

AIML

Tagline:

"Mastering AI and Machine Learning for Intelligent Innovation"

About the Program:

"Computer Science and Engineering in AI and Machine Learning is not just a program; it's a journey into the world of intelligent systems, where we innovate, design, and develop algorithms and models that drive the future of technology."

Key aspects of what mechanical engineers do include:

1. Machine Learning Algorithms and Models
2. Computer Vision and Pattern Recognition
3. Natural Language Processing and Understanding
4. Robotics and Intelligent Systems
5. Data Analytics and Big Data
6. Ethical AI and Responsible Innovation

**Course roadmap** (concept map with course name in center):

**Industry training:**

"Bridging Knowledge to Industry Excellence, industry training paving the Way for Industry Prowess."

Brief:

"Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) offers various Industry training program for employability for students to full fill the gaps between education and Industry demands."

Industry Training:

1. CISCO (Network Security Training)
2. AWS (Cloud Computing And Amazon Web Services)
3. Problem Solving (Geeks for Geeks)
4. Version Control and Collaboration (GitHub)
5. Mock Interviews (Hyresnap)
6. Employability Assesment test (AMCAT)

**Training Road Map**

1st/2nd Sem

Problem-Solving

Skill Set: C,C++ Language

No. Of Hours: 20

Outcome: Logic Building using Programming language

3rd Sem

Problem-Solving

Skill Set: C,C++ Language

No. Of Hours: 20

Outcome: Generate Range of effective solutions

Web Technology

Skill Set: HTML,CSS

No. Of Hours: 20

Outcome: Analyze the Web Page and Identify its different properties

Data Science

Skill Set: Mathematics, Python, Machine Learning models and algorithms

Outcome: Industry Oriented Certificates

No. Of Hours: 20

Cloud Computing

Skill Set: AWS/Google Cloud Practical Knowledge

No. Of Hours: 20

Outcome: Industry-Oriented Certificates.

4th Sem

Problem-Solving

Skill Set: C,C++ Language

No. Of Hours: 20

Outcome: Develop a consistent problem-solving approach

## Web Technology

Skill Set: Javascript, BootStrap

No. Of Hours: 20

Outcome: Learn server-side (back-end) fundamentals and apply them to create dynamic websites and web apps.

## Data Science

Skill Set: Mathematics, Python, Machine Learning models and algorithms

Outcome: Industry Oriented Certificates project building related to complex problems

No. Of Hours: 20

## Cloud Computing

Skill Set: AWS/Google Cloud Practical Knowledge

No. Of Hours: 20

Outcome: Advance Industry Oriented Certificates and project building related to complex problems

## 5th Sem

### Problem Solving

Skill Set: C, C++ Language

No. Of Hours: 30

Outcome: Apply a variety of problem-solving tools and techniques to complex problems

### DBMS Training

Skill Set : Oracle, SQL

No, of Hours: 20

Outcome: Apply database management techniques, like retrieving, accessing and organising data efficiently.

## Data Science

Skill Set: Mathematics, Python, Machine Learning models and algorithms

Outcome: Industry Oriented Certificates project building related to complex problems

No. Of Hours: 20

7th Sem

Company Readiness Program

Skill Set, C,C++, Problem-solving, DBMS

No. of Hours : 30 hrs

Outcome: Getting better placement( Super Offer and Super Dream Offers) and increasing the average salary

### Top Achievers

#### PLACEMENT DATA 2023-24 CSE-AIML

S.No .	Roll No.	Name of Student	Company Name	Salary	Designation
1	2000321530087	PRAKHAR TANDON	Microsoft India (R & D) Pvt. Ltd.	491200 0	Software Engineer
3	2000321530057	ISHITA VERMA	Synopsys India Pvt. Ltd.	197600 0	Software Developer
4	2000321530064	KHUSHI SHARMA	Cisco Systems (India) Pvt. Ltd.	180000 0	Network Engineer
5	2000321530020	AMOL SINGH	Rate Gain Travel Technologies Ltd.	120000 0	Software Development Engineer
6	2000321530016	AMAN RAI	Rate Gain Travel Technologies Ltd.	120000 0	Software Development Engineer
7	2000321530012	AKASH PATHAK	Rate Gain Travel Technologies Ltd.	120000 0	Software Development Engineer
8	2000321530026	ANSHUL YADAV	Hiremi-1	100000 0	Business Development Associate
9	2000321530102	SAMI KHAN	Hiremi-1	100000 0	Business Development Associate

11	2000321530111	SHIVENDRA	Hiremi-1	100000 0	Business Development Associate
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### Placement Glimpse 2023

1. Total number of placements. 101 (86)
2. Highest salary package offered. 49,12,000
3. Total number of companies that visited for placements. 139
4. Placement percentage of your department. 64.18
5. Total number of placements offered by the college. 135
6. Total number of dream offers with remarkable CTC and the corresponding amount in LPA: 14(CTC  $\geq$  7 LPA)
7. Total number of super-dream offers with exceptionally high CTC and the corresponding amount in LPA. : 10(CTC  $\geq$  10 LPA)
8. Total number of super offers with excellent CTC and the corresponding amount in LPA.: 23

### Top Internships Offers

### Top Placement Companies

### Industry Partnerships and MoUs:

Memorandum of Understanding (MoU) has been signed between ABES Engineering College, Ghaziabad, hosted by Department of CSE - AIML, and Nextup Robotics Pvt. Ltd., Ghaziabad on 27th April, 2023.

Objectives of this MOU are:

Collaboration for mutual benefit, to enhance the quality of the educational experience of students of the Partner by offering online training and Internships.

To provide offers of an internship for our dedicated students who are genuinely interested in this field.

To develop advanced lab in CSE-AIML Department.

To facilitate our students and faculty members to understand, design and learn about Robotics technologies.

To understand and develop the capability of manufacturing arm robots.

### **Facilities and Labs:**

**Data Structures and Algorithms Lab:** This lab is equipped with systems and software necessary for students to implement, visualize, and analyze various data structures and algorithms. It helps students understand the fundamental principles of organizing and managing data efficiently.

**Programming for Problem Solving Lab:** This lab focuses on enhancing students' programming skills to solve complex problems efficiently. It provides practice in writing code, debugging, and analyzing algorithms for different scenarios.

### **Events and News**

**Event Name:** Guest Lecture on Full-Stack Development using MERN

**Organizer:** Department of Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning (CSE-AIML), ABES Engineering College

**Date:** 26th September, 2023

**Speaker:** Mr. Gaurav Raj, Education Mentor at GeeksForGeeks

**Topic:** Full-Stack Development using MERN

**Event Name:** Capture the Function

**Organizers:** GeeksforGeeks Student Chapter ABESEC in collaboration with Department of Computer Science and Engineering - Artificial Intelligence and Machine Learning (CSE-AIML), ABES Engineering College

**Event Name:** DevTalk - Geek's Gambit

**Organizers:** GeeksForGeeks Student Chapter ABESEC in collaboration with Department of Computer Science and Engineering – Artificial Intelligence and Machine Learning (CSE-AIML), ABES Engineering College

**Date:** 20th May - 21st May, 2024

**Venue:** Auditorium