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AIRPORT ROAD, KENJAR, MANGALORE - 574 142

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### **15 SCHEME - INFORMATION SCIENCE AND ENGINEERING**

MANAGEMENT AND ENTREPRENEURSHIP FOR IT INDUSTRY [As per Choice Based Credit System (CBCS) scheme]			
(Effective from the academic year 2016 -2017)			
	SEMESTER	$-\mathbf{V}$	
Subject Code	15CS51	IA Marks	20
Number of Lecture Hours/Week	4	Exam Marks	80
Total Number of Lecture Hours	50	Exam Hours	03
	CREDITS –	04	
Course outcomes: The students sho	Course outcomes: The students should be able to:		
• Define management, organization, entrepreneur, planning, staffing, ERP and outline their importance in entrepreneurship			
<ul> <li>Utilize the recources available</li> </ul>	a affactivaly thro	ugh FPD	

- Utilize the resources available effectively through ERP
- Make us of IPRs and institutional support in entrepreneurship

COMPUTER NETWORKS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)			
S	<u>SEMESTER – V</u>		
Subject Code	15CS52	IA Marks	20
Number of Lecture Hours/Week	4	Exam Marks	80
Total Number of Lecture Hours	50	Exam Hours	03
CREDITS – 04			
<b>Course outcomes:</b> The students should be able to:			
Explain principles of application layer protocols			
• Recognize transport layer services and infer UDP and TCP protocols			
• Classify routers, IP and Routing A	Algorithms in net	twork layer	

- Understand the Wireless and Mobile Networks covering IEEE 802.11 Standard
- Describe Multimedia Networking and Network Management



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#### DATABASE MANAGEMENT SYSTEM [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V

Subject Code	15CS53	IA Marks	20
Number of Lecture Hours/Week	4	Exam Marks	80
Total Number of Lecture Hours	50	Exam Hours	03
	CREDITS – 04		

**Course outcomes:** The students should be able to:

- Identify, analyze and define database objects, enforce integrity constraints on a database using RDBMS.
- Use Structured Query Language (SQL) for database manipulation.
- Design and build simple database systems
- Develop application to interact with databases.

AUTOMATA THEORY AND COMPUTABILITY			
[As per Choice Bas	sed Credit System	(CBCS) scheme]	
(Effective from	the academic yea	ur 2016 -2017)	
l l l l l l l l l l l l l l l l l l l	SEMESTER – V		
Subject Code	15CS54	IA Marks	20
Number of Lecture Hours/Week	4	Exam Marks	80
Total Number of Lecture Hours	50	Exam Hours	03
	<b>CREDITS – 04</b>		
Course outcomes: The students should b	be able to:		
• Acquire fundamental underst	anding of the core	e concepts in autom	ata theory and
Theory of Computation			
• Learn how to translate between different models of Computation (e.g.,			
Deterministic and Non-determ	ninistic and Softwar	re models).	
• Design Grammars and Auton	nata (recognizers)	for different langua	ge classes and
become knowledgeable about	restricted models	of Computation (Re	gular, Context
Free) and their relative powers	s.	1	
• Develop skills in formal reasoning and reduction of a problem to a formal model			
with an emphasis on semantic precision and conciseness			
<ul> <li>Classify a problem with respect to different models of Computation.</li> </ul>			



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SOCIAL NETWORK ANALYSIS			
[As per Choice Based Credit System (CBCS) scheme]			
(Effective from the academic year 2016 -2017) SEMESTER – V			
Subject Code	15IS552	IA Marks	20
Number of Lecture Hours/Week	03	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
	CREDITS –	03	
• Define notation and terminol	ogy used in netw	ork science.	
• Demonstrate, summarize and compare networks.			
• Explain basic principles behi	nd network analy	sis algorithms.	
Analyzing real world networ	k	-	

PROGRAMMING LANGAUGES [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V			
Subject Code	15IS554	IA Marks	20
Number of Lecture Hours/Week	3	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
CREDITS – 03			
<b>Course outcomes:</b> The students should be able to:			
Select appropriate languages for given applications			
• Demonstrate usage and justifi	ication of different	nt languages	

• Compare and contrast the strengths and weaknesses of different languages

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#### COMPUTER NETWORK LABORATORY [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V

Subject Code	15CSL57	IA Marks	20	
Subject Code	1900197	in i murko	20	
Number of Lecture Hours/Week	01I + 02P	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
Total Humber of Electric Hours	10	Exam nouis	05	
CDEDITS 02				
CREDITS = 02				
<u> </u>				
<b>Course outcomes:</b> The students should be	be able to:			

Analyze and Compare various networking protocols.

- Demonstrate the working of different concepts of networking.
- Implement, analyze and evaluate networking protocols in NS2 / NS3

### ADVANCED JAVA AND J2EE [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V

Subject Code	15CS553	IA Marks	20
Number of Lecture Hours/Week	3	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
CREDITS – 03			

**Course outcomes:** The students should be able to:

- Interpret the need for advanced Java concepts like enumerations and collections in developing modular and efficient programs
- Build client-server applications and TCP/IP socket programs
- Illustrate database access and details for managing information using the JDBC API
- Describe how servlets fit into Java-based web application architecture
- Develop reusable software components using Java Beans



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### DBMS LABORATORY WITH MINI PROJECT [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – V

Subject Code	15CSL58	IA Marks	20	
-				
Number of Lecture Hours/Week	01I + 02P	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 02				
Course outcomes: The students should be able to:				
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- Create, Update and query on the database.
- Demonstrate the working of different concepts of DBMS
- Implement, analyze and evaluate the project developed for an application.

### CRYPTOGRAPHY, NETWORK SECURITY AND CYBER LAW

LAS per Choice	Dased Credit 3	system (CD)	(S) scheme
(Effective from the	academic vear	2016 -2017	) SEMESTER –

·	
VI	

	V I			
Subject Code	15CS61	IA Marks	20	
Number of Lecture Hours/Week	4	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				
Course outcomes: The students should be able to:				

- Discuss cryptography and its need to various applications
- Design and develop simple cryptography algorithms
- Understand cyber security and need cyber Law

#### FILE STRUCTURES [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)

### SEMESTER – VI

SEIVIESTER – VI					
Subject Code	15IS62	IA Marks	20		
Number of Lecture Hours/Week	4	Exam Marks	80		
Total Number of Lecture Hours	50	Exam Hours	03		
	CREDITS – 04				

### **Course outcomes:** The students should be able to:

- Choose appropriate file structure for storage representation.
- Identify a suitable sorting technique to arrange the data.
- Select suitable indexing and hashing techniques for better performance to a given problem.

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#### **SOFTWARE TESTING** [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER - V

Subject Code	15IS63	IA Marks	20	
Number of Lecture Hours/Week	4	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				

Course outcomes: The students should be able to:

- Derive test cases for any given problem
- Compare the different testing techniques
- Classify the problem into suitable testing model
- Apply the appropriate technique for the design of flow graph.
- Create appropriate document for the software artefact.

OPERATING SYSTEMS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VI				
Subject Code	15CS64	IA Marks	20	
Number of Lecture Hours/Week	Number of Lecture Hours/Week4Exam Marks80			
Total Number of Lecture Hours50Exam Hours03				
CREDITS – 04				
Course outcomes: The students should be able to:				
• Demonstrate need for OS and different types of OS				
• Apply suitable techniques for management of different resources				
• Use processor, memory, storag	ge and file syste	em commands		

Realize the different concepts of OS in platform of usage through case studies

### DATA MINING AND DATA WAREHOUSING [As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2016 -2017)

### **SEMESTER - VI**

Subject Code	15CS651	IA Marks	20		
Number of Lecture Hours/Week	3	Exam Marks	80		
Total Number of Lecture Hours	40	Exam Hours	03		
CREDITS – 03					
<b>Course outcomes:</b> The students should be able to:					

- Identify data mining problems and implement the data warehouse
  - Write association rules for a given data pattern.
  - Choose between classification and clustering solution.



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SYSTEM SOFTWARE [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VI			
Subject Code	15IS652	IA Marks	20
Number of Lecture Hours/Week	3	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
CREDITS – 03			
Total Number of Lecture Hours     40     Exam Hours     03       CREDITS – 03			

**Course outcomes:** The students should be able to:

- Explain system software such as assemblers, loaders, linkers and macro processors
- Design and develop lexical analyzers, parsers and code generators
- Utilize lex and yacc tools for implementing different concepts of system software

#### OPERATIONS RESEARCH r Choice Based Credit System (CBCS) so

[As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)

### SEMESTER – VI

Subject Code	15CS653	IA Marks	20
Number of Lecture Hours/Week	3	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
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### CREDITS – 03

**Course outcomes:** The students should be able to:

- Select and apply optimization techniques for various problems.
- Model the given problem as transportation and assignment problem and solve.
- Apply game theory for decision support system.

#### DISTRIBUTED COMPUTING SYSTEM [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VI

I otal Number of Lecture Hours	40 CDEDITS 03	Exam Hours	03
	40	г п	02
Number of Lecture Hours/Week	3	Exam Marks	80
Subject Code	15CS654	IA Marks	20
Subject Code	1508654	IA Marks	20

**Course outcomes:** The students should be able to:

- Explain the characteristics of a distributed system along with its and design challenges
- Illustrate the mechanism of IPC between distributed objects
- Describe the distributed file service architecture and the important characteristics of SUN NFS.
- Discuss concurrency control algorithms applied in distributed transactions

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### FILE STRUCTURES LABORATORY WITH MINI PROJECT [As per Choice Based Credit System (CBCS) scheme](Effective from the academic year 2016 -2017) SEMESTER - VI

Subject Code	15ISI 68	IA Marks	20	
Subject Code	1515200	in i marko	20	
Number of Lecture Hours/Week	01I + 02P	Exam Marks	80	
I tumber of Electure Hours, week	011 + 021	Exam Marks	00	
Total Number of Lecture Hours	40	Exam Hours	03	
Total Number of Lecture Hours	40	Exam Hours	05	
	CREDITS = 02			

Course outcomes: The students should be able to:

- Implement operations related to files
- Apply the concepts of file system to produce the given application.
- Evaluate performance of various file systems on given parameters.

### SOFTWARE TESTING LABORATORY [As per Choice Based Credit System (CBCS) scheme](Effective from the academic year 2016 -2017) SEMESTER – VI

Subject Code	15ISL67	IA Marks	20
Number of Lecture Hours/Week	01I + 02P	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
	CREDITS – 02		

Course outcomes: The students should be able to:

- List out the requirements for the given problem
- Design and implement the solution for given problem in any programming language(C,C++,JAVA)
- Derive test cases for any given problem
- Apply the appropriate technique for the design of flow graph.
- Create appropriate document for the software artefact.



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#### WEB TECHNOLOGY AND ITS APPLICATIONS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

Subject Code	15CS71	IA Marks	20	
Number of Lecture Hours/Week	04	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				

Course Outcomes: After studying this course, students will be able to

- Adapt HTML and CSS syntax and semantics to build web pages.
- Construct and visually format tables and forms using HTML and CSS
- Develop Client-Side Scripts using JavaScript and Server-Side Scripts using PHP to generate and display the contents dynamically.
- Appraise the principles of object oriented development using PHP
- Inspect JavaScript frameworks like jQuery and Backbone which facilitates developerto focus on core features.

### SOFTWARE ARCHITECTURE AND DESIGN PATTERNS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

Course outcomes: The students should be able to:

- Design and implement codes with higher performance and lower complexity
- Be aware of code qualities needed to keep code flexible
- Experience core design principles and be able to assess the quality of a design with respect to these principles.
- Capable of applying these principles in the design of object-oriented systems.
- Demonstrate an understanding of a range of design patterns. Be capable of comprehending a design presented using this vocabulary.
- Be able to select and apply suitable patterns in specific contexts



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MACHINE LEARNING				
[As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)				
SEMESTER – VII				
Subject Code	15CS73	IA Marks	20	
Number of Lecture Hours/Week	03	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				
Course Outcomes: After studying this course, students will be able to				
• Identify the problems for machine learning. And select the either supervised, unsupersvised or reinforcement learning.				

- Explain theory of probability and statistics related to machine learning
- Investigate concept learning, ANN, Bayes classifier, k nearest neighbor, Q,

### NATURAL LANGUAGE PROCESSING

[As per Choice Based Credit System (CBCS) scheme]

#### (Effective from the academic year 2016 -2017)

SEMESTER -	– VII	

Number of Lecture Hours/Week	3	Evam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
	CDEDITS 03		•

#### CREDITS – 03

**Course outcomes:** The students should be able to:

- Analyze the natural language text.
- Generate the natural language.
- Do Text mining.
- Apply information retrieval techniques.

#### CLOUD COMPUTING AND ITS APPLICATIONS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

Subject Code	15CS742	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
	CREDITS – 03			

### Course outcomes: The students should be able to:

- Explain cloud computing, virtualization and classify services of cloud computing
- Illustrate architecture and programming in cloud
- Describe the platforms for development of cloud applications and List the application of cloud.

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#### INFORMATION AND NETWORK SECURITY [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)

#### SEMESTER – VII

Subject Code	15CS743	IA Marks	20		
Number of Lecture Hours/Week	3	Exam Marks	80		
Total Number of Lecture Hours	40	Exam Hours	03		
CREDITS – 03					
<b>Course outcomes:</b> The students should be able to:					

- Analyze the Digitals security lapses
- Illustrate the need of key management

### UNIX SYSTEM PROGRAMMING

[As per Choice Based Credit System (CBCS) scheme]

(Effective from the academic year 2016 -2017)

S	SEMESTER -	– VII	

Subject Code	15CS744	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	

**Course outcomes:** The students should be able to:

• Ability to understand and reason out the working of Unix Systems

• Build an application/service over a Unix system.

#### SOFT AND EVOLUTIONARY COMPUTING [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

SENIESTER – VII				
Subject Code	15CS751	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 03				
<b>Course outcomes:</b> The students should be able to:				

• Understand soft computing techniques

- Apply the learned techniques to solve realistic problems
- Differentiate soft computing with hard computing techniques



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### COMPUTER VISION AND ROBOTICS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

Subject Code	15CS752	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 03				

**Course outcomes:** The students should be able to:

- Implement fundamental image processing techniques required for computer vision
- Perform shape analysis
- Implement boundary tracking techniques
- Apply chain codes and other region descriptors
- Apply Hough Transform for line, circle, and ellipse detections.
- Apply 3D vision techniques.
- Implement motion related techniques.
- Develop applications using computer vision techniques.

### INFORMATION MANAGEMENT SYSTEM [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII

Subject Code	15IS753	IA Marks	20	
Number of Lecture Hours/Week	4	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 03				

Course outcomes: The students should be able to:

- Describe the role of information technology and information systems in business
- Record the current issues of information technology and relate those issues to the firm.
- Interpret how to use information technology to solve business problems

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STORAGE AREA NETWORKS [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VII				
Subject Code	15CS754	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
	CREDITS – 0	3		

**Course outcomes:** The students should be able to:

- Identify key challenges in managing information and analyze different storage networking technologies and virtualization
- Explain components and the implementation of NAS
- Describe CAS architecture and types of archives and forms of virtualization
- Ilustrate the storage infrastructure and management activities

#### MACHINE LEARNING LABORATORY [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)SEMESTER – VII

Subject Code	15CSL76	IA Marks	20
Number of Lecture Hours/Week	011 + 02P	Exam Marks	80
Total Number of Lecture Hours	40	Exam Hours	03
	CREDITS – 02		

**Course outcomes:** The students should be able to:

- 1. Understand the implementation procedures for the machine learning algorithms.
- 2. Design Java/Python programs for various Learning algorithms.
- 3. Apply appropriate data sets to the Machine Learning algorithms.
- 4. Identify and apply Machine Learning algorithms to solve real world problems.

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### WEB TECHNOLOGY LABORATORY WITH MINI PROJECT [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)

SEMESTER – VII				
Subject Code	15CSL77	IA Marks	20	
Number of Lecture Hours/Week	01I + 02P	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 02				
Course outcomes: The students should be able to:				
• Design and develop dynamic web pages with good aesthetic sense of designing				

- Design and develop dynamic web pages with good aesthetic sense of designing and latest technical know-how's.
  - Have a good understanding of Web Application Terminologies, Internet Tools other web services.
  - Learn how to link and publish web sites

INTERNET OF THINGS TECHNOLOGY [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VIII				
Subject Code	15CS81	IA Marks	20	
Number of Lecture Hours/Week	04	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				

Course Outcomes: After studying this course, students will be able to

- Interpret the impact and challenges posed by IoT networks leading to new architectural models.
- Compare and contrast the deployment of smart objects and the technologies to connect them to network.
- Appraise the role of IoT protocols for efficient network communication.
- Elaborate the need for Data Analytics and Security in IoT.
- Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry



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	BIG DATA ANA	LYTICS		
	[As per Choice Based Credit System (CBCS) scheme]			
	(Effective from the academ	ic year 2016 -2017)		
	SEMESTER	– VIII		
P	15CS82	IA Marks	20	

Subject Code	15CS82	IA Marks	20	
Number of Lecture Hours/Week	4	Exam Marks	80	
Total Number of Lecture Hours	50	Exam Hours	03	
CREDITS – 04				

Course outcomes: The students should be able to:

- Master the concepts of HDFS and MapReduce framework
- Investigate Hadoop related tools for Big Data Analytics and perform basic Hadoop Administration
- Recognize the role of Business Intelligence, Data warehousing and Visualization in decision making
- Infer the importance of core data mining techniques for data analytics
- Compare and contrast different Text Mining Techniques

GH PERFORMANCE COMPUTING [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VIII				
Subject Code	15CS831	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
CREDITS – 03				
Course outcomes: The students should be able to:				

- Illustrate the key factors affecting performance of CSE applications, and
- Make mapping of applications to high-performance computing systems, and
- Apply hardware/software co-design for achieving performance on real-world applications

INTERFACE DESIGN [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VIII				
Subject Code	15IS832	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
	CREDITS – (	03		
Course outcomes: The students should	ld be able to:			
Design the user interface, design connection between menu and	n, menu creation an windows	d windows creation and		



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VIRTUAL REALITY				
[As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)				
Subject Code	1515855	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
	CREDITS –	03		
Course outcomes: The students sho	uld be able to:			
• Illustrate technology, underly	ying principles, it	s potential and limits a	nd to learn about	
the criteria for defining useful	l applications.			
• Explain process of creating v	rirtual environme	nts		
SYSTEM M	ODELLING AN	D SIMULATION		
[As per Choice]	Based Credit Sy	stem (CBCS) scheme]		
(Effective fr	om the academi	c year 2016 -2017)		
	SEMESTER –	VIII		
Subject Code	15CS834	IA Marks	20	
Number of Lecture Hours/Week	3	Exam Marks	80	
Total Number of Lecture Hours	40	Exam Hours	03	
	CREDITS -	03		
Course outcomes: The students sho	uld be able to:			
• Explain the system concept a	and apply function	nal modeling method to	o model the	
activities of a static system		-		
• Describe the behavior of a d	ynamic system ar	nd create an analogous	model for a	
dynamic system;	-	-		
• Simulate the operation of a c	lynamic system a	nd make improvement	according to the	
simulation results.				

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#### INTERNSHIP / PROFESSIONAL PRACTISE As nor Choice Based Credit System (CBCS) scheme

[As per Choice Based Credit System (CBCS) scheme]

#### (Effective from the academic year 2016 -2017) SEMESTER – VIII

SEIVLESTER – VIII				
Subject Code	15CS84	IA Marks	50	
Duration	4 weeks	Exam Marks	50	
		Exam Hours	03	
CREDITS – 02				
Course objectives: This course will en	nable students to			

### **PROJECT WORK PHASE II**

[As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017)

### SEMESTER – VIII

Subject Code	15CSP85	IA Marks	100	
Number of Lecture Hours/Week	06	Exam Marks	100	
Total Number of Lecture Hours		Exam Hours	03	
CREDITS – 05				
Course objectives: This course will enable students to				

SEMINAR [As per Choice Based Credit System (CBCS) scheme] (Effective from the academic year 2016 -2017) SEMESTER – VIII					
Subject Code	15CSS86	IA Marks	100		
Number of Lecture Hours/Week	04	Exam Marks			
Total Number of Lecture HoursExam Hours					
CREDITS – 02					
Course objectives: This course will enable students to					