



AJ INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Laxmi Memorial Education Trust

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)

NH-66, Kottara Chowki, Mangaluru, Karnataka 575006

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AJIET/CS/MJP/2020-21

Date:19/10/2020

CIRCULAR

Dear Students, we are excited to announce the Major Project Program for the 8th semester. This program offers you the opportunity to showcase your technical knowledge.

Eligible students can apply by submitting their Major Project proposals for approval. Successful Project ideas may earn academic credit, and each student will receive faculty supervision and assessment.

For more details, contact Major Project Coordinator.

Course Name: Project Work Phase-1

Course Code: 17CSP78

Credits: 2

H.O.D. - Computer Science & Engineering
A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangaluru - 575 006, D.K., Karnataka

Copy to,

1.LMET-Vice President, AJIET

2.Office-AJIET

A.J. Institute of Engineering & Technology
Mangaluru - 575 006

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
Scheme of Teaching and Examination 2017-2018
Choice Based Credit System (CBCS)

B.E: Computer Science and Engineering

VIII SEMESTER

| Sl. No | Course Code | Title | Teaching Department | Teaching Hours /Week | | Examination | | | | Credits |
|--------------|-------------|-------------------------------------|---------------------|---|--------------------|-------------------|------------|------------|-------------|-----------|
| | | | | Theory | Practical/ Drawing | Duration in hours | SEE Marks | CIE Marks | Total Marks | |
| 1 | 17CS81 | Internet of Things and Applications | CS/IS | 4 | - | 3 | 60 | 40 | 100 | 4 |
| 2 | 17CS82 | Big Data Analytics | CS/IS | 4 | - | 3 | 60 | 40 | 100 | 4 |
| 3 | 17CS83X | Professional Elective-5 | CS/IS | 3 | - | 3 | 60 | 40 | 100 | 3 |
| 4 | 17CS84 | Internship/ Professional Practice | CS/IS | Industry Oriented | | 3 | 50 | 50 | 100 | 2 |
| 5 | 17CSP85 | Project Work-II | CS/IS | - | 6 | 3 | 100 | 100 | 200 | 6 |
| 6 | 17CSS86 | Seminar | CS/IS | - | 4 | - | - | 100 | 100 | 1 |
| TOTAL | | | | Theory: 11 hours Project and Seminar: 10 hours | | 15 | 330 | 370 | 700 | 20 |

| Professional Elective -5 | |
|---------------------------------|--------------------------------|
| 17CS831 | High Performance Computing |
| 17CS832 | User Interface Design |
| 17CS833 | Network management |
| 17CS834 | System Modeling and Simulation |

1. Internship/ Professional Practice: 4 Weeks internship to be completed between the (VI and VII semester vacation) and/or (VII and VIII semester vacation) period.

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VII SEMESTER

| Sl. No | Course Code | Title | Teaching Department | Teaching Hours /Week | | Examination | | | Credits | |
|--------------|-------------|---|---------------------|--|--------------------|-------------------|------------|------------|------------|-------------|
| | | | | Theory | Practical/ Drawing | Duration in hours | SEE Marks | CIE Marks | | Total Marks |
| 1 | 17CS71 | Web Technology and its applications | CS/IS | 04 | | 03 | 60 | 40 | 100 | 4 |
| 2 | 17CS72 | Advanced Computer Architectures | CS/IS | 04 | | 03 | 60 | 40 | 100 | 4 |
| 3 | 17CS73 | Machine Learning | CS/IS | 04 | | 03 | 60 | 40 | 100 | 4 |
| 4 | 17CS74x | Professional Elective 3 | CS/IS | 03 | | 03 | 60 | 40 | 100 | 3 |
| 5 | 17CS75x | Professional Elective 4 | CS/IS | 03 | | 03 | 60 | 40 | 100 | 3 |
| 6 | 17CSL76 | Machine Learning Laboratory | CS/IS | 01-Hour Instruction 02-Hour Practical | | 03 | 60 | 40 | 100 | 2 |
| 7 | 17CSL77 | Web Technology Laboratory with mini project | CS/IS | 01-Hour Instruction 02-Hour Practical | | 03 | 60 | 40 | 100 | 2 |
| 8 | 17CSP78 | Project Work Phase-I + Project work Seminar | CS/IS | | 03 | -- | -- | 100 | 100 | 2 |
| TOTAL | | | | Theory:18 hours Practical and Project: 09 hours | | 21 | 420 | 380 | 800 | 24 |

| Professional Elective-3 | | Professional Elective-4 | |
|-------------------------|--------------------------------------|-------------------------|---------------------------------|
| 17CS741 | Natural Language Processing | 17CS751 | Soft and Evolutionary Computing |
| 17CS742 | Cloud Computing and its Applications | 17CS752 | Computer Vision and Robotics |
| 17CS743 | Information and Network Security | 17CS753 | Digital Image Processing |
| 17CS744 | Unix System Programming | 17CS754 | Storage Area Networks |

1. Project Phase – I and Project Seminar: Comprises of Literature Survey, Problem identification, Objectives and Methodology. CIE marks shall be based on the report covering Literature Survey, Problem identification, Objectives and Methodology and Seminar presentation skill.