

## **BECME406P: COMPUTER LAB – II (Practical)**

❖ **Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME406P.1</b>	<b>Explain</b> the syntax and semantics of the COBOL language	Level 2	PO 1
<b>BECME406P.2</b>	<b>Design</b> various forms of data representation and structures and <b>develop</b> a program in the COBOL language	Level 6	PO 1,3
<b>BECME406P.4</b>	<b>Apply</b> the debugging techniques appropriate for the COBOL language	Level 3	PO3

**Name and Sign of Course Teacher**

**BECME401T:- Discrete Mathematics and Graph  
(Theory)**

❖ **Course Outcome:**

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

Course Outcome No.	Course Outcome	Bloom's Level	Level
CO1	Students can <b>Apply</b> the operations of sets and use Venn diagrams to <b>solve</b> applied problems . <b>Simplify</b> and <b>evaluate</b> basic logic statements including compound statements, implications, inverses, converses, and contra positives using truth tables and the properties of logic.	Level 3 Level 5	PO1, PO2, PO5
CO2	Students can <b>Determine</b> the domain and range of a discrete or non-discrete function, graph functions, <b>identify</b> one-to-one functions, perform the composition of functions, <b>find</b> and/or graph the inverse of a function, and <b>apply</b> the properties of functions to application	Level 5 Level 3 Level 1	PO1, PO2, PO3
CO3	Students can <b>Define</b> the core idea of group and can <b>apply</b> it for coding theory and cryptography.	Level 1 Level 3	PO1, PO2, PO5
CO4	Students can <b>Define</b> the basic concept of Ring and Lattices <b>Evaluate</b> Boolean functions and <b>simplify</b> expression using the properties of Boolean algebra; <b>apply</b> Boolean algebra to circuits and gating networks.	Level 1 Level 5 Level 3	PO1, PO2. PO3
CO5	Students can <b>Determine</b> that a given graph is simple or a multigraph, directed or undirected, cyclic or	Level 2	PO1, PO2,

	acyclic, and <b>determine</b> the connectivity of a graph.		PO5
<b>CO6</b>	Student can <b>Solve</b> problems using recurrence relations and recursion to analyze algorithms and programs such as <b>finding</b> Fibonacci numbers, the Ackerman function and Tower of Hanoi problems	Level 3, Level 1	PO1, PO2, PO3

**Name and Sign of Course Teacher**

## **BECME402T: File structure and Data processing (Theory)**

❖ **Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME402T.1</b>	<b>Explain</b> the importance of file structures in the Data Storage and Manipulation. <b>Show</b> how various kinds of secondary storage devices to store data.	Level 1,2	PO1
<b>BECME402T.2</b>	<b>Explain</b> the fundamental concepts of file processing operations and storage structures. <b>Show</b> how the File Structure approach differs from the data base approach.	Level 1,2	PO2,
<b>BECME402T.3</b>	<b>Interpret</b> the importance of data compression and <b>Analyze</b> the sequential and indexing file accessing techniques with appropriate data structures	Level 3,4	PO1,2
<b>BECME402T.4</b>	<b>Apply</b> the concepts of sorting and merging on multiple files	Level 3	PO2,3
<b>BECME402T.5</b>	<b>Illustrate</b> the usage of hashing techniques to organize file structures.	Level 2	PO2,4

**Name and Sign of Course Teacher**

## BECME403P: MICROPROCESSOR LAB

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME403P:</b>	<i>Apply</i> the knowledge of the 8086 instruction set and <i>utilize</i> it in programming.	Level 3	PO 2,4
	<i>Experiment with</i> the assembly level programming.	Level 3	PO 1,3
	<i>Demonstrate</i> Logical, Arithmetic, and Rotate/Shift operations on Data.	Level 3	PO 1,2,3
	<i>Develop</i> various applications of microprocessor.	Level 5	PO 1,2,3

**Name and Sign of Course Teacher**

*(Mr. Harshwardhan Kharpate)*

## **BECME403T: MICROPROCESSOR (Theory)**

### ❖ Course Outcome:

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME403T: 1</b>	<i>Interpret</i> the architecture of 8086.	Level 2	PO 1
<b>BECME403T: 2</b>	<i>Apply</i> the knowledge about the instruction set of 8086.	Level 3	PO 1,2
<b>BECME403T: 3</b>	<i>Develop</i> skill in program writing for 8086.	Level 6	PO 1,2
<b>BECME403T: 4</b>	<i>Outline</i> the operation of the stack, <i>identify</i> the instructions that manipulate it and <i>Demonstrate</i> the use of macros.	Level 2,3,5	PO 1,3
<b>BECME403T: 5</b>	<i>Demonstrate</i> the interfacing of various peripheral devices with the microprocessor.	Level 2	PO 2,3,4
<b>BECME403T: 6</b>	<i>Illustrate</i> the use of interrupts.	Level 2	PO 1

**Name and Sign of Course Teacher**

*(Mr. Harshwardhan Kharpate)*

## BECME404T: NUMERICAL COMPUTATION TECHNIQUES (Theory)

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME404T: 1</b>	<i>name</i> and <i>explain</i> Numerical methods for roots of equations, polynomial, transcendental, quadratic equations	Level 1,2	PO 1,2
<b>BECME404T: 2</b>	<i>Evaluate</i> the Solution of Simultaneous Equations using different methods.	Level 5	PO 1,2
<b>BECME404T: 3</b>	<i>Apply</i> methods of numerical methods for <i>evaluation</i> of Differentiation and integration	Level 3, 5	PO 1,2
<b>BECME404T: 4</b>	<i>Define</i> Sampling, frequency distribution to <i>list, explain</i> different measures of central tendency and dispersion moments	Level 1,2,4	PO 1,3
<b>BECME404T: 5</b>	<i>Develop</i> Correlation in different sequences and <i>compare</i> them using Regression	Level 3,6	PO 1,2
<b>BECME404T: 6</b>	<i>Outline</i> the different test of significance and <i>extend</i> them to <i>analyze</i> the given sampling data	Level 2,4	PO 1,2,3

Name and Sign of Course Teacher

(Mr. Pravin Khawse)

## CME305T: INTRODUCTION TO COMPUTER NETWORK (Practical)

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME405P.1</b>	<i>Construct a</i> program using basic constructs like if-else, control structures, array, and strings.	Level 1, 2	PO 1
<b>BECME405P.2</b>	<i>Discuss</i> and <i>develop how</i> to model real world scenario using class diagram.	Level 1, 2, 6	PO 1, 2
<b>BECME405P.3</b>	<i>How</i> students will exhibit communication between 2 objects using sequence diagram.	Level 1	PO 3
<b>BECME405P.4</b>	Students will be able to <i>Compare</i> relationships between classes.	Level 5	PO 3
<b>BECME405P.5</b>	Students will be able to <i>demonstrate</i> various collection classes.	Level 2	PO 5
<b>BECME405P6</b>	The students will be able to <i>demonstrate</i> programs on exceptions, multithreading and applets	Level 2	PO 2

Name and Sign of Course Teacher

Prof. Vidya Raut



## CME305T: INTRODUCTION TO COMPUTER NETWORK (Theory)

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME405T.1</b>	<i>Explain</i> basic and advance object oriented concepts, and <i>Define</i> object Modeling Technique and <i>Show</i> its graphical notation.	Level 2,1	PO 1
<b>BECME405T.2</b>	<i>Design</i> and <i>Explain</i> dynamic model using state machine and Functional model using functions, values, constraints, and derived information.	Level 6,5	PO 2,4
<b>BECME405T.3</b>	<i>Demonstrate</i> overview of OMT methodology , <i>how</i> Analyst incorporate customer interview and application domain knowledge to construct an object model dynamic model, and functional model.	Level 2,1	PO 2
<b>BECME405T.4</b>	<i>How</i> to partitioning as system into subsystem and making policy decision.	Level 1	PO2
<b>BECME405T.5</b>	<i>Explain</i> Specification of algorithm, assign functionality to object, introduction of internal object to avoid re-computation and optimization.	Level 2	PO4
<b>BECME405T.6</b>	<i>Compares</i> Object oriented methodology with other popular methodology.	Level 2	PO 1, 2

**Name and Sign of Course Teacher**

Prof. VidyaRaut