

FINAL YEAR (2019-20)

COURSE CODE	UNIVERSITY CODE	COURSE NAME
C401	ROE-074	Universal Human Values
C402	RCS-071	Applications of Soft Computing
C403	RCS-075	Cloud Computing
C404	RCS-076	Block Chain Architecture Design
C405	RCS-701	Distributed Systems
C406	RCS-702	Artificial Intelligence
*C407	RCS-751	Distributed Systems Lab
*C408	RCS-752	Artificial Intelligence Lab
***C409	RCS-753	Industrial Training
***C410	RCS-754	Project
C411	ROE 082	Entrepreneurship Development
C412	RCS 080	Machine Learning
C413	RCS 082	Image Processing
C414	RCS 086	Deep Learning
C415	RCS 087	Data Compression
***C416	RCS 851	Seminar
##C417	RCS 852	Project

HumanValues (ROE074): C-401**Year of Study: 2019-20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-401.1	Define, identify and remember the facts and process, to assess basic human aspirations /goals and to see the shifts.	K,1 K3
C-401.2	Facilitate the competence to understand the harmony in nature/existence and apply it in attaining human goals.	K2, K3, K4
C-401.3	Analyze various factors and sources influencing decision makings, and significance of knowledge in RESOLUTION.	K3, K4
C-401.4	Evaluate transformation in thoughts through knowledge and in expressions as humane conduct (behavior, work/participation).	K5, K6
C401.5	Create and develop the understanding of humane tradition and its various components.	K6, K1, K3

HumanValues (ROE074): C-401**Year of Study: 2019-20**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1		2				1	1	1	1			2
C401.2			3			2	2	2	2			3
C401.3		3	3	2		3	3	3	2	2		3
C401.4		2	3	3		3	3	3	3	3		3
C401.5			3	3		3	3	3	-	2		3
C401		2	3	3		3	3	3	2	2		3

HumanValues (ROE074): C-401**Year of Study: 2019-20**

CO	PSO1	PSO2
C-401.1	2	
C-401.2	3	2
C-401.3	3	3
C-401.4	3	3
C-401.5	3	3
C401	3	3

Applications of Soft Computing (RCS071): C-402

Year of Study: 2019-20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-402.1	Students are able to identify and describe soft computing techniques and their roles in building intelligent machines and understand the concepts of neural networks to achieve human like decision making.	K1,K2
C-402.2	Students are able to apply neural networks to pattern classification and regression problems.	K3,K4
C-402.3	Students understand and learn fuzzy logic concepts and reasoning to handle uncertainty.	K1,K2,K3
C-402.4	Students are able to apply the fuzzy logic concepts to solve engineering problems related to uncertainty.	K4,K5,k6
C-402.5	Students are able recognize the feasibility of applying a soft computing methodology for a particular problem and learn to apply genetic algorithms to combinatorial optimization problems.	K2,K6

Applications of Soft Computing (RCS071): C-402

Year of Study: 2019-20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	3	2	1	2	2							2
C402.2	3	3	2	3	3	2						2
C402.3	3	2	2	2	2							2
C402.4	3	3	3	3	3	3		2				2
C402.5	3	3	3	3	3	2		2				2
C402	3	3	2	3	3	2		2				2

Applications of Soft Computing (RCS071): C-402

Year of Study: 2019-20

CO	PSO1	PSO2
C402.1	3	2
C402.2	3	2
C402.3	3	2
C402.4	3	2
C402.5	3	2
C402	3	2

Cloud Computing (RCS075): C-403

Year of Study: 2019-20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-403.1	Students are able to understand and define Cloud Computing, different Cloud service and deployment models.	K1,K2
C-403.2	Students are able to understand the Cloud applications with their architecture, vulnerabilities and resource management.	K1,K2,K4
C-403.3	Students are able to describe importance of virtualization along with their technologies.	K2,K3
C-403.4	Students are able to analyze the components of open stack & Google Cloud platform and understand Mobile Cloud Computing,	K4,K5
C403.5	Students are able to understand the design & develop backup strategies for cloud data based on features.	K2,K3,K6

Cloud Computing (RCS075): C-403

Year of Study: 2019-20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-403.1	3	2	3		3	2				3	2	2
C-403.2	3	2	3		3	2				3	2	2
C-403.3	3	2	3		3	2				3	2	2
C-403.4	3	2	3		3	2				3	2	2
C-403.5	3	2	3		3	2				3	2	2
C403	3	2	3		3	2				3	2	2

Cloud Computing (RCS075): C-403

Year of Study: 2019-20

CO	PSO1	PSO2
C-403.1	3	3
C-403.2	3	3
C-403.3	3	3
C-403.4	3	3
C-403.5	3	3
C403	3	3

Blockchain Architecture Design (RCS076): C-404**Year of Study: 2019-20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-404.1	Students are able to understand the Blockchain Architecture, Blockchain design primitives, working of crypto currency and digital ledger. Students recall the crypto-primitives and understand their importance in Blockchain technology.	K1, K2
C-404.2	Students are able to understand various consensus protocols like RAFT, PBFT, Proof of Work and their applications in permissioned blockchain and crypto-currencies. Students acquire skill to analyze consensus protocols on scalability and throughput parameters.	K2, K3, K4
C-404.3	Students are able to understand the working of Hyperledger fabric, its components , SDK and frontend. Student acquire skills to design, build and deploy smart contract on Hyperledger fabric.	K2, K3,K5
C-404.4	Students apply, analyze and evaluate the use of blockchain in Financial software, Capital markets, Supply chain Industries, Government initiatives like land record settlement and public distribution systems.	K3,K4,K5
C404.5	Students understand the security considerations for blockchain and learn to apply and evaluate Membership and Access control policies, Privacy in a Blockchain System and confidentiality for smart contracts. Students are able to integrate ideas from blockchain technology into their own projects.	K2, K3, K5, K6

Blockchain Architecture Design (RCS076): C-404**Year of Study: 2019-20**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-404.1	2	3	3							3	3	3
C-404.2	3	3	3	3	3						2	3
C-404.3	3	2			2						3	3
C-404.4	2	2	2		3	3		3	3		3	3
C-404.5	2	2	3		3	3		3		3	3	3
C404	2	2	3	3	3	3		3	3	3	3	3

Blockchain Architecture Design (RCS076): C-404**Year of Study: 2019-20**

CO	PSO1	PSO2
C-404.1	3	3
C-404.2	3	3
C-404.3	3	3
C-404.4	3	3
C-404.5	3	3
C-404	3	3

Distributed Systems (RCS701): C-405**Year of Study: 2019-20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-405.1	Students are able to understand the fundamental concepts, message passing and functioning of logical clocks in a distributed environment.	K1,K2
C-405.2	Students are able to understand, analyze and resolve the resource sharing problems which occur in distributed systems. Students are able to analyze problems that come in synchronization to avoid deadlock.	K2,K4
C-405.3	Students are able to recognize faulty processors and the algorithm that deals with the distributed file system. Students are able to understand the algorithm that deals with distributed shared memory.	K2,K3
C-405.4	Students are able to identify and evaluate the problems in developing distributed applications with fault tolerance and response recovery in case of a faulty system,	K4,K5
C405.5	Students are able to understand the terminology of transactions and different locks in a concurrent environment. They are able to create their own log schedule with the fully understanding of applying different locks.	K2,K6

Distributed Systems (RCS701): C-405**Year of Study: 2019-20**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-405.1	3	2		3	3	3					2	2
C-405.2	3	2		2	3	3					2	2
C-405.3	3	2		3	3	2					2	2
C-405.4	2	2		3	3	3					2	2
C-405.5	3	2		3	2	3					2	2
C405	3	2		3	3	3					2	2

Distributed Systems (RCS701): C-405**Year of Study: 2019-20**

CO	PSO1	PSO2
C-405.1	3	3
C-405.2	3	3
C-405.3	3	3
C-405.4	3	3
C-405.5	3	3
C405	3	3

Artificial Intelligence (RCS702): C-406**Year of Study: 2019-20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-406.1	Students are able to define, understand, describe the key components of the artificial intelligence field and its importance in Computer Science in terms of intelligent agents.	K1,K2
C-406.2	Students are able to analyze, formalize the problem as a state space, graph, design heuristics and selection of different search or game-based techniques to solve them.	K4,K5,K6
C-406.3	Students are able to apply the fundamentals of knowledge representation and evaluate the working knowledge of reasoning in the presence of incomplete and/or uncertain information.	K3,K5
C-406.4	Students are able to understand and apply machine learning techniques to real-world problems on both complete and hidden data.	K2,K3
C406.5	Students are able to create the basics of pattern recognition process, classification techniques and apply the same on real world problems.	K2,K3,K6

Artificial Intelligence (RCS702): C-406**Year of Study: 2019-20**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-406.1	2	2										3
C-406.2	3	3	3	3	3				2			3
C-406.3	3	3	3	3	2							3
C-406.4	3	3	3	3	3	3	2		2		3	3
C-406.5	3	3	3	3	3	3	2		2		3	3
C406	3	3	3	3	3	3	2		2		3	3

Artificial Intelligence (RCS702): C-406**Year of Study: 2019-20**

CO	PSO1	PSO2
C-406.1	3	2
C-406.2	3	3
C-406.3	3	3
C-406.4	3	3
C-406.5	3	3
C406	3	3

Distributed Systems lab (RCS751): C-407**Year of Study: 2019-20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-407.1	Students are able to perform Resource allocation and deadlock detection and avoidance techniques in the distributed system.	K4
C-407.2	Students are able to understand remote procedure call for various applications.	K2
C-407.3	Students are able to understand IPC mechanism in distributed system.	K2
C-407.4	Students are able to Design and build application programs on distributed systems.	K5,K6
C-407.5	Students are able to design and build newer distributed file systems for any OS	K5,K6

Distributed Systems Lab (RCS751): C-407**Year of Study: 2018 –19**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-407.1	3	3		3	3	3					2	2
C-407.2	3	3		3	3	3					2	2
C-407.3	3	3		3	3	3					2	2
C-407.4	3	3		3	3	3					2	2
C-407.5	3	3		3	3	3					2	2
C407	3	3		3	3	3					2	2

Distributed Systems Lab (RCS751): C-407**Year of Study: 2019 – 20**

CO	PSO1	PSO2
C-407.1	3	2
C-407.2	3	2
C-407.3	3	2
C-407.4	3	2
C-407.5	3	2
C407	3	2

Artificial Intelligence lab (RCS752): C-408

Year of Study: 2019-20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-408.1	Students are able to learn different logic programming languages.	K1,K2
C-408.2	Students are able to apply and analyze various problem solving techniques on artificial intelligent problems.	K3,K4
C-408.3	Students acquire skill to identify the given problem and design the rule based systems.	K2,K6
C-408.4	Students develop better understanding to represent various real life problem domains using logic based techniques and use this to perform inference or planning.	K2,K5,K6
C-408.5	Students understand the working knowledge in Lisp and demonstrate that for solving the artificial intelligent problems.	K2,K3

Artificial Intelligence lab (RCS752): C-408

Year of Study: 2019-20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-408.1	2	2	2	2	3							3
C-408.2	3	3	3	3	3	2						3
C-408.3	3	3	3	3	2	3						3
C-408.4	3	3	3	3	3	3	2	1	1		3	3
C-408.5	3	3	3	3	3	2			2	2	3	3
C408	3	3	3	3	3	3	2	1	2	2	3	3

Artificial Intelligence lab (RCS752): C-408

Year of Study: 2019-20

CO	PSO1	PSO2
C-408.1	3	2
C-408.2	3	2
C-408.3	3	3
C-408.4	3	3
C-408.5	3	3
C408	3	3

Industrial Training (RCS753): C-409
Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-409.1	Students acquire 'real' working environment and get acquainted with the organization structure, business operations and administrative functions.	K1
C-409.2	Students develop hands-on experience in the student's related field so that they can relate and reinforce what has been taught at the institute.	K4,K5,K6
C-409.3	Students acquire knowledge of cooperation and to develop synergetic collaboration between industry and the institute in promoting a knowledgeable society.	K1,K6
C-409.4	Students get stage for the future recruitment by the potential employers and get awareness of the social, cultural, global and environmental responsibility as an engineer.	K1,K2
C-409.5	Students acquire presentation and demonstration skills to effectively communicate the progress of the work to peers and superiors using audio/video, software tools.	K5

Industrial training (RCS753):C-409
Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-409.1		3	3	2		3	3	3	3	3	3	3
C-409.2			2			3	3	3	3	3	3	2
C-409.3		2			3	2	3	3	2	3	2	3
C-409.4			3			3	3	3	3	3	2	2
C-409.5	2	2	2	2	3		2	2	2		3	2
C409	2	2	3	2	3	3	3	3	3	3	3	2

Industrial training (RCS753):C-409
Year of Study: 2019– 20

CO	PSO1	PSO2
C-409.1	2	2
C-409.2	3	3
C-409.3	2	2
C-409.4	2	2
C-409.5	3	3
C409	2	2

Project (RCS754): C-410

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-410.1	Students are able to work effectively in teams to accomplish a common goal.	K2
C-410.2	Students are able to develop the ability to communicate effectively with a wide range of audience.	K3,K5
C-410.3	Students acquire the knowledge to undertake technical, research tasks and ethical response responsibilities to develop a software or hardware product.	K1,K3,K4
C-410.4	Students apply the knowledge for developing a business plan for an entrepreneurial venture and its implementation.	K3,K6
C-410.5	Students develop the ability of self-learning and apply it in life- long learning.	K3,K6

Project (RCS754): C-410

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-410.1			3	3	3	2			3	3	3	3
C-410.2									3	3	2	3
C-410.3	3	3	3	3	3	2		3	3	3	3	3
C-410.4	3	3	3	3	3		2	3	2	3	3	2
C-410.5	3	3	3	2	3		2		3		2	3
C410	3	3	3	3	3	2	2	3	3	3	3	3

Project (RCS754): C-410

Year of Study: 2019– 20

CO	PSO1	PSO2
C-410.1	3	2
C-410.2	2	3
C-410.3	3	3
C-410.4	3	3
C-410.5	3	3
C410	3	3

Entrepreneurship Development (ROE082): C-411

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-411.1	To describe entrepreneurship and policies for development of new business.	K1, K2
C-411.2	To understand project identification and various techniques to evaluate projects.	K2, K5
C-411.3	To explain accounting and relevant management concepts and its application in business.	K2, K3
C-411.4	To analyze the risk management techniques for profit planning in industry.	K4
C-411.5	To discuss various entrepreneurial laws and financial assistance agencies.	K4

Entrepreneurship Development (ROE082): C-411

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-411.1		2	2	2	2	3	2	2	1	1	3	2
C-411.2		3	3	2	3	3	3	2	2	3	3	3
C-411.3		3	3	3	2	2	3	1	2	3	3	3
C-411.4		2	2	2	2	2	2	1	1	2	3	2
C-411.5		2	2	2	2	2	2	3	1	3	2	2
C-411		2	2	2	2	2	2	2	1	2	3	2

Entrepreneurship Development (ROE082): C-411

Year of Study: 2019– 20

CO	PSO1	PSO2
C-411.1		1
C-411.2		2
C-411.3		2
C-411.4		2
C-411.5		
C-411		2

Machine Learning (RCS080): C-412

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-412.1	Students are able to understand the fundamental concepts, issues and challenges involved in machine learning.	K1,K2
C-412.2	Students are able to understand and apply the mathematical relationships of various supervised and unsupervised Machine Learning algorithms.	K2,K3
C-412.3	Students are able to recognize the hypothesis space and learning concepts involved in various probabilistic algorithms required for the model selection and their evaluation.	K2,K3
C-412.4	Students are able to identify and evaluate the concept of computational learning and its complexity. They are able to design the solutions for the problems involving instance-based learning.	K4,K5,K6
C-412.5	Students are able to understand the reinforcement learning concept and the optimization strategies. They are able to design the optimization strategies for the models of evolution.	K2,K6

Machine Learning (RCS080): C-412

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C412.1	1	2		3	3	2					2	2
C412.2	3	3	2	3	3	3					2	2
C412.3	3	3	2	3	3	2					2	2
C412.4	3	3	2	3	3	3					2	2
C412.5	3	3	2	3	3	3					2	2
C412	3	3	2	3	3	3					2	2

Machine Learning (RCS080): C-412

Year of Study: 2019– 20

CO	PSO1	PSO2
C412.1	3	2
C412.2	3	2
C412.3	3	2
C412.4	3	2
C412.5	3	2
C412	3	2

Image Processing (RCS082): C-413

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-413.1	Students are able to apply knowledge to perform basic operations like sampling and quantization. Students get recognize the basics of colour image processing in different fields.	K1,K3
C-413.2	Students create the skills to apply various image enhancement techniques and are able to evaluate the use of various filters in frequency domain. Students are able to understand and utilize methods like histogram equalization, arithmetic/logic operations and filters for image enhancement in spatial domain	K6,K5,k2
C-413.3	Students develop skill to understand the issues encountered in image restoration. They are able to analyze different types of noise and apply various filters and morphological operations required for image restoration	K2,K4
C-413.4	Students are able to apply techniques for image segmentation. Also, understands the concepts of image morphological processing	K3,K2
C-413.5	Students are able to analyze the different techniques of image compression .Also understand the concept of object recognition	K4,K6

Image Processing (RCS082): C-413

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-413.1	3	2										
C-413.2	3	3	3	2	3	2			1			
C-413.3	3	3	3	2	3	2			1			
C-413.4	2	3	2	3	3	2			1			2
C-413.5	2	3	1		3	2						1
C413	3	3	2	2	3	2			1			2

Image Processing (RCS082): C-413

Year of Study: 2019– 20

CO	PSO1	PSO2
C-413.1	3	3
C-413.2	3	3
C-413.3	2	3
C-413.4	3	3
C-413.5	2	3
C413	3	3

Deep Learning (RCS086): C-414

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom’s Knowledge Level (KL)
C-414.1	Students are able to understand the fundamental concepts of shallow and deep networks.	K1,K2
C-414.2	Students are able to understand and apply the supervised Deep Learning architectures like Convolution Networks, semi-supervised Generative Adversarial Networks.	K2,K3
C-414.3	Students are able to learn and apply various dimensionality reduction approaches, different types of Convnet architectures to real-world problems.	K2,K3,K5
C-414.4	Students are able to learn various optimization strategies followed for hyper-parameter tuning of deep networks. They are able to understand and design the solutions for the problems involving Deep reinforcement -based learning.	K3,K4,K5,K6
C-414.5	Students are able to understand various existing applications of deep learning. Various case studies are analysed to explore the research potential of deep networks.	K2,K6

Deep Learning (RCS086): C-414

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-414.1	1	3		3	3	2					2	2
C-414.2	3	2	2	3	3	3					2	2
C-414.3	3	3	2	3	3	2					2	2
C-414.4	3	3	2	3	3	3					3	2
C-414.5	3	3	2	3	3	3					3	2
C414	3	3	2	3	3	3					2	2

Deep Learning (RCS086): C-414

Year of Study: 2019– 20

CO	PSO1	PSO2
C-414.1	2	2
C-414.2	3	3
C-414.3	3	2
C-414.4	3	3
C-414.5	3	3
C414	3	3

Data Compression (RCS087): C-415**Year of Study: 2019– 20**

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-415.1	The students are able to understand lossless and lossy compression techniques with different compression models and compression codes.	K1,K2
C-415.2	The students analyse to demonstrate the ability to interpret the mathematics behind different compression coding schemes.	K4
C-415.3	The students identify authentication requirements for network security with ability to evaluate and apply various compression functions and dictionary compression coding techniques.	K3,K5
C-415.4	The students interpret and create quantization model, uniform and non-uniform quantization with different scales.	K4, K6
C-415.5	The students are able to understand, compare and contrast various techniques of scalar and vector quantization and remember standards for various compression techniques.	K1, K2 , K4

Data Compression (RCS087): C-415**Year of Study: 2019– 20**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-415.1	3	3	3	3	2		2		2	2		2
C-415.2	3	3	3	3	2	2	2		2	2		2
C-415.3	3	2	3	3	2	2	2		2			
C-415.4	3	2	2	3	2	2	2		2	2		2
C-415.5	2	3	3	2	3	2	2		2			
C415	3	3	3	3	2	2	2		2	2		2

Data Compression (RCS087): C-415**Year of Study: 2019– 20**

CO	PSO1	PSO2
C-415.1	3	3
C-415.2	2	2
C-415.3	3	3
C-415.4	3	3
C-415.5	3	2
C-415	3	3

Seminar (RCS851): C-416

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-416.1	Students are able to focus on presentations in a variety of formats.	K1
C-416.2	Students understand the need of personality growth, development and communication skills.	K2
C-416.3	Students get skills like extrovert in nature to maintain better interpersonal relationship on the job and off the job.	K1, K2
C-416.4	Students acquire all round development to suit the industry needs.	K1, K2
C-416.5	Students develop the skill to explore latest happening in technology and survey on selected topics, addressing issues of science in society today.	K6

Seminar (RCS851): C-416

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-416.1		3		2	2		3	2	3	2	3	2
C-416.2		3		3	2		2		3	3	3	2
C-416.3		3		3	2		2	2	3	2	3	
C-416.4		3		3	3		3		3	3	3	2
C-416.5		3		2	2		2	2	3	3	3	2
C416		3		3	2		2	2	3		3	2

Seminar (RCS851): C-416

Year of Study: 2019– 20

CO	PSO1	PSO2
C-416.1	3	3
C-416.2	2	2
C-416.3		
C-416.4	3	3
C-416.5	3	3
C-416	3	3

Project (RCS852): C-417

Year of Study: 2019– 20

	Course Outcomes (CO)	Bloom's Knowledge Level (KL)
C-417.1	The students are able to work effectively in teams to accomplish a common goal.	K2
C-417.2	The students are able to develop the ability to communicate effectively with a wide range of audience.	K3,K5
C-417.3	The students acquire the knowledge to undertake technical, research tasks and ethical response responsibilities to develop a software or hardware product.	K1,K3,K4
C-417.4	The students apply the knowledge for developing a business plan for an entrepreneurial venture and its implementation.	K3,K6
C-417.5	The students develop the ability of self-learning and apply it in life- long learning.	K3,K6

Project (RCS852): C-417

Year of Study: 2019– 20

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-417.1			3	3	3	2			3	3	3	3
C-417.2									3	3	2	3
C-417.3	3	3	3	3	3	2		3	3	3	3	3
C-417.4	3	3	3	3	3		2	3	2	3	3	2
C-417.5	3	3	3	2	3		2		3		2	3
C417	3	3	3	3	3	2	2	3	3	3	3	3

Project (RCS852): C-417

Year of Study: 2019– 20

CO	PSO1	PSO2
C-417.1	3	2
C-417.2	2	3
C-417.3	3	3
C-417.4	3	3
C-417.5	3	3
C417	3	3

**Course Outcome Mapping With Program Outcome(PO) & Program Specific Outcome(PSO) –
Final Year (2019-20)**

Program Level Course –PO matrix of all Courses Final Year (2019-20)

C O	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C-401		2				1	1	1	1			2
C-402	3	3	2	3	3	2		2				2
C-403	3	2	3		3	2				3	2	2
C-404	2	2	3	3	3	3		3	3	3	3	3
C-405	3	2		3	3	3					2	2
C-406	3	3	3	3	3	3	2		2		3	3
C-407	3	3		3	3	3					2	2
C-408	3	3	3	3	3	3	2	1	2	2	3	3
C-409	2	2	3	2	3	3	3	3	3	3	3	2
C-410	3	3	3	3	3	2	2	3	3	3	3	3
C-411		2	2	2	2	2	2	2	1	2	3	2
C-412	3	3	2	3	3	3					2	2
C-413	3	3	2	2	3	2			1			2
C-414	3	3	2	3	3	3					2	2
C-415	3	3	3	3	2	2	2		2	2		2
C-416		3		3	2		2	2	3		3	2
C-417	3	3	3	3	3	2	2	3	3	3	3	3

Program Level Course –PSO matrix of all Courses Final Year (2019-20)

CO	PSO1	PSO2
C-401	3	3
C-402	3	2
C-403	3	3
C-404	3	3
C-405	3	3
C-406	3	3
C-407	3	2
C-408	3	3
C-409	2	2
C-410	3	3
C-411		2
C-412	3	2
C-413	3	3
C-414	3	3
C-415	3	3
C-416	3	3
C-417	3	3