



ASSAM ENGINEERING COLLEGE
JALUKBARI, GUWAHATI-781013, ASSAM

TRAINING AND PLACEMENT BROCHURE 2019-20

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TRAINING AND PLACEMENT | ABOUT AEC

"Service before self "

Established with the above motto in the year 1955 and inaugurated by Pandit Jawaharlal Nehru, Assam Engineering College (AEC) made its mark as the first engineering institute of North-East India.

Assam Engineering College started with the view to provide skilled technical personnel for implementation of national schemes. It continued with a promise to deliver the best and over the years, with this responsibility it has continued to impart a quality technical education bolstered by sensitizing students towards the need of society and believing in upholding strong ethics.

Situated at Jalukbari in the south-west part of Guwahati, which is a landmark in the colourful and chequered history of Assam. Encircled by the Gauhati University on the north, the Deepor Beel on the south, the Government Ayurvedic College on the east and the Assam Police Radio Organisation on the west, Assam Engineering College not only provides an ideal context for learning but also creates a charming impingement on visitors. The campus is spread across 400 acres of land.

OUR VISION:

To be an institute of National repute serving humanity and truly upholding the spirit of
"Service Before Self"

OUR MISSION:

- To ignite the spirit of technical learning in the minds of students.
- To prepare students to be caring citizens of tomorrow, equipped with life-skill, to sustain them vigorously in life.
- To be technologically savvy, yet rooted to the soil.

TRAINING AND PLACEMENT | WHY RECRUIT AT AEC

THE PIONEER OF NORTH-EAST INDIA

Being the first Engineering College of North-east India and standing tall for more than half a century AEC enjoys the status of a venerable institute of India.

GLORIOUS RECORD

Alumni of AEC have excelled by leaps and bounds across various fraternities and have held important positions in upper echelons of various organizations. Our alumni network is one of the most revered.

SURVIVAL OF THE FITTEST

AEC attracts the top 400 candidates which is less than 2% of the total number of competing candidates in the state level Engineering Entrance Examination. This procedure ensures that only the best of the lot make it to the institute.



TRAINING AND PLACEMENT | FROM THE PRINCIPAL'S DESK

Assam Engineering College, the first government engineering college in the north-east India, was established in the year 1955. This premier institute celebrated its golden jubilee in 2005.

The glorious journey of AEC started with admission of its first batch of students only in civil engineering during 1955. The college is currently offering not only B.E. courses in Civil, Mechanical, Electrical, Chemical, Electronics & Tele-Communication, Computer Science, Instrumentation and Industrial Production Engineering, but also post graduate and PhD courses.

In the changing contemporary context, AEC needs a shared vision for creating ecologically literate, professionally competent and socially responsible engineers. I welcome you to AEC and hope AEC will give the best.



DR. ATUL BORA, PRINCIPAL

TRAINING AND PLACEMENT | FROM THE TPO'S DESK

Placement has become a challenge after the recent expansion of technical education in India. Employability of a technical person depends on his/her specific skill (technical, mathematical etc.), core skill (teamwork, leadership, critical thinking etc.), personal characteristics (professionalism) and communication skill (speaking, writing skill etc.). Tradition in this institute has been highly influential on the students who unknowingly develop many of the skills from their seniors.

AEC is known within and outside India for its value system since its establishment. With more than five decades of rich tradition, AEC has been the most opted technical institute in the north-east India for its consistent quality. Our T&P Cell not only explores the best placement opportunities for our students, but also constantly monitors whether the students can deliver in their job as expected. We sincerely work on the inputs from the industry and alumni for enhancing the quality and employability of our students.

Dr. Navajit Saikia & Dr. Amrita Ganguly
Faculty cum Training & Placement Officer



TRAINING AND PLACEMENT CELL

TRAINING AND PLACEMENT | ADMISSION PROCEDURE

Admission is allowed only to the students clearing state level combined entrance exam (CEE) conducted by Directorate of technical education, Assam in line with AIEEE. Every year 20,000-25,000 aspirants appear in CEE and approximately only the top 2% of the appeared students get the opportunity to study at AEC.

As per AICTE norms, an additional number of diploma engineers, which is equal to the 1% of the capacity of each BE course, are admitted in the 3rd semester. In this case the willing students are required to take the Joint Lateral entrance examination conducted by Directorate Education, Assam.



TRAINING AND PLACEMENT | ACADEMIC PROGRAMME

The different programmes at Assam Engineering College (AEC) are designed to build the fundamentals and cater to the industry needs.

Undergraduate Programmes

Bachelor of Engineering(B.E.)

Duration: 4 years

Final year project: 1 year

Industrial training: 1 month

Available branches:

- Civil engineering
- Mechanical engineering
- Chemical engineering
- Electrical engineering
- Electronics and tele-communication engineering
- Computer science and engineering
- Instrumentation engineering
- Industrial and production engineering

Postgraduate Programmes

Master of Engineering(M.E.)

Duration: 2 years

Thesis duration: 1 year

At the post graduate level, AEC offers master of engineering (M.E.) programmes for engineering graduates and master of computer application for graduates. For M.E. courses, the students are selected based on an entrance examination conducted by college. The MCA aspirants need to take a state-level entrance exam conducted by the Directorate Of Technical Education (DTE), Assam called the Joint MCS Entrance Examination (JMEE). The following departments offer M.E. with various specialisations in the following branches:

- Mechanical Engineering
Specialization: Power System Engineering
- Electrical Engineering
Specializations: Geo-tech
Water resource
- Civil Engineering

Doctorate Level

AEC offers Ph.D programs in all the branches of engineering available in the college. Selection in the Ph.D program is done through an entrance examination conducted by college under direct supervision of Gauhati University. The Ph.D scholars perform their research under expert faculties requiring having publication in reputed journals and conferences.

TRAINING AND PLACEMENT | DEPARTMENTS OF AEC

DEPARTMENT OF CIVIL ENGINEERING

The department of Civil Engineering, established in 1955, was the first branch to be introduced in this college. The department comprises of highly qualified faculties and well equipped laboratories. This department is one of the pioneers of Earthquake Engineering in India, having started in 1972. The annual intake capacity is 90 students per semester in BE degree course and 20 students in M.E. course. This department also offers Ph.D. programs in various specializations under civil engineering.

DEPARTMENT OF MECHANICAL ENGINEERING

The department of Mechanical Engineering was established in 1957. Annual intake capacity of B.E. course is around 60. Equipped with excellent lab facilities, a library and experienced faculties, this branch has produced generations of mechanical engineers who are working in the public and private organizations and as academia across the globe. It also offers M.E. and Ph.D programs in various areas of Mechanical Engineering.

DEPARTMENT OF ELECTRICAL ENGINEERING

The department of Electrical Engineering was established in 1967 along with Mechanical Engineering Department. Intake capacity of BE course is 90. The department boasts of highly experienced faculties. The curriculum has been designed in such a way that the graduates can excel in both the core and IT industries. The department also offer postgraduate courses in electric energy system and control and instrumentation besides.

DEPARTMENT OF CHEMICAL ENGINEERING

The department of Chemical Engineering, being the first of its kind, was established in 1963. The intake capacity for BE course is 60. The department is equipped with laboratories having advanced instruments and machines of international standards besides having its own auditorium equipped with state-of-art facilities. The department aims to meet the growing need for well qualified chemical engineers in the design, manufacturing and marketing segments of chemical industry.

DEPARTMENT OF ELECTRONICS AND TELE-COMMUNICATION

The department of Electronics and Tele-Communication Engineering, with an intake capacity of 60 students for BE course, was established in the year 1983. Having highly qualified faculties and well equipped laboratories, this department covers syllabus covering the major and upcoming areas in the field of Electronics, Communication and Information Technology (ECIT). It also offers PhD degree in various domains of ECIT.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The department of computer science and engineering was introduced in the year 1988. It offers BE degree course with an intake capacity of 20 students. The department has experienced faculty and a well structured curriculum as well and adequate laboratory resources. Apart from these, students also utilize various facilities of the department of Electronics and Tele-communication engineering.

DEPARTMENT OF INSTRUMENTATION ENGINEERING

The department of Instrumentation Engineering was established in the year 1998. It offers BE degree course with an intake capacity of 20 students. The department boasts of well equipped laboratories and experienced faculties. Apart from these, students also utilize various facilities of Electrical Engineering department.

DEPARTMENT OF INDUSTRIAL PRODUCTION ENGINEERING

The department of Industrial production Engineering was established in year 1988 due to a high demand of production engineers in petroleum and other engineering sectors. The department has well equipped laboratories and offers BE degree course with an annual intake capacity of 20 students. It has a dynamic group of extremely intellectual faculties who are well aware of the essential requirements of the course. It also utilizes the facilities of Mechanical Engineering Department.

DEPARTMENT OF COMPUTER APPLICATION

The department of computer application was established in 1990 for promoting specialized knowledge in the field of computer applications. The department has been designed keeping in mind the requirements of information Technology Industry. The department strives to channelize talented youths of the region to this challenging and knowledgeable field by imparting quality technical knowledge and skills. The department provides an outstanding research environment complemented with superior teaching.

TRAINING AND PLACEMENT | CAMPUS INFRASTRUCTURE



MULTI DISCIPLINARY CENTER



AEC PLAY GROUND



AEC HOSTEL 6



**AEC MAIN AUDITORIUM
: DURING SUPERCOMPUTING
CENTER INAUGURATION**



AEC CENTRAL COMPUTING CENTER



MAIN ACADEMIC BUILDING

www.placement.aec.ac.in

TRAINING AND PLACEMENT | LAB FACILITIES

CIVIL ENGINEERING

- SOIL MECHANICS LAB
- HYDRAULICS LAB
- STRENGTH OF MATERIALS LAB
- GEOLOGY LAB
- TRANSPORTATION ENGINEERING LAB
- ENVIRONMENTAL ENGINEERING LAB
- CONCRETE TECHNOLOGY LAB
- CAD CENTRE

MECHANICAL ENGINEERING

- ENGINEERING MECHANICS LAB
- FLUID MECHANICS LAB
- MACHINE DYNAMICS LAB
- HEAT TRANSFER LAB
- VIBRATION LAB
- REFRIGERATION AND A.C. LAB
- STEAM POWER LAB
- MATERIAL SCIENCE LAB
- INTERNAL COMBUSTION LAB

ELECTRICAL ENGINEERING

- BASIC ELECTRICAL ENGINEERING LAB
- MICROPROCESSOR LAB
- ELECTRICAL MACHINES LAB
- INSTRUMENTATION LAB
- ANALOG ELECTRONICS LAB
- DIGITAL SYSTEM LAB
- CONTROL SYSTEM LAB
- ELECTRICAL SIMULATION LAB

CHEMICAL ENGINEERING

- ENERGY LAB
- HEAT TRANSFER LAB
- FLUID FLOW OPERATION LAB
- MASS TRANSFER OPERATION LAB
- PETROLEUM LAB
- COMPUTER SIMULATION LAB
- TECHNICAL ANALYSIS LAB
- INSTRUMENTATION LAB

ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

- CIRCUIT LAB
- DIGITAL ELECTRONICS LAB
- MICROPROCESSOR LAB
- MICROWAVE ENGINEERING LAB
- SATELLITE COMMUNICATION LAB
- COMPUTER LAB

COMPUTER SCIENCE AND ENGINEERING

- PROGRAMMING LAB
- DATA STRUCTURE LAB
- ADVANCED COMPUTING LAB
- SOFTWARE ENGINEERING LAB
- DIGITAL SYSTEM LAB
- DATABASE MANAGEMENT LAB
- DIGITAL COMMUNICATIONS LAB
- COMPUTER GRAPHICS LAB

INDUSTRIAL PRODUCTION ENGINEERING

- ENGINEERING MECHANICS LAB
- FLUID MECHANICS LAB
- MACHINE DYNAMICS LAB
- HEAT TRANSFER LAB
- VIBRATION LAB
- REFRIGERATION AND A.C. LAB
- STEAM POWER LAB
- MATERIAL SCIENCE LAB
- INTERNAL COMBUSTION LAB

INSTRUMENTATION ENGINEERING

- ADVANCED COMPUTING LAB
- MEASUREMENT AND MEASURING LAB
- CONTROL SYSTEM LAB
- INSTRUMENT LAB
- PTO ELECTRONICS LAB
- INSTRUMENTATION SYSTEM LAB
- PROCESS CONTROL LAB
- COMPONENTS LAB
- DIGITAL ELECTRONICS LAB
- POWER ELECTRONICS LAB
- ANALOG ELECTRONICS LAB
- INSTRUMENTATION & CONTROL LAB

COMPUTER APPLICATION

- DIGITAL SYSTEM LAB
- COMPUTER GRAPHICS LAB
- ADVANCED COMPUTING LAB

TRAINING AND PLACEMENT | OUR PAST RECRUITERS

A	D	I	N	S	U
ABB India	Datalogics India Pvt Ltd	IBM	Nagman Instruments	Samsung Electronics	Udyogini
ABCI Infrastructures Pvt Ltd	DELL India	ICICI	Nile Stream	SAP Labs India	Unisys Global
Absolute Surveyors Pvt Ltd	Denso	IMI Soft	NPCC	Satyam	
Accenture	Denso Global	India First Life Insurance	NRL	SC Johnson	V
Adhunik Group	Direct-I	Infosys	Nano Informatics	Schwing Stetter	
Adnig Technologies	Dalmia	INNOFIED Technologies		Sesta	Vedanta
Advait Vedanta Institute of Technology	E	Interglobe	O	SEW Construction	Vodafone
Afcons Infrastructure Ltd		Interview Air		Shriram	ValueLabs
American Tower Corporation		IOCL	OASIS	SIB & Jit's Life	
AMW	Ellenbarrie Industrial Gases Ltd	IOTL	OIL	Signum ITechnology	W
APGCL (ASEB)	EMAMI Ltd	ITC Foods	ONGC	Simplex Infrastructures Ltd	
APL (NAMRUP)	Energy Infratech Pvt Ltd	ITD Cementation India Ltd	Oyo Rooms	SIMS	Wipro Ltd
Arden	Ericsson India	IVRCL	P	Sis Prosecur	WSP
AREVA	Eureka Forbes	J		Sling Infocom	
Aristocrat Gaming	Eveready		Paharpur Cooling Towers Ltd	SM Group	X
ASEB	ETS Infrastructures	Jindal Steel & Power Ltd	Parker Hannifin	Smartprix	
Ashok Leyland	F	JUD Cement	Parking Rhino	Solitarie	XL Dynamics
Asian Motors		K	Patel Engineering Ltd	SOMA Electronic	
Asian Oil Services			Patil Group	SONY Software	Y
Amazon	Federal Bank		Philips India	SpeechWareNet	
Abaqus Inc.	Futures First		Polycab	SPML Infra Limited	Yodlee
			POSCO Steels	SSDA	
B	G		Powergrid	Star Cement	Z
BARC	Gallup Consultancy	Kalpitaru Power Tx	PRADAN	Sterling	
BCPL	Ganmon India	Kanbay	Premium Transmission	Subex	Zaloni
BEL	Gannon and Dunkerly	Kaziranga University	Premium Transmission Limited	Schindler	Zenoova Technologies Pvt Ltd
Berger Paints	General Electric Healthcare	KC Engineers Pvt Ltd	Protech Group	T	Zola Code
Bharti Infratel	Genpact	Kennametal	Punj Lloyd		
BHEL	Geruda Power	Kirloskar Brothers Ltd		TATA Chemicals	
BIET, Sikar	GNG Cements	KSK Energy		Tata Advanced Systems Limited	
BOC	Godrej & Boyce	L	Q	Tata Consultancy Services Limited	
BOSCH	Godrej Consumer Product	L & T Infotech	Quest	Tata Consulting Engineers Limited	
BPCL	GSG	L & T Ltd		TATA Elxsi	
Brigisha Technologies	H	Librosoft	R	Tata Power	
British Paints		Live Health		Tata Technologies Limited	
BitChem	Halliburton	LNJ Bhilwara Group	Regalix	Tech Brivo	
Black Tiger Cement	Havells	Luit Minerals	Reliance	Tech Mahindra	
	HCC	M	Reliance Power Ltd.	Technosoft Consultancy	
C	Hindustan Steelworks Construction Ltd	Mahindra Engineering	Reliance Telecom	Texas Instruments	
Calcom Cement	Hindustan Unilever Limited	Marico	Resonance	Thermax	
Capgemini	HPCL Paper	Maveric	Rites Limited	Thomson Digital	
CCDB Ltd.	Huawei	MAX Cement	Rivigo	Topcem Cement	
Century Link	Human Resocia Co. Ltd.	MEGHA elc	RMC Readymix	Torrecid Group	
Century Ply		Microsoft India	RNB Cement	Tractors India Ltd	
CoCubes		Mobisoft Technologies	Royal Group of Institution	Trawltag	
Coffee Day Beverages		MuSigma	Royal University of Bhutan	TTS	
Cognizant				TVS Motors	
Concept Educations					
Control Print					
Cue Learn (Math)					
Cummins					

TRAINING AND PLACEMENT | LOCATING AND REACHING US

The AEC Campus is at a 30 minute drive away from LGBT Airport, 15 minutes from ISBT Guwahati, 1 hour from the Paltanbazar Railway Station and around 11kms from the heart of the city.

Guwahati, being the gate-way of North East is well connected by air, rail and road with the rest of the country. There are direct air services to/from all major cities in the country.

Indian Airlines, Jet Airways, IndiGo, Spice-Jet, etc. operate regular flights to and from Guwahati. Assam State Transport Corporation runs the college bus service for the students and staff which connects to the city.



TRAINING AND PLACEMENT | TRAINING AND PLACEMENT TEAM

TRAINING AND PLACEMENT OFFICER

Dr. Navajit Saikia

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Dr. Amrita Ganguly

Faculty, Electrical Engineering
Training and Placement Officer
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TRAINING AND PLACEMENT SECRETARY

Mr. Bikash Das

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+91 8474002986

DEPARTMENT CO- ORDINATORS

CIVIL ENGINEERING

Jakie Ahmed
Sumit Jha
Rajeev Chakraborty

COMPUTER SCIENCE ENGINEERING

Rahul Roy

CHEMICAL ENGINEERING

Souvik Rakshit
Nirupam Sharma

ELECTRICAL ENGINEERING

Narji Das
Nilotpai Misra
Priyanuj Dehengia

ELECTRONICS AND TELE- COMMUNICATION ENGINEERING

Avishek Tamuli
Brijesh Khemka

INSTRUMENTATION ENGINEERING

Rupam Bora

MECHANICAL ENGINEERING

Joy Roy
Rahul Pandey

INDUSTRIAL AND PRODUCTION ENGINEERING

Bappi Chamuah

M-Tech

Mechanical Engineering
Susanta Kumar Kakoti

**Water Resource (Civil
Engineering)**
Sanjib Gohain

**Power System (Electrical
Engineering)**
Gourab Bhuyan

Geo-Tech (Civil Engineering)
Nazrul Islam

POSTAL ADDRESS

TRAINING AND PLACEMENT CELL
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Designed by:
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Computer Science Engineering