Course Code	Course Title	L	T	P	C
BITE499J	One Semester Internship	0	0	0	14
Pre-requisite	Nil	Syllabus version			
		1.0			

Course Objectives

To provide sufficient hands-on learning experience related to the design, development and analysis of suitable product / process so as to enhance the technical skill sets in the chosen field.

Course Outcomes

1. Formulate specific problem statements for well-defined problems with reasonable assumptions and constraints.
2. Perform literature search and / or patent search in the area of interest.
3. Conduct experiments / Design and Analysis / solution iterations and document the results.
4. Perform error analysis / benchmarking / costing.
5. Synthesize the results and arrive at scientific conclusions / products / solution.
6. Document the results in the form of technical report / publication / patent

Module Content **(Project Duration: 9 months)**

This is a capacity-linked opportunity during which the students are expected to take up research work for a period of 9 months duration. Students who meet all their course and credit requirements as specified in their curriculum may have a lighter credit load when they reach their 7th semester. Such students, still maintaining a CGPA of 9.00 and above, may opt to work on an existing research project available in the University related to their programme in lieu of their Student Project (3 credits Project—I and 5 credits Project—II / Internship).

The research work should be carried out for a minimum period of 9 months and be adequate in originality. This research-oriented project work is expected to result in a journal publication (Scopus indexed) or product development or filing of a patent. A separate evaluation committee will evaluate such Student Projects constituted for the purpose.

Considering the quantity and quality of work put in by the student, the committee may recommend the award of One Semester Internship (14 credits) with an ‘S’ grade. The concerned faculty members offering the project may make financial support, if any, available through their research funds for One Semester Internship, subject to the availability and provision of the work carried out.

The advantage to the student will be that his/her CGPA will improve, given that fourteen credits are awarded with an ‘S’ grade. Prior manual registration with the approval of the Dean of the Programme School is necessary.

One Semester Internship will be treated as an individual student project. Any interested student with a CGPA of ≥ 9.00 may get approval from the respective School Dean and proceed to work on this project. If the Committee is not satisfied with the student's research project work, then the project shall be graded like any other regular B.Tech. Student Project work for 8 credits (3

credits for Project – I and 5 credits for Project – II), and a suitable performance grade may be awarded. In such a situation, no entry will be made in the Grade Sheet about One Semester Internship (14 credits), and it will be presumed that the Registration made for One Semester Internship will be cancelled.
Mode of Evaluation: Both Outcome and Review based assessment on the project - project report to be submitted, presentation and project reviews.