

CURRICULA
for
Bachelor of Technology
and
Bachelor of Architecture
Programmes

2012

(With Amendments approved in 6th, 7th, 8th, 9th & 10th Senate)



राष्ट्रीय प्रौद्योगिकी संस्थान पटना
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VISION

To contribute to India and the World through excellence in scientific and technical education and research; to serve as a valuable resource for industry and society; and to remain a source of pride for all Indians.



MISSION

To generate new knowledge by engaging in cutting-edge research and to promote academic growth by offering state-of-the-art undergraduate, postgraduate and doctoral programmes.

To identify, based on an informed perception of Indian, regional and global needs, areas of specialization upon which the Institute can concentrate.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

VALUES

- +** *Academic integrity and accountability.*
- +** *Respect and tolerance for the views of every individual.*
- +** *Attention to issues of national relevance as well as of global concern.*
- +** *Breadth of understanding, including knowledge of the human sciences.*
- +** *Appreciation of intellectual excellence and creativity.*
- +** *An unfettered spirit of exploring, rationality and enterprise.*

Regulations

1. Introduction

The provision contained in these Regulations will govern the conditions for imparting courses of instructions conducting examinations and evaluation of students' performance leading the 4-years courses in Engineering/ Technology leading to the award of B. Tech degree and 5-years course in Architecture leading to B. Arch degree.

This regulation is effective from the start of the academic session 2007-2008.

1.1 **Discipline:** The disciplines in which the courses of studies for the B. Tech/ B. Arch. Degree are

1. Civil Engineering
2. Computer Science and Engineering
3. Electrical Engineering
4. Electronics and Communication Engineering
5. Information Technology
6. Mechanical Engineering
7. Architecture

1.2 The provisions of this Regulation shall also be applicable to any new disciplines that are introduced from time to time and added to the list in section 1.1

1.3 The Board of Governors may, on the recommendation of the Senate, change any or all parts of this Regulation at any time considered appropriate by the Senate.

2. Academic Calendar

2.1 The academic session is divided into two semesters each of approximately 20 weeks duration: an Autumn Semester (July - December) and a Spring Semester (December - May).

2.2 The Senate - approved schedule of academic activities for a session, inclusive of dates for registration, mid -semester and end - semester examinations, inter - semester breaks etc, shall be laid down in the Academic Calendar for the session. The Academic Calendar shall strive to provide for a total of about 90 working days in each semester.

3. Admission

3.1 Admission to all courses will be made in the Autumn Semester of each session, at the First Year level, through a All India Engineering Entrance Examination (AIEEE) conducted by CBSE under the supervision of Central Counseling Board which comprises of representatives from all the NITs.

3.2 Besides the successful AIEEE candidates; specified number of foreign nationals and Indian nationals residing abroad for at list a period of 5 years, satisfying the norms approved by the Senate and selected by the Central Counseling Board in accordance with the policy laid down by the Government of India may be admitted directly to the first year of *any* of the courses covered by this Regulation.

3.3. The Institute reserves the right to cancel the admission of any student, and ask him/her to discontinue her studies at any stage of his/her career on grounds of unsatisfactory academic performance, irregular attendance in classes or indiscipline.

4. Residence

4.1 The Institute is partially residential one, Hostel accommodation is provided to the students as per availability of seats in hostels.

4.2 The terms and conditions that a student must fulfill during his/her stay in a Hostel are as mentioned in *Appendix - I*.

5. Attendance

- 5.1 A minimum attendance of 75% in all classes (lectures + tutorials, laboratories, workshops etc.) is compulsory. A student may be debarred from appearing at an examination on ground of unsatisfactory attendance.
- 5.2 Absence from classes without prior permission will be considered as an act of Indiscipline. Such cases will be dealt with in accordance with clause 3.5.
- 5.3 Detailed rules regarding condonation/ relaxation of attendance up to Maximum of 15% in classes etc. are given in *Appendix - II*.

6. Conduct and Discipline

- 6.1 Students shall conduct themselves within and outside the premises of the Institute in a manner befitting the students of an institution of national importance.
- 6.2 Detailed rules regarding conduct and discipline are given In *Appendix - III*.

7. Change of Branch

- 7.1 The students admitted to a Course leading to the B. Tech. in a particular branch will ordinarily be required to continue in that branch of studies.
- 7.2 However, the Institute may permit a few students subject to their fulfilling the prescribed conditions to change over from one branch to another, after two semesters of continuous studies detailed rules governing the change of branch are given in *Appendix - IV*.

8. Course Structure

The duration of the courses leading to the B. Tech / B. Arch. degree will be 4 years / 5 years respectively

- 8.1 The curricula for the different degree programmes as proposed by the respective departments and recommended by the Undergraduate Programme and Evaluation Committee (UGPEC) shall have to have the approval of the Senate. The departments would also prepare the syllabus of each subject containing the scope of studies and detailed instructions to be imparted which must have the approval of the UGPEC.
- 8.2 All Subjects would have a lecture - tutorial - experiment/design component (L-T-P) to indicate the contact hours. 'T' and 'P' components of a subject may be void. All subjects would have a credit count 'c'. Teaching of subjects would be reckoned in terms of credits. Every subject would have a list of subjects (may be void) as its prerequisite. A student who has qualified in all the subjects in the prerequisite would be allowed to register in the subject. The teacher concerned would have the prerogative to waive the prerequisite for a student if he/she is satisfied through a test that the student otherwise have gained sufficient proficiency to take up the subject. Subject to availability a student, irrespective of his/her level or discipline of study, may be allowed to take a subject including an Master's program course as an elective breadth or additional subject, defined subsequently in this section, if he/she satisfies its prerequisite.
- 8.3 The curricula to be followed in the first two semesters by students of all the Engineering/ Technology programmes shall be common as given in *Appendix - V*.
- 8.4 a) Every student in the first year is required to register In the Extra Academic Activity (EAA) during the first two semesters.
b) Except as stated in clause 8.4b (iv) below
 - (i) All first year Indian students will register in the National Social Service (NSS) Scheme.
 - (ii) Foreign nationals will register in the NSS.
 - (iii) Physically handicapped will register in the NSS.

- (iv) Any student who is proficient in sports may be permitted to register in the NSO.

During the next two semesters also the student will be required to register for one of the Extra Academic Activities. Students may choose anyone of the following activities: NSS or any sports/athletic activities of NSO as may be recommended by the Dean (Student Affairs)/ President, Technology Students' Gymkhana, and approved by the Senate.

- 8.5 The remaining course work requirements will be different for the respective degree courses. The requirements would be detailed out in the curriculum and syllabi for each of the discipline as approved by the Senate. The overall structures for the different degrees are given below :
- 8.6 To get a B. Tech./ B. Arch. degree a student has to fulfill (i) the depth requirement corresponding to the discipline, (ii) the breadth requirement and (iii) Humanities and Social Science (HSS), Industrial Engineering & Management (IEM) and Information Technology (IT) subject requirements
- 8.6.1 **Depth Requirement:** The depth requirement would be specified by the department and would include (a) Basic science requirements, (b) Engineering science requirements, (c) Other requirements (e.g. workshops, engineering drawing and graphics etc.), (d) Professional subjects – both core and electives, (e) Projects and (f) Comprehensive viva - voce.
- 8.6.2 **Breadth Requirement:** A student is required to take at least six subjects as his/her breadth subject for which slots would be made available in the curriculum. The breadth subjects must be a subject offered by other discipline but different from the subjects (including electives) enlisted for the requirement for his/her own depth. A student would be free to choose a breadth subject provided it is available in terms of timetable, limitation of class size and his/her eligibility.
- 8.6.3 Humanities & Social Science (HSS), Management, Environmental Engineering and Information Technology related subject requirements:**
- At least three HSS elective subjects, two IT subjects and one Management and Environmental Engineering subject would be included in the curriculum of any discipline. Out of these Two HSS elective, one Environment related subject and one IT based design/application subject are to be included in the depth requirement. The other HSS electives, IT electives and Management elective may be included in the breadth requirement.
- 8.7 **Industrial Training and Field work:** The curricula for all B. Tech. would include compulsory industrial training for 4 to 6 weeks carrying 2 (two) credits, to be carried out in the summer vacation at end of the sixth semester.

9. Registration

- 9.1. Every student of the B. Tech./ B. Arch. course is required to be present and register at the commencement of each semester on the day fixed for and notified in the Academic Calendar.
- 9.2. Registration of student for First (Autumn) Semester will be centrally organized by the Academic Section of the Institute. For all other semester the registration will be organized departmentally under the supervision of the Head of the Department.
- 9.3. A student who does not register on the day announced for the purpose may be permitted in consideration of any compelling reason, late registration within the next three working days on payment of a prevalent additional late fee as prescribed by the Institute. Normally no late registration shall be permitted after the third working day from the scheduled date.
- 9.4. Only those students will be permitted to register who have:
- cleared all Institute and Hostel dues of the previous semesters,
 - paid all required prescribed fees for the current semester, and
 - not been debarred from Registering for a specified period on disciplinary or any other ground.

- d) Have been admitted to the institute to a program/ semester in person only.
- e) Must have passed/ studied a prerequisite subject(s)/ course(s) i.e. attended courses offered in previous semester(s) for a program or as decided by the Board of studies, before he/ she can register for an advance course in next higher semester.
- f) Registration (Normal) will take place for first two days without late fine as per academic calendar at the beginning of each semester.
- g) Thereafter late registration may be allowed for next three working days with fine as fixed by the institute.
- h) Registration beyond scheduled dates (Normal and Late) will be allowed up to next five working days with fine as fixed by the institute.
- i) No registration can proceed after the extended dates of late registration i.e. after 10 (ten) working days as stated above.

The respective department head(s) may consider registration beyond cut off date in exceptional circumstances as stated in curricula. However, compensation of shortage of attendance due to late registration shall not be allowed.

Registration is complete only when the concerned HOD's and Dean's copy of registration is verified and official seal is placed on official registration slip.

The Institute reserves right of cancellation of registration due to disciplinary reasons/ non fulfilling academic criteria for any program/ semester etc.

Adding and Dropping Course(s)

With the approval of the Academic advisor and HOD, student can add or drop courses within a week from the closing date of registration.

- (i) Academic advisor will properly monitor students to add/ or drop courses.
- (ii) Adding courses is possible only within the upper limits.
- (iii) Once the student registers for some course due to some reason (by approval of academic advisor) however, if the student does not attend the course unless he/ she drop that course, an "F" grade will be automatically awarded.

9.5 To be able to register in the second year and continue his/her study in the Institute at the end of the first year a student must ¹

- (i) Complete satisfactorily at least minimum 42 credits for B. Tech Program or **42 credits for B. Arch Program²**.

AND

- (ii) Obtain a Cumulative Grade Point Average (CGPA) of not lower than 6.00 calculated on the basis of some combination of best grades obtained by him/ her to attain the minimum 37 credits in B. Tech Program or **37 Credits for B. Arch Program**.
- (iii) A student failing to complete satisfactorily both the above conditions i.e. 9.5 (i) and (ii), **even after going through Special Examinations and/or Summer Quarter, in first year of admission then he/ she is required to take readmission in next academic session, and repeat the course curricula afresh.**
- (iv) If a student failing to complete satisfactorily both the above conditions i.e. 9.5 (i) and (ii), **even after going through Special Examinations and/or Summer Quarter, in second year of admission then he/ she is required to discontinue his/her studies after the second year and leave the Institute.**

¹ Section has been amended as per approval of the Senate meeting held on 26th Sept 2008 effective from Session 2007-08.

² Minimum credits limit for B. Arch program has been amended vide notification No. 203/2011 dated 21-11-2011 as per approval of the 9th Senate meeting with effective from Session 2010-11.

- (v) In no case the total period of **completing 1st and 2nd semesters of B. Tech./ B. Arch. program should exceed two years, else the student shall have to leave the Institute.** To determine the total period for completion of 1st and 2nd Semesters of Bachelor's Degree program in two years or for completion of B. Tech. program in Six Years or for B. Arch Program in Seven Years, the period of debarring due to punishment for using unfair means and unfair practice in any examination or due to punishment for disciplinary reasons shall not be counted provided such punishment is for the first time¹.

Note: The CGPA for a set of p subjects will be calculated as follows:

$$CGPA = \frac{\sum_{i=1}^p c_i g_i}{\sum_{i=1}^p c_i}$$

Where 'c_i' is the number of credits allotted to a particular subject 'i' in the set, and 'g_i' is the grade - point carried by the letter grade awarded to the student in that subject 'i'.

- 9.6 From the third (Autumn) Semester onwards in any Autumn (Spring) Semester of the Program/ Branch (specialization)²:-
- Students who have passed in all the subjects of previous Autumn/ Spring semesters shall register for courses of the next higher semester as specified in the course structure for the program.
 - Students who have **dropped course** or have been **debarred from course** due to shortage of attendance **or incomplete course** due to exemption not having been obtained under clause 12.4 (ii) (b) in the previous Autumn/ Spring Semesters must first register for as many of those subjects as are offered in that Semester, along with the regular courses for the program, provided the time - table adjustments permit registration in any such course(s).
Total registered Course credit of a student would not be allowed to exceed 31 credits. However, student is permitted to get registered for only one of dropped course, debarred course, incomplete subject/ course along with the regular courses in the current semester, **even if total registered credit exceeds 31 credits.**
 - Student who has a **backlog in a breadth or an elective subject may register in another breadth or an elective subject** from and within the same group of electives offered in the Semester concerned.
 - In case of student debarred **due to adopting unfair means at examination or due to any other disciplinary action** in the previous Autumn/ Spring Semesters, he/ she **may be permitted to get registered as per Section 9.6 (b) above only after he/ she become eligible for registration.**
- 9.6 A student who has been debarred from appearing at an examination either i) as per recommendation of the subject teacher for unsatisfactory attendance or ii) by the Institute as a measure of disciplinary action or iii) for adopting malpractice at an examination, and consequently awarded a grade 'X', may re - register for the subject(s) after the term of the debarment expires, provided that other provisions of this regulations do not prevent him.
- 9.7 With the concurrence of the Faculty Adviser a student may be allowed to change his/her registration of subjects within one week from the day of registration.
- 9.8 A pre - registration of the students in all the subjects including Breadth and Additional subjects for the ensuing semester would be conducted in the current semester during a time slot to be fixed in the academic calendar. All pre - registration would be confirmed during the normal registration time.

¹ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program vide Notification No. NITP/ 42/2011 dated 27.05.2011 with effect from Odd Semester Examination December 2008

² Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

10. Grading System

- 10.1 As a measure of students' performance a 7-scale grading system using the following letter grades and corresponding grade points per credit, shall be followed:

Performance	Letter grade	Grade point per credit
Excellent	A+	10
Very good	A	9
Good	B	8
Fair	C	7
Average	D	6
Pass	P	5
Fail	F	0

Percentage Equivalence of Grade Point for a Ten Point Scale:

Grade Point	Percentage Marks
6.25	55
6.75	60
7.25	65
7.75	70
8.25	75

In addition, there shall be two transitional grading symbols which can be used by the examiners to indicate the special position of a student in a subject:

I - for 'Incomplete assessment'

X - for 'Debarred'

- 10.2 A Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_{i=1}^n c_i g_i}{\sum_{i=1}^n c_i}$$

Where 'n' is the number of subjects registered for the semester, 'c_i' is the number of Credits allotted to a particular subject, and 'g_i' is the grade – points carried by the letter corresponding to the grade awarded to the student. **SGPA will be rounded off to the second place of decimal** and recorded as such. The SGPA would indicate the performance of the student in the semester to which it refers.

- 10.3 Starting from the second semester at the end of each semester's, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \frac{\sum_{i=1}^m c_i g_i}{\sum_{i=1}^m c_i}$$

Where 'm' is total number of subjects the student has registered from the first semester onwards up to and including the semester 'S', 'c_i' is the number of Credits allotted to a particular subject 's_i' and 'g_i' is the grade - point carried by the letter corresponding to the grade awarded to the student for the subject 's_i'. **CGPA will be rounded off to the second place of decimal** and recorded as such.

The CGPA would indicate the cumulative performance of the student from the first semester up to the end of the semester to which it refers.

The CGPA, SGPA and the grades obtained in all the subjects in a semester will be communicated to each student at the end of every semester.

For determining the *inter se* merit ranking of a group of students, only the rounded off values of the CGPAs will be used.

- 10.4 When a student gets a grade 'I' for any subject(s) during the semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects. After the 'I' grade(s) has (have) been converted to appropriate grades, the SGPA and CGPA for that semester will finally be recalculated after taking into account this (these) grade(s).
- 10.5 When a student gets the grade 'F' in any subject during a semester, the SGPA and the CGPA from that semester onward. will be tentatively calculated, taking only 'zero point' for each such 'F' grade. After the 'F' grade(s) has/have been substituted by better grades during a subsequent semester, the SGPA and the CGPA of all the semesters, starting from the earliest semester in which the 'F' grade has been updated, will be recomputed to take this change of grade into account.

11. Assessment of Performance:

- 11.1 There will be continuous assessment of a student's performance throughout the semester and grades will be awarded by the subject teacher/co-ordination committee formed for this purpose. This constitution of the co-ordination committee is given in *Appendix - VI*.
- 11.2 a) For arriving at a grade obtained by a student for a particular subject, initially a numeric marks obtained by the student out of 100 (hundred) is to be determined. For subjects where the laboratory component (P - component) is non-zero, separate marks each out of 100 (hundred), in the theory component (L & T components) and the laboratory component are to be ascertained first. Next the failure cases (that is, the cases of student obtaining 'F' grade) are to be determined as explained in *Appendix - VIII*. A composite marks of the subject out of 100 is then to be computed by taking appropriate contribution of theory component and the laboratory component as elucidated in *Appendix - VII*.
- b) Once the numeric mark is obtained, the same is to be converted to letter grade following the Guidelines given in *Appendix - VIII*.
- c) For subject in which the theory component is greater than 1 (one), the subcomponent and the respective weights assigned to these are given below.

<u>Subcomponent</u>	<u>Weight</u>
Class Assessment (C.A.)	20%
Mid-Semester Examination	30%
End-semester Examination	50%

- d) For assigning mark in Class Assessment (C.A.) performance in home assignments, class-tests, tutorials, viva-voce, attendance etc. are to be considered. At least two class tests are to be conducted for a subject. The weights of different subcomponents of C.A. are to be announced by the teacher at the beginning of the Semester.
- e) For subject in which the theory component is 1 (one), there would be no Mid- Semester or End- Examination. The marks of the theory component would be decided by performance in class-tests, home assignments, tutorials (if any); viva-voce, attendance etc. at least two class tests are to be conducted for the theory components of such a subject. The weights of different subcomponent are to be announced by the teacher at the beginning of the semester.
- f) For assigning marks in the laboratory component (P - component) the relevant subcomponents that are to be considered are: day-to-day work, regularity, tests (at least two test must be conducted), assignment, viva-voce etc. percentage weight of the different subcomponents in deciding the final marks are to be announced at the beginning of the semester.
- 11.3 The six-week industrial training undergone by the students in the summer vacation after the sixth semester would be assessed within five weeks after the commencement of the seventh semester. The students are required to submit a written report on the training received and give a seminar and on the basis of which a grade would be awarded. The students are also required to submit to Head of the Department a completion certificate, in the prescribed form from the Competent authority of the organization where the training was received, without which he/ she would not be assessed.

- i) The Placement and Training (P & T) Cell of the institution shall notify the list of organization(s) with number of seats available for students of different branch with stipend and/or without stipend. The allotment of seats in those industries notified shall be done on merit/ inter-se-merit of the applicants/ students of different branch, who have applied for the same.
- ii) If any student is desirous to undergo Industrial Training at an Industry/ Institute/ Organization of his/ her choice/ preference, then a letter of recommendation shall be issued by the P & T Cell containing details of requirement and necessary guidelines for the Industry/ Institute/ Organization.
- iii) Students may join different value addition courses of minimum six weeks duration at the institute or at other institution/ organization, that shall be treated as equivalent to Industrial Training and evaluation shall be done as per clause 11.3 only. The head of the department (HOD) of concerned department shall be competent to decide regarding equivalence of such value addition course. The HOD shall forward application of students through the Dean Academics, and issue different certificates after verification to enable him/ her to join the course/ program in lieu of Industrial Training.
- iv) The students may apply for appearing at different tests organized by different Industry / Institution / organization of repute for selection of student's industrial training with stipend. The HOD concerned shall provide all necessary support and issue certificate to enable him/ her to join the training program at industry during summer vacation.

B. Arch Program: Assessment for Seminar/ Arch Tour/ NASA

The seminar/Arch Tour/ NASA/ ZONASA Convention activity under courses for 1st to 8th semester shall be organized as per academic calendar throughout the year spread over Autumn (Odd) and Spring (Even) semesters. The students are required to prepare tour report and submit it within a stipulated time for evaluation. In case student fails to attend Tour/ NASA/ ZONASA. He/ she will be assigned a topic by the department to submit report on the same. The students are required to deliver seminar on topic assigned by the faculty from department and/or departmental assessment committee.

- The evaluation for the above detailed course component shall be done at the end of even semester by an Evaluation committee consisting of three members from the department.
- The Grade as per percentage of marks shall be included in the Grade Card as per provisions of the curricula.

Assessment/ Marking Procedures for Seminar:

- Seminar shall be part of one semester of particular year.
- Seminar Topics shall be finalized in consultation with the concerned faculty.
- The topics can be allocated in group as well as individually.
- In case the topics are allocated group wise- the members of group shall be allocated different specific task such as data collection, data analysis, preparation of presentation and oral presentation. The group members may also be allocated different tasks clearly depending upon the topic.
- Each student shall be making oral presentation of the part work done by him/her. There shall be one concise report on each topic of seminar.
- Marks shall be allocated for data collection/analysis/preparation of presentation /oral presentation and the report.
- 50% marks shall be allocated for the report and viva voce exam to be held at the end of semester. Rest 50% marks shall be based on the class work/presentation with equal weightage to data collection, analysis and preparation of presentation.
- The students are required to submit details of the activity performed/participated, stating level of participation, analysis and achievements in the report abstract.

- The report shall have handout of the presentation along with written report on different aspects of the topic.

Assessment/ Marking Procedures for NASA/ ZONASA/ Arch. Tour:

- There shall be one architectural tour every year. Each student shall be required to attend the tour. The tour shall be planned by and large in a way that NASA/ ZONASA is either at the beginning or end of the tour. So that only allowed number of students to attend the ZONASA/ NASA.
- The tour may be organized independent of NASA/ZONASA also.
- Each student shall have to make a report of the tour, giving details of places/buildings visited/measured/studied. The report shall have sketches and photographs of the buildings and places visited.
- The students shall be required to make a presentation on architectural/cultural/heritage knowledge attained during the tour/interaction at ZONASA/NASA. Minimum one measured drawing of a building shall be essential during the tours.
- Evaluation shall be 75% marks on individual report and 25% marks on presentation.

11.4 Assessment of Project Work

B. Tech Program: Assessment Procedure for Project

Performance in the various activities in the project would be assessed individually at the end of each semester in which it is being carried out as per the curriculum. The students are required to submit a written report at the end of the semester. The Head of the Department would appoint a project evaluation board for the purpose of assessment.

The different components of evaluation and the weights assigned to these components are depicted below:

Stages	Details of Stages	Min. time allocation	Marks allocated (in Percentage)	Assessment Committee
Stage-I	Project Proposal	Within one week of the starting semester	-	Project supervisor & at least one Senior faculty Member
Stage-II	Review & Approach to the Problem/ Data Collection	After One Month	10	
Stage-III	Analysis & Experimentation/ Design & Implementation	After Two Months	10	
Stage-IV	Pre-Final Design	After Three Months	30	
Stage-V	Project Report/Thesis	End Semester Exam.	10	Project Evaluation Board
	Final Project Evaluation	End Semester Exam.	40	

The student is required to give a seminar on the project work done. The evaluation board would conduct the viva - voce. Dates for conducting the seminar and the viva voce, to be held within ten days after the end - semester examination, would be announced in the academic calendar.

B. Arch Program: Assessment Procedure for Project

Final year Architectural Design Project requires site visits, data collection, library study, interaction with practicing architect, discussions with consultants such as electrical/ HVAC/ soils etc. this is in addition to the interaction with guide for his concentrated guidance. The student is also required to make two case studies for which he is required to visit the project site and interact with architect. In this process the candidate keeps interacting with guide and keeping attendance may not be possible. As such there shall be no marks for attendance.

The evaluation will be done in four phases.

Stages	Details of Stages	Min. time allocation	Marks allocated (in Percentage)	Assessment Committee
Stage-I	Project Proposal	Within one week of the starting semester	-	Supervisor, one / two Senior Faculty Members and/ or HOD Project Evaluation Board
Stage-II	Data Collection	After One Month	10	
Stage-III	Sketch Design	After Two Months	10	
Stage-IV	Pre-Final Design	After Three Months	30	
Stage-V	Project Report & Model	End Semester Exam.	10	
	Final Design	End Semester Exam.	40	

(a) If student due to non - completion of the project work cannot submit the final project report at the end of eighth semester for B. Tech. and tenth semester for B. Arch program and does not appear before the evaluation board for the viva voce on the date fixed by the department in conformity with the academic calendar, may be granted extension of time not exceeding two months on the following conditions:

- i) He/she would be awarded one grade lower than the grade obtained by him/her and
- ii) He/she would be deemed to have completed the requirements for the degree if applicable, in the succeeding session.

11.5 The Head of the Department would constitute the Viva Voce Board(s) for conducting the *Comprehensive Viva-voce Examination for the Project Work* as per the requirement of the curriculum. The board would decide the relative weight of the different aspect of the viva voce and decide the grade to be awarded to the students. The dates of the viva voce, to be conducted within ten days after the previous end-semester examination, would be announced in the academic calendar.

12. Examination

12.1 The Academic Section of the Institute will centrally conduct the Mid - Semester and the End - Semester Examinations in respect of the theory component of the subjects unless otherwise permitted.

12.2 All examination work such as paper setting, evaluation and result preparation for the courses offered by any department shall be done by the faculty of the respective departments to avoid delay in evaluation and publication of result.

The Paper setters are required to be provided with the detailed syllabus, with feedback such as course covered, text books followed, mid semester and class test examination papers. To avoid unbalanced distribution or undue weightage to less important topics, the course details should have at least five to six units. The question paper setter is required to set at least one question from each unit and the total number of questions must be at least 1.5 times (rounded off to the next higher digit), the total number of questions to be answered.

The paper setting for End- Semester Examination shall be done by external subject expert from the panel of paper setters suggested by Board of Moderators/ Head of the Department. If question paper is not submitted in time due to certain unavoidable reasons or subject expert from the panel of setters is not available, then question paper of such subjects may be set by a faculty nominated by the Head of the department; who is an expert in the subject but has not taught the course to the students in that semester and/ or by the coordinator of the subject.

Similarly, End semester answer sheets evaluation work, external expert from the panel of evaluators suggested by Board of Studies/ Head of the Department may be invited by the HoD(s).

- 12.3 i) A student will be issued an Admit Card for appearing in an examination, only If he/she has:
- (a) Attendance record to the satisfaction of the teachers in the theory and laboratory classes and has completed the assignment works given.
 - (b) Paid all Institute and Hostel dues of the semester.

- (c) Not been debarred from appearing in the examination as a result of disciplinary proceedings.
- ii) A student may be debarred from appearing at the Mid - Semester or End – Semester Examination on the report of a teacher/chairman, co-ordination committee, if his/ her
- a) attendance at lecture/ tutorial/ laboratory classes has not been satisfactory during the period, and/or
 - b) Performance in the assignment works during the semester has not been satisfactory.
- iii) A student may be debarred from appearing at Mid- Semester or End – Semester or Special examination if he/ she is found using unfair practice during the examination, under the provisions of the categories of unfair practice/ unfair means detailed at Appendix –XIV.
- 12.4 i) Class tests, assignment, tutorials, viva - voce, laboratory assignments, etc., are the constituent components of continuous assessment process, and a student must fulfill all these requirements as prescribed by the teacher/co-ordination committee of the subject. If due to any compelling reason (such as his/ her illness, calamity in the family, etc.) a student fails to meet any of the requirements within/on the schedule date and time, the teacher/co-ordination committee in consultation with the concerned Head of the Department may take such steps (including conducting of compensatory tests/ Assignments etc.) as are deemed fit.¹
- ii) a) **Appearing in the end - semester examination in the theory and Practical component of a subject is compulsory for a student** unless exempted as per clause 12.3 (ii) (b). If a student fails to appear in the end semester examination he/ she will be assigned an '**I**' **grade** in the subject and **will not be permitted to register in the summer quarter or appear at the special examination** for the subject as stipulated in clauses 12.8 & 12.10 respectively of the curricula.²
- b) However, if a student misses the end - semester examination due to a compelling reason like serious illness of himself/ herself or a calamity in the family, he/ she may appeal to the Dean - Students' Affairs, through his/her Head of the Department for permitting himself/ herself to register in the Summer Quarter or appear at the special examination(s), as the case may apply.
- A sub - committee (as Detailed below) or the Undergraduate/ Postgraduate Program Evaluation Committee (UG/ PG - PEC)** may, after examining the representation/ request of the student and being convinced about the merit of the case, recommend and permit him/ her to register in the summer quarter and/ or appearing in the special examination(s) condoning his/ her absence.
- The Sub Committee or UG/ PG - PEC is required to make necessary recommendations for approval of the Director.
- The Sub Committee shall consist of following Members
- i) The Dean of Students Affairs - *Chairman*
 - ii) The HOD of respective Department
 - iii) Institute Doctor or a Doctor recognized for the purpose by the Institute (*only in case of Medical Ground*)
 - iv) The Deputy Registrar (Examination) – *Secretary*
- 12.5 Students will be permitted to appear in the examination in only those subjects for which they have register at the beginning of the semester and has not been debarred.
- 12.6 The final grades awarded to the students in a subject must be submitted by the teacher/chairman, co-ordination committee, within seven days from the date of holding the examination to the concerned Head of the Department for onward transmission to the Program Officer/ Deputy Registrar (Examination).

¹ Vide corrigendum dated 09.07.2009

² Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

- 12.7 The evaluation of performance in the Extra Academic Activities (EAA) will be done by the authorities conducting these. The grades will be communicated to the Assistant/ Deputy Registrar (Examination) by the following authorities through the Coordinator of EAA and through NSS/ NSO Head NSS/ Dean (Student Affairs) for NSS/ NSO.
- 12.8 Any change of grade of a student in a subject, consequent upon detection of any genuine error of omission and/or commission on part of the concerned teacher, must be approved by the Departmental UG Committee and must be forwarded by the teacher/chairman, co-ordination committee, through the Head of the concerned Department within 20 (twenty) days from the date of commencement of the next Semester.
- 12.9 For the benefit of and as a process of learning by the students, the scripts after correction of all class tests, mid - semester examinations, assignments etc. would be shown to the students within 4 weeks from the date of tests/ examinations.
- The students may get their answer sheet of end semester examination scrutinized within 20 days of the publication of the result; by making an application on prescribed proforma and payment of fee as fixed by the Institute.
- The scrutiny of the end semester answer script shall be done by the Performance Evaluation committee members of respective department. The correction/ modification required shall be incorporated in their result/ Grade.
- After scrutiny only changed grade shall be awarded/ recorded in his/her result and grade card after scrutiny.
- 12.10 With a view to assist the students, who failed in one or more subjects in the autumn and/or spring semester in a year, a Summer Quarter will be conducted during the immediately following summer vacation for making up their deficiency and improve the performance. The regulations for running the Summer Quarter are given in *Appendix - IX*.
- 12.11 In order to provide additional opportunity to the students who failed (obtained an 'F' grade) in one or more subjects due to not being able to score higher than the **cut - off marks in the theory components and/ or practical in either the autumn and/or the spring semester in a academic session,**¹
- (i) Special Examinations equivalent to the end - semester examination will be arranged centrally by the Academic Section, and will be conducted in the month of July (before commencement of the next session) every session. Regulations relating to the Special Examination are given in *Appendix - X*.
 - (ii) If the student fails in Special End semester examination also then he/ she may appear for **maximum two course(s)** in the failed course as **non-collegiate student** in corresponding semester of the next session autumn/ Spring End semester examination.
- All internal marks for the course shall be carried forward for that paper in next session for preparation of result and award of grades.
- a) Separate examination fee as fixed by the Institution shall be payable to appear Autumn/ Spring End Semester examination as Non collegiate candidate.
 - b) **Attending classes for all such courses is not mandatory.** However if a student wants to attend classes, then he/ she must take permission of the concerned HOD. However **no modification in marks for class attendance, class test/ assignments and Mid semester examination for theory or practical component shall be allowed.**
 - c) Marks obtained in latest Autumn/ Spring End Semester or Special examination shall be recorded in grade card for the student.
- (iii) In case, a candidate has failed in a subject/ course and **has registered to appear as Non-collegiate candidate** under the regulation for examination, and where the department has implemented new/ revised syllabus for a subject/ course during that academic session then²

¹ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

² Addendum as per notification no. NITP/147/10 dated 22.10.2010

- a) **There shall be only one examination in a particular subject as long as the syllabus in the subject does not vary more than 20%.**
- b) In case **variation in the syllabus of any subject is more than 20%, then separate question paper for that subject/ course with old syllabus shall be provided** to the Non-collegiate candidate during **next academic session.**
- c) If the candidate is not been able to pass in that subject/ course after availing facility of question paper with old syllabus (as stated above), he/ she shall **have to appear with new syllabus as non-collegiate candidate in subsequent examinations of this subject/ course.** As per provisions **under section 12.11 (ii) b) of the curricula, the candidate may** however **attend classes for this subject/ course also for subsequent examinations of this subject/ course in which change in syllabus is more than 20%.**
- d) If due to some reason that course and is not being offered in subsequent academic session, the candidate shall have to get registered for an equivalent subject/ course approved by **course equivalence committee of the concerned Department.** The student shall be required to attend classes and appear for all assessments for the equivalent course as per rules.

The Course equivalence committee will comprise of three members consisting of the HOD of the concerned department and two subject experts nominated by HOD with HOD of the concerned department acting as chairman of the committee

- 12.12 A student in any degree Programme must complete the prescribed course work for **B. Tech Program of the eight semesters within a maximum period of six years** and those of the **B. Arch program of ten semesters within a maximum period of seven years.** In special cases the Senate may, on the recommendation of the Department and the Under Graduate Program Evaluation Committee (UGPEC) further extend the total time limit for completion of all the requirements by one more year over and above the limit (as stated above) of six years for the B. Tech. and seven years for B. Arch. degree.¹

Note: The provisions under Para 9.5 (v) of the curricula for B. Tech/ B. Arch Degree program will also be applicable to the provision under section 12.12².

13. Graduation Requirement

- 13.1 In order to qualify for a B. Tech./ B. Arch. Degree of the Institute covered under these Regulations a student must:
- a) Complete all the credit requirements for the degree, as laid down in the prescribed curriculum of the discipline, with a minimum grade 'P' scored in every subject.
 - b) Obtain a CGPA of 6.00 or higher at the end of the semester in which he/she completes all the requirements for the degree.
 - c) Have cleared all dues to the Institute, the Hostel, the Library and the Department.
- 13.2 The minimum total credit requirement that has to be satisfactorily completed for the award of a degree will be decided by the senate, when the new curriculum is framed.
- The Minimum Credit Requirement to be offered by the Engineering/ Technology departments and Architecture department for different program from session 2007-08 and thereafter shall be
- | | |
|------------------|-----------------------|
| B. Tech. Program | - Minimum 200 credits |
| B. Arch. Program | - Minimum 250 credits |
- 13.3 Normally a student should complete all the requirements consecutively in eight semesters for B. Tech degree and ten semesters for B.Arch. degree.

¹ Section has been amended as per approval of the Senate meeting held on 26th Sept 2008 effective from Session 2007-08.

² Vide Notification No. NITP/42/2011 dated 27th May 2011 with immediate effect from Odd End Semester Examination (December-2008) of Academic Session 2008-09.

Academically weaker students may be granted time up to 12 semesters to complete all the requirements for B. Tech. Degree and 14 semesters for B.Arch. Degree.

- 13.4 A student, whose academic records at the end of any semester clearly indicate that he/she will not be able to qualify for the degree for which he/she had been admitted within the limits of time specified in clause 13.3 above, shall have to discontinue studies and leave the Institute when asked to do so.

14. Withdrawal from the Institute

- 14.1 A student who has been admitted to a degree course of the Institute may be permitted to withdraw temporarily for a period of one semester or more from the Institute on grounds of prolonged illness or acute problem in the family which compelled him to stay at home, provided:

- (a) He/ She applies to the Institute within 15 days of the commencement of the semester or from the date he/she last attended his/her classes whichever is later, stating fully the reason for such withdrawal together with supporting documents and endorsement of the father/guardian.
- (b) The Institute is satisfied that, inclusive of the period of withdrawal, the student is likely to complete his requirements for the degree within the time limits specified in clause 13.3.
- (c) There are no outstanding dues or demands from him/her by the Institute/ Hostel/ Department/ Library/ Gymkhana/ EAA/ NSS.
- (d) No Dues and Clearance: Any student is required to clear all dues (if any) and submit NO DUES certificate in prescribed proforma from different departments and sections before he/she may be granted permission on his request/ application as detailed below:

S. No.	Requirement of Clearing Dues	Clearing of Dues/ No Dues Certificate to be Submitted	Authority for grant of Clearing and Permission
1.	Cancellation of Admission (before Registration to the Program)	Exempted from submission of NO Dues Certificate	Convener Admission Committee
2.	Before Registration to a Semester	From Accounts, Hostel, Library	Chairman HMC and Prof-in-charge (Library)
3.	For issues of End Semester Exam Admit Card	From Accounts, Hostel	Chairman HMC
4.	Withdrawal from a Program (after Registration to the Program)	From all departments Library and Hostel etc.	All HOD(s), Chairman HMC, Prof-in Charge (Library) and all Service In-charge(s).
5.	Award of Degree/ Migration Certificate	From all department, Hostel, Library etc.	All HOD(s), Chairman HMC, Prof-in Charge (Library) and all Service In-charge(s).

- (e) *All request for grant for permission of clearing Dues (if any) or NO Dues Certificate will be approved by the respective department, where he/ she has been admitted to a program and submitted at the end to Academic section for final permission and approval.*
- 14.2 A student who has been granted temporary withdrawal from the Institute under the provisions of clause 14.1 **will be required to pay the tuition fee and other essential fees/charges for the intervening period** till such time as his/her name is borne on the Roll List.
- 14.3 A student will be granted only one such temporary withdrawal during his/her tenure as a student of the Institute.

15. Institute Medals and Prizes

The senate shall have the authority to Institute medals and prizes as it deems fit from time to time. Following guidelines/ rules (as approved by 9th Senate) for award of Medal(s) and Certificates the provisions are subject to change with the approval of the Senate.

Institute Gold Medal(s) and Certificate(s) to Graduating Candidates¹

- a) The candidates graduating from the Institute shall be awarded Gold Medal in following categories in each academic Session and **shall also be given Academic Merit Certificate** in the Convocation for that Session
 - (i) **Bachelor's program: Overall Topper** (from amongst all Branch Toppers)
 - (ii) **Bachelor's program: Branch Topper(s)** from each discipline/ Branch.
- b) Branch topper of the Program for Academic Year/ session: Recipient's name from different program(s) is to be decided based on merit i.e. CGPA and Overall percentage of marks of the Candidates graduating in that academic session.
- c) If the result of any program gets delayed due to unavoidable reasons or evaluation procedure etc., then the Program topper(s) from department(s) shall be notified after publication of result. Therefore award of Gold medal for the Program shall be done in next academic session Convocation only.
- d) The selection of candidate for award of gold medal will be done based on merit as detailed below for determining inter-se-merit and merit rank within Program and discipline/ department.
 - (i) The candidate must have ***passed all semester examinations for the program in first attempt and within the time period as prescribed for any Degree program(s).***
 - (ii) If in any Academic session from any Program and discipline/ department, **less than five candidates are eligible for award of degree; then in such cases, Gold medals shall not be awarded** in that session for that Program and discipline/ department.
 - (iii) The candidate **must not have been involved in any act of indiscipline or had not been punished/ awarded punishment for an act of indiscipline or adopting unfair practice or unfair means at any examination during his/ her stay at the Institute.** However an act of indiscipline by students' en-masse due to certain reasons may be treated differently compared to an act of indiscipline committed by an individual student.
 - (iv) The candidate **must have highest CGPA among all students who have graduated from the Institute within the time limits for the respective program.**
 - (v) If there is **more than one candidate's having same CGPA** then the candidate having **higher overall percentage of marks shall be at higher merit rank.**
 - (vi) Candidates graduating i.e. **completing the program in more time than prescribed time for the program shall be listed with merit rank lower than all such students who have graduated in time.**
- e) Over all Topper of the program shall be decided on the inter-se-merit of the students for Branch Topper(s) as stated above under respective under graduate and Post graduate program.
- f) The Institute shall notify the name(s) and other details of the topper(s) and overall topper for different program, and place the notification for information to all degree recipients and other concerned. Further objections or any claim for discrepancies from stake holder for

¹ vide notification No. 203/2011 dated 21-11-2011 As per direction of the 9th Senate

consideration will be invited within 15 days with supporting documents for consideration i.e. within 15 days from the date of notification.

If no objection/claim is received then the Medal recipient's list shall be considered final. However if any claim is received the same will be verified and corrected (in case of error) by the Dean (Academics) and approved by the chairman Senate.

Award of Academic Merit (Rank) Certificate of the Session

- a) The Institute **will identify Topper(s) of Each session and Program based on CGPA and overall percentage marks obtained at the end of Spring (Even) End Semester Examination of the session.** The other guidelines may be taken from procedure defined above.
- b) The **First (1st) Branch Topper from each semester identified shall be awarded an Academic Merit (Rank) Certificate without any cost.** However rank holders from **second (2nd) to fifth (5th) on request may be issued on payment of requisite fee decided by the Institute.** This fee may be revised by the Institute from time to time.
- c) The candidates having rank below five shall not be issued any academic Merit (Rank) Certificate by the Institute.

16. Merit - cum - Means Scholarships

These scholarships are awarded from the Institute funds. Rules pertaining to the award of Merit - cum Means scholarships are stated in *Appendix - XII*.

17. Issuance of Transcript/ Degree/ Recommendation or any other Certificate

Transcripts are records of the student's academic performance. These are most valuable private and sensitive documents. Utmost care is taken in recording, storing and issuance. The following are the guidelines for issuance of transcripts and certificates:

- (i) No student record shall be shown or given to a third party without written consent of the student. The Institute may have discretionary exceptions to this.
- (ii) No transcripts shall be issued against request made through third parties, i.e. representatives, friends or relatives, agencies etc.
- (iii) In exceptional cases transcripts may be issued on the request of a third party meeting the following conditions:
 - (a) The party must carry a power of attorney/ letter of authority with photograph of the person who has been authorized and attested by the student.
 - (b) The third party must produce affidavit from competent authority to the effect that he/ she assumes full responsibility for any disputes arising from the possibility that the Dean's/ Registrar's office is misled in sending transcripts to persons who have no legal claims over the document.
 - (c) The third party will be required to put his/ her thumb impression on the said affidavit.
 - (d) The third party will not demand that the transcripts be given to him/ her.
 - (e) The transcript shall be dispatched to the student's permanent address by registered/ Speed post only in a sealed envelope.
- (iv) Degree and other certificate are issued by the Dean's Office/ Registrar Office shall be delivered to the student or shall be sent by registered/ speed post to his/ her permanent address only.

- (v) Upon the request of the students, the Dean (Academics) office issues the letter of attendance and other certificates. For all such certificates there is a service charge fixed and is required to be deposited in institution.
- (vi) The Duplicate Transcript / Grade Card will be issued on payment of extra charge fixed by the competent authority.
- (vii) Request for issue of Duplicate copy of any document such as Degree, Migration, certificate and Provisional Degree must carry Affidavit and Fee fixed for it.
- (viii) The grade card / transcript shall be issued by the signature of Deputy Registrar (Exam) and verification by Verifying Officer and Deputy Registrar (Examination).

18. Relaxation

The senate may, under exceptional circumstances, consider any case of a student having a minor deficiency in respect of any requirement stated in these regulations and relax the relevant provision of these regulations based on the merit of the case. The ground on which such relaxation is granted shall invariably be recorded and cannot be cited as precedence.

APPENDIX - I

RULES RELATING TO RESIDENCE REQUIREMENTS

Following are the detailed rules governing residence requirements of students:

- a. The mess of each Hostel shall function as a single integrated unit and shall not, under any circumstances be sub - divided into any kind of groups or sub - groups.
- b. No married accommodation shall be provided to any student of the undergraduate courses.
- c. No student shall come into or give up the assigned accommodation in any Hostel without the prior permission of the Chairman, Hostel Management Committee (HMC)
- d. A student shall reside in a room allotted to him/her and may shift to any other room only under the direction/ permission of the Warden.
- e. Students shall be required to make their rooms available whenever required for inspection, repairs, maintenance or disinfection and shall vacate the rooms when leaving for the vacations /holidays.
- f. Students shall be responsible for the proper care of the furniture, fan and other fitting in the rooms allotted to them and shall generally assist the Warden in ensuring proper use, care and security of those provided In the Hostels for common use of all students.
- g. Students will be responsible for the safe keeping of their own property. In the event of loss of any personal property of a student due to theft, fire or any other cause, the Institute shall accept no responsibility and shall not be liable for payment of any compensation.
- h. Engaging personal attendants, keeping pets and use of appliances like electric heater, refrigerator etc. by a student in the Hostel is prohibited.
- i. All students must abide the rules and regulations of the Hostel as may be framed from time to time.

APPENDIX - II

RULES REGARDING ATTENDANCE

Following are the rules relating to attendance at classes:

1. Attendance in all classes (lectures + tutorials, laboratories, workshops, EAA including its related camps and other publicized activities etc.) are compulsory. A student may be debarred from appearing at an examination on the ground of unsatisfactory attendance.
The teacher concerned may condone absence from classes for a very short period subject to maximum of one week due to unavoidable reasons provided he/she is satisfied with the explanation.
3. a) If the **period of absence is for a short duration (of not more than two weeks) application for leave shall have to be submitted to the Head of the Department concerned** stating fully the reason for the leave requested for along with supporting document(s) the Head of Department will grant such leave.
b) **Absence for a period not exceeding two weeks in a semester due to sickness or any other unavoidable reason for which prior application could not be made may be condoned by the Head of the Department** provided he is satisfied with the explanation.
4. If the **period of absence is likely to exceed two week, a prior application for grant of leave will have to be submitted through the Head of the Department to the Dean, Academic Affairs**, with the supporting documents. The decision to grant or condone such leave shall be taken by the Dean (Academic Affairs) after considering the recommendation of the Head of Department.
5. It will be the responsibility of the student to get his absence from classes condoned by the appropriate authority.
6. A student must intimate his/her absence to the Warden of the Hostel in which he/she is residing,

before availing of any leave. Failing to do so will be construed as breach of discipline and will be dealt with as per provision in *Appendix - III*.

7. In case of natural calamity/ illness/ family problem etc. the condonation / relaxation in Attendance requirement shall be decided by the committee constituted for the purpose.
8. **Late Registration or condonation allowed on any ground does not permit compensation in marks for attendance or in marks for internal evaluation.**

APPENDIX - III

RULES REGARDING CONDUCT AND DISCIPLINE

Following rules shall be in force to govern the conduct and discipline of all student:

1. Students shall show due respect to the teachers of the Institute, the Wardens of the Hostels, the Sports Officers of Gymkhana and the Officers of the National Social Service; proper courtesy and consideration should be extended to the employees of the Institute and of the Hostels. They shall also pay due attention and courtesy to visitors.
2. Students are required to develop a friendly relationship with fellow students. In particular, they are expected to show kindness and consideration to the new student, admitted to the Institute every year. Law bans ragging in any form to anybody - acts of ragging will be considered as gross indiscipline and will be severely dealt with.
3. The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures
 - Ragging as defined by Hon'ble Supreme Court Order(s) writ application No. (C) 656/1998.
 - Furnishing false statement of any kind in the form of application for admission or for award of scholarship etc.
 - Displaying lack of courtesy and decorum; resorting to indecent behavior anywhere within or outside the campus.
 - Willfully damaging or stealthily removing any property/belongings of the Institute. Hostel or fellow students.
 - Possession, consumption or distribution of alcoholic drinks of any kind of hallucinogenic drugs
 - Adoption of unfair means in the examinations.
 - Organizing or participating in any group activity in company with others in or outside the campus without prior permission of the Dean of Student' Affairs.
 - Mutilation or unauthorized possession of library books.
 - Resorting to noisy and unseemly behavior, disturbing studies of fellow students.
 - Not intimating his/her absence to the warden of the Hostel before availing any leave.

Commensurate with the gravity of the offence the punishment may be reprimand, fine expulsion from the Hostel, debarment from an examination, rustication for a specified period or even outright expulsion from the Institute.

4. For an offence committed (a) in the Hostel (b) in the Department or a classroom and (c) elsewhere the Warden, the Head of Department and the Dean of Students' Affairs, respectively, shall have the authority to reprimand or impose fine or take any other suitable measure

All cases involving punishment other than reprimand shall be reported to the Chairman of the Standing Disciplinary Committee

5. (a) All major acts of indiscipline, which may have serious repercussion on the general body of students and/or which may warrant a uniform and more formalized nature of investigation, shall be conducted by the Standing Institute Disciplinary Committee appointed by Senate The standing

Disciplinary Committee consists of the following ex-officio and other members:

- | | |
|--|------------------|
| (i) Dean of Students' Affairs | Chairman |
| (ii) Director's Nominee | Members |
| (iii) Chairman, Hostel Management Committee | Member |
| (iv) Warden of the Hostel of Residence of which the student concerned is a boarder | Member |
| (v) One Faculty nominated by the Senate by rotation for two years | Member |
| (vi) One Student representative nominated by Dean, Students' Affair for one year | Member |
| (vii) The Registrar assisted by The Deputy Registrar (Personnel & Administration) | Member Secretary |

In addition, the Chairman may invite any other person(s) to be associated with the proceedings of a particular case, if their participation is considered necessary in disposing of the matter.

(b) Recommendation of the committee, which will include the suggested punishment in cases of guilt proven, will be forwarded to the Chairman Senate for necessary action.

6. Cases of adoption of unfair means in an examination shall be dealt with by the committee on Examination Malpractice consisting of the following members:

- | | |
|---|------------------|
| (i) Dean, Academics | Chairman |
| (ii) Head of the Department to which the reported student belongs | Member |
| (iii) The Invigilator reporting the case | Member |
| (iv) The Invigilator-in-Charge of the Examination Hall concerned | Member |
| (v) The subject teacher concerned | Member |
| (vi) Two members of faculty nominated by the Director for a term of two years | Member |
| (vii) The Deputy Registrar (Examination) | Member Secretary |

The Committee shall recommend appropriate measures in each case to the Chairman of the Senate for awarding the punishment.

7. Unfair means and Malpractice at Examination

If any student is found involved in malpractice and unfair-means practice at Mid Semester or End Semester Examination then

- The Hall in-charge is required to submit a detailed report to the Controller of Examination/ Dy. Registrar (Exam.), regarding nature of malpractice and/ or Unfair-means adopted by the student with relevant evidence (if any) with signature of the invigilators.
- The student shall be debarred from appearing at the examination in which he/she has been reported and legal action may also be taken as per rules.
- The Dean, Academic Affairs or Competent Authority after consultation with subject/ course expert regarding evidence of Malpractice/ Unfair-means adopted by the student, will issue notice to the student regarding status for appearing at subsequent Examination(s).
- The answer sheet with a copy of report is required to be sealed in separate envelop and placed before the Unfair-means Committee for necessary decision and recommendation of action.
- The details of category and punishment in different case of malpractice and Unfair-means cases are placed at **Appendix – XIV**.

8. Stay-out or Walk-out from Examinations

Students are expected to appear at the examination as per schedule notified, and any grievance with respect to question paper or any other matter related to the examination be discussed with the HOD after the examination and submit their representation with signature of all those students who have something to say regarding the examination question paper difficulties. Any kind of disturbance or staging WALK-OUT shall be considered as a serious act of indiscipline.

There shall be **no re-examination, if student(s) STAY-OUT/ WALK-OUT from the examination hall.** However in special circumstances the issue of **re-examination of courses/ subjects for theory component and/ or Practical component for student(s) who have STAYED-OUT or WALKED-OUT from the examination shall be decided by a Competent Committee** constituted for the purpose.

If any re-examination is recommended, then that examination shall be conducted along with Special Examination, and **grades awarded shall be one lower than the actual grade** as detailed under clause 5.2 of APPENDIX – VIII: GUIDELINES FOR AWARD OF LETTER GRADES.¹

APPENDIX - IV RULES FOR CHANGE OF BRANCH

1. A student admitted to a particular branch of the B.Tech course will normally continue studying in that branch till completion.
2. However, in special cases the Institute may permit a student, admitted through AIEEE, to change from one branch of studies to another after the first two semesters. Such changes will be permitted, strictly in accordance with the provisions laid down hereinafter.
3. Only those students will be eligible for consideration for a change of branch after the Second (Spring) Semester, who have-
 - (a) **Completed all the credits prescribed in the first semesters of their studies, in their first attempt without having had to pass any course requirement in the special examination and/ or summer quarter.**
 - (b) **Obtained a CGPA, at the end of the Second (Spring) Semester, not lower than (i) 8.25** for a change to another Engineering discipline
4. Students admitted to 4 - Year B. Tech. Programs are eligible for consideration for a change of branch to any Engineering course.

Application for a change of branch must be made by intending eligible students in the form prescribed for this purpose. The Deputy Registrar (Academic) will call for application sometime in the Spring Semester of each academic year and the completed forms must be submitted to him by the last date specified in his notification.

5. Students may enlist up to five choices of branch, In order of preference, to which they wish to change over. It will not be permissible to alter the choices after the application has been submitted.
6. Change of branch shall be made strictly on the basis of *inter se* merit of the applicants. For this purpose the CGPA obtained at the end of the second (Spring) Semester shall be considered. Ties will be broken by the AIEEE rank of the applicants.
 - a) In making the change of branch, those applicants shall be first considered who have secured a rank within top 1% (one percent), rounded to the nearest integer, amongst all the first year students in terms of the CGPA scored at the end of the second (spring) Semester. Change of branch requested for by such applicants shall be made without any constraint.
 - b) The remaining applicants may be allowed a change of branch, strictly in order of *inter se* merit, subject to the limitation that the actual number of students in the third (Autumn) Semester, in the branch to which the transfer is to be made, does not exceed 110% of the sanctioned yearly intake for that Branch.
 - c) **Also such change from any branch is to be made keeping in view that the total strength of the branch does not fall below 80% of the sanctioned yearly intake for that branch.**²

Note : Clarification for Clause 6 *Appendix - IV* above:

¹ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

² As per approval of the chairman Senate dated 15.10.2009

The sanctioned yearly intake of a particular branch shall be the number sanctioned by the Senate as the intake for that branch for the particular year of entry of the applicants. To compute the total number of students in the first year sum of the sanctioned yearly intake of all the branches will be taken.

For the purpose of calculating the actual number of students in a particular branch, the number of students joining the branch under Clause 6(a) is to be included.

7. All changes of branch made in accordance with the above rules will be effective from the Third (Autumn) Semester of the applicants concerned. No changes of branch shall be permitted here after.
8. All changes of branch will be final and binding on the applicants. No student will be permitted, under any circumstances, to refuse the change of branch offered,
9. Notwithstanding the provisions of foregoing paragraphs the Senate may, under very special circumstances, permit the transfer of a student from one branch to another, in deviation of the above mentioned rules. In each such case the special reasons for which the transfer is permitted must be recorded in the Senate resolution. Such transfers, if any, will be over and above the regular transfers, and their number will not be counted in the computation of 'Actual Number of Students' in a given branch

APPENDIX - V

COMMON CURRICULA OF 1ST AND 2ND SEMESTER OF FOUR YEAR B. TECH PROGRAM

B. Tech. SEMESTER – I

Sl. No.	Group	Course Code	Course Title	L – T – P	Credits
1	Gr-A	HS 1111	Communicative English	3 – 1 – 0	4
2	Gr-A	MA 1101A	Mathematics – I	3 – 1 – 0	4
3	Gr-A	PH 1101	Physics	3 – 0 – 3	5
4	Gr-A	EE 1101	Basic Electrical Engineering	3 – 0 – 3	5
5	Gr-A	IT 1101A	Fundamentals of Information Technology	3 – 0 – 3	5
6	Gr-A	ME 1102	Engineering Graphics	2 – 0 – 3	4
	Gr-A		Group-A: TOTAL	17 – 2 – 12	27
1	Gr-B	HS 1102	Organizational Behaviour & Industrial Psychology	3 – 0 – 0	3
2	Gr-B	MA 1101	Mathematics – I	3 – 1 – 0	4
3	Gr-B	CH 1101	Engineering Chemistry	3 – 0 – 3	5
4	Gr-B	CE 1101	Engineering Mechanics	3 – 0 – 3	5
5	Gr-B	ME 1101	Elements of Mechanical Engineering	3 – 0 – 3	5
6	Gr-B	ME 1103	Workshop	2 – 0 – 3	4
	Gr-B		Group-B: TOTAL	17 – 1 – 12	26

B. Tech. SEMESTER – II

Sl. No.	Group	Course Code	Course Title	L – T – P	Credits
1	Gr-A	HS 1202	Organizational Behaviour & Industrial Psychology	3 – 0 – 0	3
2	Gr-A	MA 1201A	Mathematics – II	3 – 1 – 0	4
3	Gr-A	CH 1201	Engineering Chemistry	3 – 0 – 3	5
4	Gr-A	CE 1201	Engineering Mechanics	3 – 0 – 3	5
5	Gr-A	ME 1201	Elements of Mechanical Engineering	3 – 0 – 3	5
6	Gr-A	ME 1203	Workshop	2 – 0 – 3	4
	Gr-A		Group-A: TOTAL	17 – 1 – 12	26
1	Gr-B	HS 1211	Communicative English	3 – 1 – 0	4
2	Gr-B	MA 1201A	Mathematics – II	3 – 1 – 0	4
3	Gr-B	PH 1201	Physics	3 – 0 – 3	5
4	Gr-B	EE 1201	Basic Electrical Engineering	3 – 0 – 3	5
5	Gr-B	IT 1201A	Fundamentals of Information Technology	3 – 0 – 3	5
6	Gr-B	ME 1202	Engineering Graphics	2 – 0 – 3	4
	Gr-B		Group-B: TOTAL	17 – 2 – 12	27

Note:

- First and Second semester courses have been divided in two groups: Group A and Group B. Any set of student of any branch is offered Group A of 1st semester then same set of students will be offered Group A of 2nd Semester; likewise set of students of any branch is offered Group B of 1st semester then they will be offered Group B of 2nd semester.
- **Group A:** Electrical Engineering, Civil Engineering and Mechanical Engineering (for re-admitted students).
- **Group B:** Electronics & Communication Engineering, Computer Sc. & Engineering and Information Technology (for readmitted students).
- In Course Code column 'x' represents Semester Code - to be substituted by the department based of subject being offered either in 1st or 2nd Semester.

APPENDIX - VI

CO- ORDINATION COMMITTEES FOR U.G. STUDIES

Composition: One Co-ordination Committee would be constituted for each subject taught by more than one teacher of one or more Department/ Centers. Each committee would consist of all the teachers who are involved with the teaching of the subject during the semester.

One of its members would be nominated by the Head of that Department. under whose name the subject is being offered, to act as its Chairman.

Tenure: The semester in which the subject is being offered

Functions:

- (I) To lay down the course plan for the subject.
- (II) To co-ordinate instructions and progress of teaching in the subject and to ensure that the full syllabus is covered.
- (III) To review periodically the performance of students who have registered in the subject
- (IV) To forward the results of the examinations and the final grades obtained by each student taking the subject to the concerned Head of the Department.
- (V) To moderate the Question papers on the subject and ensure that the syllabus is well covered by the Question papers

Frequency of Meetings: Each Co-ordination Committee shall meet at least four times during the semester

APPENDIX - VII

CREDIT OF A SUBJECT IN SEMESTER & ITS PERCENTAGE CONTRIBUTION

Credit in any Semester is based on Lecture, Tutorial and Practical (L – T – P) hours assigned for the subject, as indicated in column 2, 3 and 4 of the Table below.

Lecture/ Tutorial: One hour per week in a semester will be equivalent to one credit.

Practice: Three hours per week in a semester will be equivalent to two credits i.e. $2/3 = 0.667$ hours/ week in a semester is equivalent to one credit.

$$\text{Credit of a Subject offered in a Semester} = L + T + (P \times 0.667)$$

Credit of any subject will be an integer number. If Credit calculated as stated above has any fractional part that needs to be rounded off to an integer number.

In case the course credit is a fractional number greater than or equal to 0.5, then it should be rounded up to next higher integer. If fractional part is less than 0.5 then should be ignored.

Semester System: Percentage Contribution of Total Full marks (FM) - 100

S. No.	L	T	P	Course Credit	Theory (L – T Component)		Laboratory (P – Component)		Total Full Marks
					End Semester Exam (50% of Col- G)	FM Theory	End Semester Viva Voce (50% of Col- I)	FM Practical	
<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>	<u>J</u>
1.	4	1	0	5	50	100		0	100
2.	4	0	6	8	25	50	25	50	100
3.	4	0	3	6	35	70	15	30	100
4.	3	1	3	6	35	70	15	30	100
5.	3	1	2	5	40	80	10	20	100
6.	3	1	0	4	50	100		0	100
7.	3	0	6	7	20	40	30	60	100
8.	3	0	3	5	30	60	20	40	100
9.	3	0	2	4	37.5	75	12.5	25	100
10.	3	0	0	3	50	100		0	100
11.	2	1	3	5	30	60	20	40	100
12.	2	1	2	4	37.5	75	12.5	25	100
13.	2	1	3/2*	4	37.5	75	12.5	25	100
14.	2	1	0	3	50	100		0	100
15.	2	0	4	5	20	40	30	60	100
16.	2	0	3	4	25	50	25	50	100
17.	2	0	2	3	35	70	15	30	100
18.	2	0	1	3	35	70	15	30	100
19.	2	0	0	2	50	100		0	100
20.	1	1	3	4	25	50	25	50	100
21.	1	1	2	3	35	70	15	30	100
22.	1	1	0	2	50	100		0	100
23.	1	0	8	6	No ES	20	40	80	100
24.	1	0	6	5	No ES	20	40	80	100
25.	1	0	5	4	No ES	25	37.5	75	100
26.	1	0	4	4	No ES	25	37.5	75	100
27.	1	0	3	3	No ES	30	35	70	100
28.	1	0	2	2	No ES	50	25	50	100
29.	0	0	38	25	No ES	0	50	100	100
30.	0	0	36	24	No ES	0	50	100	100
31.	0	0	23	15	No ES	0	50	100	100
32.	0	0	20	13	No ES	0	50	100	100
33.	0	0	15	10	No ES	0	50	100	100
34.	0	0	12	8	No ES	0	50	100	100
35.	0	0	9	6	No ES	0	50	100	100
36.	0	0	8	5	No ES	0	50	100	100
37.	0	0	6	4	No ES	0	50	100	100
38.	0	0	5	3	No ES	0	50	100	100
39.	0	0	4	3	No ES	0	50	100	100
40.	0	0	3	2	No ES	0	50	100	100
41.	0	0	2	1	No ES	0	50	100	100

* Practical class of Three hours- fortnightly i.e. 1.5 Hr/ week

No ES: No Mid/ End Semester examination for Theory component of the course

APPENDIX - VIII

GUIDELINES FOR AWARD OF LETTER GRADES

1. In general there shall be no rigid marks - to - grade linkage. Difficulty levels of the examinations, tests, assignments, viva-voce and other factors that contributed to the final marks are to be considered by the teacher/co-ordination committee of a subject while converting marks into letter grades.
 2.
 - a) The grades 'F' and 'A+' are to be considered as bench mark grades.
 - b) For subjects which have a laboratory component (P-component), to secure any grade higher than 'F' a student has to achieve individually more than the cut-off marks in both the theory component and the laboratory component. Otherwise, he/she has to achieve higher than the cut-off marks in the theory component alone.
 - c) **The cut-off marks below which a student would be assigned an 'F' grade is 35 for the theory component and 40 for the laboratory component.**
 - d) The exceptionally brilliant performance is to be assigned an 'A+' grade. Even the best student of any class needs to be good enough to be awarded the 'A+' grade.
 3. In the case of a relatively large class and/or classes where the performance level depicts more or less a normal distribution:
 - a) The average performance (around mean value of marks) is to be assigned 'C' grade. However, if by teacher's/co-ordination committee's perception the general level of the class is considered to be appreciably high, the average performance may be assigned 'B' grade.
 - b) All other marks to grade conversion are to be done relatively with respect to the average performance in between (but excluding) the F and A+ grades, which have already been assigned, by choosing appropriate boundary marks between grades.
 - c) Normally, in a reasonably large class of students distribution of grades is expected to be as follows
- | | |
|---------|-------------|
| A+ | : < = 10 % |
| A | : 10 – 20 % |
| B, C, D | : 20 – 35% |
| P | : 10 – 26% |
| F | : < = 5% |
4. In the case where a student appears in the special examination or attends summer quarter, the conversion from marks to grade would be done applying the same norm as was framed for the original class.
 - 5.1 For classes where excessive bunching occurs resulting in all most all the marks tending to cluster in to same category, conversion from marks to grade may be done using the table given below, where 'm' stands for the marks obtained.

Range of marks	Grade
$M \geq 90$	A+
$80 < m < 90$	A
$70 < m < 80$	B
$60 < m < 70$	C
$50 < m < 60$	D
$35 < m < 50$	P for Theory Component
$40 < m < 50$	P for Laboratory Component
$= m < 35$	F for Theory Component
$m < 40$	F for Laboratory Component

- 5.2 **Due to disciplinary reasons or any other reason** if a student is recommended **for appearing at regular/ Special end semester examination with reduced grades, then the grade award will be one lower than the actual grade thus scored**, except that of performance grade 'P'

remains unaltered. Grades shall be as elucidated in the table given below: ¹

Grade Obtained	Grade to be awarded
F	F
P	P
D	P
C	D
B	C
A	B
A+	A

To arrive at the lowered grade as above, the student's marks shall be reduced by 10% of the full marks from the marks obtained in each component. However in case of "P" grade marks shall be reduced only up to minimum limit of passing marks in that component (i.e. up to minimum 35% for theory and 40% for practical component). In case of "F" grade NO Change or reduction of marks shall be done."²

6. Co-ordination committee would moderate the results of the different sections of a class if wide disparity in performance across sections were observed.
7. All the requirements for the laboratory component are to be satisfied by a student within deadline set-up by the teacher/ co-ordination committee before the start of the end - semester examination. If a student due to a genuine reason like illness of himself/ herself or calamity in the family, cannot complete a particular sub-component, the teacher/co-ordination committee may allocate him/her additional time. In this case an I-grade if needed may temporarily be allocated to the student in the subject. However, the requirement in any case has to be fulfilled within 15 days after the end of the end - semester examination and the grade finalized.
8. There is a provision of Summer Quarter and Special examination for all students, who have been **declared fail in any course in theory or practical or both component in Autumn/ Spring End Semester examination**. However such provisions are not permitted for courses having only Practical Component. Details of such provisions may be referred under respective annexure(s).³

9. **Grade Card/ Transcript and Academic Status:**

Cumulative Grade Point Average (CGPA) will be calculated for only such students who have passed all courses till previous semester and/ or passed all subjects offered in annual system of PU (for transitory regulation students).

The academic status of a student in a particular semester shall be based on total performance/ evaluation for the courses offered for the program during the current semester.

*The academic status shall be also recorded on the Grade Card issued to the student. The logic table for determining Academic status is placed below in **Table VIII (i)** for reference.*

10. The Duplicate Transcript / Grade Card will be issued on payment of extra charge fixed by the competent authority.
11. Request for issue of Duplicate copy of any document such as Degree, Migration, certificate and Provisional Degree must carry Affidavit and Fee fixed for it.
12. The grade card/ transcript shall be issued by the signature of Deputy Registrar (Exam)/ Dean (Academics) after verification by Program Officer.

¹ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

² Vide Addendum to the B.Tech., B.Arch. and M.Tech Curricula, NITP/5640/10 dated 16/03/2010

³ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

Table - VIII (i)

S. No.	Category	Details of grades and sub-category		
1.	PASS	Grade awarded for All Courses are between A+ to P and Total Credit Earned = Total credit offered during the semester for the program		
2.	BACK LOG	Grade awarded is "F or F*" for some of the course(s) or for all course having different Components as detailed below:		
		<i>Course(s) with Components</i>	<i>Grade Awarded</i>	<i>Classification of failure in different components:</i>
		Theory only	F*	Fail in Theory component.
		Theory & Practical	F*	Fail in Theory component but Pass in Practical component.
		Practical only	F	Fail in Practical component.
		Theory & Practical	F	Fail in Practical only OR Theory and Practical component both.
3.	INCOMPLETE	Grade awarded is "I" , if student has incomplete evaluation as he/ she could not appeared for course(s) at End Semester Examination, i.e. Such students may appear at Special Examination to be held during summer vacation, as per provisions under the curricula for the Program.		
4.	DEBARRED and REPEAT	Grade awarded for Course(s) is "X" , as student have been debarred due to following reasons(s): i) Shortage of attendance i.e. attendance is less than required for a course/ program and/ or ii) Adopting UNFAIR practice at Mid/ End Semester examination and/ or iii) Disciplinary action recommend by Disciplinary Committee. The student under category (i) is required to Re-register for the Course(s) with next batch or next semester as per provisions of the curricula for the program. However, for students under (ii) and/ or (iii) above categories registration shall be allowed after completion of the punishment period only.		

APPENDIX -IX

RULES RELATING TO SUMMER QUARTERS

*Provision of summer quarter stands withdrawn/ abolished for Students admitted from Session 2012-13 as per direction of the 10th Senate, however the provision shall continue for three years for existing students admitted under unrevised regulation*¹

1. Introduction

- 1.1 To enable the undergraduate students to make up deficiencies a Summer Quarter will be organized every year during the summer vacation. *Summer Quarter shall be offered in courses having theory Component and also for Courses having Theory and Practical Components.*²
- 1.2 The students of 4 - year B. Tech. and 5 – year B. Arch. Courses are eligible to register for the Summer Quarter, if any is offered.
- 1.3 **Conduct of the summer quarter** in any course(s) by the department (offering such course) **is not mandatory.**³
- 1.4 Registration during summer quarter **for any course with practical component only** is not permitted.
- 1.5 If any course is being offered by the department during Summer Quarter, then
- The students have to appear for Full course, theory & practical both, at Special examination and will be evaluated for all components by the department at Special Examination.
 - If a student is declared failed at special Examination even after attending summer quarter, then he/ she has to appear for the course as non- collegiate candidate in respective End semester examination(s) as per regulation for examination Under section 12.11(ii).
 - Marks obtained in Special examination of the summer quarter shall be final and recorded in grade card for the student.
- 1.6 If a registered student for summer quarter and is **declared debarred due shortage of attendance** or due to any reason then he/ she will have to **re-register for that course(s) in corresponding semester during next session.**

2. Duration

- 2.1 The duration of the Summer Quarter shall be seven weeks from around the middle of May till around the end of June. The exact dates for holding the Summer Quarter for a particular session shall be decided by the Senate every year while finalizing the Academic Calendar.
- 2.2 The attendance requirement for the Summer Quarter shall be the same as for a regular semester. A student who does not satisfy the norms will not be allowed to appear at the examination.

3. Eligibility

- 3.1 Only those students will be permitted to register themselves for a subject offered in the Summer Quarter who have cleared all Institute and Hall dues till date and have paid the necessary fees and Mess Advances for the Summer Quarter for which they are registering.
- 3.2 A student will be eligible to register in a subject if he/she actually appeared at the last end - semester examination in that subject and obtained the grade 'F'.
- 3.3 A student, who could not appear at the end semester examination due to self - illness or calamity in the family, will also be eligible to register for the subjects concerned in the Summer Quarter as per clause **14.3 II) b)** if his/her attendance was satisfactory in the judgment of the teacher.
- 3.4 No Special Examination shall be held in a subject that is being offered in the Summer Quarter of the session unless extraordinary circumstances justify it.

¹ vide notification No. NITP/ 06/ 12 dated 13-04-2012 as per 10th Senate direction

² Section has been amended as per approval of the Senate meeting held on 26th Sept 2008 effective from Session 2007-08

³ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

4. Registration

- 4.1 All students intending to join a Summer Quarter must register themselves for the subjects concerned on the day fixed for the purpose. No late registration shall be permitted on any ground.
- 4.2 A prevalent Summer Quarter registration fee, as decided by the Institute from time to time shall have to be paid along with the application in a prescribed form.
- 4.3 Registration of students for the Summer Quarter in a subject shall be done by the Faculty Adviser in the Department concerned under the supervision of the Head of the Department.
- 4.4 The weekly lectures and tutorials of a subject taught in the Summer Quarter shall be twice the corresponding loading it carries during the normal semester. The credits allotted to it shall however, remain the same.
- 4.5 A student shall not be allowed to register for more than two subjects during a Summer Quarter.
- 4.6 Summer Quarter in a subject shall be offered only if at least 5 students register for that subject.

5. Assessment

- The teacher offering a particular subject during the Summer Quarter shall
- 5.1 Take care of all aspects of the theory component of the subject, viz, lectures, tutorials, assignments etc.
 - 5.2 Conduct all class tests, mid - semester examination, end-semester examination viva-voce etc. the end - semester examinations may however be centrally arranged.
 - 5.3 Compute the grade as per rules laid down in *Clauses 13.2 (a) through (b) of section 13*. The contribution of the laboratory component, if there is any in the subject, ascertained in the original semester has to be used for computing the numeric marks out of 100.
 - 5.4 The grades -awarded to the registered students must be sent to the Assistant/Deputy Registrar (Academic) within 3 days from the date the examination was held.

APPENDIX - X

RULES REGARDING SPECIAL EXAMINATION

1. Except as specified in Clause 12.3(ii)(b), a student will be eligible to appear in the special examination in a subject if he/she had actually appeared at the last end - semester examination in that subject and obtained the grade 'F'.
2. A student will not be allowed to appear in more than 5 (five) subjects in the special examinations.¹
3. Intending students must submit their application, countersigned by the teacher(s) of the subject(s) or the Head of the Department concerned, along with the necessary fees to the Deputy Registrar (Examination) by the date as announced by a notification.
4. The special examinations shall be held on such dates as laid down in the Academic Calendar for the year or as notified separately.
5. The student appearing at Special examination for any course(s) having "F Grade, their marks shall be computed by substituting marks of Special examination in place of previous end semester examination marks, however internal marks shall remain same and accordingly grade shall be awarded.²
6. The final grades awarded to the students must be sent to the Program Officer/ DR (Examination) within 3 days from the date the special examination was held.

¹ Relaxation for appearing at all failed courses granted to 2010 (Re-admitted) and 2011 Batch students vide Notification No. 467 / Acad., dated 11-04-2012

² Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10

APPENDIX - XI

RULES FOR THE AWARD OF MERIT - CUM - MEANS SCHOLARSHIPS

The Institute award scholarships on the basis of merit-cum-means to all eligible students of the 4 - year B.Tech. / 5 year B. Arch. in accordance with the following rules:

1. All students admitted to any of the 4 - year B.Tech./ 5 year B.Arch. except the students belonging to SC and ST (who are eligible for Post - Metric Scholarship of their respective State Governments) who fulfill the conditions hereinafter appearing shall be eligible for the award of the Merit - Cum - Means (MCM) scholarship.
2. These scholarships will be awarded to not more than 25 % of the students admitted each year to the Undergraduate courses.
3. The value of these scholarships shall be as determined by the Board of Governors from time to time.
4. All MCM scholarship holders will be entitled to exemption from payment of Institute tuition fee. They shall however, be required to pay all other prescribed fees.
- 5 (a) The MCM scholarships will be payable for all 12 months of the academic session. from the month of July of one year to the month of June of the following year.
(b) Scholarships for the month of July shall be paid In full regardless of the date in July when the Institute reopens after the Summer Vacation, provided the student joins .the Institute on the prescribed date of registration. Otherwise, the scholarship for the month of July shall be paid on a pro - rata basis.
6. No student will be permitted to enjoy more than one scholarship during the same period. In the event of an awardees becoming eligible for another scholarship from any other source, he will have the option to accept either of the two. In such a case he/she is required to communicate in writing his/her choice to the Dean of Academic Affairs.
7. The Initial award of the scholarship and it. annual renewal through proper application shall be governed by the following conditions :
 - (a) The student satisfies the *merit criterion* laid down for the award of these scholarships.
 - (b) The parent/guardian of the student satisfies the *means criterion* laid down for the award of the scholarship.
 - (c) No disciplinary action has been taken against him/her during the preceding year.
8. The *merit criterion* for the award of the scholarship shall be as follows:
 - (a) For fresh entrants, the student should have obtained at least 60 % marks in aggregate 'or a grade corresponding to 60 % marks in the qualifying examination for AIEEE.
 - (b) For subsequent renewals, the student's performance in the two consecutive semesters of the preceding session, that is, the average of the two SGPA's concerned, as updated after the last supplementary summer quarter examination, must not be lower than 7.00.
9. The upper limit of annual income as laid down by the Government of India from time to time shall be applicable as the *means criterion* for the award of the scholarships. The income during the financial year completed before the session commences shall be taken into consideration for this purpose.
10. An employer's certificate/copy of the income tax return/Income affidavit for the financial year preceding the grant or renewal of the award, as the case may be, shall have to be submitted by the parent/guardian of the student along with the application for the scholarship
11. In the event of tie among two or more applicants for the award of the last available scholarship, every student involved in the tie will be awarded the scholarship even if the total number of scholarships exceeds the 25% limit.

12. The scholarship holder must (a) obey all the regulations laid down in the *Appendix - II* regarding attendance (b) appear in all the semester examinations except for illness or calamity in the family (to be supported by documents). In case of any breach the scholarship would be terminated.
13. Outstanding Institute and Hostel dues, if any, may be deducted at the source and the balance, if any, would be paid to the Scholar.
14. Those students who satisfy the specified *means criterion* but are unable to satisfy the specified *merit criterion* may be granted exemption from the payment of tuition fees. The number of such *tuition - free* students shall be restricted to 10 % of the students admitted each year.

Appendix - XII

DISCRETIONARY PROBATION AND DISMISSAL FROM PROGRAM

Students liable for dismissal for academic reasons will be dismissed unless placed on probation. No student liable for dismissal may expect probation as a matter of right.

Probation can be given at the request of student by applying to Dean (Academic) through his/ her department and the request should be made in the first week of the beginning of the semester. Decision to permit a student to continue his/ her studies on probation must be based on individual consideration of his/ her case and a conclusion that, in view of all the relative circumstances, there are valid reasons to believe that the student can raise himself/ herself academically to the required level of achievement after one semester on probation.

Such valid reasons should be spelled out and documented in academic performance evaluation committees' minutes for each student placed under probation.

Students placed on probation for a semester will be dismissed unless such a student attains a minimum SGPA of 4.50 and CGPA of 6.00. When a student is placed on probation he/ she will be notified.

A student's academic status and auditing is required to be done and he she shall be granted discretionary Probation or dismissal from a course/ program as per curricula for different program. The academic auditing for such students is required to be done by respective department's Performance Evaluation Committee for different programs before the start of registration to a semester. The details are given below for reference¹:

S. No.	Program	Semester and Period for Academic Auditing	Remarks
1.	B. Tech./ B. Arch	2 nd Semester and Within One Year of admission	Probation in 2 nd Sem (within one year)
		In case of readmission as per Section 9.5 (iii) then within Two Years of admission.	Probation in 2 nd Sem (within two years) and Dismissal from program after completion of two years.
2.	B. Tech./ B. Arch	Within Three Years of Admission	Probation in 5 th / 6 th sem
3.	B. Tech.	In Fourth year and Within Six years of admission	Probation in 7 th / 8 th Sem and dismissal from Program after completion of six years
4.	B. Arch.	In 5 th Year and within Seven years of admission	Probation in 8 th / 9 th Sem and Dismissal from Program after completion of seven years.

In case of disciplinary action, adopting malpractice and unfair-means in examination or any other reason of action against any student, he/ she may be granted probation and/ or dismissal from a program by the Institute on recommendation of different committee constituted for the purpose.

¹ Sections under Appendix XII has been revised as per approval of the Senate meeting held on 26th Sept 2008

Appendix - XIII

REFUND RULES OF TUITION FEE AND OTHER FEE DEPOSITED BY ANY STUDENT AFTER TAKING ADMISSION IN THE INSTITUTION AND CANCELLATION/ WITHDRAWAL THEREAFTER

1. The candidates withdrawing from the program before registration to the program are required to submit application to the Dean (Academics)/ Assistant Registrar (Admission) with counter signature of the Parent/ Legal Guardian. Such candidates are exempted from submission of NO DUES.

No request for cancellation of admission and/ or permission to withdraw from a program shall be entertained unless application is countersigned by Parent/ Legal Guardian with justifications. However there may be exceptions to the above requirement.

2. Any student may request for withdraw from the Institute after admission and joining the program. But in such all cases, the student is required to inform the Dean Academics through the HOD and submit reasons/ justification before grant of such permission.

The student is required to submit No Dues from different departments, labs, Hostel, Library, Accounts and academic section on NO DUES PROFORMA form before grant of permission to withdrawal.

3. Refund of fee deposited at Central Counseling Board (CCB) or any other admission agency shall be allowed only if amount has been transferred to the Institute as per rules of the Institute only.
4. The application of refund of fee etc. shall be processed only after admission has been closed for the session.
5. Refund Rules of tuition fee and other fee deposited by any candidate/ student after taking Admission in the allotted Institution and cancellation/ Withdrawal thereafter from the institution are processed as per following categories:

S. No.	<i>Category of Withdrawal/ cancellation of Admission</i>	<i>Refund of Initial Fee deposited/ Admission fee/ Tuition Fee/ Development Charges/ Registration charges, Examination fee, Caution money etc.</i>
1.	Candidates withdraws after reporting and/ or during the period when Counseling for admission/ allotment of seats is in progress at CCB and Vacated/ cancelled seats have been referred back/ transferred to the admission agency for admission in subsequent counseling.	Refund of initial Fee as per Admission Agency rules (i.e. CCB) in different Academic Sessions plus Processing fee of the institution Refund will be made by the institution only after receipt/ transfer of from CCB
2.	<u>Before the Institution level Counseling:</u> Students withdraw after reporting/ taking admission at the institution and/ or leave the institution after registered to a program. In such case vacated/ cancelled seats have been referred back/ transferred for admission in subsequent counseling along with institutional counseling scheduled for filling up lapsed/ vacant seats in different branches.	Refund of Fee shall be made after deduction of Rs 1000/- as admission processing/ cancellation fee of the Institute, in addition to the Processing fee of CCB, from the initial amount deposited at the Institute. ¹
3.	<u>After the Institution level Counseling:</u> Students withdraw after reporting/ taking admission at the institution and/ or leave the institution after registration to a program. In such case vacant seat due to cancellation/ withdrawal or lapsed/ vacant seats in different branches will remain vacant/ can not be filled up.	No refund of fee will be allowed, except examination fee and Caution money if deposited by the student. The institution will claim for transfer of initial fee deposited by the student at the CCB as seat will remain vacant for next 4 yrs for B. Tech and 5 yrs for B. Arch program.

¹ Amendment in refund of fee rules to the candidates withdrawing admission vide order dates 28.12.2010

Appendix - XIV

EXAMINATION MALPRACTICE AND UNFAIR MEANS CASES (UMC) DURING EXAMINATIONS

1. The provisions of punishment for various reported cases of *Unfair-means Cases (UMC) in Examination during End semester/ Special examination* is as given below:

Category (1)	Nature of offence (2)	Provision of Punishment (3)
1.	Possession of piece of paper which is unconnected with the matter or making identifying mark on the answer book.	Cancellation of the Examination in that paper. OR If the student has been debarred from subsequent examination, then all subsequent papers.
2.	Possession of piece of paper, which is connected with the subject matter but not utilized.	Cancellation of the Current Examination
3.	Utilization of piece of paper / notes/ books chits etc which is connected with the subject matter of the Examination	Cancellation of current Examination and debar from any Examination in the next one academic session. After the next academic session the student has to get registration in the same semester and attend classes (i.e. re- admission).
4.	Substituting replacing, changing or adding pages in the answer book supplied to the candidate, taking answer book outside the examination hall, tempering with material evidence, threatening the persons connected with the examination.	Cancellation of current/ ongoing Examination and debar from any Examination in the next two academic session i.e. after two academic sessions, the student (s) has/ have to get registered in the same semester and attend classes (i.e. re-admission)
5.1	Impersonation: (a) If the Impersonator is identified to be a student of the Institution, (b) If the Impersonator is identified to be other than a student of the Institution (c) In case of both 5.1 (a) & (b) above:- In respect of the student for whom the impersonator was appearing	(a) His admission be cancelled and he be expelled from the Institution. (b) He shall be handed over to the police/ magistrate for action under the law. (c) Examination of that paper be cancelled and further action for cancellation of current examination of all papers be taken after enquiry & confirmation
5.2	Disruption of examination by slogans or Gherao, leading to cancellation of examination.	Cancellation of the Current Examination. (As for UMC-2 above) and reduction of one grade whenever such students appear in the cancelled paper(s).
5.3	Snatching or tearing of answer book of other examinees	Cancellation of current Examination and debar from any Examination in the next one academic session i.e. after one academic sessions, the student(s) has/ have to get registered in the same semester and attend classes (i.e. re-admission) (As for UMC-3 above)

Category (1)	Nature of offence (2)	Provision of Punishment (3)
5.4	Threats or assault or use of force against persons connected with examination	Cancellation of current Examination and debar from any Examination in the next two academic session i.e. after two academic sessions, the student (s) has / have to get registered in the same semester and attend classes (i.e. re-admission) (As for UMC-4 above)
5.5	Exhibiting Gross indiscipline	Disciplinary action and legal action may be initiated considering the seriousness of the offence.
5.6	Illegal activities by examinees.	Any or all of the aforesaid punishment, considering the seriousness of the offence.

2. The provision of punishment for various reported cases of Unfair means Cases (UMC) in Examination during Mid Semester examination is as given below:

Category (1)	Nature of offence (2)	Provision of Punishment (3)
1	Possession of piece of paper which is unconnected with the subject matter or making identifying mark on the answer book	Cancellation of the concerned paper OR If the student has been debarred from subsequent examination, then all subsequent papers.
2.	Possession of piece of paper which is connected with the subject matter but not utilized.	Cancellation of all the papers of the current Examination
3	Utilization of piece of paper / note books/ chits etc which is concerned with the subject matter and any act of indiscipline	Cancellation of all the papers of the current Examination and disciplinary action which may lead to debar from the End Semester Examination and any other legal action may be initiated depending upon the nature of the offence.

Note: In above table “**Possession of piece of paper**” has been further broadened vide notification No. NITP/11/ 12 dated 23rd April 2012 as detailed below:

“Possession of Mobile or any other electronic gadget having capability of mass storage and programming during Mid or End Semester examination be considered as equivalent to Possession of piece of paper connected/ unconnected with subject matter of the examination.”¹

Appendix – XV

TRANSITORY REGULATIONS FOR B. TECH./ B. ARCH. PROGRAM²

- The regulations herein specified apply to undergraduate programmes offered by National Institute of Technology (NIT) Patna and shall be applicable to all students who are presently registered under Patna University for award of B. Sc. Engg./ B. Arch degree.
- The academic status of students under transitory regulation shall be governed by the B.Sc. Engg./ B. Arch. Examination Regulation of Patna University at the time of registration at NIT Patna.

¹ Vide notification No. NITP/11/ 12 dated 23rd April 2012 as per approval of the 10th Senate

² The transitory regulation is now applicable to students, who all are presently in final year during session 2009-10

3. The curricula – regulations, course structure and syllabus of semester system effective from academic session 2007-08 shall be applicable to all students covered under the transitory regulations.
4. In order to qualify for B. Tech. degree, a student must earn a minimum of 200 credits and to qualify for B. Arch. Degree a student must earn a minimum of 250 credits. Need for compliance of subjects under depth and breadth requirement will be waived off.
5. Credit of subjects already covered under annual system is given in Table -1 for its equivalent credit in semester system. Credit in any Semester/ Annual system is based on Lecture, Tutorial and Practical (L – T – P) hours assigned for the subject, as indicated in column 2 of the Table-1 below.

$$\begin{aligned} \text{Credit of a Subject offered in a Semester} &= L + T + (P \times 0.667) \\ \text{Equivalent credit in Annual system} &= \{L + T + (P \times 0.667)\} \times 1.6 \end{aligned}$$

Credit of any subject will be an integer number. If Credit calculated has any fractional part that will be rounded off to next higher value, if fractional part is equal to 0.5 or more than 0.5; else be ignored.

Table 1: Equivalent credit of subject in Semester system and annual system

S. No.	L – T – P	Credit of subject in semester system	Equivalent Credit in Annual System
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1	4 – 0 – 6	8	13
2	3 – 0 – 6	7	11
3	1 – 0 – 8	6	10
4	4 – 0 – 3	6	10
5	3 – 1 – 2	5	9
6	3 – 0 – 3	5	8
7	2 – 0 – 4	5	8
8	1 – 0 – 5	4	7
9	3 – 0 – 2	4	7
10	2 – 1 – 2	4	7
11	0 – 0 – 6	4	6
12	2 – 0 – 3	4	6
13	3 – 1 – 0	4	6
14	2 – 1 – 3/2*	4	6
15	2 – 0 – 2	3	5
16	1 – 0 – 3	3	5
17	2 – 0 – 2	3	5
18	3 – 0 – 0	3	5
19	2 – 1 – 0	3	5
20	2 – 0 – 1	3	4
21	0 – 0 – 4	3	4
22	1 – 0 – 2	2	4
23	0 – 0 – 3	2	3

* 3/2: Practical class of Three hours fortnightly i.e. 1.5 Hr/ week

6. Transitory Regulation for students appeared/ passed in B. Sc. Engg./ B. Arch. 2007 Annual Examination of Patna University is detailed below in table -2.

Table – 2: B. Sc. Engg./ B. Arch. Annual System of P.U. vs Semester System of NIT Patna

Student admitted in Academic Session	Status in B. Sc. Engg. / B. Arch 2007 Annual Examination under PU Regulation	Status of student at NIT Patna under semester system in Academic Session 2007-08
B. Sc. Engg./ B. Arch 2006-07	Eligible for promotion to next year	Student will get register in 3 rd Semester & will be governed by Semester rules. Examination of carry over subjects will be conducted by NIT Patna as per PU Syllabus.

Student admitted in Academic Session	Status in B. Sc. Engg. / B. Arch 2007 Annual Examination under PU Regulation	Status of student at NIT Patna under semester system in Academic Session 2007-08
	Declared fail in 1 st year	Student will take re-admission in 1 st semester & will be governed by Semester rules. Required to Pay Tuition Fee and other annual Charges/ Fee as per rules of NIT Patna.
B. Sc. Engg./ B. Arch 2005-06	Eligible for promotion to next year	Student will Register in 5 th Semester & will be governed by Semester rules. Examination of carry over subjects will be conducted by NIT Patna as per PU Syllabus [#] .
	Declared fail in 2 nd year	Student will take re-admission in 3 rd semester & will be governed by Semester rules. Required to Pay Tuition Fee and other annual Charges/ Fee as per rules of NIT Patna.
B. Sc. Engg./ B. Arch 2004-05	Eligible for promotion to next year	Student will Register in 7 th Semester & will be governed by Semester rules. Examination of carry over subjects will be conducted by NIT Patna as per PU Syllabus.
	Declared fail in 3 rd year	Student will take re-admission in 5 th semester & will be governed by Semester rules. Required to Pay Tuition Fee and other annual Charges/ Fee as per rules of NIT Patna.
B. Arch. 2003-04	Eligible for promotion to next year	Student will Register in 9 th Semester & will be governed by Semester rules Examination of carry over subjects will be conducted by NIT Patna as per PU Syllabus.
	Declared fail in 4 th year	Student will take re-admission in 7 th semester & will be governed by Semester rules. Required to Pay Tuition Fee and other annual Charges/ Fee as per rules of NIT Patna.
B. Sc. Engg. 2003-04 and B.Arch. 2002-03 and earlier Sessions	Declared fail in carryover papers	Those who failed in the examination they may appear at the examination conducted by PU or May get registered in B. Tech.- 7 th semester/ B. Arch - 9 th Semester of NITP and in this case they will be governed under transitory regulations of NIT Patna. Required to Pay Tuition Fee and other annual Charges/ Fee as per rules of NIT Patna. Examination of carryover paper will be conducted by PU as per existing PU rules.

7. The students, who have got registered at NIT Patna for award of B. Tech./ B. Arch. degree may appear in their carry over subjects/ year back subjects in the examination conducted by Patna University under B. Sc. (Engg.)/ B. Arch. Examination Regulation and Syllabus (under annual scheme) with their Patna University Registration Number.

[#] As per No Objection issued by Patna University vide letter no. VC/RES/152 Dated 29.07.2008

8. NIT Patna adopts B. Sc. Engg./ B. Arch Examination Regulation and syllabus (under annual scheme) of Patna University for the conduct of Special Examination during summer vacation[#].
9. The students presently registered at NIT Patna (as per Table – 2) and has carry over in some of the subjects/ papers of B. Sc. Engg./ B. Arch Program as per Patna University Regulation are required to pass in those papers; the provision for the same is outlined below:
 - (i) The students may appear for such carry over subjects/ papers in examination(s) conducted by Patna University (as per Section 7 above) and/ or at Special Examination conducted by NIT Patna during summer vacation, with syllabus of Patna University[#].
 - (ii) The students are required to deposit examination fee as fixed by the institution and must full fill all conditions to appear in the examination as per Patna University/ NIT Patna regulation.
 - (iii) The students shall be allowed **only two opportunities to pass/ clear the subject with the old syllabus of Patna University.**
 - (iv) If student who do not pass/ clear the carry over subjects/ paper in examination(s) conducted for the purpose, then he/ she shall not be granted promotion to higher semester. He/ she is required to get registered for equivalent course/ subject for carry over subjects/ papers under new syllabus/ course structure during regular semester/ summer quarter as per the rules of NIT Patna. The equivalent course/ subject and credits shall be decided by the head of the department/ course Coordinator.
 - (v) The students are required to fulfill minimum credit criterion and time bar under section - 12 Examination subsection 12.12 as stated in **Curricula for B. Tech./ B. Arch. Program 2007.**
10. The students who have got **year back/ not granted Promotion** under Patna university Regulation may get registered in equivalent lower semester as indicated in Table -2, thereafter they will be governed by NIT Patna Transitory Regulation.

If any student under the above category doesn't prefer to get register in equivalent semester but wants to appear in examination for such year back subjects/ papers as per Patna University Syllabus and Regulation; then the provisions are as stated below:

- (i) The students may appear for such year back subjects/ papers in examination(s) conducted by Patna University (as per Section 7 above) and/ or at Special Examination conducted by NIT Patna during summer vacation, with syllabus of Patna University[#].
- (ii) The students are required to deposit Registration fee, examination fee and any other fee applicable as fixed by the institution and must full fill all conditions to appear in the examination as per Patna University/ NIT Patna regulation.
- (iii) The students shall be allowed **only two opportunities to pass/ clear the year back subjects with the old syllabus of Patna University.**
- (iv) If any student do not pass/ clear the year back (as per PU regulation) in the examination(s) conducted for the purpose, he/ she shall not be granted promotion to higher semester rather he/ she shall have to get registered in equivalent lower semester as per NIT Patna regulation.
- (v) If any student is eligible for promotion (as per PU regulation) but now he/ she has carry over in some of the subject/ papers then, he/ she shall be granted promotion to equivalent higher semester. But he/ she is required to get registered for equivalent courses/ subjects for carryover subjects/ papers under new syllabus/ course structure during regular semester/ summer quarter as per the rules of NIT Patna. The equivalent course/ subjects and credits shall be decided by the head of the department/ course Coordinator.
- (vi) The students are required to fulfill minimum credit criterion and time bar under section - 12 Examination subsection 12.12 as stated in **Curricula for B. Tech./ B. Arch. Program 2007.**

[#] As per No Objection issued by Patna University vide letter no. VC/RES/152 Dated 29.07.2008

11. Students admitted during session 2003-04 of B. Sc. Engg. and during session 2002-03 of B. Arch program their examination for carryover papers will be conducted by Patna University for award of B. Sc. Engg./ B. Arch Degree.
12. Conversion of marks obtained by any student in annual system will be directly converted to GPA/ SGPA/ CGPA with table-3 under ten point grade system for different considerations and minimum requirement for award of degree.

Table -3: Percentage Equivalence of Grade Point for a Ten Point Scale:

Grade Point	Percentage Marks
6.00	Passed under annual system but marks obtained is less than 55%.
6.25	55
6.75	60
7.25	65
7.75	70
8.25	75

Transitory Regulations valid till Session 2010-11¹
(For all students (Except B. Tech/ B. Arch 1st Semester)

Reference	Existing Provisions	Amended Transitory Rules
U/s 9.6 (b)	Students having backlog till 2008-09 and not registered during Autumn Semester Session 2009-10	Permitted to appear as non-collegiate candidate. As per amendment, and Registration for all such courses is also permitted in which a student has been sent up and failed in that course, but wants to improve by re-registering in that backlog course , provided the normal time table of the semester permits registration in any such course ²
12. Examination U/S 12.4	Registered for backlog paper but declared debarred due to shortage of attendance during Session 2009-10: Autumn semester.	Permitted to appear as non-collegiate candidate as per clause 8.1(a), provided in previous session he/ she was sent-up for the course and obtained "F" grade . All Internal marks of that session/ Semester shall be carried forward.

¹ Amendments to Curricula for B. Tech/ B. Arch/ Master's Program 2008 vide Notification No. NITP/ 2997/09 dated 22.12.2009 with effect from Spring Semester Session 2009-10 and extended till 2011-12 by the approval of Senate, cease to **exist with effect from session 2012-13 vide notification No. NITP/ 06/12 dated 13th April 2012.**

² Addendum to the transitory regulation B. Tech/ B. Arch/ Master's Program 2008 (except 1st and 2nd Semester students) vide Notification No. NITP/ 5586/10 dated 09.03.2010 extended till 2011-12 by 9th Senate

Details of Total credit earned by students Under Transitory Regulation for award of B. Tech./ B. Arch. Degree (i.e. from Annual System being transfer to semester system):

Admission Session	Degree under Transitory Regulation (NIT) /Examination(s)	B.Arch	B. Tech (Civil)	B. Tech (Mech)	B. Tech (Elect)	B. Tech (ECE)	B. Tech (CSE)	B. Tech (IT)
2006 – 07	B. Sc. Engg/ B. Arch. 1 st Year	51	49	49	49	49	49	49
2006 – 07	B. Tech/ B. Arch. 3 rd Semester	28	28	27	27	26	27	27
2006 – 07	B. Tech/ B. Arch. 4 th Semester	28	27	27	27	26	25	27
2006 – 07	B. Tech/ B. Arch. 5 th Semester	27	26	25	26	28	29	26
2006 – 07	B. Tech/ B. Arch. 6 th Semester	28	27	26	27	27	27	26
2006 – 07	B. Tech/ B. Arch. 7 th Semester	27	27	28	27	26	26	26
2006 – 07	B. Tech/ B. Arch. 8 th Semester	29	27	26	27	27	24	23
2006 – 07	B. Arch 9 th Semester	27						
2006 – 07	B. Arch 10 th Semester	27						
2006 – 07	Total Credits Under Transitory Regulation	272	211	208	210	209	207	204
2005 – 06	B. Sc. Engg/ B. Arch. 1 st Year	51	49	49	49	49	49	49
2005 – 06	B. Sc. Engg/ B. Arch. 2 nd Year	51	52	50	51	51	50	51
2005 – 06	B. Tech/ B. Arch. 5 th Semester	27	29	26	28	28	29	28
2005 – 06	B. Tech/ B. Arch. 6 th Semester	28	27	28	25	27	26	29
2005 – 06	B. Tech/ B. Arch. 7 th Semester	27	27	24	28	26	27	26
2005 – 06	B. Tech/ B. Arch. 8 th Semester	29	27	26	28	27	26	23
2005 – 06	B. Arch 9 th Semester	27						
2005 – 06	B. Arch 10 th Semester	27						
2004 – 05	Total Credits Under Transitory Regulation	267	211	203	209	208	207	206
2004 – 05	B. Sc. Engg/ B. Arch. 1 st Year	51	49	49	49	49		
2004 – 05	B. Sc. Engg/ B. Arch. 2 nd Year	51	52	50	51	51		
2004 – 05	B. Sc. Engg/ B. Arch. 3 rd Year	51	53	49	50	50		
2004 – 05	B. Tech/ B. Arch. 7 th Semester	27	29	27	28	26		
2004 – 05	B. Tech/ B. Arch. 8 th Semester	29	30	29	28	25		
2004 – 05	B. Arch 9 th Semester	27						
2004 – 05	B. Arch 10 th Semester	27						
2004 – 05	Total Credits Under Transitory Regulation	263	213	204	206	201		
2003 – 04	B. Arch. Engg 1 st Year	51						
2003 – 04	B. Arch. Engg 2 nd Year	51						
2003 – 04	B. Arch. Engg 3 rd Year	51						
2003 – 04	B. Arch. Engg 4 th Year	51						
2003 – 04	B. Arch 9 th Semester	27						
2003 – 04	B. Arch 10 th Semester	27						
2003 – 04	Total Credits Under Transitory Regulation	258						

**EQUIVALENT CREDIT DISTRIBUTION UNDER TRANSITORY REGULATION FOR B. Sc. (Engg.)/ B. Arch. PROGRAM –
ANNUAL COURSE STRUCTURE OF PATNA UNIVERSITY**

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
			B. Arch Program											
ARUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
ARUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
ARUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
ARUG	1PU	AR P108	Basic Arch Design	Paper-4	S-1	Paper-5	S-11	100	100	200	2	0	4	8
ARUG	1PU	AR P117	History of Culture	Paper-5		Paper-7		100	0	100	2	1	0	5
ARUG	1PU	AR P120	Solid Geometry, Scale & Free Hand Drawing	Paper-6	S-3	Paper-9	S-7	100	100	200	2	0	4	8
ARUG	1PU	ME P114	Mechanics & Graphics	Paper-7	S-4	Paper-12	S-4	100	50	150	2	1	2	7
ARUG	1PU	CE P102	Building Materials & Field Measurement	Paper-8	S-2	Paper-13	S-2	100	50	150	2	0	2	5
ARUG	1PU	ME P121	Workshop Practice	Paper-9	S-5	Paper-9	S-10	0	100	100	0	0	3	3
ARUG	2PU	AR P202	Arch Design - I	Paper-1	S-1	Paper-1	S-1	100	100	200	2	0	4	8
ARUG	2PU	CE P201	Building Construction	Paper-2	S-2	Paper-2	S-2	100	100	200	2	0	4	8
ARUG	2PU	AR P223	Visual Arts & Psychology of perception	Paper-3	S-5	Paper-3	S-5	100	50	150	2	0	2	5
ARUG	2PU	AR P216	History of Arch	Paper-4		Paper-4		100	0	100	2	1	0	5
ARUG	2PU	AR P214	Contemporary Architecture	Paper-5		Paper-5		100	0	100	2	1	0	5
ARUG	2PU	AR P212	Climatology	Paper-6		Paper-6		100	0	100	2	1	0	5
ARUG	2PU	AR P213	Computer Applications, CPM & PERT	Paper-7		Paper-7		100	0	100	2	1	0	5
ARUG	2PU	CE P207	Fundamental of Structures	Paper-8	S-3	Paper-8	S-3	100	50	150	2	1	2	7
ARUG	2PU	AR P205	Arch. Workshop	Paper-9	S-4	Paper-9	S-4	0	100	100	0	0	3	3
ARUG	3PU	AR P303	Arch Design - II	Paper-1	S-1	Paper-1	S-1	100	100	200	2	0	4	8
ARUG	3PU	CE P201	Building Construction	Paper-2	S-2	Paper-2	S-2	100	100	200	2	0	4	8
ARUG	3PU	AR P306	Architectural rendering	Paper-3	S-3	Paper-3	S-3	100	50	150	2	0	2	5

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
ARUG	3PU	AR P310	Building Services & Air Conditioning	Paper-4		Paper-4		100	0	100	2	1	0	5
ARUG	3PU	AR P301	Arch Acoustics & illumination	Paper-5		Paper-5		100	0	100	2	1	0	5
ARUG	3PU	AR P309	Bldg. Estimation, Accounts & Specification	Paper-6		Paper-6		100	0	100	2	1	0	5
ARUG	3PU	AR P311	City Planning & Housing	Paper-7		Paper-7		100	0	100	2	1	0	5
ARUG	3PU	CE P315	Theory of Structures	Paper-8	S-4	Paper-8	S-4	100	50	150	2	1	2	7
ARUG	3PU	AR P205	Arch. Workshop	Paper-9	S-5	Paper-9	S-5	0	100	100	0	0	3	3
ARUG	4PU	AR P404	Arch Design - III	Paper-1	S-1			100	100	200	2	0	4	8
ARUG	4PU	AR P407	Architecture Detailing & Working Drawing	Paper-2	S-2			100	100	200	2	0	4	8
ARUG	4PU	AR P418	Interior Design and Rendering	Paper-3	S-3			100	50	150	2	0	2	5
ARUG	4PU	AR P419	Professional Practice & Bldg. Bye Laws	Paper-4				100	0	100	2	1	0	5
ARUG	4PU	AR P422	Valuation	Paper-5				100	0	100	2	1	0	5
ARUG	4PU	HS P403	Sociology and Building Economics	Paper-6				100	0	100	2	1	0	5
ARUG	4PU	AR P421	Urban Design & landscape Architecture	Paper-7				100	0	100	2	1	0	5
ARUG	4PU	AR P415	Design of Structures & Structural Systems	Paper-8	S-4			100	50	150	2	1	2	7
ARUG	4PU	AR P205	Arch. Workshop	Paper-9	S-5			0	100	100	0	0	3	3
			B. Sc (Engg) Civil Engineering Program											
CEUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
CEUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
CEUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
CEUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
CEUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6
CEUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-3	Paper-10	S-5	100	50	150	2	1	1.5	6
CEUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
CEUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-12	S-8	100	50	150	2	1	1.5	6

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
CEUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3
CEUG	2PU	MA P205	Mathematics - III	Paper-1		Paper-1		100	0	100	2	1	0	5
CEUG	2PU	MA P201	Computational Techniques	Paper-2	S-1	Paper-2	S-1	100	50	150	2	1	1.5	6
CEUG	2PU	CE P213	Surveying - I	Paper-3	S-3	Paper-3	S-3	100	50	150	2	1	1.5	6
CEUG	2PU	ME P215	Mechanics of Solid - I	Paper-4	S-2	Paper-4	S-2	100	50	150	2	1	1.5	6
CEUG	2PU	CE P203	Building Science	Paper-5	S-4	Paper-5	S-4	100	50	150	2	1	1.5	6
CEUG	2PU	ME P206	Fluid Mechanics	Paper-6	S-5	Paper-6	S-5	100	50	150	2	1	1.5	6
CEUG	2PU	ME P213	Mechanical Engineering	Paper-7		Paper-7		100	0	100	2	1	0	5
CEUG	2PU	CE P208	Geology and Geo Mechanics	Paper-8	S-6	Paper-8	S-6	100	50	150	2	1	1.5	6
CEUG	2PU	CE P204	Civil Engineering Drawing	Paper-9	S-7	Paper-9	S-7	0	100	100	0	0	6	6
CEUG	3PU	CE P314	Surveying - II	Paper-1	S-3			100	100	200	2	1	3	8
CEUG	3PU	CE P310	Structural Analysis - I	Paper-2				100	0	100	2	1	0	5
CEUG	3PU	CE P309	Soil Mechanics	Paper-3	S-2			100	50	150	2	1	1.5	6
CEUG	3PU	CE P306	Environmental Engineering	Paper-4	S-6			100	50	150	2	1	1.5	6
CEUG	3PU	CE P305	Concrete Structures	Paper-5	S-4			100	50	150	2	1	1.5	6
CEUG	3PU	CE P311	Structural Design - I	Paper-6	S-1			100	100	200	3	0	6	11
CEUG	3PU	CE P316	Water Resources Engineering - I	Paper-7	S-5			100	50	150	2	1	1.5	6
CEUG	3PU	CE P312	Structural Mechanics	Paper-8				100	0	100	2	1	0	5
			B. Sc (Engg) Computer Sc & Engineering Program											
CSUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
CSUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
CSUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
CSUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
CSUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
CSUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-3	Paper-10	S-5	100	50	150	2	1	1.5	6
CSUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
CSUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-12	S-8	100	50	150	2	1	1.5	6
CSUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3
CSUG	2PU	MA P205	Mathematics - III	Paper-1				100	0	100	2	1	0	5
CSUG	2PU	MA P201	Computational Techniques	Paper-2	S-4			100	50	150	2	1	1.5	6
CSUG	2PU	ME P215	Mechanics of Solid - I	Paper-3	S-2			100	50	150	2	1	1.5	6
CSUG	2PU	EC P211	Solid State Physics and Devices	Paper-4				100	0	100	2	1	0	5
CSUG	2PU	EC P203	Basic Electronics	Paper-5	S-3			100	100	200	2	1	2	7
CSUG	2PU	EC P207	Digital Electronics	Paper-6	S-1			100	100	200	2	1	3	8
CSUG	2PU	ME P217	Thermodynamics - I	Paper-7				100	0	100	2	1	0	5
CSUG	2PU	CS P205	Programming Methodology and Data Structures	Paper-8	S-5			100	50	150	2	1	1.5	6
CSUG	2PU	ME P220	Workshop - II	Paper-9	S-6			0	50	50	0	0	1.5	2
			B. Sc (Engg) Electronics & Comm. Engineering Program											
ECUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
ECUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
ECUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
ECUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
ECUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6
ECUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-3	Paper-10	S-5	100	50	150	2	1	1.5	6
ECUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
ECUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-11	S-8	100	50	150	2	1	1.5	6
ECUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
ECUG	2PU	MA P205	Mathematics - III	Paper-1		Paper-1		100	0	100	2	1	0	5
ECUG	2PU	MA P201	Computational Techniques	Paper-2	S-1	Paper-2	S-1	100	50	150	2	1	1.5	6
ECUG	2PU	EC P203	Basic Electronics	Paper-3	S-4	Paper-3	S-4	100	100	200	2	1	3	8
ECUG	2PU	ME P215	Mechanics of Solid - I	Paper-4	S-2	Paper-4	S-2	100	50	150	2	1	1.5	6
ECUG	2PU	ME P217	Thermodynamics - I	Paper-5		Paper-5		100	0	100	2	1	0	5
ECUG	2PU	EE P202	Electrical Machine - I	Paper-6	S-3	Paper-6	S-3	100	50	150	2	1	1.5	6
ECUG	2PU	EC P211	Solid State Physics and Devices	Paper-7		Paper-7		100	0	100	2	1	0	5
ECUG	2PU	EC P207	Digital Electronics	Paper-8	S-5	Paper-8	S-5	100	100	200	2	1	3	8
ECUG	2PU	ME P220	Workshop - II	Paper-9	S-6	Paper-9	S-6	0	50	50	0	0	1.5	2
ECUG	3PU	EE P307	Introduction to Microprocessor	Paper-1	S-1			100	100	200	2	1	3	8
ECUG	3PU	EE P306	Instrumentation - I	Paper-2	S-5			100	50	150	2	1	1.5	6
ECUG	3PU	EE P308	Network Theory	Paper-3	S-4			100	50	150	2	1	1.5	6
ECUG	3PU	EC P301	Analog Electronics	Paper-4	S-3			100	100	200	2	1	3	8
ECUG	3PU	EE P310	Signals and Systems	Paper-5	S-6			100	50	150	2	1	1.5	6
ECUG	3PU	EE P305	Electromagnetic Field Theory	Paper-6				100	0	100	2	1	0	5
ECUG	3PU	EC P306	Communication System	Paper-7	S-2			100	50	150	2	1	1.5	6
ECUG	3PU	EC P310	Optical Fiber Communication	Paper-8				100	0	100	3	0	0	5
			B. Sc (Engg) Electrical Engineering Program											
EEUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
EEUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
EEUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
EEUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
EEUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6
EEUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-3	Paper-10	S-5	100	50	150	2	1	1.5	6

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
EEUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
EEUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-12	Tr-8	100	50	150	2	1	1.5	6
EEUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3
EEUG	2PU	MA P205	Mathematics - III	Paper-1		Paper-1		100	0	100	2	1	0	5
EEUG	2PU	MA P201	Computational Techniques	Paper-2	S-1	Paper-2	S-1	100	50	150	2	1	1.5	6
EEUG	2PU	EC P203	Basic Electronics	Paper-3	S-4	Paper-3	S-4	100	100	200	2	1	3	8
EEUG	2PU	ME P215	Mechanics of Solid - I	Paper-4	S-2	Paper-4	S-2	100	50	150	2	1	1.5	6
EEUG	2PU	ME P217	Thermodynamics - I	Paper-5		Paper-5		100	0	100	2	1	0	5
EEUG	2PU	EE P202	Electrical Machine - I	Paper-6	S-3	Paper-6	S-3	100	100	200	2	1	3	8
EEUG	2PU	EC P211	Solid State Physics and Devices	Paper-7		Paper-7		100	0	100	2	1	0	5
EEUG	2PU	EC P207	Digital Electronics	Paper-8	S-5	Paper-8	S-5	100	50	150	2	1	1.5	6
EEUG	2PU	ME P220	Workshop - II	Paper-9	S-6	Paper-9	S-6	0	50	50	0	0	1.5	2
EEUG	3PU	EE P307	Introduction to Microprocessor	Paper-1	S-2			100	100	200	2	1	3	8
EEUG	3PU	EE P306	Instrumentation - I	Paper-2	S-3			100	50	150	2	1	1.5	6
EEUG	3PU	EE P308	Network Theory	Paper-3	S-5			100	50	150	2	1	1.5	6
EEUG	3PU	EC P301	Analog Electronics	Paper-4	S-6			100	50	150	2	1	1.5	6
EEUG	3PU	EE P304	Electrical Machine - II	Paper-5	S-1			100	100	200	2	1	3	8
EEUG	3PU	EE P309	Power System - I	Paper-6				100	0	100	2	1	0	5
EEUG	3PU	EE P310	Signals and Systems	Paper-7	S-4			100	50	150	2	1	1.5	6
EEUG	3PU	EE P305	Electromagnetic Field Theory	Paper-8				100	0	100	2	1	0	5
B. Sc (Engg) Information Technology Engineering Program														
ITUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
ITUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
ITUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
ITUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
ITUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6
ITUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-3	Paper-10	S-5	100	50	150	2	1	1.5	6
ITUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
ITUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-12	S-8	100	50	150	2	1	1.5	6
ITUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3
ITUG	2PU	MA P201	Computational Techniques	Paper-1	S-1			100	50	150	2	1	1.5	6
ITUG	2PU	EC P203	Basic Electronics	Paper-2	S-4			100	100	200	2	1	3	8
ITUG	2PU	EC P209	Digital Electronics & Microprocessors	Paper-3	S-6			100	100	200	2	1	3	8
ITUG	2PU	MA P202	Discrete Mathematics & Automata	Paper-4				100	0	100	2	1	0	5
ITUG	2PU	CS P202	Introduction to Computer Graphics	Paper-5	S-5			100	50	150	2	1	1.5	6
ITUG	2PU	CS P201	Introduction to Computer & Computer Architecture	Paper-6				100	0	100	2	1	0	5
ITUG	2PU	CS P203	Introduction to Computer Programming	Paper-7	S-3			100	50	150	2	1	1.5	6
ITUG	2PU	CS P204	Operating Systems	Paper-8				100	0	100	2	1	0	5
ITUG	2PU	HS P201	Communicative Skill	Paper-9	S-2			0	50	50	0	0	1.5	2
			B. Sc (Engg) Mechanical Engineering Program											
MEUG	1PU	MA P103	Mathematics - I	Paper-1		Paper-1		100	0	100	2	1	0	5
MEUG	1PU	MA P104	Mathematics - II	Paper-2		Paper-2		100	0	100	2	1	0	5
MEUG	1PU	HS P104	Technical English	Paper-3		Paper-3		100	0	100	2	1	0	5
MEUG	1PU	PH P101	Physics	Paper-4	S-1	Paper-4	S-1	100	50	150	2	1	1.5	6
MEUG	1PU	CH P101	Chemistry	Paper-5	S-2	Paper-6	S-3	100	50	150	2	1	1.5	6
MEUG	1PU	ME P104	Engineering Mechanics	Paper-6	S-5	Paper-10	S-5	100	50	150	2	1	1.5	6
MEUG	1PU	ME P103	Engineering Drawing	Paper-7	S-4	Paper-8	S-6	100	100	200	1	0	5	7
MEUG	1PU	EE P101	Basic Electrical Engineering	Paper-8	S-5	Paper-12	S-8	100	50	150	2	1	1.5	6

Program	Year	Course Code	Course Title	PU Paper Code	PU Practical Code	Theory Code (old)	Practical Code (Old)	Theory FM	Practical FM	Full Marks	L	T	P	Course Credits
MEUG	1PU	ME P119	Workshop - I	Paper-9	S-6	Paper-9	S-9	0	100	100	0	0	3	3
MEUG	2PU	MA P205	Mathematics - III	Paper-1		Paper-1		100	0	100	2	1	0	5
MEUG	2PU	MA P201	Computational Techniques	Paper-2	S-1	Paper-2	S-1	100	50	150	2	1	1.5	6
MEUG	2PU	ME P206	Fluid Mechanics	Paper-3	S-4	Paper-3	S-4	100	50	150	2	1	1.5	6
MEUG	2PU	ME P215	Mechanics of Solid - I	Paper-4	S-2	Paper-4	S-2	100	50	150	2	1	1.5	6
MEUG	2PU	EC P203	Basic Electronics	Paper-5	S-3	Paper-5	S-3	100	50	150	2	1	1.5	6
MEUG	2PU	ME P212	Material Science & Engg. Materials	Paper-6		Paper-6		100	0	100	2	1	0	5
MEUG	2PU	ME P208	Kinematics of Machinery	Paper-7	S-6	Paper-7	S-6	100	50	150	2	1	1.5	6
MEUG	2PU	ME P217	Thermodynamics - I	Paper-8	S-5	Paper-8	S-5	100	50	150	2	1	1.5	6
MEUG	2PU	ME P210	Machine Drawing	Paper-9	S-7	Paper-9	S-7		50	50	0	0	1.5	2
MEUG	2PU	ME P220	Workshop - II	Paper-10	S-8	Paper-9	S-8		50	50	0	0	1.5	2
MEUG	3PU	CS P204	Operating Systems	Paper-1	S-1			100	50	150	2	1	1.5	6
MEUG	3PU	ME P309	Machine Design & Drawing	Paper-2	S-2			100	100	200	3	0	3	8
MEUG	3PU	ME P316	Mechanics of Solid - II	Paper-3	S-5			100	50	150	2	1	1.5	6
MEUG	3PU	ME P301	Applied Thermodynamics - II	Paper-4	S-3			100	50	150	2	1	1.5	6
MEUG	3PU	HS P302	Engg. Economics & Management	Paper-5				100	0	100	2	1	0	5
MEUG	3PU	ME P302	Dynamics of Machine	Paper-6	S-7			100	50	150	2	1	1.5	6
MEUG	3PU	ME P307	Heat & Mass Transfer	Paper-7	S-4			100	50	150	2	1	1.5	6
MEUG	3PU	ME P305	Fluid Machinery	Paper-8	S-6			100	50	150	2	1	1.5	6

