



PLACEMENT BROCHURE

2015-16



ASSAM ENGINEERING COLLEGE
(A Govt. of Assam Institution)
Guwahati-781013, Assam

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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 made its mark the first engineering institute of North-East India.

Assam Engineering College (AEC) 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 seen itself to impart a quality technical education bolstered with 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 the humanity and truly upholding the spirit “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.

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.

GLORIOUS RECORD

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

UNITY IN DIVERSITY

AEC is the palette of youngsters belonging to various cultures of entire North-East India.



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 ecological literate, professionally competent and socially responsible engineers. I welcome you to AEC and hope AEC will give the best.

Atul Bora
Principal
Assam Engineering College

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 skill 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 could 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
Assam Engineering College
Jalukbari, Guwahati- 13

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 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 generation of mechanical engineers who are working in the public and private organizations and 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 1998. It offers BE degree course with an intake capacity of 20 students. The department has experienced faculties as well as well structured curriculum 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

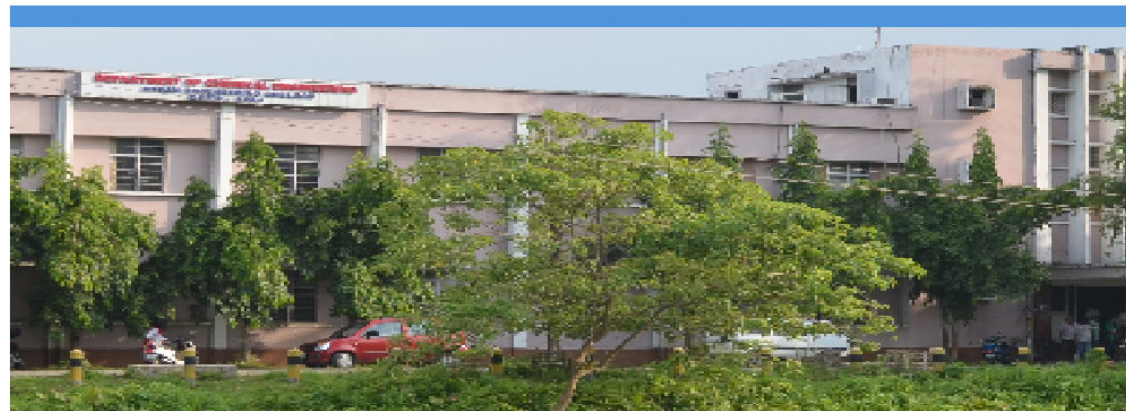
The department of Instrumentation Engineering was established in the year 1998. It offers BE degree course with an intake capacity of 20 students. The department boasts of well equipped laboratories and experienced faculties. Apart from these, students also utilize various facilities of the electrical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

DEPARTMENT OF INDUSTRIAL PRODUCTION

The department of Industrial and Production Engineering was established in the year 1998 due to a high demand for production engineers in petroleum and other engineering sectors. It offers BE degree course with an annual intake capacity of 20 students. The department has well-equipped laboratories and experienced faculties. It also utilizes various facilities of Mechanical Engineering Department.

DEPARTMENT OF COMPUTER APPLICATION

The department of Computer Application was established in the year 1990 for promoting specialized knowledge in the field of computer applications. The department offers MCA course, which has been designed keeping in mind the requirements of Information Technology Industry. The department strives to channelize talented youths of this region to this challenging and knowledge field by imparting quality technical knowledge and skills in the field. The department provides outstanding research environment complemented by superior teaching.





Spanning over an area of around 400 acres, AEC provides its students with adequate and most modern infrastructure and amenities which assist in creating a proper learning environment:

HOSTELS

In all there are eight hostels out of which seven are boys (including post graduates) and one for girls. Each hostel is self-contained with amenities such as a common room, a common room, a library, an indoor games room, a lounge and a dining hall with mess. Although in earlier times, no rooms were provided with internet access and boarders managed on their own through their respective 'Internet monitors', but in recent years (2010 onwards) the central internet facility to the college has been extended to the hostels. The administrative head of each hostel, the superintendent, is a senior faculty member. There are Hostel Committees at the Hostel level. The Hostel Committees composed of superintendent and a student body of block monitors, mess secretaries, sport secretary, cultural secretary, magazine secretary, Internet monitors and auditors. The committee is an exercise in self-governance and a successful one.

LIBRARY

The central Library has a volume of 1 Lac volumes including textbooks, journals, conference proceedings and standards. The library has an e-learning and e-journal facilities. The congenial reading environment in the library helps the student in acquiring knowledge.



CENTRAL COMPUTING CENTRE

The Central Computing Centre provides 24x7 uninterrupted 1GBps broadband internet service for the all-round development of the students. It also handles all the information technology related matters within the college.

MULTI-DISCIPLINARY CENTRE (MDC)

It is a well-equipped edifice, which helps in establishing cordial relationships with industries of repute. It comprises of host of seminar and conference halls with modern amenities and communication aids. It also houses the Entrepreneurship development cell of the institution.

SPORT FACILITIES

The College is equipped with a multi-gym along with basketball and tennis courts. It has also got separate grounds for football and cricket to encourage and watch over the sport activities of the students.

CULTURAL

AEC also promotes an awareness of the rich and heterogeneous cultural tapestry amongst the youth of this country through various programs by MACAY and others.

CIVIL ENGINEERING

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

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

ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING

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

COMPUTER APPLICATION

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

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

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

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

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

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



AEC has a vibrant culture which allows its students to showcase and expand their talents. AEC campus is a place providing fun-filled interactive learning ambience. As a part of our holistic development strategy, there are plenty of cultural and co-curricular activities, providing the students with personality building experiences by providing avenues for all round development. AEC encourages technical events, cultural activities, model making and exhibitions, paper presentations, workshops, seminars, debates, quizzes, symposia etc.

Some of the events are:

PYROKINESIS: This 3-day annual college festival is one of the most celebrated college fest of the entire north-east region which gives perfect platform to kindle the creative essence of young minds. This cultural extravaganza pulls over 10,000 crowds from colleges across north-east.



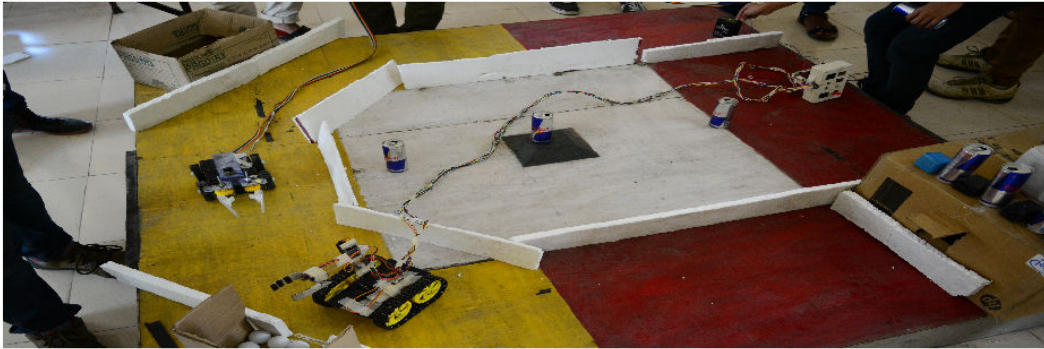
COLLEGE-WEEK: Perhaps the most active period of a session where students take part in a vast multitude of inter-hostel competitions ranging from cultural, sports, to literary and artistic events. The students compete with high level of enthusiasm in order to bring laurels to their respective hostels.

COLLEGE FOUNDATION DAY: For years, the students have maintained the tradition of hoisting a parade competition, a cultural procession and Alumni vs. Professor cricket match on 25th of January every year to commemorate the foundation day of the college.

UDBHAVANAM: This is the annual national level tech-fest of AEC which encourages students to think, innovate and explore by providing an excellent platform through a host of events.



1) **ROBOTICS CLUB:** The robotics club was formed with a vision of promoting AEC in the field of robotics at the national level. The club was formally launched on 9th august, 2008 under the guidance of our faculty members and with some of the AECians.



3) **STUDENTS' UNION:** The students' union is an elected representatives take the lead in all welfare work related to students. The college authority offers all kinds of assistance to the students' union.



5) **ENTREPRENEURSHIP DEVELOPMENT CELL (EDC):** In order to inculcate entrepreneurial culture in the region in general, and amongst engineering students in particular, the EDC of the college started functioning in August, 2009 as an AICTE project in the MDC of the college. Over the last 3 yrs, it has taken up various activities, such as holding Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Expert talks, conducting skill development programmes on various hard and soft skills, factory visits, seminars etc. To some extent, these activities have been successful in arousing students' interest in entrepreneurial activities.

2) **NATIONAL CADET CORPS:** NCC has been an integral part of AEC. training, parades and various educational tours are conducted which make the student eligible to sit in the B and C certificate examination conducted by 30th Assam Engineering Coy. NCC under NER Head Qtr. Shilong.



4) **BLOOD DONATION CAMP:** AEC organizes an annual blood donation camp every year in order to bring awareness among the youths of Assam to come forward and participate in blood donation till date, AEC has been successful in donating about 300 units of blood among top 10 blood donating organization in the state.



6) **STUDENT SOCIETIES:** The college has several student societies such as the cultural society, literary society, debating club etc which organize various cultural functions, debate, quizzes etc. On regular basis. Several other committees, clubs also exist, promoted by students. Some of them are:

1. ISTE Student Chapter
2. Red Ribbon Chapter
3. NSS
4. IGNOU Centre

The Training and Placement Cell is headed by faculty acting as Training & Placement Officer who is assisted by Training & Placement Secretary and student coordinators from different departments.

Assam Engineering College has an active Training and Placement Cell which is sensitized to function all throughout the year towards generating placement and training opportunities for its students. It facilitates the conduction of workshops and seminars at regular intervals on leadership and personality development of the students. It also ensures proper exposure of students to the industrial world for their self realization as true engineers throughout educational tours. We also provide excellent infrastructure to augment every stage of the recruitment process.

The T&P Cell has collaboration with professional coaching centre to groom and guide students on aptitude, group discussion, presentations, and personal interviews along with personality development.

Facilities provided to recruiters:

- Well equipped auditoriums for conducting pre-placement talks.
- Well equipped rooms for conducting tests
- Well equipped Air-Conditioned Rooms for conducting Group Discussion & Interviews with all other requisite facilities



OUR 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
 ASEB
 Ashok Leyland

B

BARC
 BCPL
 BEL
 Bharti Infratel
 BHEL
 BIET, Sikar
 BOC
 BOSCH
 BPCL
 Brigosha Technologies

C

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

F

Federal Bank
 Futures First

G

Gallup Consultancy
 Gammon India
 General Electric Health-care
 Genpact
 GNG Cements
 Godrej & Boyce

H

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

P

Parker Hannifin
 Patel Engineering Ltd
 Patil Group
 Philips India
 Polycab
 POSCO Steels
 Powergrid
 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
 Satyam
 SC Johnson
 Schwing Stetter
 Sesta
 SEW Construction
 Shriram
 Signum ITechnology
 Simplex Infrastructures Ltd
 SIMS
 Sis Prosecur
 Sling Infocom
 SM Group
 Solitarie
 SOMA Electronic
 SONY Software
 SpeechWareNet
 SPML Infra Limited
 SSDA
 Star Cement
 Sterling

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

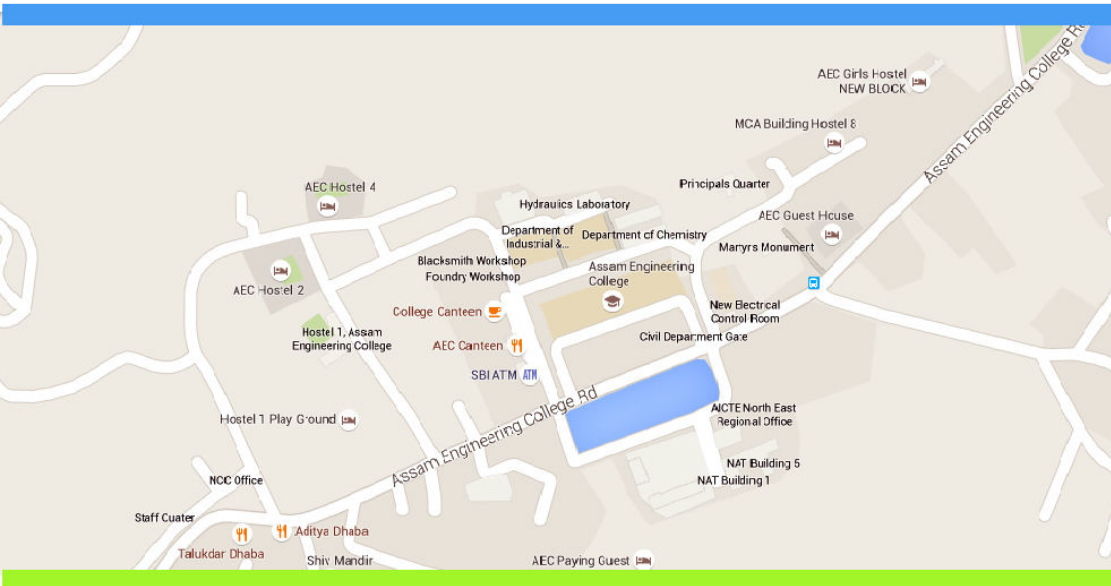
Z

Zaloni
 Zenoova Technologies Pvt Ltd

The AEC Campus is at a 30 minute drive away from LGBI Airport, 15 minute 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 are also available. Indian Airlines, Jet Airways, IndiGo, SpiceJet, 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.



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INSTRUMENTATION ENGINEERING
Tuhin Borgohain

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Rahul Bhagawati

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POSTAL ADDRESS

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