"Dissemination of Education for Knowledge, Science and Culture" -Shikshanmaharshi Dr. Bapuji Salunkhe

Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

Department of Computer Science

M.ScII Computer Science (Implemented from June 2024)		
SEMESTER – III		
DSC-V (DSC19CSC31): Mobile Application Development with Flutter		
Course	Students will able to	
Outcomes:		
CO1:	Understand the core concepts and architecture of Flutter and understanding Dart.	
CO2:	Apply Flutter widgets and layout mechanisms to build interactive and responsive user interfaces.	
CO3:	Analyze and integrate backend services and databases using Flutter, Firebase, and SQLite.	
CO4:	Design, develop, test, and deploy complete Flutter applications.	
DSC-VI (DSC19CSC32): Artificial Intelligence		
Course	Students will able to	
Outcomes:	100	
CO1:	Become familiar with basic principles of AI toward problem solving, inference, perception, knowledge representation, and learning.	
CO2:	Investigate applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.	
CO3:	Explore the current scope, potential, limitations, and implications of intelligent systems.	
CO4:	Apply their knowledge to real-world problems using AI trends and will be able address challenges in applications and provide solutions.	
DSE-III (DSE19CSC31): Cyber Security		
Course	Students will able to	
Outcomes:		
CO1:	Analyze and evaluate the cyber security needs.	
CO2:	Understand types of vulnerabilities.	
CO3:	Implement cyber security solutions, information assurance, and cyber security tools software/tools.	
CO4:	Comprehend and execute risk management processes, risk treatment methods in order to mitigate the security risk.	
DSE-III (DSE19CSC32): Cloud Computing		
Course Outcomes:	Students will able to	
CO1:	Identify and describe the key concepts, service models, and deployment models of cloud computing	



CO2:	Explain the hands-on implementation of cloud services and applications,
	including security practices and resource management techniques
CO3 :	Alialyze various architectural natterns for cloud computing galatian and
CO4:	evaluate titelf effectiveness in addressing specific business needs
CO4:	Design and propose a comprehensive cloud computing solution for a size
	requirement, integrating concepts from all three modules and documenting the
	dienticeture, technologies, and implementation strategies
Course	DSE-III (DSE19CSC33): Human Computer Interaction Students will able to
Outcomes:	Students will able to
CO1:	List and describe the core concepts and theories of Human-Computer
	Interaction, including historical perspectives and human cognitive processes.
CO2:	Explain the principles of user-centered design and the significance of montal
	models in the design of interactive systems.
CO3:	Analyze various user research methods and evaluate their effectiveness in
	informing design decisions and improving usability
CO4:	Explain the principles of user-centered design and the significance of montal
	models in the design of interactive systems.
	SEMESTER – IV
	DSC-VII (DSC19CSC41): Software Project Management
Course	Students will able to
Outcomes:	
CO1:	Understand the fundamentals of software project management.
CO2:	Study with the different methods and techniques used for any in
CO4:	Onderstand different techniques of project monitoring control and
C04.	riphly project management practices tools and risks astimation to 1
Course	DSC-VIII (DSC19CSC42): Natural Language Processing Students will able to
Outcomes:	Students will able to
CO1:	Understand the automated Natural Language Generation and Machine
~ ~ ~ .	Translation.
CO2:	Explore the student with knowledge of various levels of analysis involved in
	TIDI.
CO3:	Analyze the semantic analysis of natural language.
CO4:	Apply their knowledge for language generation and discourse and discours
	DSC-IX (DSC19CSC43): Cryptography and Network Sonwitzer
Course	Students will able to
Outcomes:	
CO1:	Provide deep understanding of basics of Cryptography
CO2:	Learn and understand various approaches of Engage to the stand various approaches of Engage to the standard various approaches of the standard var
CO3:	
CO3:	Understand various protocols for network security to protocol
CO4:	
CO4;	Apply and design cryptography techniques to secure the communication and
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	work over the network.	
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DSE-IV (DSE19CSC41): Remote Sensing and GIS		
Course	Students will able to	
Outcomes:		
CO1:	To know about basic concepts of remote sensing, sensors & types, elements	
	involved, terminology & units energy resources and basic concepts, principles	
	of working properties of remote sensing.	
CO2:	Become familiar with the history, characteristics of satellite missions, and	
	recent advancements in remote sensing technology.	
CO3:	Understand the geographical information system and its fundamental	
CO4:	Apply the knowledge of RS and GIS in data analysis	
DSE-IV (DSE19CSC42): Decision Support Systems		
Course	Students will able to	
Outcomes:	L. CD.	
CO1:	Identify and describe the key components and characteristics of Decision	
	Support Systems (DSS), including the phases of the decision-making process	
	and the subsystems of DSS.	
CO2:	Explain the traditional system development life cycle and alternative	
	development methodologies for Decision Support Systems, including the	
	significance of prototyping and change management.	
CO3:	Analyze various approaches to knowledge management and evaluate the	
	effectiveness of different types of expert systems in addressing specific	
	problem areas.	
CO4:	Design and develop a prototype of a Decision Support System or an expert	
	system for a specific application, incorporating relevant components and	
	methodologies discussed in the course.	
	DSE-IV (DSE19CSC43): Python for Data Analytics	
Course	Students will able to	
Outcomes:		
CO1:	Apply Descriptive Statistics for Data Summarization and Analysis.	
CO2:	Analyze Correlation and Time Series Data.	
CO3:	Evaluate Hypothesis Tests and Statistical Inferences.	
CO4:	Create and Assess Regression Models for Predictive Analysis.	



CO-ORDINATOR
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