

## M. Sc COMPUTER SCIENCE–II SEM-I

### I) Software Metrics & Project Management (CORE)

CO1	Software Metrics and Project Management covers skills that are required to ensure
CO2	Successful medium and large scale software projects.
CO3	It examines Requirements Elicitation, Project Management, Verification and Validation

### II) Mobile Computing (CORE)

CO1	To familiarize the students with the buzz words and technology of mobile Communication
CO2	To understand the GSM architecture

### III) Soft Computing (CORE)

CO1	To understand the concepts of how an intelligent system work and its brief development process.
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### IV) Web Service s(ELECTIVE)

CO1	To Understand Web Services and implementation model for SOA
CO2	To Understand the SOA, its Principles and Benefits
CO3	To Understand cloud computing as a web service

### V) Database and System Administrator (ELECTIVE)

CO1	To acquire a combination of both Operating Systems & Database Administration skills.
CO2	SDBA program gives you ideal opportunity to practice what you have learned through

#### VI) Functional Programming(ELECTIVE)

CO1	To Understand what functional programming is, what different variants are there and have some grasp of their history;
CO2	To explain the semantics of different functional languages using precise formal specifications;
CO3	Know how to implement functional languages and what optimizations are important;
CO4	To be able to state and critique what it means for an implementation of a functional programming language to be correct
CO5	To be able to (in principle) formally prove correctness of their implementations, including their compilers and garbage collectors

#### VII) Business Intelligence(ELECTIVE)

<b>CO1</b>	To understand the role of BI in enterprise performance management and decision support.
<b>CO2</b>	To understand the applications of data mining and intelligent systems in managerial work.
<b>CO3</b>	To understand data warehousing and online analytical processing (OLAP) concepts

## M. Sc COMPUTER SCIENCE-II SEM -II

### COURSE OUTCOME

#### I) Full Time Industrial Training/ Industrial Project(CORE)

CO1	To Implement of Computer languages on Live Project
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#### II) Parallel Computing (ELECTIVE)

CO1	To Learn basic models of parallel machines and tools
CO2	How to parallelize programs and how to use basic tools like MPI and POSIX threads.

#### III) Embedded System (ELECTIVE)

CO1	To understand and design embedded systems and real-time systems
CO3	To apply real-time systems design techniques to various software programs

#### IV) Software Quality Assurance (ELECTIVE)

CO1	To enable student to learn Software Quality Assurance good practices with the help of various techniques, Strategies and tools
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#### V) Modeling and Simulation (ELECTIVE)

CO1	To provide students with an opportunity to develop skills in modeling and simulating a variety of problems.
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