

Rashtrasant Tukadoji Maharaj Nagpur University

Faculty of Science & Technology

Syllabus for

Eighth Semester B.Tech. Chemical Technology

Subject: CT-CS-801P (BCHT)**Industry Internship / Project**

Practical : 6 Hours

No. of Credits : 9

University : 100 Marks

College Assessment : 100 Marks

Course Objectives:

- To integrate the knowledge of engineering programme.
- To develop the skills to identify the problem and define the problem statement.
- To inculcate scientific attitude for stepwise solutions to the problems.
- To develop attitude to work in team with ethics and suitable awareness and act as leader for project execution.

Course Outcomes:

After completion of the course, students will be able to:

CO1: Identify a suitable topic/problem of relevance and perform the literature survey.

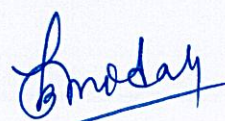
CO2: Analyze the selected topic/problem and apply the core engineering knowledge to solve the problem.

CO3: Apply ethical principles and social responsibility in execution of individual/team work.

CO4: Prepare a formatted report and present a work using modern presentation software.

(A) INTERNSHIP: -

Students shall undergo training in R&D institutions / Academics / Industries for the period of entire semester. At the end of internship students must submit Three copies of report duly certified and signed by Supervisor in industry/institute/research centre for internal evaluation to Head of the Department. Report shall comprise profile of industry / institute, plant layout and location, processes and products information, environmental considerations and safety etc. as applicable.



OR

(B) PROJECT WORK: -

The project work shall consist of dissertation / experimentation, simulation, fabrication, testing of equipment; process designing in depth; review of certain research work; compilation and analysis of certain engineering/management activities, phenomenon, designing, drawing and prototype modelling of certain equipment, instrument and testing thereof, etc. on any topic of relevance. The project work shall be carried out individually by a student or by a team comprising of maximum two students.

Instead of departmental project, students can undertake the industry defined problem through industrial/consultancy project work, in consultation with faculty and/or head of department, in department/industries/research labs etc.

Each student is required to submit three copies of report to Head of the Department on the project assigned. The report shall comprise chapters like aims and objective, introduction, materials and methods, experimental work, results and discussion, conclusion, references and should be based on the information available in the literature or data obtained in the laboratory/industry. Students will also be required to make an oral presentation using modern presentation software.

Written report shall adhere to the prescribed format provided by department.

Reading

1. Handbooks and reports
 2. Journals and magazines
 3. Research publications
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