# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY



Alva's Education Foundation® (AEF) was born out of the entrepreneurial vision of Dr M Mohan Alva, an ayurvedic doctor, an educationalist and a social reformer in Moodubidri, South India. Alva's Institute of Engineering and Technology is a premier engineering college situated in Mijar was founded in 2008 by AEF to provide affordable quality professional education to the youth of this underdeveloped region.

Established in 2008, AIET has launched path-breaking initiatives in Indian higher education with the introduction of innovative and modern curricula, insistence on academic discipline, imparting of Holistic Education and adoption of global higher education practices with the support of creative and dedicated staff. The Institute is affiliated to Visvesvaraya Technological University, Belagavi and recognised by AICTE and University Grants Commission (UGC) of India. In the last academic year two of its departments Electronics and Communication Engineering and Computer Science Department have secured NBA accreditation.

## We Offer specialization in

1. Computer Science and Engineering      2. Information Science and Engineering      3. Electronic Communication and Engineering

# Welcome to Computer Science and Engineering Dept.

## Subject for 1st Semester Subject for 3rd Semester     Subject for 5th Semester Subject for 6th Semester

- Physics
- Chemistry
- Maths
- Civil
- Electronics
- Programming in C

- Data Structures and Algorithums
- Object oriented concepts
- Design and analysis of Algorithum
- Computer Organisation
- Unix Shell Programming
- Micro Processors

- Python
- Automata Theory
- C#
- Advance Java
- System Software
- Operating System

- Web Technologies and Applications
- Storage Area Network
- Advance Computer Architecture
- Unix Shell Programming
- Machine Learning
- Seminars/Final Year Project

| Sno | Subject | Faculty | Section |
|-----|---------|---------|---------|
| 1 | Physics | Mr. Kumar | A |
| 2 | Chemistry | Mr. Acharya | A |
| 3 | Maths | Mrs. Pai | A |
| 4 | Civil | Mr. Shetty | A |
| 5 | Electronics | Mrs. Hegde | A |
| 6 | Programming in C | Ms. Shetty | A |

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|-----|---------|---------|---------|
| 1 | Data Structures and Algorithums | Mr. Kumar | A |
| 2 | Object oriented concepts | Mr. Acharya | A |
| 3 | Design and analysis of Algorithums | Mrs. Pai | A |
| 4 | Computer Organisation | Mr. Shetty | A |
| 5 | Unix Shell Programming | Mrs. Hegde | A |
| 6 | Micro Processors | Ms. Shetty | A |

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|-----|---------|---------|---------|
| 1 | Python | Mr. Kumar | A |
| 2 | Automata Theory | Mr. Acharya | A |
| 3 | C# | Mrs. Pai | A |
| 4 | Advance Java | Mr. Shetty | A |
| 5 | System Software | Mrs. Hegde | A |
| 6 | Operating System | Ms. Shetty | A |

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| 1 | Web Technologies and Applications | Mr. Kumar | A |
| 2 | Storage Area Network | Mr. Acharya | A |
| 3 | Advance Computer Architecture | Mrs. Pai | A |
| 4 | Unix Shell Programming | Mr. Shetty | A |
| 5 | Machine Learning | Mrs. Hegde | A |
| 6 | Seminars/Final Year Project | Ms. Shetty | A |

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# Welcome to Electronic Communication and Engineering Dept.

## Subject for 1st Semester

- Physics
- Chemistry
- Maths
- Civil
- Electronics
- Programming in C

| Sno | Subject | Faculty | Section |
|-----|---------|---------|---------|
| 1 | Physics | Mr. Kumar | A |
| 2 | Chemistry | Mr. Acharya | A |
| 3 | Maths | Mrs. Pai | A |
| 4 | Civil | Mr. Shetty | A |
| 5 | Electronics | Mrs. Hegde | A |
| 6 | Programming in C | Ms. Shetty | A |

## Subject for 3rd Semester

- MicroControllers
- Control System
- Signals & Systems
- Fundamentals of HDL
- Linear ICs & Applications
- MicroControllers Lab

| Sno | Subject | Faculty | Section |
|-----|---------|---------|---------|
| 1 | MicroControllers | Mr. Kumar | A |
| 2 | Control Systems | Mr. Acharya | A |
| 3 | Signals & Systems | Mrs. Pai | A |
| 4 | Fundamentals of HDL | Mr. Shetty | A |
| 5 | Linear ICs & Applications | Mrs. Hegde | A |
| 6 | MicroControllers Lab | Ms. Shetty | A |

## Subject for 5th Semester

- Digital Signal Processing
- Analog Communication
- MicroWaves and Radar
- Information Theory
- Fundamentals of CMOS VLSI
- DSP Lab

| Sno | Subject | Faculty | Section |
|-----|---------|---------|---------|
| 1 | Digital Signal Processing | Mr. Kumar | A |
| 2 | Analog Communication | Mr. Acharya | A |
| 3 | MicroWaves and Radar | Mrs. Pai | A |
| 4 | Information Theory | Mr. Shetty | A |
| 5 | Fundamentals of CMOS VLSI | Mrs. Hegde | A |
| 6 | DSP LAb | Ms. Shetty | A |

## Subject for 6th Semester

- Computer Communication Networks
- Optical Fiber Communication
- Power Electronics
- Embedded System Design
- Wavelet Transforms
- Image Processing

| Sno | Subject | Faculty | Section |
|-----|---------|---------|---------|
| 1 | Computer Communication Networks | Mr. Kumar | A |
| 2 | Optical Fiber Communication | Mr. Acharya | A |
| 3 | Power Electronics | Mrs. Pai | A |
| 4 | Embedded System Design | Mr. Shetty | A |
| 5 | Wavelet Transforms | Mrs. Hegde | A |
| 6 | Image Processing | Ms. Shetty | A |

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# Welcome to Information Science and Engineering Dept.

## Subject for 1st Semester  Subject for 3rd Semester    Subject for 5th Semester Subject for 6th Semester

- Physics
- Chemistry
- Maths
- Civil
- Electronics
- Programming in C

- Data Structures and Algorithums
- Object oriented concepts
- Design and analysis of Algorithum
- Computer Organisation
- Unix Shell Programming
- Micro Processors

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- Automata Theory
- C#
- Advance Java
- System Software
- Operating System

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- Storage Area Network
- Advance Computer Architecture
- Unix Shell Programming
- Machine Learning
- Seminars/Final Year Project

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| 4 | Civil | Mr. Shetty | A |
| 5 | Electronics | Mrs. Hegde | A |
| 6 | Programming in C | Ms. Shetty | A |

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| 4 | Computer Organisation | Mr. Shetty | A |
| 5 | Unix Shell Programming | Mrs. Hegde | A |
| 6 | Micro Processors | Ms. Shetty | A |

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