Akole Taluka Education Society's

TECHNICAL CAMPUS AKOLE

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COURSE OUTCOMES (MCA PATTERN 2020)

YEAR	COURSE CODE	COURSE NAME	COURSE OUTCOME NO.	COURSE OUTCOMES
SEMESTER II				
FIRST YEAR (SEM-II , TERM-II)	IT21	Python Programming	CO1	Understand Demonstrate the concepts of python and modular programming. (Understand)
			CO2	Apply the concepts of concurrency control in python (Apply)
			CO3	Solve the real-life problems using object-oriented concepts and python libraries (Apply)
			CO4	Demonstrate the concept of IO, Exception Handling, database (Apply)
			CO5	Analyze the given dataset and apply the data analysis concepts and data visualization. (Analyze)
	IT22	Software Project Management	CO1	Understand the process of Software Project Management Framework and Apply estimation techniques. (Apply)
			CO2	Learn the philosophy, principles and lifecycle of an agile project. (Understand)
			CO3	Demonstrate Agile Teams and Tools and Apply agile project constraints and trade-offs for estimating project size and schedule (Apply)
			CO4	Explain Project Tracking and Interpretation of Progress Report (Understand)
			CO5	Analyze Problem statement and evaluate User Stories (Analyze)
	MT21	Optimization Techniques	CO1	Understand the role and principles of optimization techniques in business world (Understand)
			CO2	Demonstrate specific optimization technique for effective decision making (Apply)
			CO3	Apply the optimization techniques in business environments (Apply)
			CO4	Illustrate and infer for the business scenario (Analyze)
			CO5	Analyze the optimization techniques in strategic planning for optimal gain. (Analyze)
	IT23	Advanced Internet Technologies	CO1	Outline the basic concepts of Advance Internet Technologies (Understand)
			CO2	Design appropriate user interfaces and implements webpage based on given problem Statement (Apply)
			CO3	Implement concepts and methods of NodeJS (Apply)
			CO4	Implement concepts and methods of Angular (Apply)
			CO5	Build Dynamic web pages using server-side PHP programming with Database Connectivity (Apply)
			CO1	Describe the core concepts of DBMS and various databases used in real applications (Understand)

	IT24	Advanced DBMS	CO2	Design relational database using E-R model and normalization (Apply)
			CO3	Demonstrate XML database and nonprocedural structural query languages for data access (Apply)
			CO4	Explain concepts of Parallel, Distributed and Object-Oriented Databases and their applications (Understand)
			CO5	Apply transaction management, recovery management, backup and security – privacy concepts for database applications (Apply)
	IT21L	Practicals	CO1	implement python programming concepts for solving real life problems. (Apply)
			CO2	Implement Advanced Internet Technologies (Apply)
	ITC21	Mini Project	CO1	Create working project using tools and techniques learnt in this semester (Create)