

ORDINANCES

FOR

SIX YEAR B.TECH – M.B.A. INTEGRATED PROGRAMME

Computer Science Engineering (CSE), Mechanical Engineering (ME), Electronics & Communication Engineering (ECE) and Civil Engineering

Note: To be implemented from **Admission Batch 2018 Onwards**.

1. The courses for Six Year B. Tech. – M.B.A. Integrated Program (Computer Science and Engineering, Mechanical Engineering, Electronics & Communication Engineering and Civil Engineering) shall be spread over six academic years consisting of twelve semesters ranging I to XII (Twelve Semesters). The end-semester examination for I, III, V and VII, IX, XI semesters i.e. odd Semesters shall be held in the month of November/December and for the II, IV, VI, VIII, X and XII semesters i.e. even Semesters in the month of May/June or on other dates as may be decided by Punjabi University. For those students who will pursue the sixth year at Wilkes University, USA, their examinations for XI and XII Semesters* shall be conducted by Wilkes University, USA as per the academic regulations of that University. For those students who will pursue the fifth and sixth year at Punjabi University, they will be governed by the rules and regulations of Punjabi University.
(*At Wilkes University, XI and XII semesters may be offered as three short semesters during the course of fifth year of Integrated Programme).

(A) The student will have to undertake eight semesters of course work in Engineering discipline at concerned department of the Punjabi University, Patiala, and four semesters of course work in Management Program as per following options:

First option: After completing four year B. Tech. Degree, a student can opt for two years M.B.A. (Dual Degree) program of the School of Management, Punjabi University, Patiala, whereby, the student will have to pursue one year M.B.A. program at Punjabi University, Patiala and the subsequent year of this Program at Wilkes University, USA.

Second option: After completing four year B. Tech. Degree, a student can opt for two year M.B.A. (International Business) program offered by the School of Management, Punjabi University, Patiala.

Third option: After completing four year B. Tech. Degree, a student can opt for one year M.B.A. programme at Wilkes University, USA. These students will have to pursue additional courses during summer semesters after the third and fourth year (during summer vacations) of B. Tech. program, as per academic requirements of Wilkes University, USA.

Fourth Option: The candidate can opt out of the integrated programme after the completion of four years B. Tech. Degree.

Every student enrolled in the Six Year Integrated B. Tech. – M.B.A. Program has to give consent for any one of the above four options in writing in the beginning of the Third Year, B. Tech.

- i. The academic rules and regulations pertaining to Engineering wing of Punjabi University will be applicable to the student during first eight semesters, while the student will be governed by academic rules and regulations of either, the School of Management, Punjabi University, Patiala or the Wilkes University, USA or a combination of both depending upon the option taken by the student during the remaining four semesters. The course fee as decided by the Punjabi University will be applicable to the students from time to time. The course-fee as decided by Wilkes University will be applicable to students opting to do one year course work for completion of M.B.A. Degree at the Wilkes University, USA.

- ii. **Placement:** All the students of integrated Program will become eligible for Campus placements in Pre-final (Third Year) and Final year (Fourth year) subject to other academic conditions as applicable to B. Tech. Degree program.
- (B) If the student opts for pursuing M.B.A. at Wilkes University, USA, it will be student's responsibility to get the VISA and other clearances for studying in the USA. In case VISA to student is denied by USA embassy or due to other justifiable reasons (accepted by university) the student could not study at Wilkes University, then such a student can complete his/her two year M.B.A. Degree at the Punjabi University (main campus) according to the rules and regulations of Punjabi University, Patiala.
- (C) A student choosing the third option mentioned at (A) is required to attend summer semester courses to be offered by the School of Management, Punjabi University, Patiala as described below.
- i. **Summer Semester after B. Tech. Third Year:** The students will have to undertake two compulsory courses to fulfill the requirements of Management Program at Wilkes University, USA. These courses include: MBA-501 Foundations of Business and One non-credit course for transition to American culture, language, rules and practices. The students will have to pursue these courses during the summer vacations following the ending of the B. Tech. third year. This course will be over and above the courses offered in the B. Tech. Program. A separate Detailed Marks Card (DMC) will be issued to the students for these papers indicating the grades obtained by the students in these subjects. However, these papers will not be included in calculation of Cumulative Grade Point Average (CGPA) of B. Tech. Program.

The non-credit course for transition to American culture, language, rules and practices will be offered to the students by either the faculty from Wilkes University or other suitable arrangement will be done.

- ii. **Summer Semester after B. Tech. 4th Year:** Besides the aforesaid papers, the student will be required to undertake twelve papers towards fulfilling the requirements of second year of M.B.A. Program of the Wilkes University. Out of these twelve papers, three papers will be offered to the student at Punjabi University during the summer vacations following the fourth year of the B. Tech. Program. These papers will be over and above the courses offered for the B. Tech. Program. A separate DMC will be issued to the student for these papers indicating the grades obtained by the students in these subjects. However, these papers will not be included in calculation of CGPA of B. Tech. Program. In addition to the aforesaid three papers, the students will be required to undertake nine additional papers towards completing the requirements of the M.B.A. Program of the Wilkes University.
 - iii. The evaluation for the summer semester courses will be totally internal.
2. The outlines of syllabi, tests and the credits to a paper/subject shall be prescribed by the University from time to time.
 3. The candidate shall be required to submit duly completed admission and examination forms along with applicable fee as per prescribed norms within the stipulated specified period in each of the semesters to the department/ University.
 4. The medium of examination shall be English for all papers except the Punjabi subject.
 5. There will be a designated paper instructor/committee for each of the theory/practical paper. This committee shall comprise of concerned faculty members who have taught the said paper during the current semester.

6. Distribution of Marks in theory and practical papers, Grading Definitions, Passing criteria, Detainee criteria and Improvement conditions will as per the details in following subsections:-

(A). For each subject/paper (Theory/Practical) the weightage of Mid Term Tests, End Semester Examination and other components of student's evaluation shall be as under:-

Particulars of Examination	Maximum Marks	Duration
1.Theory Papers		
Internal		
First Mid Semester Test	15	1 Hour
Second Mid Semester Test	15	1 Hour
Continuous Evaluation: Assignments/ Surprise Tests/ Quizzes/ Day-to-Day Performance	10	
Attendance *	10	
External		
End Semester Examination	50	3 Hours
2.Practical Papers		
(Internal totally)		
Intermediate Evaluation	30	
Continuous Evaluation: Surprise test, Quizzes / Day to Day Performance	10	
Attendance *	10	
End Semester Examination:		
Performance and report writing	30	
Viva Voice	20	

Marks of Attendance shall be awarded to the students as following pattern:

Student having attendance 75% or more but less than 80% 06 Marks.

Student having attendance 80% or more but less than 85% 08 Marks

Student having attendance 85% or More 10 Marks

In the theory papers, the Paper Instructor/committee for a paper will display the marks secured by a student out of 50 in internal examination with all breakup details at the end of the semester on the Departmental Notice Board. The end semester examination of 50 marks will be conducted by Examination branch of Punjabi University. After getting the theory paper checked, a list of total 100 marks (Comprising of 50 Internal and 50 External Marks) will be prepared and letter grades will be awarded by Examination branch of Punjabi University. The students will be declared passed in a theory paper if he/she secures minimum 40% marks in each of the Internal and External Examinations separately. If a student fails to secure minimum prescribed 40% marks in either of Internal or External Examination, then result of such a paper will be declared as failed.

Whereas, in the practical papers, the faculty involved will be responsible for the display marks compilation of total secured marks out of 100 Marks after the conduct of final practical examination. The student will be declared passed in a practical subject if he/she secures a minimum 40% marks in the Continuous Assessment & End Semester Examination jointly. All internal assessment of theory & practical awards has to be submitted within 10 days of the commencement of end semester examination of theory.

Fraction of marks in theory and practical examinations should be rounded up (e.g. 90.01 = 90) after the last totaling and not at the end of each assessment during the semester.

- (B). The grace marks shall be allowed to the student as per general ordinances of Punjabi University, Patiala relating to 'Award of Grace Marks'.
- (C). The examination branch of Punjabi University, Patiala will award one of Letter Grades and corresponding Grade Points to each student in each paper as per the range of marks obtained specified in the first column of the table given below:

Marks Obtained (Out of 100)	Letter Grade	Performance	Grade Point
91-100	O	Outstanding	10
81-90	A+	Excellent	9
71-80	A	Very Good	8
61-70	B+	Good	7
51-60	B	Above Average	6
41-50	C	Average	5
40	P	Fair	4
Less than 40	F	Fail	0
Detained	D	Detained	0

Note: Amended from Session 2014-15 onwards.

Here, each letter grade indicates the level of performance of a student in a paper and has a grade point for the purpose of computing the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

SGPA is the weighted average of all the grades awarded to a student in a given semester and computed as follows:

$$SGPA = \frac{\sum(C_i G_i)}{\sum C_i}$$

Where C_i denotes credits assigned to the i^{th} paper and G_i indicates the grade point equivalent to the letter grade obtained by the student in the i^{th} paper in a particular semester.

CGPA is the weighted average of all the grades awarded to a student since his/her entry into the University upto and including the latest semester and computed as follows:

$$CGPA = \frac{\sum(C_i G_i)}{\sum C_i}$$

Where C_i denotes credits assigned to the i^{th} paper and G_i indicates the grade point equivalent to the letter grade obtained by the student in the i^{th} paper in that semester.

- (D). **"D" Grade** is awarded to a student who gets detained because of shortage in attendance as per the criteria adopted by Punjabi University from time to time. Such a student shall have to reappear in internal as well as external examinations. If the student gets "F" grade in a particular paper and the student will not be allowed to sit in External End Semester examination with his/her regular batch and will be declared detained in Internal examination although he/she may have secured a minimum of 40% passing marks in internal examination.

A student with "D" Grade can clear his/her backlog paper(s) as follow:-

- I. The student will be required to deposit a fee of Rs. 5,000/- per theory Paper(s) and Rs. 3,000/- per practical Paper(s) duly filling the prescribed form within stipulated period. Simultaneously, the student will be required to submit a written application to appear in **internal examination** to the Head. The department will arrange for conduction of **internal examination** within the semester.
- II. Up to first seven semesters of B. Tech course reappear examination of odd or even Semester Subjects shall be offered only in odd or even semesters respectively. There will be a maximum of three consecutive or successive reappear chances to clear papers. However, there will be no bar on the number of papers in which the candidate can appear.
- III. Amended as under as per directions of Hon'ble VC circulated by Prof. Incharge (Examination) vide office letter No. 1608 Dated 20.02.18.

Upto Batch 2017	Amendment: Batch 2018 Onwards
For the students of final year i.e 7 th and 8 th semesters Backlogs pertaining to both even and odd semesters shall be offered to students in both even and odd semesters as a special case.	This Option No. III will not be available to B. Tech students admitted from year 2018 onwards.

- IV. A ceiling clause will be applicable defined as "The candidate can score maximum **B+ grade** in any of reappear paper".
- V. **For Theory paper:** The reappear student will have to appear in both; A single internal examination of 50 marks (3 hours duration) to be conducted by the department out of the entire syllabus and an External examination of 50 marks (3 hours duration) to be conducted by examination branch of Punjabi University covering entire syllabus of the said paper. The pattern of question paper for both internal examination and external examinations will be the same as end semester examination.
- VI. **For Practical paper:** The detained student in odd or even semester will have to attend the practical classes during corresponding odd or even regular semester course. However, such practical paper may be offered during summer or winter vacations also. Here it may be noted that such papers will be offered in summer or winter vacations only if it is not feasible to accommodate the student in regular semester. The student will have to a complete the attendance and performance requirements of the practical paper. The faculty and lab staff engaged during summer or winter vacation conducting the practical classes will be paid remuneration as per University rules. The examination out of 100 marks will be conducted by the department as per the details given in table below:

Practical Reappear (Detainee's) Examination Break up	
Internal Assessment	Maximum Marks
Intermediate Evaluation	30
Continuous Evaluation	10
Attendance	10
End Semester Examination	
Lab performance and report writing	30
Viva-Voice	20
	50
	100

(E). **"F" Grade** is awarded to a student, who fulfills the attendance requirements in a paper, but secures less than 40% marks i.e. fail in Internal/External theory examination or practical subject i.e. poor/fail in academic performance.

I. Simultaneously the students will be required to submit a written application to appear in Internal examination to HOD. The department will arrange for conduction of Internal examination within the semester.

II. Up to first seven semesters of B. Tech course reappear examination of odd or even Semester Subjects shall be offered only in odd or even semesters respectively. There will be a maximum of three consecutive or successive reappear chances to clear papers. However, there will be no bar on the number of papers in which the candidate can appear.

III. Amended as under as per directions of Hon'ble VC circulated by Prof. Incharge (Examination) vide office letter No. 1608 Dated 20.02.18.

Upto Batch 2017	Amendment: Batch 2018 Onwards
<i>For the students of final year i.e 7th and 8th semesters Backlogs pertaining to both even and odd semesters shall be offered to students in both even and odd semesters as a special case.</i>	This Option No. III will not be available to B. Tech students admitted from year 2018 onwards.

IV. A ceiling clause will be applicable defined as "The candidate can score maximum **B+ grade** in any of reappear paper".

V. Reappear examination of **theory paper** will be evaluated as per case applicable given below:

(a). If the student secures less than 40% marks in internal examination only, then the department will conduct the single reappear examination for 50 marks (3 hours duration) covering entire syllabus of said paper and forward the result to the examination branch. The pattern of the paper will be the same as end semester examination.

(b). If the student secures less than 40% marks in external examination, the student will have to reappear in the external examination for 50 marks (3 hours duration) covering entire syllabus of the said paper to be conducted by examination branch.

(c). If a student secures less than 40% marks in both Internal and External examinations separately, then the reappear in both internal and external will have to be cleared separately as per (a) & (b)

VI. In case of reappear due to "F" grade in practical paper(s), the rules of practical paper(s) under "D" grade will be applicable as such (vide 6 (D) VI)

(F). **Improvement of Grades:** The students who have completed their B. Tech. degree will be given chances to improve the overall percentage as per the following conditions:-

I. The student will be given maximum two chances for improvement in the immediate two years after passing the B. Tech. course. These chances will be offered during the End semester examination schedule of November /December and May/June only. In any given chance, the student can select maximum **06 theory** papers for the improvement at one time. Thus in two chances, he/she can apply to improve his/her grades in **maximum of 12 theory papers** only. These 12 papers can be taken from any of the eight semesters in which he/she had scored **C and P grades only**. Moreover, improvement in subjects with higher grades **B, B+ and A** will not be allowed. Further, he/she is free to select papers from **Even Semester** while availing an improvement chance in **odd Semester**. Similarly, he/she can select papers from **odd Semester** while availing an improvement chance in **even semester**.

- II. Those who opt for Six Year B. Tech. – M.B.A. Integrated Program, will eligible for improvement in grades only after passing the Six Year B. Tech. – M.B.A. Integrated Program. However, the students who opt for four year B.Tech. programme, will be eligible for improvement in grades after the completion of four year B.Tech. programme.
 - III. The only one attempt shall be allowed for improving the grades of maximum 12 eligible theory papers in which the student had obtained C and P grades only.
 - IV. The improvement fee will be charged Rs 2000/- per paper with a ceiling Rs 10,000/- per chance for six papers.
 - V. A ceiling clause on grades will applicable defined as "The candidate can score maximum **B+ grade** in any of the reappear paper".
- (G). **MOOC Electives:** MOOC courses will be in lieu of elective courses only. Massive Open Online Courses (MOOCs) are available on SWAYAM platform of Government of India, shall be offered through online mode. The subjects which the students can opt from MOOCs will be notified by the department semester-wise time to time.
7. **First Semester Eligibility Condition:** First Semester examination shall be open to a candidate who satisfies the following requirements:
- (A). Had passed 10+2 Non-medical with minimum 60% (55% for SC/ST & Disabled Persons categories) marks and had been admitted based on merit drawn based on marks obtained by candidate in the subjects Physics, Chemistry, Mathematics and English (PCME). If total of obtained marks is not mentioned on the DMC of a candidate then a combination of Physics, Chemistry, Mathematics, English and a subject having greater marks out of other subjects (Punjabi, Hindi, Computer Science, Physical Education, Environmental Education etc.) will be considered to calculate the minimum 60% marks criteria for eligibility check.
 - (B). In addition to above, the following conditions must also be met.
 - I. Has been on the rolls of the college throughout the semester preceding the examination.
 - II. Has attained the required 75% of attendance of the delivered number of periods in each paper/subject. Period of one hour duration shall be counted as one attendance. Similarly one hour of Laboratory/Workshop Practice shall be counted as one attendance. The college shall be required to deliver at least 75% of the total number of prescribed contact hours for each paper/subject.
 - III. For late admission the counting of lectures will be consider from the date of deposit of fee.
 - IV. In case of a student, whose name has been struck off on account of non-payment of fees, their periods for the time they were not on the rolls, shall not be accounted for the completion of the total period of degree.
 - V. The shortage of attendance of lectures by the candidate may be condoned as per rules framed by the University from time to time.

8. **Promotion Policy:**

- (A). A candidate shall be allowed to join the Second, Third, Fourth, Fifth, Sixth, Seventh and Eighth Semester (as the case may be), provided that he/she has undergone a regular course of studies of all the prior semesters as provided under the regulations and fulfils the conditions of promotion as laid down in the ordinance 8(B) and the attendance under ordinance 7(B) (I to V)
- (B). Subject to (A) above.
- I. There will be no condition of passing subjects/papers for promotion from odd semester to even semester in an Academic Session.
 - II. To qualify for admission to 2nd year (3rd Semester) of the B. Tech. Program, the candidate must have passed 50% of the total papers (theory as well as practical) of the previous first semester of the First year. Similar conditions apply to qualify for admission to 3rd year (5th semester) of the Program. The candidate should have passed 50% of the total papers of first three semesters of the earlier two years. (Including summer semester for that Academic Year and qualifying subjects Punjabi & Environment science). To qualify for admission to 4th Year (7th semester) of the Program, the candidate should have passed 50% of the total papers of first five semesters of the earlier three years
 - III. In addition to aforesaid clauses the clause 7(B) I, 7(B) II, 7(B) III will also be applicable for promotion policy.
 - IV. For promotion to Semesters IX and X, the student will be governed by rules of the concerned University.
9. After the End semester examination and completion of the evaluation process, the Instructor/Committee for the paper shall submit the award lists through the Head of the Department to the Controller of Examinations, while the breakup sheet of various components of total marks of a student must be submitted in the department. The final/external exam for the papers will be conducted by examination branch of Punjabi University, Patiala and the university shall publish the result of the candidates after compilation of all total marks and the letter grades will be awarded to the students based on marks obtained by them out of 100. At the end of every semester, each candidate shall receive a result card/certificate indicating the Grades scored in different subjects along with the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA). Successful candidates at the end of the VIII Semester shall receive a degree stating the division according to the Ordinance no. 10.
10. Definition of Division of B. Tech. Degree as follows:-
- (A). Successful candidates who obtain a CGPA of 6 or more of all the eight semesters taken together shall be placed in First Division, those who obtain a CGPA of 5 or more but less the 6 shall be placed in Second Division. Candidates who obtain a CGPA of 7.5 or more shall be placed in the First Division with Distinction.
 - (B). To convert CGPA into percentage of marks, a multiplying factor of 10 (Ten) shall be used. That is, 'Percentage of marks = CGPA x 10. (for example, a CGPA of 7.5 shall be equal to $7.5 \times 10 = 75\%$).
11. A student shall be required to earn a minimum CGPA of 4.0 and a minimum 'P' grade in each and every subject to get the degree.
12. The maximum time allowed to complete the requirements for the award of B. Tech. degree shall be **EIGHT** Years. While for M.B.A. Program students will be governed by the rules and regulation of the concerned university.

Ordinances 10 and 11 are applicable for degree awarded by the Punjabi University.

13. Branch Change Policy in 2nd Year (3rd Semester)

- a) The student of Six Year B. Tech. – M.B.A. Integrated Program (2nd semester) will be given an option at the end of second semester to change the branch on the basis of merit (CGPA) of 1st semester result.
- b) The student will be considered for branch change, provided he/she has passed all the courses offered to him/her in the 1st semester of B.Tech program before applying for branch change.
- c) Branch change will be allowed only if the seats are vacant in the desired branch of Six Year B. Tech. – M.B.A. Integrated Program or become vacant in the process of branch shuffling.
- d) In the case of tie in CGPA, a tie breaker will be decided as per following guidelines.
(i) 10+2 Percentage (ii) Higher in age.
- e) Branch change will be allowed under the following conditions:-

“The students of Six Year B. Tech. – M.B.A. Integrated Program will be offered an option to change his or her branch at the end of second semester against the vacant seats in the desired branch of Six Year B. Tech. – M.B.A. Integrated Program course.”

OR

“The students admitted in the Integrated Program under the categories of additional seats (NRI, Outstanding Sports Person, Rural Area, Kashmiri Migrant, Youth Welfare/ Cultural Activities) will be allowed branch change against the vacant seats in the respective category of additional seats only.

14. Each successful candidate shall be issued either the B. Tech. degree or the following two degrees as per choice made by the candidate:

- (A). B. Tech. degree in the concerned branch of Engineering by the Punjabi University, Patiala.
- (B). M.B.A. degree under Six Year B. Tech. – M.B.A. Integrated Program, if the student studied for the fifth and sixth years in Punjabi University, Patiala.
- (C). In case, the student studied in the fifth year at Punjabi University and sixth year at the Wilkes University, then the degree will be awarded as per the norms of Wilkes University, USA.
- (D). In case, the student opted for summer courses and subsequently completed his M.B.A. from the Wilkes University, then the M.B.A. degree will be awarded as per the norms of Wilkes University, USA.