Course Description

7th Semester:

Title: Major Project Part – I Code: 18B19CI791

L-T-P scheme: 0-**0-8** **Credit: 04**

Prerequisite: Students must have knowledge about software development.

Objective:

1. To apply engineering knowledge in practical problem solving
2. To foster innovation in design of products, processes or systems
3. To develop creative thinking in finding viable solutions to engineering problems.

Learning Outcomes:

Course Outcome	Description
CO1	Summarize the contemporary literature and explore tools for hands-on in the respective project area
CO2	List out the specific requirements to develop the workable solution for the identified computing problem.
CO3	Develop a working model for the identified problem
CO4	Inspect the developed solution using exhaustive test cases and evaluate its performance using statistical methods and relevant metrics
CO5	Compile the results and findings of the project in written and verbal formats
CO6	Report the results and findings of the project in written and verbal formats.

Course Content:

Project based learning: Each student in a group of 2-3 will have to develop a Major Project based on different real-world problems using any open-source programming language. Students have to study the state-of-the-art methods before finalizing the objectives. Project development will enhance the knowledge and employability of the students in IT sector.

Teaching Methodology:

- Regular supervision by project guide

Evaluation Scheme:

Exams	Marks	Coverage
Mid Semester Viva	20 Marks	Based on Unit-1, Unit-2, Unit-3
Final Viva	30 Marks	Based on Unit-4,Unit-5,Unit-6 and Unit-7
Project Report	20 Marks	
Day to Day Work	30 Marks	

Total	**100 Marks**	

Text Book/Reference material:

- Seven latest international journal papers having high impact factor. MOOC Courses from Coursera, NPTEL etc.

Journals References:

[1] ieee.org
[2] dl.acm.org
[3] Elsevier
[4] Springer