

## **BECME502T: Computer Architecture Organization (Theory)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME502T: 1</b>	<i>Explain</i> the history of computers and <i>Apply</i> arithmetic operations on numerical data.	Level 2,3	PO 1,2,4
<b>BECME502T: 2</b>	Understand <i>How</i> the data is stored and retrieved to and from the system and to <i>simplify</i> the process of processor design.	Level 1,4	PO 1,2,3
<b>BECME502T: 3</b>	<i>Demonstrate</i> the working of control unit and to <i>compare</i> different methods of control unit design.	Level 2	PO 1,2,3
<b>BECME502T: 4</b>	<i>Classify</i> different memory units and <i>illustrate</i> their working.	Level 2,4	PO 1
<b>BECME502T: 5</b>	To <i>demonstrate how</i> input/output units are working and <i>compare</i> their characteristics.	Level 1, 2	PO 1,2
<b>BECME502T: 6</b>	<i>Apply</i> their knowledge in parallel processing and <i>classify</i> among different parallel processing units.	Level 2,3	PO 1,2

**Name and Sign of Course Teacher**

(Mr. Harshwardhan Kharpate)

## **BECME504P: COMPUTER GRAPHICS (Practical)**

### ❖ Course Outcome:

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME504P.1</b>	<i>Apply &amp; test</i> their knowledge in computer graphics.	Level 3, 6	PO 1
<b>BECME504P.2</b>	To <i>Develop</i> computer graphics Program in C Programming	Level 3	PO 1,2,3
<b>BECME504P.3</b>	<i>Experiment with</i> different operations like transformation, graphics primitives, clipping, DDA, Bresenham's and polygon filling algorithm	Level 3	PO 1,2,3

**Prof. Suruchi W. Kitey**

**Name and Sign of Course Teacher**

## **BECME504T: COMPUTER GRAPHICS (Theory)**

### ❖ Course Outcome:

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME504T.1</b>	<i>Adapt</i> sound knowledge of interactive computer graphics & computer system.	Level 6	PO 1
<b>BECME504T.2</b>	<i>Compare</i> vector and raster graphics	Level 2	PO 1,2
<b>BECME504T.3</b>	<i>Build</i> knowledge to <i>solve</i> algorithms like line drawing, circle drawing.	Level 3	PO 1,2,3
<b>BECME504T.4</b>	<i>Build</i> knowledge and <i>Make use of</i> the techniques like clipping, polygon filling, transformations & Projection.	Level 3	PO 1,2,3
<b>BECME504T.5</b>	<i>Explain</i> the concept of viewing, rendering technique, animation & color models	Level 2	PO 1,2,3
<b>BECME504T.6</b>	<i>Illustrate</i> general algebraic curves & surface, Interpolation	Level 2	PO 1,2

**Prof. Suruchi W. Kitey**

**Name and Sign of Course Teacher**

## **BECME506P: COMPUTER LAB –III (Practical)**

### **❖ Course Outcome:**

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

		<b>Blooms Level</b>	<b>PO</b>
<b>BECME506P: 1</b>	<i>Perceive</i> the understanding of JVM, JRE and <i>demonstrate how</i> to <i>compile</i> and run a program in java language using command mode.	Level 1, 2,5	PO 2,3
<b>BECME506P: 2</b>	<i>Distinguish</i> the compile time and run time errors and <i>modify</i> the code to <i>develop</i> an error free code	Level 3, 4, 6	PO 1,2,3
<b>BECME506P: 3</b>	<i>Experiment with</i> various concepts of programming like decision control, looping, arrays, classes, objects, and <i>inspect</i> the execution of same.	Level 3, 4	PO 2,3
<b>BECME506P: 4</b>	<i>Make use of</i> various features of java (like Exception Handling, Multithreading, Packages, applets etc.) to achieve the desired goal to <i>develop</i> a certain application	Level 3,5	PO 2,3

**Name and Sign of Course Teacher**

*(Mr. Pravin Khawse)*

**BECME505T: INDUSTRIAL ECONOMICS & ENTREPRENEURSHIP  
DEVELOPMENT**

❖ **Course Outcome:**

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

		Blooms Level	PO
<b>BECME505T.1</b>	<i>Define</i> and <i>explain</i> the different kind of business structures and the basic concepts of economics	Level 1, 2	PO11
<b>BECME505T.2</b>	<i>Define</i> and <i>explain</i> the types of market structures and the concepts of business integration, Economies and Diseconomies, LPG Policy, Trade Cycle and Optimum size	Level 1, 2	PO 6,11
<b>BECME505T.3</b>	<i>Summarize</i> the functions of central bank and commercial bank, effect of policies regarding trade and <i>explain</i> the concepts inflation, deflation, stagflation, PPP models, Capital formation, inclusive growth	Level 2	PO 6,11
<b>BECME505T.4</b>	<i>Explain</i> the basics of entrepreneurship and Small Scale Industries.	Level 2	PO 9,10,11
<b>BECME505T.5</b>	<i>List</i> the different sources of finance and Government support system and <i>explain</i> the concept of BEP and Taxation.	Level 4, 2	PO 6,11
<b>BECME505T.6</b>	<i>Summarize</i> the problems of SSIs & causes of Sickness of SSIs and <i>explain</i> the role of TCOs, Govt. Policies, Tax and other incentive, FDI for SSIs	Level 2	PO 6,7,11

Name and Sign of Course Teacher

Prof. Priyadarshini Ramteke

## **BECME503P: TCP/IP & INTERNET (PRACTICAL)**

### **Course Outcomes:-**

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

		Blooms Level	POs
<b>BECME503P.1</b>	<i>Test</i> the different networking based command and examine <i>how</i> it useful	Level6,1	PO1,3
<b>BECME503P.2</b>	<i>Experiment with</i> simple LAN connection and perform sharing	Level 3	PO 1,2,5
<b>BECME503P.3</b>	<i>Design</i> the program for TCP and UDP	Level 6	PO 1,3
<b>BECME503P.4</b>	<i>Design</i> the network and <i>apply</i> addressing on it	Level 3,6	PO3, PO 5

Name and Sign of Course Teacher

**Prof. A. Borkar**

# BECME503T: TCP/IP & INTERNET

(Theory)

## Course Outcomes:-

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

		Blooms Level	POs
<b>BECME503T.1</b>	<i>Explain</i> TCP/IP protocols, ports, sockets, and data encapsulation and Configure and <i>construct</i> subnets using IP classes B and C	Level 2,3	PO 1,2,3
<b>BECME503T.2</b>	Describe the process of packet fragmentation and <i>explain</i> the reassembly	Level 2	PO 2
<b>BECME503T.3</b>	<i>Explain</i> the key features and functions of TCP and UDP	Level 2,	PO 2
<b>BECME503T.4</b>	<i>Identify</i> ICMP request and reply packets	Level 3	PO1,2
<b>BECME503T.5</b>	<i>Illustrate</i> working of routing protocols	Level 2	PO 2
<b>BECME503T.6</b>	<i>Demonstrate</i> the DHCP discovery process and <i>Explain</i> DNS queries, name resolution, zone data transfers and reverse DNS queries	Level 2	PO2

Name and Sign of Course Teacher

**Prof. A. Borkar**

## BECME501T: THEORY OF COMUTATION (Theory)

### ❖ Course Outcome:

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

		Blooms Level	PO
<b>BECME501T.1</b>	<i>Explain</i> fundamental properties of formal languages and formal grammars, deterministic and nondeterministic finite automata and types of languages and types of finite automata.	2	1
<b>BECME501T.2</b>	<i>Prove</i> the equivalence of languages described by finite state machines and regular expressions and able to <i>construct</i> regular grammar from finite automata and vice versa.	2,3	1,2
<b>BECME501T.3</b>	<i>Apply</i> logic using context-free languages, context-free grammars, and able to <i>construct</i> push-down automata.	3	2
<b>BECME501T.4</b>	<i>Explain</i> basic properties of Turing machines and <i>construction</i> of Turing machines and Turing recognizable languages.	2,3	2
<b>BECME501T.5</b>	<i>Demonstrate</i> analytically for problem-solving situations in related areas of theory in computer science. Be exposed to decidability and recursive enumerability.	2	3
<b>BECME501T.6</b>	<i>Explain</i> primitive recursive function theory and Bounded & Unbounded Minimization. Also able to <i>Solve</i> primitive recursive functions. <i>Compare</i> Turing Computable function and $\mu$ -recursive function.	2,5	2

Name and Sign of Course Teacher

Prof. S C Sahu