

<u>PROGRAM OUTCOMES (PO)</u>	<u>STATEMENTS</u>
PO1	Engineering Knowledge: To apply knowledge of mathematics, science, engineering fundamentals, problem solving skills, algorithmic analysis to solve complex engineering problems.
PO2	Problem analysis: To analyze the problem by finding its domain and applying domain specific skills.
PO3	Design/development of solutions: To understand the design issues of the product/software and develop effective solutions with appropriate consideration of public health and safety, cultural, societal, and environmental issues.
PO4	Conduct investigations of complex problems: To find solutions of complex problems by conducting investigations applying suitable techniques.
PO5	Modern tool usage: To adapt the usage of modern tools and recent software.
PO6	The engineer and society: To contribute towards the society by understanding the impact of Engineering on global aspect.
PO7	Environment and sustainability: To understand environment issues and design a sustainable system.
PO8	Ethics: To understand and follow professional ethics.
PO9	Individual and team work: To function effectively as an individual and as member or leader in diverse teams and interdisciplinary settings.
PO10	Communication: To demonstrate effective communication at various levels.
PO11	Project Management and finance: To apply the knowledge of Computer Engineering for development of projects, and its finance and management.
PO12	Life-Long Learning: To keep in touch with current technologies and inculcate the practices of lifelong learning.

Final Year of Computer Engineering (2012 Course)

410441 Design and Analysis of Algorithms

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To survey algorithmic strategies give presentations using open source documentation tools like Latex and soft skill methodologies.
CO2	To write mathematical modeling of algorithms for problem solving.
CO3	To develop SRS in the UG projects.
CO4	To solve problems for multi-core or distributed or concurrent/Parallel/Embedded environments.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓						✓	✓		✓	✓
CO 2	✓	✓		✓	✓	✓		✓	✓		✓	✓
CO 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO 4	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

410445B Elective-II: Pervasive Computing

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To present a survey on pervasive computing building blocks.
CO2	To create presentations using pervasive computing techniques and devices.
CO3	To solve problems for multi-core or distributed, concurrent/Parallel environments.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
CO 2	✓	✓			✓			✓	✓		✓	✓
CO 3	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

410445D Elective-II: Multidisciplinary NLP

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To present a survey on NLP and Machine learning paradigms.
CO2	To write programs using NLP open source tools.
CO3	To create presentation for applying NLP for multi-core or distributed, concurrent/Parallel environments.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓			✓			✓	✓	✓	✓	✓
CO 2	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
CO 3	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

410447 Computer Laboratory-II

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To write mathematical modeling for problem solving.
CO2	To write programs for smart devices using FOSS Tools.
CO3	To write Programs for gamifications.
CO4	To write test cases to solve problems for pervasiveness embedded security and NLP applications.
CO5	To write test cases for multi-core or distributed, concurrent/Parallel environments.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
CO 2	✓	✓	✓	✓	✓			✓	✓		✓	✓
CO 3	✓	✓	✓	✓	✓			✓	✓		✓	✓
CO 4	✓	✓	✓	✓	✓			✓	✓		✓	✓
CO 5	✓	✓		✓	✓			✓	✓	✓	✓	✓

410448 Project

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To write problem solutions in projects using mathematical modeling, using FOSS programming tools and devices or commercial tools.
CO2	To write SRS and other software engineering documents in the project report using mathematical models developed and NP-Hard analysis.
CO3	To write test cases using multi-core, distributed, embedded, concurrent/Parallel environments.
CO4	To write a conference paper.
CO5	To practice presentation, communication and team-work skills.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
CO 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO 4	✓			✓	✓			✓	✓		✓	✓
CO 5	✓			✓	✓			✓	✓		✓	✓

410449 Software Design Methodologies and Testing

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To present a survey on design techniques for software system.
CO2	To present a design and model using UML for a given software system.
CO3	To present a design of test cases and implement automated testing for client server, Distributed, mobile application

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓			✓				✓		✓	✓
CO 2	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
CO 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

410450 High Performance Computing

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To transform algorithms in the computational area to efficient

410451A Elective-III: Mobile Computing

COURSE OUTCOMES (CO)	STATEMENTS
CO1	To write a survey on Mobile Computing Building Blocks.
CO2	To write a presentation on survey FOSS tools and Technologies.
CO3	To write test cases to solve problems using Mobile Computing algorithms.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO 1	✓	✓			✓			✓	✓	✓	✓	✓
CO 2	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
CO 3	✓	✓	✓	✓	✓			✓	✓		✓	✓

