



**DEENBANDHU CHHOTU RAM UNIVERSITY OF SCIENCE & TECHNOLOGY, MURTHAL
SONEPAT**

**SCHEME OF STUDIES & EXAMINATIONS
B.Tech in CIVIL ENGINEERING 7th Semester
Tentative Choice Based Credit Scheme w.e.f. 2021-22**

S. No.	Course No.	Course Title	Teaching Schedule			Marks of Class work	Examination Marks		Total	Credit	Duration of Exam
			L	T	P		Theory	Practical			
1		OE-I	3	-		25	75	-	100	3	3
2		OE-II	3	-	-	25	75	-	100	3	3
3	CE 401C	PROJECT	-	-	12	75	-	225	300	6	3
4	CE 403C	COLLOQUIUM	-	-	2*	50			50	1	-
5	CE 405C	PROFESSIONAL TRAINING	-	-	2*	50	-	-	50	1	-
Total			6	0	16	225	150	225	600	14	
OR											
1	CE 407C	Internship	-	-	-	250		350	600	14	3
TOTAL						250		350	600	14	3

Code	OPEN ELECTIVE I
1 HUM-402C	SOFT SKILLS AND INTER PERSONAL COMMUNICATION
2 HUM-405C	INTRODUCTION TO FRENCH LANGUAGUE
3. HUM – 406C	INTRODUCTION TO GERMAN LANGUAGE
4 MGT-401 C	HUMAN RESOURCES MANAGEMENT
5. MGT 402C	HUMAN VALUES, ETHICS AND IPR
	OPEN ELECTIVE II
1 CSE 451C	CYBER SECURITY
2. CSE 201C	COMPUTER NETWROK
3. CH-	INDUSTRIAL SAFETY
4. CE 406C	DISASTER MANAGEMENT
5 ECE327C	CONSUMER ELECTRONICS
	OPEN ELECTIVE III
1 CSE 409C	ARTIFICIAL INTELLIGENCE
2. EE	ELECTRICAL AND HYBRID VEHICLES
3. MGT 404C	ENTREPRENURSHIP
4 EE	SMART GRID
5 CH	NANO SCIENCE AND NANO TECHNOLOGY



CE 401C :PROJECT

B. Tech. Semester – VII (Civil Engineering)

L	T	P	Credits	Class Work	: 75 Marks
--	--	12	6	Examination	: 225 Marks
				Total	100Marks

The primary objective of this course is to develop in students the professional quality of synthesis employing technical knowledge obtained in the field of Engineering & Technology through a project work involving design, analysis augmented with creativity, innovation and ingenuity.

Project involving design/ fabrication/ testing/ computer simulation/ case studies etc. will be evaluated through a panel of examiners consisting of the following:

Chairman of Department	: Chairperson
Project coordinator	: Member Secretary
Respective project supervisor	: Member

The student will be required to submit two copies of his/her project report to the department for record (one copy each for the department and participating teacher).

Project coordinator will be assigned the project load of maximum of 2 hrs. per week including his own guiding load of one hr. However, the guiding teacher will be assigned maximum of one period of teaching load irrespective of number of students/groups under him/her.

The format of the cover page and the organization of the body of the report for all the B.Tech.will be finalized and circulated by the Dean, Faculty of Engineering and Technology.



CE 403C : COLLOQUIUM
B. Tech. 4th Year (Semester -VII)

L	T	P	Credits	Class Work	: 50Marks
-	-	2	1	Total	: 50 Marks

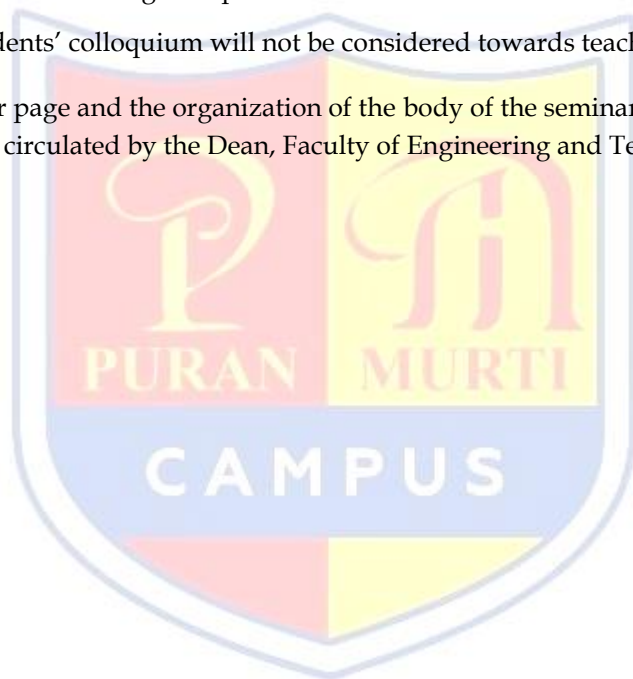
Course Outcomes: This course will enable a student to develop presentation skills in him/her

A student will select a topic in emerging areas of Engineering & Technology and will carry out the task under the observation of a teacher assigned by the department.

He/ She will give a seminar talk on the same before a committee constituted by the chairperson the department. The committee should comprise of three faculty members from different specializations. The teacher associated in the committee will be assigned 2 hours teaching load per week.

However, guiding students' colloquium will not be considered towards teaching load.

The format of the cover page and the organization of the body of the seminar report for all the undergraduate programs will be finalized and circulated by the Dean, Faculty of Engineering and Technology.





CE405C PROFESSIONAL TRAINING

B. Tech. Semester - VII (Civil Engineering)

L	T	P	Credits	Class Work	: 50 Marks
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At the end of 6th semester each student would undergo four weeks Professional Training in an Industry/ Institute/ Professional Organization/ Research Laboratory etc. with the prior approval of the Training and Placement Officer of the University and submit in the department a typed report along with a certificate from the organization.

The typed report should be in a prescribed format.

The report will be evaluated in the V Semester by a Committee consisting of three teachers from different specialization to be constituted by the Chairperson of the department. The basis of evaluation will primarily be the knowledge and exposure of the student towards different processes and the functioning of the organization.

The student will interact with the committee through presentation to demonstrate his/her learning.

Teachers associated with evaluation work will be assigned 2 periods per week load.





CE 407C: INTERNSHIP

L	P	Credits	Class Work	: 300 Marks
-	-	14	Examination	: 300 Marks
			Total	: 600 Marks
			Duration of Examination	: 3 Hours

INTERNSHIP GUIDELINES:

1. A student may opt for one semester (minimum 16 weeks) industrial training-cum-Project of 7th semester in lieu of subjects of 7th Semester. A student can arrange the internship at his/her own and arranging internship for a student by the Department is never his/her right.
2. The candidate should submit a synopsis of the proposed work to be done during Internship programme/Industrial project. This synopsis should be submitted to the Department before the start of the internship semester. The synopsis received will be examined/evaluated by the Departmental committee. The student will be allowed for internship only after approval of synopsis by the Departmental committee.
3. Intimation of commencement of internship shall be submitted to the Chairperson concerned before the commencement of the ongoing semester.
4. Students will be allowed only for the internship sponsored by Govt/public sector organizations. They will have to further deposit the fee/due of the University during six semester internship. The internship will be allowed within India only. However, the students in reputed private companies will be given consent after due consideration in the Department.
5. If a student feels that the internship work is not of high quality/not-related to their field of interest, then he/she should submit the application to the Department within two weeks and can re-join the institute.
6. The Industrial project work done during 6-month internship program is equivalent to one semester of their B.Tech. Two guides will supervise the internship project work, one from the Department and another one from industry.
7. Students will have to submit a detailed project report and daily diary after completing the internship which will be University property.
8. Industry/Educational Organization must submit the month-wise satisfactory attendance of the students to the Department.
9. Candidate should visit the institute in the specified dates of mid-term evaluation to present his/her project progress report to their respective guide(s)/Departmental committee.
10. Industry/ Institute should allow the student to produce results obtained during project/ internship period in the project report. The written certificate to this effect from the industry/ institute is mandatory before consideration of the proposed project/internship.
11. The final project presentation will be evaluated by institute guide/departmental committee on the basis of the recommendation given by outside supervisor.
12. If the internship project is not found to be of high quality, the student will have to reappear in the next session.

INTERNSHIP REPORT

After completion of Internship, the student should prepare a comprehensive report to indicate what he/She has observed and learnt in the training period. The student may contact Industrial Supervisor/ Faculty Mentor for assigning special topics and problems and should prepare the final report on the assigned topics. Daily diary will also help to a great extent in writing the industrial report since much of the information has already been incorporated by the student into the daily diary. The training report should be signed by the Internship Supervisor and Faculty Mentor. The Internship report will be evaluated on the basis of following criteria: i. Originality. ii. Adequacy and purposeful write-up. iii. Organization, format,



drawings, sketches, style, language etc. iv. Variety and relevance of learning experience. v. Practical applications, relationships with basic theory and concepts taught in the course.

The evaluation of Internship will be done by following departmental committee:

- | | |
|---|--------------------|
| 1. Chairperson / Head of Department/Nominee | :Chairperson |
| 2. Internship Coordinator/Senior Faculty | : Member-Secretary |
| 3. Faculty mentor | :Member(s) |
| 4. External expert/Industrial Expert | |

MONITORING & EVALUATION OF INTERNSHIP

The industrial training of the students will be evaluated in three stages:

1. Evaluation by Industry. 100
2. Evaluation by faculty supervisor on the basis of site visit(s): 150
3. Mid term evaluation: 150
4. Evaluation through seminar presentation/viva-voce at the Institute. 200

1. EVALUATION BY INDUSTRY: The industry will evaluate the students based on the Punctuality, eagerness to learn, Maintenance of Daily Diary and skill test in addition to any remarks.

2. MONITORING/ SURPRISE VISIT BY FACULTY MENTOR: Faculty Mentor of the institutes will make a surprise visit to the internship site, to check the student's presence physically, if the student is found absent without prior intimation, entire training will be cancelled. Students should inform the faculty mentor as well as the industry supervisor at least one day prior to availing leave by email. Students are eligible to avail 1-day leave/month.

3. EVALUATION THROUGH SEMINAR PRESENTATION/VIVA-VOCE AT THE INSTITUTE:

The student will give a seminar based on his training report, before a committee including external expert.

The evaluation will be based on the following criteria: • Quality of content presented. • Proper planning for presentation. • Effectiveness of presentation. • Depth of knowledge and skills. • Attendance record, daily diary.

Seminar presentation will enable sharing knowledge and experience amongst students and build communication skills and confidence in students.

Internship coordinator will be assigned the load of maximum of 2 hrs. per week. However, the guiding/supervising teacher will also be assigned one period of teaching load if the numbers of students are 4. If number of students exceeds 4, the load assigned will be 2.