DSN3099	Engineering Project in Community Service	Couse Type	PJ
Pre-requisite	To be registered during 5th Semester of Study	Credits	2

Course Objectives:

- To help students to identify the use of technology for societal needs
- To train students in developing the prototype / product
- To analyze and validate the developed prototype / product

Expected Course Outcome:

Students will be able to

- Identify the societal needs
- Apply the relevant technology to develop the prototype / product in line with the social responsibility and ethics.

Student Learning Outcomes (SLO):	c, f, h

Phase I (During 5th Semester of study)

- Students are required to identify real life problems and work in teams.
- The problem chosen will be relevant to the societal needs and students will undergo field visits (within 100 Km) under the guidance of the faculty for identifying the community requirements to improve the quality of living of the community at large.
- 6 - 10 students can form a team. It is mandatory that the composition of the team is multidisciplinary in nature and therefore each group will consist of students from other disciplines.
- After identifying and defining the problem, the time plan of activities and methodology will be framed using relevant scientific methods.
- Minimum of six hours per week will be spent on self-managed team activities with relevant records maintained by each team.
- Completion of minimum 40% of proposed work

Mode of Evaluation (Evaluation by Multi-disciplinary Panel of Examiners):

Phase-I:

- Review-0 - Problem Identification (Before the end of 15 working days of Semester V): 5%
- Progress Review-1 –Before the FAT Examination: 20%
- Phase I Report: 10%

Phase II (During 6th Semester of study)

- The solution can be based on fabrication /coding / modelling / product design /process design / other relevant processes for real-life problem.
- The outcome of the project will be evaluated in terms of technical, economical, societal, environmental, political and demographic feasibility and implementation.
- It is mandatory to prepare an e-document, uploaded along with plagiarism check report. Each member of the team will prepare his/her own report highlighting the contribution majorly with brief abstract of the total work in the initial part of the document. No two reports will be the same. The review will be based on the individual contribution.

Mode of Evaluation (Evaluation by Multi-disciplinary Panel of Examiners): Phase-II: • Progress Review-II – During the week after CAT I - 20% • Final Review-III: 25% • Final Report (Highlighting individual contribution): 20% **Course will have No FAT**.	
Recommendation by the Board of Studies on:	**14-07-2018**
Approval by Academic council on:	**18-07-2018**
Compiled by:	**Dr. Kanchana Bhaskaran V. S.**