

BECME303T: Concepts In Computer Engineering (Theory)

❖ Course Outcome:

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

		Blooms Level	PO
BECME303T.1	Analyze the fundamentals of computer in both section hardware and software	Level 4	PO1
BECME303T.2	Explain and Compare the concepts of generation of computers	Level 2	PO2
BECME303T.3	Explain and Compare the details of high level and low level language program and its generation	Level 2	PO1,PO2
BECME303T.4	Apply the concept of an algorithm ,flowchart and program & Categorize software applications.	Level 2,3	PO1
BECME303T.5	Define various operating system and explain about open source software	Level 1,5	PO1

Name and Sign of Course Teacher

Prof.Sakshi Khamnakar

BECME307P: COMPUTER LAB – I
(Practical)

❖ **Course Outcome:**

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

		Blooms Level	PO
BECME307P.1	Analyze and Apply HTML tags	Level 2,6	PO 1
BECME307P.2	Plan and Compare the tags by creating web pages	Level 4,6	PO 3
BECME307P.3	Design and Develop simple web based application	Level 6	PO 5

Name and Sign of Course Teacher

Prof.Sakshi Khamankar

BECME302T: DIGITAL ELECTRONICS (Theory)

❖ Course Outcome:

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

		Blooms Level	PO
BECME302T.1	<i>Apply</i> the structure of various number systems and its application in digital design.	3	1,2
BECME302T.2	<i>Formulate</i> and <i>design</i> a Karnaugh Map to reduce Boolean expressions and logic circuits to their simplest forms.	6	2
BECME302T.3	Understand, <i>analyze</i> and <i>design</i> various combinational circuits.	4,6	1,2,3
BECME302T.4	Understand, <i>analyze</i> and <i>design</i> various sequential circuits.	4,6	1,2,3
BECME302T.5	Understand, <i>analyze</i> and <i>design</i> various synchronous and asynchronous sequential	4,6	1,2,3
BECME302T.6	Understand and <i>Explain</i> Arithmetic and Logical Unit's basic functions like addition and subtraction with the help of adders and sub tractors.	2	1

Name and Sign of Course Teacher

Prof. Shailesh Sahu

BECME302T: DIGITAL ELECTRONICS (Practical)

❖ Course Outcome:

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

		Blooms Level	PO
BECME302T.1	<i>Apply</i> the basic knowledge of digital logic and application of knowledge to understand digital electronics circuits.	2,3	1
BECME302T.2	<i>Apply</i> DeMorgan.s Theorem to simplify a negated expression.	3	1
BECME302T.3	<i>Develop</i> skill to <i>build</i> , and troubleshoot digital circuits. <i>Create</i> circuits to solve problems using gates to replicate all logic functions.	3,6	1,2
BECME302T.4	<i>Explain</i> the working of various applications of flip flops.	2	1

Name and Sign of Course Teacher

Prof. S C Sahu

BECME304T: PROGRAMMING METHODOLOGY AND DATA STRUCTURES (Theory)

❖ Course Outcome:

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

		Blooms Level	PO
BECME304T: 1	Know the history of computer programming languages and <i>compare</i> the different programming paradigms.	Level 2	PO 2
BECME304T: 2	<i>Design</i> an algorithm and construct the flowchart for any problem.	Level 6	PO 1,2,3
BECME304T: 3	<i>Apply</i> the knowledge of fundamentals of C language to <i>Develop</i> a program	Level 3,6	PO 1,2,3
BECME304T: 4	<i>List</i> and <i>explain</i> different searching and sorting techniques for a given set of data.	Level 2,4	PO 1,3
BECME304T: 5	<i>Find</i> as to <i>how</i> exactly the data is stored, organized in memory and <i>extend</i> this knowledge to perform operations on the stored data.	Level 1, 2	PO 1,2,3,4
BECME304T: 6	Understand and <i>Categorize</i> the data structures into different types and <i>choose</i> the one <i>which</i> is needed by the particular application	Level 1,4,5	PO 2,3,4

Name and Sign of Course Teacher

(Mr. Pravin Khawse)

BECME304P: PROGRAMMING METHODOLOGY AND DATA STRUCTURES (LAB)

❖ Course Outcome:

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

		Blooms Level	PO
BECME304P: 1	<i>Demonstrate how to compile</i> and run a program in C Language. <i>Distinguish</i> the compile time and run time errors and <i>modify</i> the code	Level 1, 2, 3, 4,	PO 1, 2, 3
BECME304P: 2	<i>Experiment with</i> various concepts of programming like decision control, looping, strings, arrays, structure and <i>inspect</i> the execution of same.	Level 3, 4	PO 2,3
BECME304P: 3	<i>Compare</i> the performances of different sorting techniques and different data structures	Level 2	PO 2,3

Name and Sign of Course Teacher

(Mr. Pravin Khawse)

BECME306P Environmental Engineering-I (Practical)

❖ Course Outcome:

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

		Blooms Level	PO
BECME306P.1	Understand the natural environment and its relationships with human activities.	Level 2	PO 4
BECME306P.2	Illustrate and analyze human impacts on the environment.	Level 2,4	PO 1, 2
BECME306P.3	Relate facts, concepts, and methods from multiple disciplines and apply to environmental problems.	Level 2,3	PO 4,1
BECME306P.4	Adapting practical skills for scientific problem-solving, including familiarity with laboratory and field instrumentation, computer applications, statistical and modeling techniques.	Level 6	PO 2
BECME306P.5	Understand scientific research strategies, including collection, management, evaluation, and interpretation of environmental data	Level 2	PO 4

Name and Sign of Course Teacher

BECME305T: INTRODUCTION TO COMPUTER NETWORK (Theory)

❖ Course Outcome:

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

		Blooms Level	PO
BECME305T.1	Understand different services offered by layers of OSI model and <i>explain</i> different network topologies, protocols, models components.	Level 2	PO 1
BECME305T.2	<i>Explain</i> the issues related to the physical layer and in <i>which</i> way physical layer is used to controlled transmission medium.	Level 1, 2	PO 1, 2
BECME305T.3	<i>Demonstrate</i> specific responsibilities of data link layer including framing, addressing, flow control and error control.	Level 2	PO 1
BECME305T.4	<i>Illustrate</i> the use of IPv4 addresses in Computer Network layer. <i>Demonstrate</i> different routing and switching algorithms.	Level 2	PO 1, 2
BECME305T.5	<i>Define</i> how transport layer is responsible for process to process delivery of entire message as well as flow and error control at end to end.	Level 1	PO 1, 2
BECME305T.6	Understand various application layer protocols and its applications in client / server environment. <i>Explain</i> network security using cryptography.	Level 2	PO 1

Name and Sign of Course Teacher

Prof. Vidya Raut