereby notified that the holidays as listed below shall be observed as Public Holidays by Administrative (Non-vacational) Staff of the University and its Constituent Colleges/PIT(s)/Affiliated Colleges during the Calendar Year 2017.

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
. 1	All Saturdays		
2	All Sundays		

Public/Gazetted Holidays

5 th January 26 th January 1 st February 10 th February 24 th February 13 th March	Thursday Thursday Wednesday Friday
1 st February 10 th February 24 th February	Wednesday
10 th February 24 th February	Wednesday
24 th February	Friday
13 th March	Friday
	Monday
23 rd March	Thursday
4 th April	Tuesday
9 th April	Sunday
13 th April	Thursday
14 th April	Friday
14 th April	Friday
29 th April	Saturday
1 st May	Monday
29 th May	Monday
9 th June	Friday
26 th June	Monday
31st July	Monday
15 th August	Tuesday
15 th August	Tuesday Tuesday Dean Acade
	15 th August



(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
21	Parkash Utsav Sri Guru Granth Sahib Ji	22 nd August	Tuesday
22	Birthday of Baba Sri Chand Ji	30 th August	Wednesday
23	Id-ul-Zuha (Bakrid)	2 nd September	Saturday
24	Maharaj Agarsain Jayanti	21th September	Thursday
25	Birthday of S. Bhagat Singh Ji	28 th September	Thursday
26	Dussehra	30 th September	Saturday
. 27	Birthday of Mahatma Gandhi Ji	2 nd October	Monday
28	Birthday of Maharishi Valmiki Ji	5 th October	Thursday
29	Parkash Gurpurab of Sri Guru Ram Dass Ji	7 th October	Saturday
30	Diwali	19th October	Thursday
31	Vishwakarma Day	20th October	Friday
32	Parkash Gurpurab of Sri Guru Nanak Dev Ji	4 th November	Saturday
33	Shahidi Divas S. Kartar Singh Srabha Ji	16 th November	Thursday
34	Martyrdom Day of Sri Guru Teg Bahadur Ji	23 rd November	Thursday
35	Christmas day	25 th December	Monday

 The University/Colleges shall open at 11:00 am on account of Raksha Bandhan and Bhai Dooj as and when these occasions fall.

Restricted Holidays

Besides above holidays, each employee will also be permitted to avail himself/herself any two (2) holidays to be chosen by him/her out of the Restricted Holidays below during the Calendar Year 2017.

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
1	New Year Day	1 st January	Sunday
2	Lohri	13 th January	Friday
3	Nirwan Diwas of Bhagwan Adinath ji	26 th January	Thursday
4 -	International Women Day	8 th March	Wednesday
5	Holla Mohalla	13th March	Monday
6	Buddh Purnima	ASSa 10th May	Wednesday
7	Nirjala Ekadashi	dentic indosth June	Monday
8	Death Anniversary of Manarajac Ranjit Singh	13th March Affa 10th May ade mic Affa 10th June 29th June	Thursday

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(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
9	Birthday of BabaJiwan Singh Ji	5 th September	Tuesday
10	Anant Chaturdashi	5 th September	Tuesday
11	Muharram ¹	1 st October	Sunday
12	Karva Chauth	8th October	Sunday
13	Birthday of Baba Banda Singh Ji Bahadur	16 th October	Monday
14	GoverdhanPooja	20th October	Friday
15	Birthday of Sant Nam Dev Ji	31st October	Tuesday
16	New Punjab Day	1 st November	Wednesday
17	Birthday of Prophet Mohammad Sahib (Milad-un-Nabi or Id-e-Milad)	2 nd December	Saturday
18	Jor Mela Sri Fatehgarh Sahib	25 th , 26 th & 27 th December	Monday, Tuesday & Wednesday

Registrar

Copy to:

1. PA to Vice Chancellor, Maharaj Ranjit Singh Punjab Technical University, Bathinda.

2. Campus Director, GZSCCET, Bathinda.

- 3. Dean: Academic Affairs, R & D, Student Welfare and Planning & Development.
- 4. Directors: College Development Council, IQAC, Training & Placement, Sports & Youth Welfare, PIT (Nandgarh), PIT (GTB Garh) Moga, PIT (Rajpura), PIT (Mansa).

5. Controller of Examinations and Public Relations Officer.

6. HODs: Electrical Engg., Electronics & Communication Engg., Pharmacy, Mechanical Engg., Computer Sc. & Engg., Civil Engg., Text. Engg., Architecture, Applied Mathematics, Applied Chemistry, Applied Physics and Computer Applications.

7. Director, Centre for IT Enables Services to upload on University Website.

8. Chief Warden.

9. Dy. Registrar (Admin.), (Store & Purchase) & (A/cs) and Asstt. Registrar (A/cs.).

10. Incharge: Humanities & Management, Estate, Horticulture, Security, Library, Dispensary, Workshop, Transport & Guest House.

Registrar

Dean Academic Affairs

(20/23)

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(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

Ref. No. Reg./Notification/ Teaching/ 60/4/2

Dated: 30-01- 2017

NOTIFICATION

It is hereby notified that the holidays as listed below shall be observed as Public Holidays by Vacational and Non-vacational Staff working in the teaching departments of the University and its Constituent Colleges/PIT(s)/Affiliated Colleges during the Calendar Year 2017.

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
1	All Saturdays		
2	All Sundays		

Public/Gazetted Holidays

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
1.	Parkash Gurpurab Sri Guru Gobind Singh Ji	5 th January	Thursday
2.	Republic Day	26 th January	Thursday
- 3.	Birthday of Sri Guru Ravidas Ji	10 th February	Friday
4.	Maha Shivaratri	24 th February	Friday
5.	Holi	13 th March	Monday
6.	Shahidi Divas S. Bhagat Singh Ji	23 rd March	Thursday
7.	Mahavir Jayanti	9 th April	Sunday
8.	Vaisakhi	13 th April	Thursday
9.	Good Friday/Birthday of Dr. B.R. Ambedkar	14 th April	Friday
10.	Martyrdom Day of Sri Guru Arjan Dev Ji	29 th May	Monday
11.	Idu'l Fitr	26 th June	Monday
12.	Independence Day and Janmashtami	15 th August	Tuesday
13.	Id-ul-Zuha (Bakrid)	2 nd September	Saturday
14.	Dussehra	30 th September	Saturday
15.	Birthday of Mahatma Gandhi Ji	2 nd October	Monday
16.	Birthday of Maharishi Valmiki Ji	5 th October	Thursday
17.	Diwali	19th October	Thursday
18.	Vishwakarma Day	20 th October	Friday
19.	Parkash Gurpurab of Sri Guru Nanak Dev Ji	4 th November	Saturday
20.	Christmas day	25 th December	Monday

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Dean Academic Affairs,



(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

1. The University/Colleges shall open at 11:00 am on account of Raksha Bandhan and Bhai Dooj as and when these occasions fall.

2. In order to compensate for lesser number of Gazetted Holidays, Non-vacational staff working in the teaching departments shall be entitled for eleven (11) Compensatory Leaves to be availed during vacations, not less than three (3) at a time.

Restricted Holidays

Besides above holidays, each employee will also be permitted to avail himself/herself any three (3) holidays to be chosen by him/her out of the Restricted Holidays below during the Calendar Year 2017.

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
1.	New Year Day	1 st January	Sunday
2.	Lohri	13 th January	Friday
3.	Nirwan Diwas of Bhagwan Adinath ji	26 th January	Thursday
4.	Basant Panchmi / Birthday of Satguru Ram Singh Ji	1st February	Wednesday
5.	International Women Day	8 th March	Wednesday
6.	Holla Mohalla	13 th March	Monday
7.	Ram Navami	4 th April	Tuesday
8.	Lord Parshuram Jayanti	28 th April	Friday
9.	May Day	1 st May	Monday
10.	Buddh Purnima	10 th May	Wednesday
11.	Nirjala Ekadashi	5 th June	Monday
12.	Kabir Jayanti	9 th June	Friday
13.	Death Anniversary of Maharaja Ranjit Singh Ji	29th June	Thursday
14.	Martyrdom Day of Shahid Udham Singh	31st July	Monday
15.	Parkash Utsav Sri Guru Granth Sahib Ji	22 nd August	Tuesday
16.	Birthday of Baba Sri Chand Ji	30 th August	Wednesday
17.	Birthday of BabaJiwan Singh Ji Anant Chaturdashi	5 th September	Tuesday
18.	Maharaj Agarsain Jayanti	21th September	Thursday
19.	Birthday of S. Bhagat Singh Ji	28 th September	Thursday
20.	Muharram	1st October	Sunday
21.	Parkash Gurpural of Sri Guru Ray Dass Ji	Affaith October	Saturday

Website: mrsptu.ac.in, Ph. No 0764 200714 Bathi 37, Email: reg@:nrsstu.ac.in



(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015)

S. No.	Name of the Holiday(s)	Date on which they fall	Day of the week
22.	Karva Chauth	8 th October	Sunday
23.	Birthday of Baba Banda Singh Ji Bahadur	16 th October	Monday
24.	GoverdhanPooja	20th October	Friday
25.	Birthday of Sant Nam Dev Ji	31st October	Tuesday
26.	New Punjab Day	1st November	Wednesday
27.	Shahidi Divas S. Kartar Singh Srabha Ji	16 th November	Thursday
28.	Martyrdom Day of Sri Guru Teg Bahadur Ji	23 rd November	Thursday
29.	Birthday of Prophet Mohammad Sahib (Milad-un-Nabi or Id-e-Milad)	2 nd December	Saturday
30.	Jor Mela Sri Fatehgarh Sahib	25 th , 26 th & 27 th December	Monday, Tuesday & Wednesday

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Dean Academic Affairs 23/23

Registrar