

## **BECME602P Design and Analysis of Algorithm's (Practical)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME602P.1</b>	<b>Apply</b> good principles of algorithm design;	Level 3	PO 1,2
<b>BECME602P.2</b>	Learn how to <b>analyze</b> algorithms and estimate their worst-case and average-case performance (in easy cases);	Level 4	PO3,2
<b>BECME602P.3</b>	Classify among different data structures.	Level 4	PO 3,4

**Name and Sign of Course Teacher**

**Dr. Sushma Satpute**

## **BECME602T Design and Analysis of Algorithms (Theory)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME602T.1</b>	<b>Illustrate</b> Fundamentals of Algorithmic Problem Solving and Fundamental Data Structures	Level 2	PO 1
<b>BECME602T.2</b>	<b>Evaluate</b> the algorithm efficiency	Level 5	PO 1, 2
<b>BECME602T.3</b>	<b>Comparing ,Analyzing and Solving</b> the sorting operations like Selection sort, Bubble sort, Merge sort and quick sort. sequential search and exhaustive search.	Level 2,4,3	PO 1,3, 4
<b>BECME602T.5</b>	<b>Evaluate</b> binary tree traversals	Level 5	PO 3
<b>BECME602T.6</b>	<b>Analyze</b> the limitations of algorithmic power using Lower-Bound Arguments, Decision Trees, Backtracking, Branch-and-Bound.	Level 4	PO 4

**Name and Sign of Course Teacher**

**Dr. Sushma Satpute**

# BECME603T: Database Management System

Credits:4+ 1= 5

## ❖ Course Outcomes:

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

		Blooms Level	PO
CME603T1	<b>Explain</b> the architecture and functioning of database management systems as well as associated tools and techniques, <b>Compare</b> file processing system and DBMS	Level 2	PO 1
CME603T.2	<b>Illustrate</b> database query and manipulation languages such as SQL (Structured query language )and <b>Interpret</b> real problem with SQL query	Level 2,5	PO 1, 2,3
CME603T.3	<b>Classify</b> various data models and <b>construct</b> Entity _Relationship diagram <b>Apply</b> Normalization form to convert database tables into normal forms.	Level 2,3,6	PO 1,2,3
CME603T.4	Query Processing and Query Optimization <b>Measure</b> of query cost for various operators	Level 5	PO 1,2,4
CME603T.5	Transaction Management & Concurrency Control <b>Explain</b> role of various components in the transaction management and types of concurrency control and recovery techniques	Level 2	PO 1,2,4
CME603T.6	Distributed Database: <b>Discuss</b> all properties of database for distributed database and understand the working of DDBMS.	Level 6	PO 1

Name and Sign of Course Teacher

Prof. Sharayu Deote

## BECME603P: Database Management System

Credits: 1

❖ Course Outcomes:



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

		Blooms Level	PO
<b>CME603P1</b>	<b>Design</b> and <b>modify</b> a database using SQL DML/DDDL Commands.	Level 6	PO 1
<b>CME603P.2</b>	understand and <b>apply</b> integrity constraints on a database using a state-of-the-art RDBMS	Level 3	PO 1, 2,4
<b>CME603P.3</b>	<b>Construct</b> PL/SQL including stored procedures, stored Functions, cursors, packages.	Level 6	PO 1,2,3
<b>CME603P.4</b>	<b>Develop</b> databases and associated query for given applications as course projects	Level 3	PO 2,4

Name and Sign of Course Teacher

Prof. Sharayu Deote

**BECME605T: FUNCTIONAL ENGLISH  
(THEORY)**

❖ **Course Outcome:**

**After the completion of Course, Students will.....**

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME605T.1</b>	Have some confidence to <b>solve</b> competitive examinations.	Level 6	PO 10
<b>BECME605T.2</b>	be able to <b>apply</b> the knowledge of vocabulary in their communication.	Level 3	PO 10
<b>BECME605T.3</b>	be able to <b>organize</b> their thoughts in English and hence face job interviews more confidently.	Level 3	PO 9,10
<b>BECME605T.4</b>	be able to <b>apply</b> language skills required to <b>construct</b> their Reviews/ Projects/ Reports.	Level 3	PO 9,10

**Name and Sign of Course Teacher**

**Prof. Rashmi Deshpande**

## BEIT606P: Mini Project & Industrial Visit

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BEIT606P: 1</b>	<i>Identify</i> real time problem.	Level 3	PO 1
<b>BEIT606P: 2</b>	<i>Analyze</i> and <i>identify</i> requirement of relevant data source.	Level 3,4	PO 1,2
<b>BEIT606P: 3</b>	<i>Take part in</i> Literature <i>survey</i> /Industrial <i>survey</i>	Level 4	PO 1,2,3,9
<b>BEIT606P: 4</b>	<i>Develop</i> overall project as per all the phases of SDLC	Level 3,6	PO 1,3,8,9

**Name and Sign of Course Teacher**

*(Mr. Harshwardhan Kharpate)*

## **BECME604T: Software Engineering & Project Management (Practical)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME604T.1</b>	<i>Explain</i> the importance of modeling and how the Unified Modeling Language (UML) represents an object-oriented system using a number of modeling views.	Level 2	PO 1
<b>BECME604T.2</b>	<i>Construct</i> various UML models (including use case diagrams, class diagrams, state chart diagrams, activity diagrams, etc) using the appropriate notation. Recognize the difference between various object relationships.	Level 6	PO 3
<b>BECME604T.3</b>	<i>Apply</i> the Rational Software Suit for the construction of UML models and expressing the appropriate notation associated with each model	Level 3	PO 5

**Prof. Suruchi W. Kitey**

**Name and Sign of Course Teacher**

## **BECME604T: Software Engineering & Project Management (Theory)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME604T.1</b>	Learn and <i>explain</i> the life cycle of software	Level 2	PO 1
<b>BECME604T.2</b>	<i>Examine</i> the requirements of a software development project	Level 4	PO 4
<b>BECME604T.3</b>	<i>Prove</i> and validate a software development project.	Level 5	PO 3
<b>BECME604T.4</b>	<i>Illustrate</i> and manage the core ethical issues of software development process	Level 2	PO 4,8
<b>BECME604T.5</b>	<i>Develop</i> a positive attitude towards the development of a software project in a team	Level 6	PO 9
<b>BECME604T.6</b>	<i>Develop</i> the skills to work as a software designer and developer & <i>Build</i> a strength to plan and work effectively in a team	Level 3,6	PO 11

**Prof. Suruchi W. Kitey**

**Name and Sign of Course Teacher**



## BECME601T: System Software (Theory)

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME601T: 1</b>	<i>Distinguish</i> among different system programs and <i>how</i> assembler works. <i>Tell the</i> implementation of two pass assembler.	Level 1, 4	PO 2
<b>BECME601T: 2</b>	<i>Relate</i> among different features of Macro's and to <i>simplify</i> the process of macro implementation.	Level 2,4	PO 2
<b>BECME601T: 3</b>	<i>Demonstrate</i> the working of loader and to <i>compare</i> and <i>contrast</i> among different loading schemes.	Level 2,4,5	PO 1,2
<b>BECME601T: 4</b>	<i>Demonstrate</i> the working of compiler by <i>categorizing</i> it into different phases.	Level 2,4	PO 2,3
<b>BECME601T: 5</b>	To <i>demonstrate</i> and <i>tell</i> driver installation routines and to <i>compare</i> device drivers for different operating systems.	Level 1, 2,5	PO 1,2,3
<b>BECME502T: 6</b>	<i>Illustrate and explain</i> the working of Intel @64 and IA-32 processor.	Level 2,5	PO 2,3,4

**Name and Sign of Course Teacher**

(Mr. Harshwardhan Kharpate)