Academic Regulations for B.Tech / B. Arch

(With amendments as approved by the 20th ACM)

Choice Based Credit System (CBCS)

(Applicable for students admitted in 2015)

HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE

"TO MAKE EVERY MAN A SUCCESS AND NO MAN A FAILURE"

No. 1, Rajiv Gandhi Salai (OMR) | Padur | Chennai - 603 103

Ph. +91 44 2747 4262 / 385 / 395

Follow us: hindustanuniv.ac.in | Facebook | Twitter

ACADEMIC REGULATIONS FOR B. Tech / B.Arch

Under Choice Based Credit System (CBCS)

(Effective from Academic year 2015 - 16)

1.0   Vision, Mission and Objectives

1.1   The Vision of the University is "To make every man a success and no man a failure".

The University has identified itself with a mission to provide every individual with a conducive environment suitable to achieve his / her career goals, with a strong emphasis on personality development, and to offer quality education in all spheres of Engineering, Technology, Applied Sciences and Management studies, without compromising on the quality and code of ethics.

1.2   Further, the University always strives

- To train our students with the latest and the best in the rapidly changing fields of Engineering, Technology, Management studies, Science & Humanities.
- To develop the students with a global outlook possessing, state of the art skills, capable of taking up challenging responsibilities in the respective fields.
- To mould our students as citizens with moral, ethical and social values so as to fulfil their obligations to the nation and the society.
- To promote research in the field of Science, Humanities, Engineering, Technology and allied branches.

1.3   Aims and Objectives of the University are focused on

- Providing world class education in Engineering, Technology, Applied Sciences and Management studies.
- Keeping pace with the ever changing technological scenario and help the students to gain proper direction to emerge as competent professionals, fully aware of their commitment to the society and the nation.
- To inculcate a flair for Research, Development and Entrepreneurship.

2.0   Admission

2.1.   The admission policy and procedure shall be decided from time to time by the Board of Management (BOM) of the University, based on the guidelines issued by the UGC/ Ministry of Human Resource Development (MHRD), Government of India. The number of seats in each branch of the B.Tech / B.Arch programme will be decided by the Board of Management of the University as per the directives from UGC / MHRD, Government of India, taking into account the market demands. Seats are also made available upto 20% of the sanctioned intake for Non Resident Indians and foreign nationals, who satisfy the admission eligibility norms of the University.

2.2.   Eligibility for Admission

(i) Full-Time:

The candidates should have passed the final examination of the 10+2 system or its equivalent with Mathematics, Physics and Chemistry as courses of study. Admission to B.Arch programme will be based on the norms of the Council of Architecture (CoA).

(ii) Lateral Entry (B.Tech only):

The candidates should possess a Diploma in Engineering/Technology in the relevant branch of specialization awarded by the State Board of Technical Education, Tamil Nadu or any other competent authority accepted by the Board of Management of the University as equivalent thereto.

The selected candidates under lateral entry category will be admitted to the third semester of the B.Tech programme after he/she fulfils all the prescribed admission requirements / norms of the University and payment of the prescribed fees.

2.3   Students who have appeared for the qualifying examination can also apply for admission. However, their admission will be subject to the fulfilment of the eligibility norms of the University.

2.4   Minimum percentage of marks required and Age limit

The minimum percentage of marks required in all or specific subjects of study at 10+2 level / Diploma and the age limit for admission to UG programmes shall be

decided by the Board of Management from time to time and will be published in the University Website /Admission brochure.

2.5. In all matters relating to admission to the B.Tech / B.Arch programmes, the decision of the Board of Management of the University will be final.

2.6. If at any time after admission, it is found that a candidate has not fulfilled one or many of the requirements stipulated by the University, or submitted forged certificates, the University has the right to revoke the admission of the candidate with information to the Academic Council and the candidate will forfeit the fee paid and legal action may be taken against the candidate as decided by the Board of Management.

3.0   Structure of the B.Tech / B.Arch Programme

Choice Based Credit System (CBCS) is introduced from the Academic year 2015-16 in the curriculum to provide students a balanced approach to their educational endeavour.

3.1 Under CBCS, the programme will consist of the following categories of courses:

i)   **General Core foundation** (**CF**) courses comprising of
- English;
- Basic Sciences (BS)including Physics, Chemistry, Mathematics;
- Engineering Sciences (ES), including Basic Engineering courses such as Material Science, Basic Workshop, Engineering Drawing, Engineering Graphics, Basics of Civil /Electrical/Electronics/Mechanical/Computer/ Instrumentation Engineering,; etc.

ii)   **Compulsory Courses (CC) consisting of**
   a. **Professional Core (PC),**courses introducing the students to the foundation of Engineering topics related to the chosen programme of study comprising of theory and Practical/ field work/ Mini project/ Project
   b. **Professional Electives** (**PE**) -are elective courses enabling the students to take up a group of courses for specialisation/ interest to him/her in his/her programme of study.

iii)   **Engineering Electives(EE)** - Engineering electives are offered by Engineering departments (across disciplines);

iv) **Open Electives** (**OE**) - Courses offered by non-Engineering departments (Science & Humanities Management School etc.,) other than communication skills and personality development courses etc.;

v) **Non-CGPA courses** shall be offered in certain semesters which are compulsory, but not calculated for GPA and CGPA. However, the credits will be mentioned in the grade sheet.

vi) <u>**Value Education as Non – CGPA course:**</u> The total contact hours is 20. This course will not have internal Assessment Test and End semester Exam. The grades shall be given as **Satisfactory / Not Satisfactory** as given by the HOD at the end of the semester.

In addition, a student should satisfactorily complete NSS/NCC/NSO and Professional practice like Seminar and/or Internship in Industry or elsewhere and Soft skill (as given below) development as prescribed in the respective curriculum.

3.2   **a.** The B.Tech programme structure will consist of 4 categories of courses i.e.,

- **Core Foundation (CF)** comprising English, Basic Sciences, Engineering Sciences;
- **Compulsory Courses (CC)** comprising **Professional Core (PC)**, **Professional Elective (PE)**;
- **Engineering Elective (EE)**
- **Open Electives (OE)** distributed over various semesters (two semesters per year) and the eighth semester consists of project work in addition to theory courses depending on the programme structure.

b. The B.Arch programme structure will consist of CF, CC, PC, PE, EE and OE as above. However, the courses of study under each category will be decided by the Board of Studies of Architecture

3.3   The distribution of the different categories of courses mentioned above across various semesters will be decided by the respective Board of Studies.

3.4   All B. Tech. / B.Arch Programmes will have the curriculum and syllabi (course contents) as approved by the Academic Council of the University.

3.5   Credits are the weightages assigned to the courses based on the following general pattern:

- One lecture / Tutorial period per week --- 1 credit
- Three periods of Practical per week --- 1 credit
- Three to four weeks of industrial training --- 2 credits
- Theory with Practical Component --- 4 / 5 credits

Table 1 :Credit weightages for courses

Lectures (periods per week)	Tutorials (periods per week.)	Practical Work (periods per week)	*Credits (L: T: P)*	Total *Credits*
4	0	3	*4:0:1*	5
3	0	3	*3:0:1*	4
3	0	0	*3:0:0*	3
3	1	0	*3:1:0*	4
2	1	0	*2:1:0*	3
2	0	2	*2:0:1*	3
2	1	2	*2:1:1*	4
0	0	3	*0:0:1*	1
0	0	6	*0:0:2*	2

3.6 The curriculum for B. Tech. programmes are designed to have a minimum of **180 credits distributed** across eight semesters of study for the award of degree and the B.Arch programme is designed to have a minimum **216 to 220 credits** distributed across ten semesters of study.

3.7 Normally a semester shall not have more than six lecture based study courses and four laboratory courses as prescribed in the curriculum carrying a maximum of 30 credits.

3.8 Every course as per curriculum of a B. Tech. programme is grouped in one of the four broad categories listed in Table 2.

Table 2: Suggested Curriculum Structure for B. Tech. Degree Programmes

Sl. No.	Course Classification	Range of Total Credit (%)	Suggested (out of 180)	
			% of Total Credit	Credit

1	Core Foundation (CF)	20-30	25	45
2	Core Courses (CC)	55-65	60	108
	i) Professional Core (PC)#,	40-60	50	90
	Theory	(*30-40)*	(35)	(63)
	Lab/project work	(10-20)	(15)	(27)
	ii) Professional Electives (PE)	8-12	10	18
3	Engineering Electives (EE)	5-10	8	15
4	Open Electives (OE)	5-10	7	12
	Total		100	180
	Additional 6 credits for Soft skills			

Departments in consultation with their respective Board of Studies (BOS) are permitted to combine the theory and lab contents judiciously so as to meet the total credit criteria.

The total number of credits for the B.Tech programme shall be 180 and for B.Arch programme shall be 216 - 220.

3.9 A student must earn a minimum number of credits under each category as shown in Table-2 and also a minimum total of **186 credits** for the award of B. Tech. degree. For Lateral entry students, the minimum requirement is **136 credits** for the award of B. Tech. degree. The student must earn minimum **216/220 credits** for award of B.Arch. degree.

The suggested course distribution per semester is shown below in Table 3.

*Table 3: Suggested Credit Distribution for B.Tech programme^*

Credits/	1	2	3	4	5	6	7	8	Total

Semester									
CC		7	17	17	21	20	20	6	**108**
CF	20	17	4	4					**45**
EE			3	3	3	3	3		**15**
OE				3	3	3	3		**12**
Total	20	24	24	27	27	26	26	6	**180**
Soft skills	1	1	1	1	1	1			**6**

^ However, the departments are permitted to decide on the credit distribution as per the requirements in consultation and approval by the respective Board of Studies (BoS). – Additional 6 credits are included for soft skills and technical aptitude

3.10 The medium of instruction is English for all courses, examinations, seminar presentations and project reports.

4.0 Faculty Advisor

4.1 To help the students in planning their selection of courses and programme of study and for getting general advice on the academic programme, the concerned Department will assign a certain number of students to a Faculty member who will be called their Faculty Advisor.

5.0 Class Committee

5.1 Every section / batch of the B. Tech. programme will have a Class Committee consisting of Faculty and students.

5.2 The constitution of the Class Committee will be as follows:

a) One professor not associated with teaching the particular class shall be nominated by the Head of the Department to act as the Chairman of the Class Committee as approved by the Dean of the respective school.

b) Course coordinator of each of the lecture based subjects (for common courses)

c) Workshop Superintendent (for first two semesters)

d) Four students from the respective class nominated by Head of the Department ; and

e) Faculty Advisors of the respective class.

All teachers offering the common courses shall be invited to attend class committee meetings.

5.3   The basic responsibilities of the Class Committee are

a) To review periodically the progress of the classes
b) To discuss issues concerning curriculum and syllabi and the conduct of the classes.
c) The method of assessment in the course will be decided by the teacher, in consultation with the class committee and will be announced to the students at the beginning of the semester. Each class committee will communicate its recommendations to the Head of the Department, Dean of the School and the Dean (Student Affairs).
d) The Class Committees shall meet at least thrice in a semester, the first meeting at the beginning of the semester, the second after first unit test, and the third before the end semester examination.
e) Class Committee shall also review the academic performance of the students including attendance, Internal assessment and other issues like discipline, maintenance etc.

6. Grading

6.1   A grading system as below will be adhered to.

Table 4: Grading system

Range of Marks	Letter Grade	Grade Points	Remarks
90 – 100	S	10	Outstanding
80-89	A	09	Excellent
70-79	B	08	Very Good
60-69	C	07	Good
50-59	D	06	Average
45 – 49	E	05	Pass

<45	U	00	To Reappear for end-semester examination
--	RI	00	Incomplete: Failure due to want of minimum internal marks (40%). *Subsequently to be changed into pass (E to S) or U grade in the respective semester.*
Detained	---	*00*	*Failure due to insufficient* **cumulative attendance** *for all the regular courses in that semester including, theory and practical. No grade will be issued for this category. The student has to redo all the courses of the semester in which he/she is detained and obtain the required attendance and the internal assessment marks.*

6.2 GPA and CGPA

GPA is the ratio of the sum of the product of the number of credits C_i of course "i " and the grade points P_i earned for that course taken over all courses "i" registered by the student to the sum of C_i for all "i ". That is,

$$GPA = \frac{\sum_i C_i P_i}{\sum_i C_i}$$

CGPA will be calculated in a similar manner, in any semester, considering all the courses enrolled from the first semester onwards.

6.3 For the students with letter grade **RI** and **U** in certain courses, the same will not be included in the computation of GPA and CGPA until those grades are converted to the regular grades.

7.0 Registration for courses in a Semester

7.1 A student will be eligible for registration of courses in any semester only if he/she satisfies regulation **11** (maximum duration of the programme) and only if he/she has cleared all dues to the University, Hostel, Library up to the end of the previous semester and provided that he/she is not debarred from enrolment on disciplinary grounds.

7.2 Except for the first year courses, registration for a semester will be done in the parent department during a specified week before the start of the semester as per the Academic Calendar and the schedule for registration announced by the respective schools.

Late registration/enrolment will be permitted by the Registrar, on recommendation of the Dean of the respective schools, with a fine, as decided from time to time, up to two weeks from the last date specified for registration.

7.3 The registration sheet contains the course code, course name, number of credits, category of each course to be taken in that semester and signature of the course instructor. The student shall make the choice of course in consultation with his/her Faculty Advisor.

7.4 Meritorious students are permitted to register for additional courses, *on payment of prescribed fee*, for earning additional credits from Vth semester onwards, provided the student have at least 7.5 CGPA in the earlier semesters and without any standing arrears.

Such students can also register for more additional elective courses of their choice during their VII and VIII semester, if so desire, subject to the following conditions

a) The maximum number of credits registered in any semester shall not exceed 30.
b) No withdrawal from any of the regular courses for which a student is registered for the semester in which he/she has is enrolled except as per clause **8.0**.
c) The student's Faculty Advisor and Head of the Dept. shall recommend the same.

7.5 *Students may have to pay additional fee for registering in certain elective courses under Engineering Electives / Open electives / Additional Credit Courses offered by certain specific Departments and for Foreign Languages, as decided from time to time.*

8.0 Registration Requirement

8.1 The curriculum for any semester, except for the first and final semester will normally carry credits between 21 and 30.

8.2   The student should make sure that the registration for courses (CF/CC/EE/OE) for a particular semester is as per the student handbook. In case of non-conformity, the Faculty Advisor has the liberty to modify the registration as per the academic regulations that are in force, in consultation with the student and the HOD.

9.0   Registration Procedure

9.1   If a student finds his/her academic course load is heavy in any semester, or for any other valid reason, he/she may drop EE/OE courses within **ten working days** of the commencement of the semester with the written approval of his/her Faculty Advisor and Head of the Department.

However, the student should ensure that he / she has reregistered for all CF/ CC courses for that semester as per the curriculum and course structure.

9.2   The number of EE/OE credits that a student can register during a semester shall not exceed more than 6 credits of the total stipulated credits mentioned by the Department for the particular semester. However, this restriction is not applicable for final year (see clause 18.2)

9.3   In case of an academic backlog carried forward in a semester, registration for additional courses for extra credits will be restricted to maintain the minimum/ maximum requirements as prescribed in this regulation (Clause 7.4 (a) and 9.1).

10.0   Continuation of the Programme - (Progression from one academic year to next)

10.1   A student should earn not less than 15 *credits* **in the preceding academic year to proceed to the next academic year. (This clause is suspended for 2015 batch as per the amendments approved by the 20th Academic Council meeting)**

If a student fails to earn a minimum of 15 credits in each academic year as stated above, he/she has to discontinue the programme till he/she earns the required *credits* as specified during the preceding year.

10.2   If a student is **detained** for want of minimum cumulative attendance calculated by putting all the regular courses of that semester *or RI grade* (due to lack of minimum internal marks as specified in 15.7) **in all courses prescribed in a**

semester, he/she is detained and will not be allowed to proceed to the next semester. He/she has to re-register for the courses in the next academic year only.

10.3 A student is permitted to take a break up to a maximum of 2 semesters during the entire programme to complete the backlog requirements.

11.0 Maximum Duration of the Programme

(i) Full-Time:

Every full-time student is expected to complete the B. Tech programme in **8 semesters** and B.Arch programme in **10 semesters**.

However, a student may complete the programme at a slower pace, but in any case **not more than 12 semesters for B.Tech and 14 semesters for B.Arch**, excluding semesters withdrawn on medical grounds etc. as per clause **12.0**.

(ii) Lateral Entry:

Every lateral   is expected to complete the B.Tech programme in **6 semesters**. However, a student may complete the programme at a slower pace, but in any case **not more than 10 semesters**, excluding semesters withdrawn on medical grounds etc. as per the clause **12.0**.

(iii) A student completing the B.Tech / B. Arch programmes during the extended period will not be eligible for University ranking.

12.0 Temporary Withdrawal from the Programme

A student may be permitted by the Vice- Chancellor to withdraw from the entire programme for maximum of two semesters for reasons of ill health or other valid reasons as recommended by a committee consisting of Head of Department, Dean of School, Dean (Academic) and Dean (Student Affairs).

13.0 Discipline

13.1 Every student is required to observe utmost discipline and decorum both inside and outside the campus and not to indulge in any activity which may bring down the prestige/ reputation of the University.

13.2 Any act of indiscipline of a student reported to the Dean (Academic) and Head of the Departments will be referred to a Discipline Committee constituted for the purpose. The Committee will enquire into the charges and decide on a suitable punishment if the charges are substantiated. The committee will also authorize the Dean (Academic) to recommend to the Vice Chancellor the implementation of the decision. The student concerned may appeal to the Vice Chancellor whose decision will be final. The Dean (Academic) will report the action taken at the next meeting of the Academic Council.

13.3 Ragging in any form is a criminal and non-bailable offence in our country. The current State and Central legislations provide for stringent   punishments including imprisonment. Once the involvement of a student(s) is established in ragging, offending fellow students/staff, harassment of any nature to the fellow students/staff etc. the student(s) will be liable to be dismissed from the University, as per the laid down procedures of the UGC / Govt./ University. Every senior student of the University, along with their parent, shall give an undertaking every year in this regard and the same should be submitted at the time of Registration.

14.0 Attendance

14.1 *A student whose cumulative attendance is less than 75% in any semester, whatever may be the reason for the shortfall of the attendance, will not be permitted to appear for the end-semester examination in which attendance shortfall exists.*

His/her registration for   all   the   courses   of   the semester will be treated as cancelled, and he/she shall redo the semester in the subsequent year.

If a student is detained in a semester for shortage of attendance, he/she shall re-redo the semester once again in the subsequent semester and gain required attendance and get new internal assessment marks to become eligible to appear for the end semester examination.

14.2 The teacher handling a course must finalise the attendance 3 calendar days before the last instructional day of the course.

The particulars of all students who have attendance less than 75% in that course must be announced in the class by the teacher himself/herself and published in the department notice board.

Copies of the same should be sent to the Controller of Examination through the Dean (Academics) and Heads of Departments concerned. Students who get less than 75% shall not be permitted to appear for the end-semester examination for that course. The Vice Chancellor on specific recommendation of the Standing Sub Committee on attendance constituted by the Academic Council may permit any such student(s) to appear for the examination based on the merit of the case.

14.3 Condonation of Attendance: Every student is expected to put in 100% attendance. The minimum attendance requirement is 75%. For cases of casual absenteeism, no condonation of attendance is permissible. If a student has less than 75%, he/she will be detained. The percentage of attendance in a semester is computed as:

(a) **Calculation of attendance:**

For cases of casual absenteeism, actual % of attendance is computed as:

$$\frac{\text{Actual no. of classes attended in the semester x 100}}{\text{Total no. of classes held in that semester till date of compilation of attendance}}$$

Which should be ≥ 75% failing which the student will be detained.. Such cases will not come under the purview of condonation of attendance.

(b) **Cases of illness/Medical Leave:**

A student should have *at least 65% attendance* without considering Medical leave as calculated as in (a) above. For condonation, the attendance is computed as:

Notional % of attendance in a course=

$$\frac{\text{Actual no. of classes attended by the student in that semester x 100}}{\text{(Total no. of classes held in the course during the semester) - (No. of classes held in the semester during thedays of leave approved for medical leave/ illness (as in 14.3 C))}}$$

which should be ≥ 75% for condonation.

(c) The **Attendance Monitoring Committee** shall meet during first week of every month and review the attendance status of students till the end of previous month. Defaulters will be identified and HODs/Deans shall be directed to alert the student and his parents. Record of such communications and progress reports shall be documented and kept with the Head of Department. The list of students with attendance percentage will be displayed in the respective department notice boards before 10th of every month by the respective Head of the department

All medical certificates / OD applications received in original up to 30th of previous month will be examined and all ineligible Medical leave and OD' will be rejected and students will be informed on such rejections. All requests for ML's/OD's shall be submitted to the office of Dean (Academic) duly forwarded by the HOD and Class Teacher and an Entry Register shall be maintained by the Dean (Academic) with the students signature obtained at the time of submission of each such ML/OD forms. Total no. of ML/OD approved in a semester will be applied while computing the final attendance for all the courses put together *only if required,* to secure the minimum stipulated eligibility for writing the end semester examination.

(d) Application for condonation recommended by the Faculty Advisor, concerned faculty member and the HOD is to be submitted to the standing sub-committee on attendance through Dean (Academics). The Vice - Chancellor depending on the merit of the case, may permit the student to appear for the end semester examination based on the recommendations of the Standing sub Committee for attendance. A student will be eligible for this concession only for a maximum of two semesters during the entire degree programme. Application for medical leave shall be supported by original medical certificates(admission and discharge certificates, Medical reports on hospital letterhead etc.) with endorsement by a Registered Medical Officer or University Physician and should reach the HOD within seven days after returning from leave, and no casual (one page standard format/ Photostat) medical certificate will be accepted. The ML/OD for the previous month will be accepted for consideration only till 10th of the following month by the office of the Dean (Academics) and the report will be sent to the respective HODs

- Late submitted MC will not be accepted.

- For any major / prolonged medical treatment like accident/critical illness etc. the parent shall inform the HOD in writing at the beginning of the treatment/hospitalisation itself.

(e) University is providing support to those students who are involved in extracurricular activities such as representing the University in Sports and Games, Cultural Festivals, and Technical Festivals, NCC/ NSS events. For calculation of attendance for these cases:

A student should have at least 65% cumulative attendance in the semester as calculated as per (a) above. For condonation the OD attendance is computed as:

Notional % of attendance =

$$\frac{\text{Actual no. of classes attended by the student} \times 100}{(\text{Total no. of classes held in the semester}) - (\text{No. of classes held in the semester during the days approved as "on duty"})}$$

which should be ≥ 75% for condonation.

All such applications supported with valid relevant certificates shall be recommended by the Physical Director / Cultural Co-ordinator or Programme In-charge and the concerned HOD and shall be forwarded to the Dean (Academic) within seven instructional days on their return after the programme / activity.

15.0 Internal and End Semseter Assessment Procedure:

15.1 The Academic Council will decide from time to time on the procedure for Internal Assessments (test, assignment and examinations) in each course in each semester.

15.2 Theory Course : For each theory course, the assessment will be done on a continuous basis as follows:

Table 5: Internal Assessment

Test / Exam	Weightage	Duration of Test / Exam
First Periodical Test	10%	2 Periods
Second Periodical Test	10%	2 Periods
Third Periodical Test	15%	2- 3Periods

Seminar/Assignments/Quiz	10%	-
Attendance*	5%	-
End – semester examination	50%	3 Hours

*76-80% - 1mark; 81-85 – 3 marks; 86-90 – 4 marks; 91-100 – 5 marks

15.3 Practical Course: For practical courses, the assessment will be done by the course teachers as below:

(i) Weekly assignment/Observation note book / lab records and viva –   weightage 60%.

(ii) End semester examination of 3 hours duration including viva– (weightage 40%).

15.4 For courses on Physical Education, NSS, NCC, NSO, YRC etc. the assessment will be graded "Satisfactory/Not Satisfactory".

15.5 A student has to compulsorily attend summer internship during 3rd year for a minimum period of 2 weeks and maximum period of one month.

In lieu of summer internship, the student is permitted to register for undertaking case study / project work under a faculty of the University and carry out the project for minimum period of one month.

In both the cases, the internship report in the prescribed format duly certified by the faculty in-charge shall be submitted to the HOD. The evaluation will be done through presentation and viva. The course will have a weightage of 2 credits. However, this will be treated as non-CGPA course.

15.6 Theory courses with practical Component: For theory courses with practical component the assessment will be calculated as follows.

Theory Component   - 60% (Internal Assessment – 30% + End Semester Exam – 30%)

Practical Component – 40% (Internal Assessment – 20% + End Semester Exam – 20%)

15.7 *A student whose internal assessment marks is less than 40% in any course, will not be permitted to appear for the end-semester examination in that particular course.*

His/her registration for that course will be treated as cancelled, and he/she will be awarded **"RI" grade** (RI stands for registration cancelled for want of minimum internal marks) in that course. This grade shall appear in the grade sheet till the course is successfully completed in the subsequent semester(s).

If a student does not score minimum internal assessment marks in a course he/she will not be permitted to write the End Semester Examination for that course even if he/she has obtained the minimum prescribed attendance in that course.

He / she shall **re – register and undergo the internal assessment procedure** (submission of assignments, writing all unit tests, quiz and attending special classes) as per the directions of the Head of the Department and obtain the minimum prescribed internal marks to become eligible to appear in the End semester Examination for that course. He/she has to pay the prescribed fee per course to register for improving the internal assessment marks. However, attending regular classes for the course is not mandatory.

16. Project evaluation

16.1 For Project work, the assessment will be done on a continuous basis as follows:

Table 6 : Assessment of Project work

Review / Examination scheme	Weightage
First Review	10%
Second Review	20%
Third Review	20%
Project report and Viva – Voce	50%

For the end – semester examination, the student shall submit a Project Report in the prescribed   format issued by the Dean of Schools. The first three reviews will be conducted by a Committee constituted by the Head of the Department. The end – semester   assessment   will   be   based on the project   report and a viva on the project conducted by a Committee constituted by the Registrar / Controller of examination. This will include an external expert.

17. Declaration of results

17.1 **Theory courses:**

A student shall secure the following minimum marks in each theory course in a semester to secure a pass in that course

a. Individual minimum in End Semester Examination marks -- 50%

b. Individual minimum in Internal Assessment marks -- 40%

c. Passing minimum – 45% (End Semester Examination marks and Internal Assessment marks taken together)

17.2 **Practical courses and Project Work:**

For practical courses and project work a student shall obtain a minimum of 50 % in the internal assessment and End semester examinations to secure a pass**.**

a. Individual minimum in End semester Examination marks -- 50%

b. Individual minimum in Internal Assessment marks -- 50%

c. Passing minimum – 50% (End Semester Evaluation and Internal Assessment marks put together)

17.3 After the valuation of the answer scripts, the tabulated results will be scrutinized by the Result Passing Boards of the UG programmes constituted by the Vice-Chancellor. The recommendations of the Result Passing Boards will be placed before the Standing Sub Committee of the Academic Council for scrutiny. The minutes of the Standing Sub Committee along with the results will be placed before the Vice-Chancellor for approval. After getting the approval of the Vice-Chancellor, the results will be published by the Controller of Examination/Registrar. The results will be placed before the Academic Council and Board of Management for information.

17.4 If a candidate fails to secure a pass in a course due to *not satisfying the minimum requirement in the end semester examination (U GRADE) he/she shall re-appear for the end semester examination during the following semester.* He/she need not attend the contact course. However, the Internal Assessment marks secured by the candidate will be retained for all such attempts.

17.5 A candidate can apply for the revaluation of his/her end semester examination answer paper in a theory course within 2 weeks from the declaration of the results, on payment of a prescribed fee by submitting prescribed application to the Controller of Examinations through the Head of the Department/ Registrar. The Controller of Examination will arrange for the revaluation and the results will be intimated to the candidate concerned through the Head of the Department.

17.6 Revaluation is not permitted for practical courses and project work. However, only for genuine grievances as decided by the Exam Grievance Committee as student may be permitted to apply for revaluation only for Project work. An internal committee will be constituted to re – evaluate the Project work, as per the University norms for conduct of Project and Viva.

17.7 After ten semesters, the internal assessment marks obtained by the candidate will not be considered in calculating the passing requirement. A candidate who secures 50% in the end semester examination will be declared to have passed the course and earned the specified credits for the course irrespective of the score in internal assessment marks for the course.

17.8 Candidate who earn required credits for award of degree after 10 semesters for B.Tech / 12 semesters for B.Arch (on expiry of extended period of 2 semesters over and above normal duration of course) he/she will be awarded only *second class* irrespective of his/her CGPA. However, the period approved under Temporary withdrawal, if any, from the programme (Clause 12.0) will be excluded from the maximum duration as mentioned above.

17.9 **Semester Abroad Programme :** Students who are allowed to undergo internship or training in Industries in India or abroad during their course work or attend any National / International University under semester abroad programme (SAP) up to a maximum of 2 semesters, they will be granted credit equivalence for the course work/project work done by them in the industry /foreign University as per the recommendations of the credit transfer committee.

18.0 **Course Repetition**

18.1 a. A student who is detained in a semester for want of attendance shall register for all the core courses (CF/PC/PE) and shall repeat the courses compulsorily when the course is offered in the subsequent semester(s) along with the regular students. *The student has to pay the prescribed fee for the course repetition.*

b. A student securing a U or RI grade in an elective course (EE/OE) may repeat the same course if he/she so desires to get a successful grade. He/ She can also opt for another equivalent EE/OE if he/she so desires. In such case, he /she have to attend the course work and undergo all assessment procedures in the subsequent semester for gaining the required credits. The student has to pay the prescribed fee for the change of elective course.

18.2 **No student shall register for more than three RI courses up to VI semester and five RI courses in VII semester. However, this restriction does not apply for VIII semester, subject to the availability / offering the course by the department.**

18.3 **The assessment procedure for the RI courses will be similar to the regular courses in a semester.**

A course successfully completed cannot be repeated.

19.0 Grade Sheet

19.1 Letter grade

Based on the performance, each student is awarded a final letter grade at the end of the semester in each course. The letter grades and corresponding grade points are as **6.1.**

19.2 A student is considered to have completed a course successfully and earned credits if he/she secures a letter grade other than **U or RI** in that course. A letter grade **U implies failure in the course. RI** in any course implies incompletion of that course.

19.3 After results are declared, grade sheet will be issued to each student which will contain the following details:

(i) Program and discipline for which the student has enrolled.
(ii) Semester of registration.

(iii) The course code, name of the course, category of course and the credits for each course registered in that semester

(iv) The letter grade obtained in each course

(v) Semester Grade Point Average (GPA)

(vi) The total number of credits earned by the student up to the end of that semester in each of the course categories.

(vii) The Cumulative Grade Point Average (CGPA) of all the courses taken from the first semester.

(viii) Credits earned under non CGPA courses.

20. Class/Division

20.1 Classification is based on CGPA and is as follows:

CGPA ≥ 8.0 :**First Class with distinction**

6.5 ≤ CGPA <8.0 : **First Class**

5.0 ≤ CGPA <6.5 :**Second Class.**

20.2(i) Further, the award of 'First class with distinction' is subject to the candidate becoming eligible for the award of the degree having passed the examination in all the courses in his/her first appearance with effect from II semester, within the minimum duration of the programme.

(ii) The award of 'First Class' is further subject to the candidate becoming eligible for the award of the degree having passed the examination in all the courses **within 10 semesters for B.Tech programmes (see 17.7) and 12 semesters for B.Arch Programme.**

(iii) The period of authorized discontinuation of the programme (vide clause 12.0) will not be counted for the purpose of the above classification.

21.0 Transfer of credits

21.1. Within the broad framework of these regulations, the Academic Council, based on the recommendation of the transfer of Credit Transfer Committee so constituted may permit students to earn part of the credit requirement in other approved Universities of repute & status in the India or abroad. (Refer clause 17.8)

21.2 The Academic Council may also approve admission of students who have completed a portion of course work in another approved University of repute under lateral entry based on the recommendation of the credit transfer committee on a case to case basis.

21.3 Admission norms for working Professional:

Separate admission guidelines are available for working / experienced professionals for candidates with the industrial / research experience who desire to upgrade their qualification as per recommendation of Credit Transfer Committee and the approval of Academic council.

22.0 Eligibility for Award of the B.Tech. / B. Arch Degree

22.1 A student shall be declared to be eligible for award of the B.Tech /B.Arch degree if he/she has

    (i)   Registered and successfully completed all the core courses and projects;

    (ii)   Successfully acquired the minimum prescribed credits as per clause 3.9 within the stipulated time;

    (iii)   Earned the specified credits in all the categories of subjects as specified in the curriculum corresponding to the branch of his/ her study ;

    (iv)   No dues to the University, Hostels, Libraries etc.; and

    (v)   No disciplinary action is pending against him / her.

The award of the degree shall be recommended by the Academic Council and approved by the Board of Management of the University.

23.0 Change of Branch

23.1 If the number of students in any branch of B.Tech. class as on the last instructional day of the First Semester is less than the sanctioned strength, then the vacancies in the said branches can be filled by transferring students from other branches subject to eligibility. All such transfers will be allowed on the basis of merit of the students. The decision of the Vice-Chancellor shall be final while considering such requests.

23.2 All students who have successfully completed the first semester of the course will be eligible for consideration for change of branch subject to the availability of vacancies and as per norms.

24.0   Power to modify

Notwithstanding all that has been stated above, the Academic Council   is vested with powers to modify any or all of the above regulations from time to time, if required, subject to the approval by the Board of Management.