CVM UNIVERSITY
Aegis: Charutar Vidya Mandal (Estd.1945)

FACULTY OF ENGINEERING & TECHNOLOGY

Effective from Academic Batch: 2020-21

Programme: **Bachelor of Engineering (Information Technology)**

Semester: **VIII**

Course Code: **102000801**

Course Title: **Industrial Internship**

Course Group: **Internship**

Course Objectives: Industrial internship is defined as academic internship/industrial training as a structured, and supervised professional work experience within an industry/ Research & Development Organization/research laboratory and reputed academic institution. The internship is guided by learning goals and reflective assignments. It is jointly supervised by a faculty member and professionally by an industry professional. Industrial training provides the impetus for students to comprehend and appreciate real-life working experiences. Students may realize their ambition and ascertain their career path from the experience gained during industrial training. Such attachment provides students the opportunity to meet and network with people in the industry, and the industry also gets an opportunity to identify talents and potential skilled workers. Students may also get the opportunity to specialize in niche areas.

Teaching & Examination Scheme:

Contact hours per week			Course Credits	Examination Marks (Maximum / Passing)				
				Theory		J/V/P*		Total
Lecture	Tutorial	Practical		Internal	External	Internal	External	
0	0	32	16	NA	NA	120/42	180/63	300/105

* **J**: Jury; **V**: Viva; **P**: Practical

Content:

- During 8th semester every student will have to undergo industrial internship or undertake a Project work.
- The department will identify and decide whether the student will undergo Industrial Internship or do Project work preferably at the end of 7th semester.

Guidelines for Industrial Internship:

The following guidelines are required to be followed for industrial internship.

- The industrial internship would be assigned to the students with the approval of head of the respective department and placement coordinator.
- The total duration of the in-plant training would be for a period equal to the 16 calendar weeks. The duration will be divided into 2 phases of equal duration (8 weeks / phase) if deemed necessary.
- A student can complete entire 16 weeks duration in a single organization or can take in two different organizations for each of the phase.
- In-plant training can be in a company (within state or outside) that is involved in R&D/process design/manufacturing/software/(QA/QC/plantengineering/production/consultancy/technical services/engineering product).
- The internship shall be a full time for the entire duration.
- Each student must be assigned a faculty-mentor from the parent department and an Industry Expert as External Guide or Industry Mentor, if necessary.
- A plan for the whole internship duration shall be prepared after joining the industry in consultation with industry and institute mentors. It shall contain the activities/ visits to different sections etc. with appropriate timelines.
- A student should submit a brief proposal about the work to be carried out during the Internship to a department committee formed by head of department within 2 weeks, after starting the internship.
- The students should record day to day observations, impressions, information gathered and suggestions given, if any in daily/weekly dairy. It should contain related sketches and drawings and other relevant observations made by students. A detailed daily diary is to be maintained mandatorily by student. It shall be signed duly by the concerned supervisor of industry. It shall be submitted to the department forv evaluation and monitoring..
- A comprehensive report is required to be prepared and submit to the department at the end of semester. A certificate shall be attached with this report duly signed by the competent authority of industry for successful completion of internship. An attendance report shall also be attached with this report.
- During Internship, if a student is absent due to bad weather or illness, then he/she must inform over Email to the Industry Mentor while keeping informed the Faculty Mentor in CC. Absence

from Internship continuously for a duration not exceeding 3-days, will require the approval of the Faculty Mentor. In such cases, the Faculty Mentor will approve your leave over Email by keeping the Industry Mentor in CC.

- Faculty Mentor may make surprise visits (or calls) to Industry Mentor following proper channel; if a student is not performing well or not sincere in his/her work, suitable action will be taken by the department.

INTERNAL (CONTINUOUS) EVALUATION

- Continuous evaluation of the progress of internship shall be carried out **thrice in a semester** in presence of respective departmental committee formed by the head of the department including the faculty mentor as per following:
  - (i) The internal evaluation/scrutiny shall be done in respective parent departments of student at the start of semester (**within 02 weeks of the start of semester**) (Preferably oral presentation stating the planning of the internship, preliminary report on visit to different section(s)/unit(s) of the industry/organization and time-line of work or road map).
  - (ii) At the mid of the semester (**after about 8-9 weeks**) (progress evaluation in the form of poster/ oral presentation).
  - (iii) At the end of the semester (**before term ending**) final presentation/demonstration in the form of oral presentation. The distribution of internal marks/ rubrics shall be decided by the committee.
- An attendance report shall be sent to the department after every four weeks by the student.
- The internship report shall be submitted to the institute which should include the objective of training, about the industry, process, product line, equipment/machineries involved, divisions/sections in the industry, any competitor, scope of some improvement in the process/product/efficiency, benefit by the training etc.
- The industry supervisor may be invited at the time of final end-semester evaluation of the internship.
- Any violation of Code of Conduct during the Internship program will be liable to disciplinary action from the Institute.

- Each student has to produce an undertaking on code of conduct, duly signed by the concerned student and one of his parents prior to joining the industry for internship. The undertaking format will be made available in the department.

Suggested Specification table with Marks (Theory) (Revised Bloom's Taxonomy):

Distribution of Theory Marks in %						**R**: Remembering; **U**: Understanding; **A**: Applying; **N**: Analyzing; **E**: Evaluating; **C**: Creating
R	**U**	**A**	**N**	**E**	**C**	
5%	10%	30%	25%	15%	15%	

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

Course Outcomes (CO):

Sr.	Course Outcome Statements	%weightage
CO-1	To apply acquired knowledge in problem based exercises in real life industrial projects.	**20**
CO-2	To acquire practical skills and experience working on projects alongside industry experts.	**20**
CO-3	To acquire interpersonal skills and ability for team work through interaction with professionals in their field of study.	**15**
CO-4	To communicate & report the industrial practices through technical presentations.	**15**
CO-5	To understand the essence and need of industrial ethics.	**15**
CO-6	To recognize the changes in the industrial practices due to technological changes and engage in lifelong learning.	**15**

Curriculum Revision:	
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Drafted on (Month-Year):	June-2020
Last Reviewed on (Month-Year):	-
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