BECME804T(ii) : EXPERT SYSTEM DESIGN
(Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BECME804T(ii).1	***Define*** Expert system & AI, Expert System characteristics, Expert System Structure.	1	1
BECME804T(ii).2	***Make use of*** Logic and Resolution to ***apply*** propositional logic, first order predicate logic, causal logic form of logic, inference rules and Resolution strategies.	3	2
BECME804T(ii).3	***Explain*** Production Rules and Inference. ***Apply*** Knowledge representation in a production system, Inference in a production system.	1,3	1,2
BECME804T(ii).4	***Define*** Frames and Inheritance. Also able to ***construct*** Semantic nets, Frames and inheritance.	1,3	1,2
BECME804T(ii).5	***Explain*** Reasoning with Uncertainty and different Reasoning with Uncertainty methods and models.	1	1
BECME804T(ii).6	***Explain*** basic concept of neural network.	1	1

Name and Sign of Course Teacher

BECME802T: Distributed system & Grid computing

(Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	POs
CO1	To develop and apply knowledge of distributed systems techniques and methodologies.	Level 3	PO 1,3
CO2	To gain experience in the design and development of distributed systems and distributed systems applications.	Level 6	PO 2,3
CO3	To gain experience in the application of fundamental Computer Science methods and algorithms in the development of distributed systems and distributed systems applications.	Level 6	PO 2
CO4	To gain experience in the design and testing of a large software system, and to be able to communicate that design to others.	Level 6	PO 2 ,3
CO5	To analyze the genesis of grid computing	Level 4	PO 2, PO 3
CO6	To find the application of grid computing	Level 1	PO 1
CO7	To analyze the technology and toolkits for facilitating grid computing	Level 4	PO1

Name and Sign of Course Teacher

BECME503T: Distributed System & Grid Computing (Practical)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	POs
CO1	Model Client server communication	Level 3	PO3
CO2	Understand and develop Vector clock and lamport clock	Level 6	PO 3
CO3	Construct CORBA and JAVA RMI	Level 6	PO 3
CO4	Analyze and Simulate mutual Exclusion	Level 4	PO3, PO 5
CO5	Analyze concept of Big data and Hadoop	Level 4	PO2
CO6	Analyze Simulate Grid computing Environment	Level 4	PO1 ,PO5

Name and Sign of Course Teacher

BECME706P: Major Project

❖ **Course Outcome:**

After the completion of Course, Students will be able to.....

		Blooms level	POs
BECME706P 1	To solve problem in projects	Level 3	PO3
BECME706P 2	To develop SRS and other software engineering documents in the project report	Level 6	PO 3
BECME706P 3	To solve problems using multi-core, distributed, embedded, concurrent/Parallel environments	Level 3	PO 3
BECME706P 4	To design conference paper	Level 6	PO1,PO3
BECME706P 5	To demonstrate presentation, communication and team-work skills.	Level 2	PO 1, PO3

Name and Sign of Course Teacher

BECME804T: Real Time Systems
(Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BECME804T: 1	***Classify*** among different real time systems, understand the ***importance*** of real time systems**.**	Level 2, 4,5	PO 1,2,4
BECME804T: 2	***Categorized*** among different tasks and to ***demonstrate*** different scheduling policies.	Level 2,4	PO 1,3
BECME804T: 3	***Select*** programming language for RTS and to ***compare*** among real time and general databases.	Level 1,2,3,4	PO 1,2,3
BECME804T: 4	***Explain design and development*** of protocols related to real-time communication.	Level 2,5	PO 1,3
BECME804T: 5	***Illustrate and explain*** the working of real-time operating systems and kernel.	Level 2	PO 1,2,3
BECME804T: 6	***Classify*** different fault types***; Explain*** the different forms of redundancy and their applicability.	Level 2,4	PO 2,3,4,5

Name and Sign of Course Teacher

(Mr. Harshwardhan Kharpate)

BECME803T (ii): Software testing & Quality Assurance

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	POs
CO1	Have an ability to apply software testing knowledge and engineering methods.	Level 3	PO 1
CO2	Have an ability to design and conduct a software test process for a software testing project.	Level 6	PO 2
CO3	Have an ability to identify the needs of software test automation, and define and develop a test tool to support test automation	Level 5	PO 2
CO4	Have an ability understand and identify various software testing problems, and solve these problems by designing and selecting software test models, criteria, strategies, and methods.	Level 3, 6	PO 2
CO5	Have an ability to use various communication methods and skills to communicate with their teammates to conduct their practice-oriented software testing projects.	Level 3	PO2,PO3
CO6	Have basic understanding and apply knowledge of contemporary issues in software testing, such as component-based software testing problems.	Level 3	PO 1
CO7	Have an ability to use software testing methods and modern software testing tools for their testing projects	Level 3	PO2,PO3

Name and Sign of Course Teacher

BECME801T: UNIX AND SHELL PROGRAMMING (Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BECME801T.1	***Define*** the system structure, operating system services, ***make use of*** basic system commands and ***build*** shell programs.	1,3	1,2
BECME801T.2	***Explain*** Architecture of UNIX operating system and kernel data structure. Also able to ***illustrate*** the different scenarios for retrievals of a buffer cache and disk blocks.	2	1
BECME801T.3	***Explain*** Internal representation of a file-Inode and structure of regular file. Can ***build*** algorithms on various file operations.	2,6	2
BECME801T.4	***Explain and build*** system calls using C programming language.	2,6	2
BECME801T.5	***Explain*** Structure of process ,The context of a Process and process control mechanism.	2	1
BECME801T.6	***Define*** Inter-process Communication and Managing the system and network connection in any LINUX version.	1	1

Name and Sign of Course Teacher

BECME801P: UNIX AND SHELL PROGRAMMING
(Practical)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BECME801P.1	***Make use of*** shell and Basic Unix commands.	3	1
BECME801P.2	***Construct*** shell basic programs using operators.	6	2
BECME801P.3	***Construct*** shell basic programs using different control structures.	6	2

Name and Sign of Course Teacher

BECME803T Elective –III: Wireless Communication & Mobile Computing (Theory)

❖ Course Outcome:

After the completion of Course, Students will be able to.....

		Blooms Level	PO
BECME4803T: 1	*Define* and *explain* the Cellular concept, Frequency reuse, Hand-off strategies and *summarize* kinds of interferences	Level 1,2	PO 2
BECME803T: 2	*outline* the subsystems involved in GSM and *perceive* an understanding of digital cellular systems (GSM, CDMA)	Level 2,5	PO
BECME803T: 3	*summarize* Different forms of wireless networks like sensor network,P2P network and *compare* their corresponding routing protocol	Level 2,4	PO
BECME803T: 4	understand *importance* of change of network layer and transport layer protocol for wireless networks and *outline* different TL protocols	Level 2,5	PO
BECME803T: 5	Analyze issues and challenges specific to wireless networks	Level 4	PO
BECME803T: 6	*Explain* WAP and *Distinguish* the different Bluetooth: User Scenarios	Level 2,4	PO

Name and Sign of Course Teacher

(Mr. Pravin Khawse)