

অসম চৰকাৰ



सत्यमेव जयते

GOVERNMENT OF ASSAM

TRAINING AND PLACEMENT BROCHURE 2016-17



ASSAM ENGINEERING COLLEGE
JALUKBARI, GUWAHATI - 781013, INDIA

**HERE TO
MAKE A REAL
DIFFERENCE**



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“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.



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.





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



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



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.





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 MCA Entrance Examination (JMEE). The following departments offer M.E. with various specialisations in the following branches:

Civil Engineering, Mechanical Engineering and Electrical 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.



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 1957 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 equiped 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.



MULTI DISCIPLINARY CENTER



AEC PLAY GROUND



AEC HOSTEL 6



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



AEC CENTRAL COMPUTING CENTER



MAIN ACADEMIC BUILDING



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 & PLACEMENT

PAST RECRUITERS

A

ABB India
ABCI Infrastructures Pvt Ltd
Absolute Surveyors Pvt Ltd
Accenture
Adhunik Group
Adnig Technologies
Advait Vedanta Institute of Technology
Afcons Infrastructure Ltd
American Tower Corporation
AMW
APGCL (ASEB)
APL (NAMRUP)
Arden
AREVA
Aristrocat Gaming
ASEB
Ashok Leyland
Asian Motors

B

BARC
BCPL
BEL
Bharti Infratel
BHEL
BIET, Sikar
BOC
BOSCH
BPCL
Brigisha Technologies
British Paints

C

Century Ply
Calcom Cement
Capgemini
CCDB Ltd.
Century Link
CoCubes
Coffee Day Beverages
Cognizant

D

Datalogics India
Pvt Ltd
DELL India
Denso
Denso Global

E

Ellenbarrie Industrial
Gases Ltd
EMAMI Ltd
Energy Infratech Pvt Ltd
Ericsson India
Eureka Forbes
Eveready

F

Federal Bank
Futures First

G

Genpact
Gallup Consultancy
Gammon India
General Electric Healthcare
Genpact
GNG Cements
Godrej & Boyce
Godrej Consumer Products

H

Huawei
Halliburton
Havells
HCC
Hindustan Steelworks Construction Ltd.
Hindustan Unilever Limited
HPCL Paper

I

IBM
ICICI
IMI Soft
India First Life Insurance
Infosys
INNOFIED Technologies
Interglobe
IOCL
IOTL
ITD Cementation India Ltd
IVRCL

J

Jindal Steel & Power Ltd
JUD Cement

K

Kanbay
Kaziranga University
KC Engineers Pvt Ltd
KEC International
Kennametal
Kirloskar Brothers Ltd
KSK Energy

L

L & T Infotech
L & T Ltd
LNJ Bhilwara Group

M

Mahindra Engineering.
Marico
Maveric
MAX Cement
MEGHA elc
Microsoft India
Mobisoft Technologies
MuSigma

N

Nagman Instruments
Nile Stream
NPCC
NRL

O

OASIS
OIL
ONGC
OYO Rooms

P

Parker Hannifin
Patel Engineering Ltd
Patil Group
Philips India
Polycab
POSCO Steels
Power Grid
PRADAN
Premium Transmission
Premium Transmission Limited
Protech Group
Punj Lloyd

Q

Quest

R

Reliance
Reliance Power Ltd.
Reliance Telecom
Resonance
Rites Limited
RMC Readymix
RNB Cement
Royal Group of Institution
Royal University of Bhutan

S

Samsung Electronics
SAP Labs India
Satyam
SC Johnson
Schwing Stetter
Sesta
SEW Construction
Shriram
Signum ITechnology
Simplex Infrastructures Ltd
SIMS
Sis Prosegur
Sling Infocom
SM Group
Solitarie
SOMA Electronic
SONY Software
SpeechWareNet
SPML Infra Limited
SSDA
Star Cement
Sterling
SIB & JI's Life

T

TATA Chemicals
Tata Advanced Systems Limited
Tata Consultancy Services
Tata Consulting Engineers Limited
TATA Elxsi
TATA Power
TATA Power
Tata Technologies Limited
Tech Brivo
Tech Mahindra
Technosoft Consultancy
Texas Instruments
Thermax
Thomson Digital
Topcem Cement
Torrecid Group
Tractors India Ltd
Trawelltag
TTS
TVS Motors

U

Udyogini
Unisys Global

V

Vedanta
Vodafone

W

Wipro Ltd

X

XL Dynamics

Y

Yodlee

Z

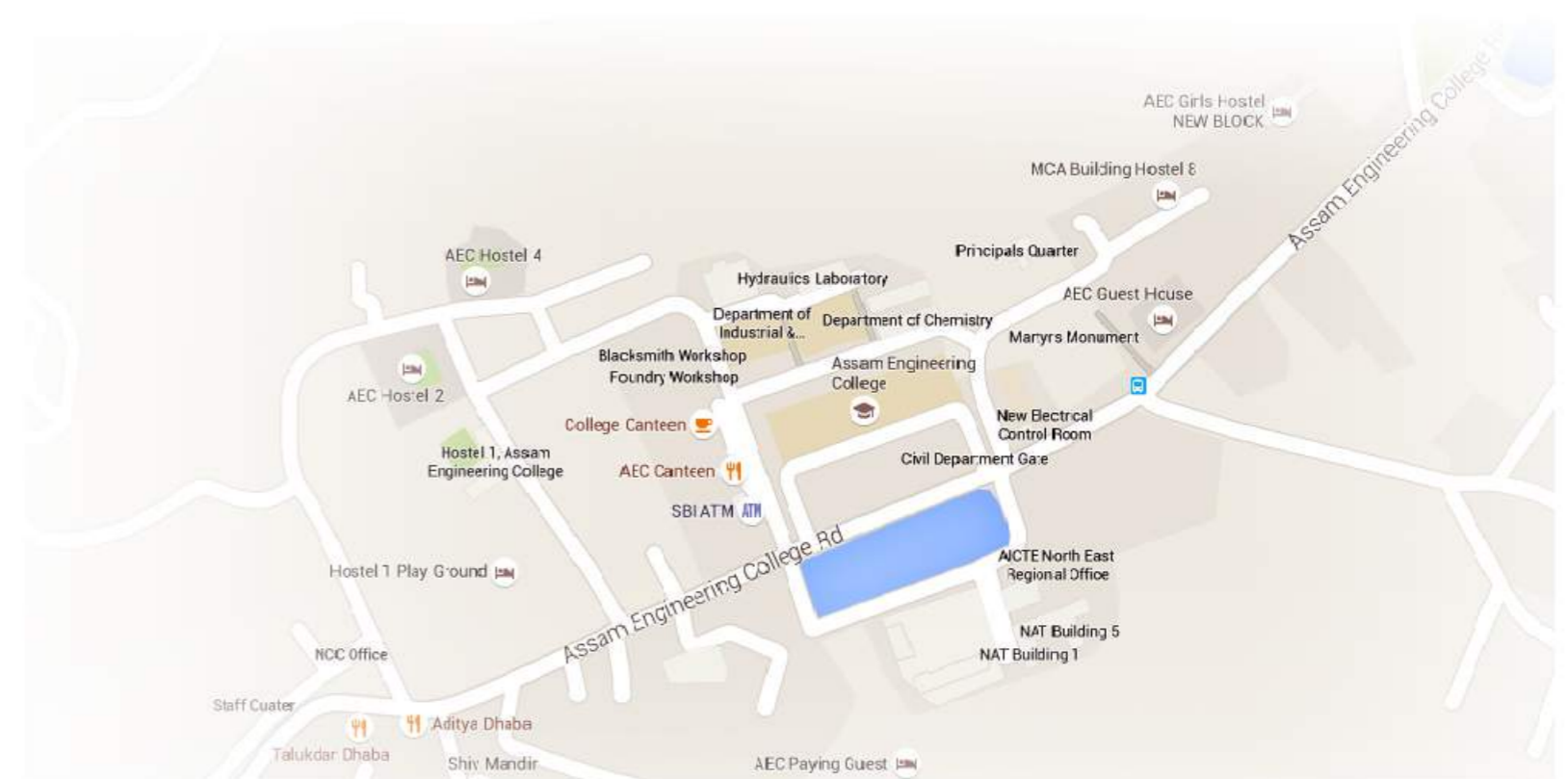
Zaloni Technologies
Zenoova Technologies Pvt Ltd



The AEC Campus is at a 30 minute drive away from LGBI 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 OFFICER

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Kaushik Barman,
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Jayanta Ranjan Konwar

CHEMICAL ENGINEERING

Gaurab Singha Roy,
Akash Chetry,
Sarthak Chetia

ELECTRONICS AND TELE-COMMUNICATION ENGINEERING

Jishuraaj Nath
Bharjil Kalita

INSTRUMENTATION ENGI- NEERING

Mahadyuti Dutta Choudhury,
Pulakesh Saha,
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CREATIVE LABS

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Batch of 2013-17

