FACULTY OF ENGINEERING & TECHNOLOGY

Effective from Academic Batch: 2022-23

Programme: BACHELOR OF TECHNOLOGY (Electronics and Communication)

Semester: VIII

Course Code: 202000801

Course Title: Industrial Internship

Course Group: Project (UDP/IDP)

Course Objectives: To enhance employability skills of the students Industrial Internship work is required. It provides practical experience in the field of Electrical Engineering and helps to reinforce theoretical knowledge gained in different courses to solve real life challenges. The students are given exposure to explore the new developments and techniques, which can lead them to self-employment or even employment generation through extension of the work done in the project.

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	0	16	0 / 0	0 / 0	150/52	150/53	300/105

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

Content:

Final semester of Electrical Engineering is dedicated to Major project work. Students can also undergo industrial internship for at least 12 weeks.

Guidelines for Industrial Internship:

1. It shall be of minimum duration of 12 week.
2. A student may submit a brief proposal about the work to be carried out during the industrial internship to a committee formed by the head of department within 3 weeks, after starting the internship.
3. The industrial internship shall be a full time for the whole duration.
4. A detailed daily diary is supposed to be maintained by students. It shall be signed duly by the concerned supervisor of industry. It shall be submitted to the department.

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5. A comprehensive report is required to be prepared and submitted to the department at the end of the semester. A certificate shall be attached with this report duly signed by the competent authority of the industry for the successful completion of the internship. An attendance report shall also be attached with this report.
6. The internal evaluation shall be done at the start of the semester, at the mid of the semester and at the end of the semester. The internal marks shall be divided as decided by the head.
7. An attendance report shall be sent to the department after every four weeks.
8. A plan for the whole industrial internship duration shall be prepared after joining the industry after consultation with the supervisor/mentor/guide of industry. It shall contain the activities/ visits to different sections etc with appropriate timelines.
9. The project report shall be submitted to the institute which may 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.
10. The industry supervisor may be invited at the time of external examination of the industrial internship, if possible. It can be an online presence.
11. The evaluation by an external examiner shall be made considering all guidelines.

Course Outcomes (CO):

Sr. No.	Course Outcome Statements	% weightage
CO-1	Demonstrate a sound technical knowledge of their selected project topic	**20**
CO-2	Undertake problem identification, formulation and solution	**20**
CO-3	Design engineering solutions to complex problems utilizing a systems approach and team work	**30**
CO-4	Communicate with engineers and the community at large in written and oral forms	**20**
CO-5	Demonstrate the knowledge and understanding of engineering and management principle and apply it to assigned project	**10**

Supplementary learning Material:	
1	AICTE Model curriculum
2	AICTE Internship Policy:
3	https://www.aicte-india.org/sites/default/files/AICTE%20Internship%20Policy.pdf

Pedagogy:

- Audio Visual presentations/demonstrations
- Continuous assessment
- Seminar/Poster Presentation
- Industrial/ Field visits

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- Course Projects

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**	**30**	**10**	**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.

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Curriculum Revision:	
Version:	**2**
Drafted on (Month-Year):	June -2022
Last Reviewed on (Month-Year):	-
Next Review on (Month-Year):	June-2025

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