

Mapping
of
Course Outcomes
With
Program Outcomes
M.Tech.(2014 Scheme)

Subject Name: Software Engineering Methodologies
Subject Code: MTCS501

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | 3 | | |
| CO2 | 3 | | | | 3 | |
| CO3 | | | | 3 | | 3 |
| CO4 | 2 | 2 | | | | |
| CO5 | | | | 2 | | 2 |
| CO6 | | | | | 1 | |

Subject Name: Databases and Data Mining
Subject Code: MTCS-502

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | 3 | | |
| CO2 | 2 | | | | | |
| CO3 | 2 | | | | | 2 |
| CO4 | | 2 | | | | |
| CO5 | | | 1 | | 1 | |
| CO6 | | 3 | | | | 3 |

Subject Name: Advanced Data Structures
Subject Code: MTCS-503

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | 3 | | |
| CO2 | | | 2 | | | 2 |
| CO3 | 1 | | | | | 1 |
| CO4 | | 2 | | | 2 | |
| CO5 | | | 3 | | 3 | |
| CO6 | 3 | | | 3 | | |

Subject Name: Distributing Computing Architecture
Subject Code: MTCS-504

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | | | | |
| CO2 | | | 3 | 3 | | |
| CO3 | 2 | | | | | 2 |
| CO4 | 2 | | 2 | | | |
| CO5 | | 2 | | 2 | | |
| CO6 | | 3 | | | 3 | |

Subject Name: Digital Image Processing
Subject Code: MTCS-505

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | 2 | | |
| CO2 | | | 3 | | 3 | |
| CO3 | 3 | | | | 3 | |
| CO4 | 3 | | | | | 3 |
| CO5 | 2 | | | | | 2 |
| CO6 | 2 | | | 2 | | |

Subject Name: Information Retrieval
Subject Code: MTCS506

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | |
| CO2 | | 2 | 2 | | | |
| CO3 | 2 | | | | | |
| CO4 | | | | | 2 | |
| CO5 | | | | 3 | | |
| CO6 | | | | | | 3 |

Subject Name: Software Engineering Methodologies Laboratory
Subject Code: MTCS507

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | 3 | | |
| CO2 | 3 | | | | 3 | |
| CO3 | 3 | | | | | 3 |
| CO4 | | 1 | | | | |
| CO5 | | | | 2 | | |
| CO6 | | | | 2 | | 2 |

Subject Name: Advanced Data Structures Laboratory
Subject Code: MTCS507

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | 2 | | |
| CO2 | | | 3 | | 3 | |
| CO3 | | 2 | | | 2 | |
| CO4 | 2 | | | | | 2 |
| CO5 | | | 2 | | 2 | |
| CO6 | | 3 | | | | 3 |

Subject Name: Digital Image Processing Laboratory

Subject Code: MTCS508

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | | 3 | |
| CO2 | | 3 | | | | |
| CO3 | | | | 3 | | |
| CO4 | 3 | | | | 3 | |
| CO5 | | 3 | | | | |

Subject Name: Information Retrieval Laboratory

Subject Code: MTCS508

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | 3 |
| CO2 | | 3 | | | | |
| CO3 | 3 | | | 3 | | |
| CO4 | 3 | | | | | 3 |

Subject Name: Network Security Theory

Subject Code: MTCS601

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | | | |
| CO2 | | | 3 | | 2 | |
| CO3 | | 2 | | 3 | | |
| CO4 | 2 | | | 2 | | |
| CO5 | | | 3 | | | 2 |

Subject Name: Ad-hoc Networks

Subject Code: MTCS602

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | 3 | |
| CO2 | | 2 | | 2 | | |
| CO3 | | | 2 | | | 2 |
| CO4 | 1 | | | 1 | | |
| CO5 | | 3 | | | | 3 |
| CO6 | | | 3 | | 3 | |

Subject Name: Wireless Networks
Subject Code: MTCS603

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 1 | | 1 | | | |
| CO2 | | 2 | | | | 2 |
| CO3 | 2 | | 2 | | | |
| CO4 | 2 | | | | 2 | |
| CO5 | | | | 2 | | 2 |
| CO6 | 2 | | | 2 | | |

Subject Name: Parallel Computing
Subject Code: MTCS604

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | 3 | | 3 | |
| CO2 | 2 | | | 2 | | |
| CO3 | 3 | | | | | 3 |
| CO4 | | | 3 | | | 3 |
| CO5 | 2 | | | | | 2 |

Subject Name: Cloud Computing
Subject Code: MTCS605

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | 3 | | | |
| CO2 | 3 | | | | | |
| CO3 | | | 3 | | | |
| CO4 | 2 | | | | | |
| CO5 | | | | | 1 | |
| CO6 | | | 3 | | | 3 |

Subject Name: Big Data Analytics
Subject Code: MTCS606

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | 2 | | 2 | | |
| CO2 | 3 | | | | | |
| CO3 | | | 3 | | | |
| CO4 | | | | | 3 | 3 |
| CO5 | | | | | 3 | |
| CO6 | 2 | | | | | |

Subject Name: Advanced Operating System

Subject Code: MTCS607

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | 2 | | | |
| CO2 | 2 | | | | 2 | |
| CO3 | | | 3 | | | |
| CO4 | | 2 | | | | |
| CO5 | 2 | | | 2 | | |
| CO6 | | 3 | | | | 3 |

Subject Name: Object Oriented Analysis and Design Using UML

Subject Code: MTCS608

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | | 2 | |
| CO2 | | 3 | | | | 3 |
| CO3 | 3 | | | 3 | | |
| CO4 | | | 3 | | | 3 |
| CO5 | | 3 | | | | |
| CO6 | | 2 | 2 | | | |

Subject Name: Software Testing and Quality Assurance

Subject Code: MTCS609

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | |
| CO2 | 3 | | | | 3 | |
| CO3 | | | | | | 2 |
| CO4 | 3 | | | | | 3 |
| CO5 | | | | | 1 | |
| CO6 | | | | 2 | | |

Subject Name: Compiler Design

Subject Code: MTCS610

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | 3 | | |
| CO2 | | 3 | | | | 3 |
| CO3 | | 2 | | | | 2 |
| CO4 | | | | 2 | | |
| CO5 | 3 | | | | 3 | |
| CO6 | 2 | | 2 | | | |

Subject Name: Pattern Recognition
Subject Code: MTCS611

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | 3 | | |
| CO2 | | | 2 | | 2 | |
| CO3 | | 3 | | | 3 | |
| CO4 | | | 3 | | | 3 |
| CO5 | 2 | | | 2 | | |
| CO6 | | 1 | | | | 1 |

Subject Name: Machine Learning
Subject Code: MTCS612

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | 3 | | |
| CO2 | 3 | | | | 3 | |
| CO3 | | | | | | |
| CO4 | | | | | 2 | |
| CO5 | 3 | | | | 3 | |
| CO6 | | | 2 | | | 2 |

Subject Name: Bioinformatics
Subject Code: MTCS-613

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | 2 | | |
| CO2 | | | 3 | | 3 | |
| CO3 | | 3 | | | | 3 |
| CO4 | 3 | | | | | 3 |
| CO5 | | 2 | | | 2 | |
| CO6 | | | 1 | 1 | | |

Subject Name: Soft Computing

Subject Code: MTCS614

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | 3 | | | 3 | |
| CO2 | | | | 3 | | 3 |
| CO3 | 2 | | | | 2 | |
| CO4 | | | 3 | | | 3 |
| CO5 | 1 | | 1 | | | |
| CO6 | | 2 | | 2 | | |

Subject Name: Natural Language Processing

Subject Code: MTCS615

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | 2 | | 2 | |
| CO2 | 2 | | | | | 2 |
| CO3 | | | 3 | | 3 | |
| CO4 | 2 | | | | 2 | |
| CO5 | 3 | | | 3 | | |
| CO6 | | | 3 | 3 | | |

Subject Name: Speech Processing

Subject Code: MTCS616

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | | 2 | 2 |
| CO2 | | | | | 3 | |
| CO3 | 3 | | | 3 | | |
| CO4 | | 3 | | | 3 | |
| CO5 | | | 3 | | | 3 |

Subject Name: Research Methodology

Subject Code: MTCS617

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | 3 |
| CO2 | | 2 | | | 2 | |
| CO3 | 3 | | 3 | 3 | | |
| CO4 | | 2 | | | | 2 |
| CO5 | 3 | | 3 | 3 | | |
| CO6 | | 3 | | | | 3 |

Subject Name: Optimization Techniques
Subject Code: MTCS618

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | | | | 3 | | |
| CO2 | | | | | 2 | |
| CO3 | 3 | | | | | |
| CO4 | | | | | | 2 |
| CO5 | | 3 | | | | |
| CO6 | | | | | 3 | |

Subject Name: Modeling and Simulation
Subject Code: MTCS619

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | |
| CO2 | | | | | 3 | |
| CO3 | | | 3 | | | |
| CO4 | | | | | | 1 |
| CO5 | | | | | | 3 |
| CO6 | | | | | 2 | 2 |

Subject Name: Neural Networks and Fuzzy Logic
Subject Code: MTS620

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | |
| CO2 | | | | | 3 | |
| CO3 | | | | | 3 | |
| CO4 | | | | 3 | | |
| CO5 | | | 2 | | | |
| CO6 | 1 | | | | | 1 |

Subject Name: Project Management

Subject Code: MTCS621

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 2 | | | | | 2 |
| CO2 | | 3 | | | | |
| CO3 | | | | | 3 | |
| CO4 | | 2 | | | | 2 |
| CO5 | 3 | | | | | |
| CO6 | | | 3 | | | |

Subject Name: Human Resources Development and Training Methods

Subject Code: MTCS622

| CO/PO | PO1 | PO2 | PO3 | PSO1 | PSO2 | PSO3 |
|-------|-----|-----|-----|------|------|------|
| CO1 | 3 | | | | | 3 |
| CO2 | | 3 | | 3 | | |
| CO3 | | 2 | | | 2 | |
| CO4 | | | 1 | | | 1 |
| CO5 | 2 | | | 2 | | |
| CO6 | | | 3 | | 3 | |