Mandatory Disclosure

Jorhat Engineering College

The following information shall be given in the information Brochure besides being hosted on the Institution's official Website.

The onus of the authenticity of the information lies with the Institution ONLY and not on AICTE.

1. Name of the Institution

Jorhat Engineering College, Garmur, Jorhat -785007, Assam
Longitude-94.2506399 & Latitude- 26.7458283
Mobile No.: 9435095781
Mail id : principaljec1960@gmail.com
principaljec@jecassam.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

- NA

3. Name and Address of the ~~Vice Chancellor~~/ Principal/ ~~Director~~

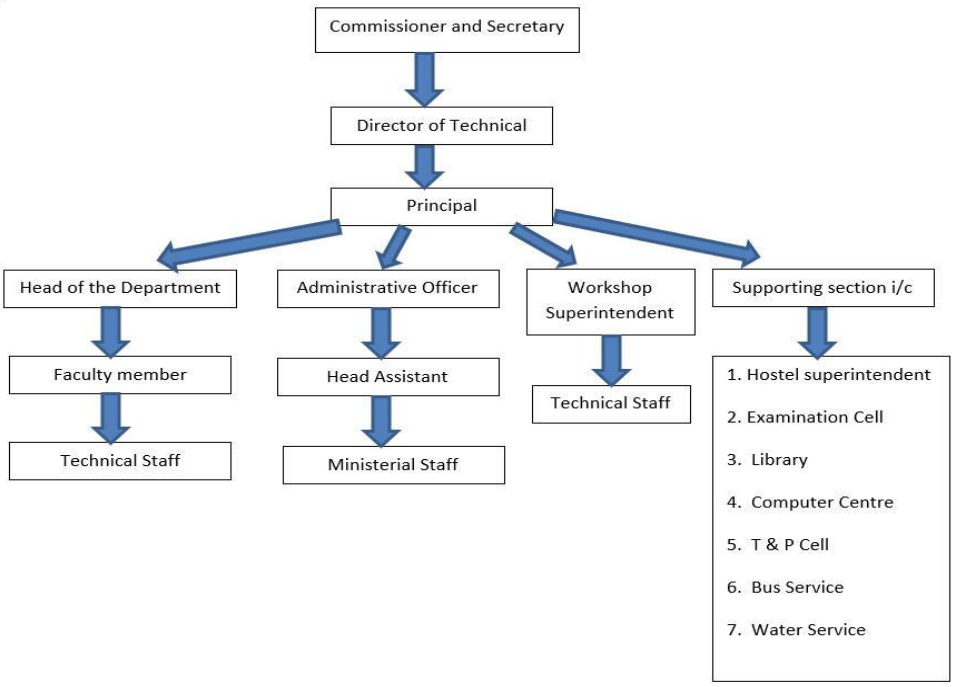
Dr. Rupam Baruah, Jorhat Engineering College

Mobile No.: 9435095781
Mail id : rupam.baruah.jec@gmail.com

4. Name of the affiliating University : **Assam Science and Technology University**

5. Governance

- Organizational chart



- **Governing Body**

The Governing Body of Jorhat Engineering College is constituted with the following members as per the approval of the Government vide No. eCF No.275491/2 Dated Dispur 04-12-2023.

1.	President for a period of three years	:	Mr. Arindom Choudury, Retd. ChiefGeneral Manger, APDCL
2.	Secretary, Ex-Officio	:	Dr. Rupam Baruah, Principal of Jorhat Engineering College
3.	Member-1 (Nominated by Hon'ble Guardian Minister)	:	Dr. Paran Baruah
4.	Member-2 (Nominated by Hon'ble Guardian Minister	:	Dr. Aditi Bazbarua
5.	Member-3 (Guardian of the students studying in Polytechnic or nominated by DTE)	:	Dr. Raju Prasad Paswan, Professor, Dept. of AS & CSc, AAU
6.	Member-4 (Teachers representative,elected for one year)	:	Dr. Pranabjyoti Haloi, Professor, Dept. of Electraical Engg.
7.	Member -5 (Teacher representativeelected for one year)	:	Mr. Rupak Gogoi, Assistant Professor, Dept. of MCA
8.	Member-6 (Non-Teaching staffnominated by Principal)	:	Ms. Polashi Gogoi, Accountant
9.	Member-7 (Member from Alumni Association nominated by DTE)	:	Mr. Pranjal Dutta DGM, NRL
10.	Member-8 (Member from noted Entrepreneurs/ Industrialists of the state nominated by DTE)	:	Mr. Mridumahendra Das, Automovil lTechnology Pvt. Ltd.
11.	Member-9 (Librarian as Ex-Officio Member)	:	Ms. Jinamoni Saikia

• Organizational chart and processes

Position	Function
Commissioner & Secretary to Govt. of Assam, Education Department	➢ Frame directives, policies, and principles ➢ Approves all financial, administrative, and other policy-making decisions ➢ Appoint Gazetted staff ➢ Approve budgets
Director of Technical Education, Assam	➢ Frame and implement all directives, policies, and principles ➢ Prepare and allot budgets for technical institutes

	➢ Appoint non-gazetted staff
Governing Body	➢ To undertake financial management of the Grants–in–Aid (GIA) received from the state Government, All India Council for Technical Education (AICTE), and any funds collected as authorized subscriptions and funds received as fees from the students for the academic purpose of the colleges/polytechnics, including payment of salary etc. to the teaching and non-teaching staff of the college. ➢ To arrange for maintenance of the college/polytechnic building, furniture and equipment as required, including playground, auditorium, libraries etc. ➢ To submit annual report with statics in respect of the enrollment of student's department wise, result, teaching days held, performance of the faculties in an academic session to the Director of Technical Education. ➢ To oversee the functioning of the disbursing officer in disbursing the stipend/ scholarship sanctioned to the students in time, as well as to strive for preservation of an excellent academic standard of the College. ➢ On behalf of the Governing Body, the Secretary shall receive and grow the grants sanctioned by the state Government, by the Government of India and All India Council for Technical Education (AICTE) from time to time. f. With the approval of the Governing Body, the Secretary shall utilise the grants for the purpose for which is sanctioned and submit the Utilisation Certificate to the concerned sanctioning authority in time, with intimation to the Director. ➢ The Secretary shall disburse the deficit Grant-in-Aid sanctioned by the Director towards the salary of teaching and non-teaching sanctioned staff of the College within a week from the date of the receipt of the grants. ➢ If any excess amount of Grants-in- Aid sanctioned towards the salary the excess amount shall be refunded to the Director by the Secretary immediately. ➢ To determine the general scheme of the studies of the college/polytechnic, subject to the approval of the affiliating University/college concern as well as the State Government, to be obtained through the Director with regards to the inclusion of additional subjects, introduction of Major Course in any existing subject. ➢ To consider and initiate project for the environment of the of College, including the prohibition of taking private tuition by the teaching staff. ➢ To deal with the discipline and the conduct of the teaching and non-teaching staff of the College. l. To deal with the academic calendar with the norms of the AICTE/ University Grant

	Commission (UGC) and to complete scrupulous compliance of the guidelines in respect of working days and holding of classes. ➢ The Governing Body will get all funds audited by the Account General, Assam annually.
Principal	➢ Executes organizational functions/activities ➢ Acts as Drawing and Disbursing Officer (DDO) ➢ Admits students to the college ➢ Implement all academic decisions as per affiliating university ➢ Manages accounts and finance ➢ Manages Purchase after Govt's sanction ➢ Prepares Annual budget for onward transmission to Director of Technical Education ➢ Designs and defines responsibilities of various positions in college ➢ Ensures smooth functioning of the college
Head of the Department	➢ Plans and executes academic activities of the department ➢ Maintains discipline in the department ➢ Monitors academic activities of the department ➢ Ensures smooth functioning of the departments ➢ Involves in planning and maintaining the laboratories ➢ Assists Principal in preparing academic policy decisions ➢ Implements all academic and administrative decisions in the department

ii. Grievance Redressal mechanism for Faculty, staff and students

Grievance Redressal Mechanism for Faculty, staff, and students

The grievance redressal committee is entrusted with the following functions:

- The committee receives and processes complaints from students of the college
- The committee enquires about the grievances by taking inputs received from students, observers, and staff.
- The committee pursues quick action for redressal and sends the report to the Principal

Procedure for Redressal of Grievances by Ombudspersons and Student Grievance Redressal Committees:

i. Each institution shall, within a period of three months from the date of issue of this notification, have an online portal where any aggrieved student may apply seeking redressal of grievance.

ii. On receipt of an online complaint, the institution shall refer the complaint to the appropriate Student Grievance Redressal Committee, along with its comments within 15 days of receipt of complaint on the online portal.

iii. The Student Grievance Redressal Committee, as the case may be, shall fix a date for hearing the complaint which shall be communicated to the institution and the aggrieved student.

iv. An aggrieved person may appear either in person or authorize a representative to present his/her case.
v. Grievances not resolved by the Student Grievance Redressal Committee shall be referred to the Ombudsperson, within the time period provided in these Regulations.
vi. Institutions shall extend co-operation to the Ombudsperson or the Student Grievance Redressal Committee, in early redressal of grievances; and failure to do so may be reported by the Ombudsperson to the Council, which shall act in accordance with the provisions of these Regulations.
vii. The Ombudsperson shall, after giving reasonable opportunities of being heard to both parties, on the conclusion of proceedings, pass such order, with reasons therefore as may be deemed fit to redress the grievance and provide such relief as may be appropriate to the aggrieved student.
viii. The Institution, as well as the aggrieved student, shall be provided with copies of the order under the signature of the Ombudsperson, and the institution shall place it for general information on its website.
ix. The Institution shall comply with the recommendations of the Ombudsperson; and the Ombudsperson shall report to the Council any failure on the part of the institution to comply with the recommendations.

iii) Establishment of Anti Ragging Committee

Memo No. JEC/Estt/2025/15633-34 Dated Jorhat the 3rd December 2025

The Anti Ragging Committee of Jorhat Engineering College (As per All India Council for Technical Education notified Regulation for prevention and prohibition of ragging in AICTE approved Technical Institutions vide No. 37-3/ Legal/ AICTE/ 2009 dated 01.07.2009) and UGC Regulation issued in this regard is constituted with the following members

Name	Designation	Mobile	Email
Dr. Rupam Baruah	Principal, Jorhat Engineering College	9435095781	principaljec1960@gmail.com
Mr. Deepmoy Thakuria	SDC Representatives of Civil and Police Administration	8133979963	**deepmoy.thakuria@assam.gov.in**
Dr. Diganta Hatibaruah	Professor, Mechanical Engineering	9954486973	dhbaruah@gmail.com
Dr. Arup Bhattacharjee	Professor, Civil Engineering	9435514576	bhatta_arup@yahoo.com
Dr. Mrinal Buragohain,	Professor, Electrical Engineering	9706067840	mrinalburagohain@gmail.com
Dr. Mrinal Kumar Dutta	Associate-Prof, Civil Engineering	8638024038	mrinaldk68@gmail.com
Dr. Aditi Bazbarua	Non-Government Organizations involved in youth activities	9435352361	jkbezbaruah@gmail.com
Mr. Sankab Kausik Baruah	Local Media	9101165572	sankabbaruah@gmail.com
Mr. Bipul Kalita	Parents Representative	9678360334	bipulkalita2310@gmail.com
Mr. Bibek Dutta	Fresher's representative	9854338882	sagarjyotidutta2016@gmail.com
Ms. Ipsita Debashree Tanti	Fresher's representative	9707523288	tantiipsitadebashree@gmail.com
Mr. Pranjal gogoi	Student's representative	8876446710	pranjalgogoi188@gmail.com
Ms. Palashi Gogoi	General Secretary, JECSU (Non-teaching staff)	9101618136	gogoipalashi1@yahoo.com

iv) Establishment of Online Grievance Redressal Mechanism

www.jecassam.edugrievance.com

GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL ::::::::: JORHAT ENGINEERING COLLEGE
JORHAT

Memo No. JEC/Misc/2025/15587 Dated the 29th of November, 2025

NOTICE

This is to inform all students, faculty, and staff of Jorhat Engineering College that the institution has an online grievance redressal portal to ensure prompt, transparent, and efficient resolution of grievances.

All members of the JEC community may now submit their grievances through the portal at: https://jecassam.edugrievance.com/

This platform has been established to streamline the grievance-handling process and to provide a convenient way for everyone to raise issues related to academic, administrative, or campus matters.

You are advised to make use of this facility whenever required.

Principal
Jorhat Engineering College
Jorhat-7

Principal
JORHAT ENGINEERING COLLEGE
Jorhat-7

Memo No. JEC/Misc/2025/15588-89 Dated the 29th of November, 2025

Copy to:
1. College Notice Board
2. Office file

Principal
Jorhat Engineering College
Jorhat-7

v. Details of Grievance Redressal Committee in the Institution and OMBUDSMAN by the University

(As per All India Council for Technical Education (Redressal of Grievance of Students) Regulation, 2019 vide F. No.1-101/PGRC/AICTE/Regulation/2019 dated 07.11.2019) *All India Council for Technical Education (Redressal of Grievance of Faculty/ Staff Member) Regulations, 2021 vide F.No.1- 103/ AICTE/PGRC/Regulation/2021dated 25.03.2021. **The coordinator of the Grievances Redressal Committee will take responsibility to organize the monthly meeting.**

Memo No. JEC/Estt/2025/15408-414 Dated Jorhat the 12/11/25

1. Principal, Jorhat Engineering College : Chairman
2. Ms. Angana Kakoti, Assistant Professor, Civil Engg. Dept. - Member (Coordinator)
3. Mr. Sabikur Rahman, Prof. Physics Dept. - Member
4. Dr. Mrinal Kumar Dutta, Prof. Civil Engg. Dept. - Member
5. Mr. Jiten Borgohain, Assistant Professor, Mathematics. Dept - Member
6. Mr. Biswajit Sarmah, Assistant Professor, CSE Dept - Member
7. Miss. Sumi Sikha Bora, Mechanical Engg. Dept. (special invitee) - Student Member

OMBUDSMAN by the University: Prof. Bhupendra Nath, Former Director of the Indian Institute of Tropical Meteorology, Pune

vi. Establishment of Internal Committee (IC)

The Internal Committee (IC) of Jorhat Engineering College (As per Section 4 All India Council for Technical Education (Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions) Regulations, 2016 vide No. F. AICTE/WH/2016/01dated 10th June, 2016 is constituted with the following members. **The coordinator of the Internal Committee (IC) will take responsibility to organize the monthly meeting.**

Memo No. JEC/Estt/2025/15420-428 Dated Jorhat the 12/11/25

1. Dr. (Mrs.) Nayanmoni Chetia, Prof. & Civil Engg. Dept. : Presiding Officer
2. Ms. Jimli Das, Assisant Professor, Civil Engg. Dept. : Coordinator
3. Ms. Mayuri Devi, Assistant Professor, Physics Dept. : Member
4. Ms. Palashi Gogoi, Office Staff, JEC : Member
5. Mr. Bijay Ch Deka, Assistant Librarian, JEC : Member
6. Ms. Mandakini Goswami, B. Sc., L. L. B. : External Member
7. Mr. Mrinmoy Jyoti Gogoi, 7th Semester, Mechanical Dept. : Student Member
8. Miss. Rishika Sharma, 5th Semester, Electrical Engg Dept. : Student Member
9. Mr. Pranjal Gogoi, General Secretary, JECSU : Student Member

vii. Establishment of Committee for SC/ST

The Committee for SC/ ST (As per the Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989, No. 33 of 1989, dated 11.09.1989)* is constituted with the following members. **The coordinator of the** Committee for SC/ ST **will take responsibility to organize the monthly meeting.**

Memo No. JEC/Estt/2025/15402-407 Dated Jorhat the 12/11/25

1. Dr. Rupam Baruah, Principal, Jorhat Engineering College : Chairman
2. Dr. Jinti Hazarika, Assistant Professor, Instrumentation Engineering Dept. : Coordinator
3. Mr. Arup Deka, Associate Professor, Civil Engineering Dept. : Member
4. Dr. Bijay Kumar Roy, Associate Professor, Mechanical Engineering Dept. : Member
5. Mr. Thaihamdau Longmailai, Assistant Professor, Civil Engg. Dept. : Member
6. Mr. Uttaran Sonowal, Assistant Professor, Mechanical Engg Dept : Member

viii. Internal Quality Assurance Cell

GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL, JORHAT ENGINEERING COLLEGE
JORHAT ::: ASSAM.

Memo No. JEC/Estt/2025/ 14804 Dated Jorhat the 1st September 2025

NOTICE

The internal Quality Assurance Cell (IQAC) of the college is formed with the following members:

- Chairperson: Principal, Jorhat Engineering College
- Coordinator: Dr. Atanu Kumar Dutta, Professor, Civil Engineering Department
- Teachers: Dr. Diganta Hatibaruah, Professor & HOD, Mechanical Engg. Dept.
  Dr. Arup Bhattacharjee, Professor & HOD, Civil Engg Dept.
  Dr. Mrinal Buragohain, Professor & HOD, Electrical Engg Dept.
  Dr. Diganta Baishya, Associate Prof & HOD, Computer Sc. & Engg Dept.
  Dr. Monisha Pathak, Associate Prof & HOD, Instrumentation Engg Dept
  Mr. Gitartha Kalita, Assistant Professor, Civil Engg Dept.
- External Stakeholder: Dr. Reeta Sarmah, Retired Principal, Jorhat Engineering College

Principal,
Jorhat Engineering College
Jorhat-7.

ix Equal Opportunity facilities Cell.

The Equal Opportunity Cell (EOC) of Jorhat Engineering College (As per AICTE and UGC guidelines) is constituted with the following members. The coordinator of the Equal Opportunity Cell (EOC) will take responsibility to organize the monthly meeting.

Memo No. JEC/Estt/2025/15856-57 Dated Jorhat the 16/12/25

1. Dr. Mrinal Kumar Dutta, Prof. Civil Engg. Dept. : Chair Person
2. Dr. Nitish Bhardwaj, Assistant Prof. Mechanical Engg Dept. : Coordinator
3. Dr. (Mrs.) Nayanmoni Chetia, Prof. Civil Engg. Dept. : Member
4. Dr. Jinti Hazarika, Assistant Professor, Instrumentation Engineering Dept. : Member
5. Mr. Thaihamdau Longmailai, Assistant Professor, Civil Engg. Dept. : Member

6. Programmes

i) Name of Programmes approved by AICTE:

1. Engineering and Technology (B.Tech)
2. Engineering and Technology (P.G)
3. Master of Computer Application

ii) Name of Programmes Accredited by AICTE: NO

iii) Status of Accreditation of the Courses: NA

iv) Total number of Courses: 8

v. For each Programme the following details are to be given (Preferably in Tabular form):

Programme	Course	Number of seats	Duration (years)
B.Tech	Mechanical Engineering	90	4
	Instrumentation Engineering	30	4
	Civil Engineering	75	4
	Electrical Engineering	60	4
	Computer Sc. & Engineering	60	4
PG	Instrumentation & Control Engineering	18	2
	Civil Engineering	18	2
PG	Master of computer application	30	2

d. Cut off marks/rank of admission during the last years : **Publish by Directorate of Technical Education, Assam**

vi. Fee (as approved by the state government)

Programme	BRANCH	2025-26	
Engineering and Technology (B.Tech)	Mechanical Engineering Civil Engineering Electrical Engineering Computer Science and Engineering Instrumentation Engineering	1st semester	14950.00
		2nd semester	3050.00
		3rd, 5th, 7th semester	5000.00
		4th, 6th, 8th semester	3600.00
PG	Instrumentation & Control Engineering Civil Engineering	1st semester	29689.00
		2nd semester	3550.00
		4th semester	9100.00
PG	Master of computer application	1st semester	13900.00
		2nd semester	3550.00
		4th semester	4100.00

vii. Name and duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. If there is Foreign Collaboration, give the following details, if any: **NO**

a. Details of the Foreign University, if any : **NA**

b. Name of the University : **NA**

c. Address : **NA**

d. Website : **N**

e. Accreditation status of the University in its Home Country : **NA**

f. Ranking of the University in the Home Country : **NA**

g. Whether the degree offered is equivalent to an Indian Degree? If yes, the name of the agency which has approved equivalence. If no, implications for students in terms of pursuit of higher studies in India and abroad and job both with in and outside the country : **NA**

viii. Nature of Collaboration : **NA**

ix. Complete details of payment a student has to make to get the full benefit of Collaboration : **NA**

x. For each Programme Collaborated provide the following: **NA**

xi. Programme Focus : **NA**

xii. Number of seats : **NA**

xiii. Admission Procedure : **NA**

xiv. Fee (as approved by the state government) : **NA**

xv. Whether the Collaboration Programme is approved by AICTE? If not whether the Domestic/ Foreign University has applied to AICTE for approval : **NA**

7 Faculty

i. Course/Branch wise list Faculty members:

SI No.	TITLE	FIRST NAME	AICTE id	Branch	GENDER	DESIGNATION
1	Dr.	Utpal Kumar Misra	1-552442131	Civil	Male	PROFESSOR
2	Dr.	Atanu Kumar Dutta	1-11026340411	Civil	Male	PROFESSOR
3	Dr.	Arup Bhattacharjee	1-500214235	Civil	Male	PROFESSOR
4	Dr.	Nayanmoni Chetia	1-499971589	Civil	Female	PROFESSOR
5	Dr.	Achyut Das	1-499972459	Civil	Male	PROFESSOR
6	Mr.	Arup Deka	1-500214231	Civil	Male	ASSOCIATE PROFESSOR
7	Dr.	Rituparna Goswami	1-513577321	Civil	Male	ASSOCIATE PROFESSOR
8	Ms.	Jimli Das	1-44675422601	Civil	Female	ASST PROFESSOR
9	Ms.	Angana Kakoty	1-2203926049	Civil	Female	ASST PROFESSOR
10	Dr.	Riddick Kakati	1-46570886133	Civil	Male	ASST PROFESSOR
11	Mr.	Diptimoyee Phukan	1-46572071713	Civil	Male	ASST PROFESSOR
12	Mr.	Thaihamdau Longmailai		Civil	Male	ASST PROFESSOR
13	Mr.	Hidhartha Shankar Das	1-46559392251	Civil	Male	ASST PROFESSOR
14	Mr.	Gitartha Kalita	1-2910005118	Civil	Male	ASST PROFESSOR
15	Mr.	Chinmoy Sharma	1-46559391954	Civil	Female	ASST PROFESSOR
16	Ms.	Pranjuma Kotoky	1-46559392161	Civil	Female	ASST PROFESSOR
17	Dr.	Mrinal Kumar Dutta	1-513577327	Geology	Male	ASSOCIATE PROFESSOR
18	Mr.	Manash Prateem Gogoi	1-44808758854	Geology	Male	ASST PROFESSOR
19	Dr.	Rupam Baruah	1-514926611	CSE	Male	PROFESSOR
20	Dr.	Diganta Baishya	1-500328971	CSE	Male	PROFESSOR
21	Mr.	Biswajit Sarmah	1-500246753	CSE	Male	ASSOCIATE PROFESSOR
22	Mr.	Rupjyoti Baruah	1-9319378721	CSE	Male	ASSOCIATE PROFESSOR
23	Mr.	Rajib Chakrabartty	1-804424364	CSE	Male	ASST PROFESSOR
24	Dr.	Sauravjyoti Sarmah	1-499439759	CSE	Male	ASST PROFESSOR
25	Dr.	Aditya Bihar Kandali	1-505987441	Electrical	Male	PROFESSOR
26	Dr.	Mrinal Buragohain	1-499439755	Electrical	Male	PROFESSOR
27	Dr.	Pranabjyoti Haloi	1-40054545	Electrical	Male	PROFESSOR
28	Dr.	Nipan Kumar Das	1-513420295	Electrical	Male	ASST PROFESSOR
29	Dr.	Tilok Boruah	1-499972273	Electrical	Male	ASSOCIATE PROFESSOR
30	Mr.	Papu Saikia	1-513420241	Electrical	Male	ASST PROFESSOR
31	Dr.	Bipul Kumar Talukdar	1-2184741194	Electrical	Male	ASST PROFESSOR
32	Ms.	Bipasha Sarma	1-44686296017	Electrical	Female	ASST PROFESSOR
33	Mr.	Rahul Gautam	1-46570886223	Electrical	Male	ASST PROFESSOR
34	Dr.	Monisha Pathak	1-499439887	Instrumentation	Female	PROFESSOR
35	Dr.	Ritu Nazneen Ara Begum	1-3386593466	Instrumentation	Female	ASSOCIATE PROFESSOR
36	Mr.	Arobindra Saikia	1-499439883	Instrumentation	Male	ASSOCIATE PROFESSOR
37	Dr.	Jinti Hazarika	1-44675422151	Instrumentation	Female	ASST PROFESSOR
38	Mr.	Kalyan Bhattacharjee	1-46572071612	Instrumentation	Male	ASST PROFESSOR
39	Dr.	Rupanjali Nath	1-3666136643	Mechanical	Female	PROFESSOR
40	Dr.	Diganta Hatibaruah	1-500246549	Mechanical	Male	PROFESSOR
41	Dr.	Deva Kanta Rabha	1-500246617	Mechanical	Male	PROFESSOR
42	Dr.	Mafidur Rahman	1-513235309	Mechanical	Male	PROFESSOR
43	Mr.	Ajoy Krisna Dutta	1-500236291	Mechanical	Male	ASSOCIATE PROFESSOR
44	Dr.	Bijay Kumar Roy	1-513235305	Mechanical	Male	ASSOCIATE PROFESSOR
45	Mr.	Debarupam Gogoi	1-500246699	Mechanical	Male	ASSOCIATE PROFESSOR
46	Mrs.	Dimpi Bora	1-500246545	Mechanical	Female	ASST PROFESSOR

47	Dr.	Diganta Kalita	1-513422771	Mechanical	Male	ASST PROFESSOR
48	Dr.	Nitish Bhardwaj	1-44780746374	Mechanical	Male	ASST PROFESSOR
49	Dr.	Pooja Dutta	1-10670654331	Mechanical	Female	ASST PROFESSOR
50	Ms.	Pranami Bhuyan	1-9746905955	Mechanical	Female	ASST PROFESSOR
51	Ms.	Beni Jewela Doley	1-46559391522	Mechanical	Female	ASST PROFESSOR
52	Mr.	Uttaran Sonowal	1-46559391692	Mechanical	Male	ASST PROFESSOR
53	Mr.	Saptarshi Borkakoti	1-4659392034	Mechanical	Male	ASST PROFESSOR
54	Dr.	Siddhartha Baruah	1-500324123	MCA	Male	PROFESSOR
55	Dr.	Dhrubajyoti Baruah	1-500324127	MCA	Male	ASSOCIATE PROFESSOR
56	Mr.	Rongdeep Pathak	1-553749345	MCA	Male	ASSOCIATE PROFESSOR
57	Mr.	Rupak Kumar Gogoi	1-500324501	MCA	Male	ASST PROFESSOR
58	Mr.	Bharadwaj Choudhiry	1-9551861700	MCA	Male	ASST PROFESSOR
59	Dr.	Priyakshi Mahanta	1-44654019644	MCA	Male	ASST PROFESSOR
60	Mr.	Bikram Patir	1-44675422547	MCA	Male	ASST PROFESSOR
61	Mr.	Sabikur Rahman	1-499340689	Physics	Male	ASST PROFESSOR
62	Dr.	Mayuri Devee	1-3612401891	Physics	Female	ASST PROFESSOR
63	Ms.	Pubali Dihingia	1-44808759665	Physics	Female	ASST PROFESSOR
64	Dr.	Champak Kumar Bharali	1-513577512	Humanities	Male	ASSOCIATE PROFESSOR
65	Ms.	Ritika Agarwal	1-43865970967	Humanities	Female	ASST PROFESSOR
66	Mrs.	Asharani Baruah	1-513577454	Mathematics	Female	ASST PROFESSOR
67	Mr.	Babul Chiring Phukan	1-513577496	Mathematics	Male	ASST PROFESSOR
68	Mr.	Jiten Borgohain	1-44675422361	Mathematics	Male	ASST PROFESSOR
69	Dr.	Neeraj Kumar Paul	1-44675422454	Mathematics	Male	ASST PROFESSOR
70	Mr.	Amit Kumar Thakur	1-44801311551	Chemistry	Male	ASST PROFESSOR
71	Mr.	Alip Hazarika	1-44691851325	Chemistry	Male	ASST PROFESSOR
72	Ms.	Sayanika Saikia	1-44798121154	Chemistry	Female	ASST PROFESSOR

ii. Permanent Faculty : 72

iii. Adjunct Faculty : NIL

iv. Permanent Faculty: Student Ratio : 1 : 22

8 Profile of Vice Chancellor/Director/Principal/Faculty

i. Name : **Rupam Baruah**

ii. Date of Birth : **01-09-1970**

iii. Unique ID : **1-514926611**

iv. Education Qualifications : **PhD**

v. Work Experience : **31 years**

vi. Teaching/ Research/ Industry/ Others : **31 Years**

vii. Area of Specialization : **Artificial Intelligence, Natural Language Processing, Machine Learning**

viii. Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level : **DSA, DBMS, AI, Automata Theory, Compiler Construction, Algorithms**

ix. Research guidance (Number of Students) : **4 (Four)**

x. No. of papers published in National/International Journals/Conferences : **7 (Seven)**

xi. Master (Completed/Ongoing) : **NIL**

xii. Ph.D. (Completed/Ongoing) : **4 (Four)**

xiii. Projects Carried out : **NIL**

xiv. Patents (Filed & Granted) : **NIL**

xv. Technology Transfer : **NIL**

xvi. Research Publications (No. of papers published in National/International Journals/Conferences):
Conferences: 08 / Journals: 05

xvii. No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.) : **NIL**

9 Fee

i. No. of Fee waivers granted with amount and name of students : **NIL**

ii. Number of scholarships offered by the Institution, duration and amount

SI No.	**Name of the scholarship**	**Duration (years)**	**Amount**
1	Post matric scholarship for OBC Students	4	
2	Ishan Uday special scholarship scheme for NER	4	
3	Umbrella scheme for education of ST children post matric scholarship for ST students	4	
4	Post matric scholarship to ST students (Assam)	4	
5	Financial support to the students of NER for higher professional course	4	
6	Merit-cum means scholarship for professional and teaching course SC	4	
7	PG scholarship scheme for ST students for pursuing professional course	4	
8	Pragati scholarship scheme for girls (degree) for technical education	4	
9	Engineering and technical scholarship	4	
10	North Eastern Scholarship	4	

10 Admission

i. Number of seats sanctioned with the year of approval

Sl No.	**Program Name**	**Course**	**Year of Start**	**Intake**
01	UG	Civil Engg.	1960	75
02	UG	Mechanical Engg.	1962	90
03	UG	Electrical Engg.	1962	60
04	UG	Instrumentation Engg.	1992	30
05	UG	Computer Science & Engg.	1987	60
06	PG	Civil Engg.	2013	18
07	PG	Instrumentation & Control Engineering	2013	18
08	PG	MCA	1987	30

ii. Number of Students admitted under various categories each year in the last three years

JORHAT ENGINEERING COLLEGE **Admission 2025-26**	UNRESERVED CATEGORY	SCHEDULE CASTE	ST[P]	ST[H]	OBC/MOBC-NCL		SUPERNUMERARY	**GRAND TOTAL**	**RESERVATION**	
					OBC/MOBC	Others	EWS		PwD	5% Govt. School quota
BRANCH/PROGRAM	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted
CIVIL ENGINEERING	35	6	8	4	9	3	8	73	0	5
MECHANICAL ENGINEERING	43	6	9	4	17	3	9	91	0	5
ELECTRICAL ENGINEERING	27	1	6	3	10	2	6	55	1	4
COMPUTER SCIENCE & ENGINEERING	26	4	6	3	14	2	6	61	0	3
INSTRUMENTATION ENGINEERING	11	2	2	0	5	1	3	24	0	0

JORHAT ENGINEERING COLLEGE **Admission 2024-25**	UNRESERVED CATEGORY	SCHEDULE CASTE	ST[P]	ST[H]	OBC/MOBC-NCL		SUPERNUMERARY	**GRAND TOTAL**	**RESERVATION**	
					OBC/MOBC	Others	EWS		PwD	5% Govt. School quota
BRANCH/PROGRAM	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted
CIVIL ENGINEERING	38	6	4	7	11	6	8	80		
MECHANICAL ENGINEERING	43	6	4	9	23	3	9	97		
ELECTRICAL ENGINEERING	30	4	2	6	14	3	6	65		
COMPUTER SCIENCE & ENGINEERING	31	4	3	5	14	2	6	65		
INSTRUMENTATION ENGINEERING	13	1	0	3	6	2	2	27		

JORHAT ENGINEERING COLLEGE **Admission 2023-24**	UNRESERVED CATEGORY	SCHEDULE CASTE	ST[P]	ST[H]	OBC/MOBC-NCL		SUPERNUMERARY	**GRAND TOTAL**	**RESERVATION**	
					OBC/MOBC	Others	EWS		PwD	5% Govt. School quota
BRANCH/PROGRAM	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted	Admitted
CIVIL ENGINEERING	36	6	8	2	11	7	8	78	1	
MECHANICAL ENGINEERING	45	6	9	2	23	3	9	97		
ELECTRICAL ENGINEERING	28	4	6	3	14	3	6	64	1	
COMPUTER SCIENCE & ENGINEERING	31	4	6	3	13	2	6	65	1	
INSTRUMENTATION ENGINEERING	13	2	3	0	5	2	3	28		

iii. Number of applications received during last year for admission under Management Quota and number admitted : **NIL**

11. Admission Procedure

i) **Mention the admission test being followed, name and address of the Test Agency/State Admission Authorities and its URL (website)**

Admission Test: Combined Entrance Examination

Name and Address of the Test Agency — Assam Science and Technology University
Tetelia Road, Jalukbari, Guwahati-13
www.astu.ac.in

State Admission Authority:
1) Directorate of Technical Education, Assam
Kahilipara, Guwahati-781019
www.dte.assam.gov.in

2) JEE (CSAB NEUT)

ii) **Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)**

1) CEE (Combined Entrance Examination)

Civil Engineering	: 75 + 10% EWS
Mechanical Engineering	: 90 + 10% EWS
Electrical Engineering	: 60 + 10% EWS
Computer Science and Engineering	: 60 + 10% EWS
Instrumentation engineering	: 30 + 10 % EWS

2) CSAB NEUT (JEE)

iii) Calendar for admission against Management/vacant seats: There are no management seats

iv) Last date of request for applications :

v) Last date of submission of applications :

vi) Dates for announcing final results :

vii) Release of admission list (main list and waiting list shall be announced on the same day): **Done by the Directorate of Technical Education, Assam**

viii) Date for acceptance by the candidate (time given shall in no case be less than 15days)

ix) Last date for closing of admission:

- Starting of the Academic session : **11-08-2025**

TENTATIVE ONLINE COUNSELLING SCHEDULE FOR ADMISSION INTO 1st SEMESTER B.TECH PROGRAMMES IN THE STATE GOVERNMENT ENGINEERING COLLEGES OF ASSAM THROUGH CEE-2025 FOR THE ACADEMIC SESSION 2025-26

Sl. No.	Events	Time Period (in days)	Date
1	ONLINE REGISTRATION Upload documents, choice filling for Branches and Engineering Colleges by the candidates to participate in the online counselling with fee payment and document uploading	11	16TH June to 26th June,2025
2	Correction/ modification window for students will be opened	1	29th June, 2025
3	Online verification of uploaded documents by Verifying Officers	6	30th June to 5th July , 2025
4	Allotment of seats of **1st online counselling.**	1	11th July, 2025
5	Acceptance against allotted seats	3	11th to 13th July, 2025
6	Reporting along with Original Document for Verification at the respective College.	3	14th to 15th July, 2025
7	Submission of Admission Report and Vacancy List by respective colleges to DTE Office	2	16th July, 2025
8	Display of **Vacancy List** received from institutes after 1st online counselling	1	17 July, 2025
9	**Revising/Modification of Colleges / Branches/Others by candidates, if any**	2	18 to 19th July, 2025
10	Allotment of seats of **2nd online counselling.**	1	24th July, 2025

TENTATIVE ONLINE COUNSELLING SCHEDULE FOR ADMISSION INTO 1st SEMESTER B.TECH PROGRAMMES IN THE STATE GOVERNMENT ENGINEERING COLLEGES OF ASSAM THROUGH CEE-2025 FOR THE ACADEMIC SESSION 2025-26

Sl. No.	Events	Time Period (in days)	Date
11	Acceptance against allotted seats	3	24th July to 26th July, 2025
12	Reporting along with Original Document for Verification at the respective College	3	25th July to 29July, 2025
13	Withdrawal of Seat [10% fee will be retained by the admitted College. Rest will be refunded to Student]	-	On or before 29th July, 2025
14	Submission of Admission Report and Vacancy List by respective colleges to DTE Office	2	30th to 31ST JULY 2025
15	Display of **Vacancy List** received from colleges after 2nd online counselling	1	2ND August, 2025
16	Allotment of seats of **3rd online counselling.**	1	4th August, 2025
17	Acceptance against allotted seats	2	4th to 5th August, 2025

x) The waiting list shall be activated only on the expiry of date of main list: **Done by the Directorate of Technical Education, Assam**

xi) The policy of refund of the Fee, in case of withdrawal, shall be clearly notified: **As per AICTE guidelines**

12. Criteria and Weightages for Admission

i) Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.: **Marks in Admission Test has 100% weightage**

ii) Mention the minimum Level of acceptance, if any: **Marks in qualifying examination must be 50% for general, 45% for SC and 40% for ST category**

iii) Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years : **Done by the Directorate of Technical Education, Assam**

iv) Display marks scored in Test etc. and in aggregate for all candidates who were admitted: **Done by the Directorate of Technical Education, Assam**

13. List of Applicants

List of candidates whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. **Done by the Directorate of Technical Education, Assam**

List of candidates who have applied along with percentage and percentile score for Management quota seats (merit wise): **There is no Management quota seats**

14 Results of Admission Under Management seats/Vacant seats : **There is no Management quota seats**

i. Composition of selection team for admission under Management Quota **: NA**

ii. List of candidate who have been offered admission : **: NA**

iii. Waiting list of the candidate in order of merit to be operative from the last date of joining of the first list candidate : **: NA**

15. Information of Infrastructure and Other Resources Available

i. Number of Class Rooms and size of each

Room No.	Room type	Area (in m^2)
201	Classroom	80.52
202	Classroom	80.52
203	Classroom	80.52
204	Classroom	133.94
205	Classroom	134.39
206	Classroom	79.65
207	Classroom	133
210	Classroom	111
213 A	Classroom	79
213 B	Classroom	53
214	Classroom	79
215	Classroom	79
E1	Classroom	86.34
E2	Classroom	111.48
E3	Classroom	44.13
E4	Classroom	46.45
E5	Classroom	51.2
NB001	Classroom	94
NB002 A	Classroom	46
NB002 B	Classroom	48
NB003	Classroom	94
NB004	Classroom	94
NB005	Classroom	94
NB104	Classroom	92
NB105	Classroom	93
NB201	Classroom	94
NB202	Classroom	94

NB203	Classroom	94
NB204	Classroom	94
NB205	Classroom	95
RUSA-3	Classroom	45

ii. Number of Tutorial rooms and size of each : The existing class rooms are used as tutorial rooms.

iii. Number of Laboratories and size of each

Serial No.	Name of Laboratory	Size (m^2)
1	Survey	36
2	Geotechnical Engineering	108
3	Transportation Engineering	81
4	Environmental Engineering	54
5	Hydraulics Laboratory	756
6	Concrete Laboratory	162
7	Geology Laboratory	80
8	CAD Laboratory	74.32
9	Precision Measurement Laboratory	74.32
10	Production lab	139.35
11	Dynamics of Machine Lab	63.17
12	Engineering Mechanics Laboratory	9.3
13	Fluid Mechanics Laboratory	50.54
14	Microprocessor and embedded Lab	83.61
15	Digital Electronics Lab and Analog electronics Lab	112.32
16	DSP Laboratory and Control Lab	61.87
17	Power System Lab	83.61
18	Machine Lab	500
19	Power Electronics Lab	61.59
20	High Voltage Lab	48.5
21	Computer Lab	72.46
22	Basic Electrical Engineering Lab	68.84
23	MTech Lab	52.95
24	Server Room	8
25	Programming Lab One	94
26	Programming Lab Two	94
27	Embedded Computing Laboratory	32
28	Digital System Laboratory/ Microprocessor Laboratory/ Basic Electronics Laboratory	34
29	Analog and Digital Lab/ Microprocessor Lab	83.6
30	Instrumentation and Process Control lab	111.48
32	Computer Lab	83.6
32	Project Lab	23.22
33	Programming Lab.	58
34	Emebedded Lab.	58
35	Project Lab.	115
36	Physics Lab	250.84
37	Dark Room One	18
38	Dark Room Two	9
39	Chemistry Lab	250.84

Number of Workshops and size of each

Si No	Room type	Area (in m2)
1	MACHINE SHOP	234
2	FITTING SHOP	99
3	AUTOMOBILE LABORATORY	81
4	PATTERN MAKING SHOP	234
5	CARPENTRY AND PATTERN MAKING SHOP	234
6	FOUNDRY SHOP	234
7	SHEET METAL SHOP	234
8	WELDING SHOP	234

- Number of Drawing Halls with capacity of each

Room No.	Room type	Area (in m^2)
216	Drawing Hall	162.66
217	Drawing Hall	216.9

iv. Number of Computer Centres with capacity of each

NO	LOCATION	TOTAL NUMBER OF MACHINES
1	CENTRAL COMPUTER CENTRE	70
2	ELECTRICAL ME LAB (2) ELECTRICAL BE LAB	42
3	CIVIL LAB	27
4	INSTRUMENTATION LAB	15
5	CSE PROGRAMMING LAB TWO CSE EMBEDDED COMPUTING LAB	74
6	MECHANICAL CAD LAB	28
7	MCA LAB (4)	35

v. Central Examination Facility, Number of rooms and capacity of each

All Class rooms are available for Central Examination Facility.

vi. Online examination facility (Number of Nodes, Internet band width, etc.)

Jorhat Engineering College is equipped with the following Computational Facilities in the Central Computer Center in addition to other Departmental Computational Laboratories	
Server	IBM Rack Server: 2 Nos
Nodes	124 (Extendable to 150+) Nodes with New Machines with Windows 7 OS, Core 2 Duo Processor, 2 GB DDR – II RAM
LAN	All the Machines are connected in Single LAN
UPS	1) 20 KVA Online UPS- 1 No 2) 5 KVA Online UPS – 1No

Internet	All Machines are connected to Internet on non-sharing basis with speed of 100 Mbps through NKN Node

vii. Barrier Free Built Environment for disabled and elderly persons

The following facilities are available in Jorhat Engineering College for Disabled and Elderly persons

1. Ramp
2. Rest rooms
3. Toilets for disabled persons

viii. Fire and Safety Certificate

GOVT. OF ASSAM

OFFICE OF THE DIRECTOR

FIRE & EMERGENCY SERVICES, GUWAHATI

ASSAM

Form - G

UBIN : **290/794866/AAAJJ0845J/3/2023** UAIN : **FNESBNOCI/2023/00434**

NO OBJECTION CERTIFICATE OF INBUILT FIRE FIGHTING/ FIRE PREVENTION AND MEANS OF ESCAPE MEASURES IN APPLICATION FOR FIRE NOC FOR ONE STORIED / MULTI-STORIED / HIGH RISE BUILDING UNDER ASSAM FIRE SERVICE RULE 1989 (FORM NO I)

Hazard Category: **Low Hazard**

This NOC is issued to **Principal- Jorhat Engineering College** on **05/05/2023** with reference to Compliance Report No. **Nil** dated **22/03/2023**

I here by certify that the building as per description below at **Dag No. 940 Patta No. 62 Mouza Garmur Place Garmur , JORHAT** has been inspected in respect of implementation of inbuilt Fire Fighting,Fire Prevention and Means of escape measures and is declared fit in respect of fire safety. The Fire & Emergency Services, Assam has no objection in its occupation/ utilization for the purpose of:

DETAILS OF APPROVED OCCUPATION

S. No.	Floor	Floor Area	Purpose of Utilization
1.	GROUND FLOOR	6365 SQM	ACADEMIC BLOCK
2.	FIRST FLOOR	6365 SQM	ACADEMIC BLOCK

THIS NOC IS VALID UP TO **4/5/2026**

Place of issue : **GUWAHATI**

Date of issue : **05/05/2023**

Director of Fire and Emergency Services, Guwahati, Assam

(Subject to Conditions mentioned here under)

CONDITIONS :

1. There should not be any change of Trade for which this License has been issued.
2. There should not be any structural change in the building either horizontally or vertically. There should not also be any change in the existing arrangements.
3. The fire fighting equipments should be in serviceable condition at all time
4. Water reservoir should always be kept full up to brim

Reference No: FNESBNOCI/2023/00434 To View: https://eodb.assam.gov.in/t/Hfbw/03575128 Token No: 03575128

5. The entrance and exit and the water reservoir should always be free from any obstruction/projection.
6. The NOC is liable to be cancelled if the premises (for which the NOC is granted) when inspected are not found conforming to the description and condition under which this NOC is granted.

Director of Fire and Emergency Services,
Guwahati, Assam

Note : This certificate is computer generated and does not require any Seal/Signature.

Reference No: FNESBNOCI/2023/00434 To View: https://eodb.assam.gov.in/t/Hfbw/03575128 Token No: 03575128

ix. Hostel Facilities

There are 10 numbers of well-equipped hostels situated inside the campus. Out of these, 2 nos. of hostels (Hostel No. 9 & 10) are for girls' students, and rests are for boys' students. In the hostel breakfast, lunch, evening tea and dinner are provided to the hostel boarders. Average monthly fees to be paid in hostel is about Rs. 2000.00 Each hostel is equipped with 24 hours free high speed internet service, 24 hour uninterrupted power supply and running water. Besides the girl's hostels are facilitated with in campus warden, biometric attendance system, visitor's waiting room outside the gate and 24 hours gate keeper.

Hostel No.	Name of Superintendent	Mobile	Email	Capacity	Existing Boarders
1	Dr. Champak Kumar Bharali	9101447901	bharalick@gmail.com	75	52
2	Dr. Dhrubajyoti Baruah	9864321999	dhrubaghy@gmail.com	75	50
3	Dr. Pranabjyoti Haloi	8399074476	pranabjyoti2003@gmail.com	75	58
4	Dr. Diganta Kalita	9854158284	diganta211975@gmail.com	72	52
5	Dr. Debakanta Rabha	7896853210	devaktra@gmail.com	110	79
6	Mr. Papumoni Saikia	9435051950	papums123@gmail.com	90	45
7	Mr. Jiten Buragihain	9101481714	jitenborgohain2010@gmail.com	70	40
8	Mafidur Rahman	9435533233	mrahman1234@rediffmail.com	96	37
9	Ms. Dimpi Bora	8876581230	dimpibora2015@gmail.com	114	114
10	Mr. Ajoy Krishna Dutta	9678945387	dutta.krishna@gmail.com	94	94

x. Number of Library books/ebooks/Titles/Journals available (Programme-wise)

The Jorhat Engineering College Library consists of a Central Library and 5 departmental libraries which collectively support the teaching, research and extension programmes of the Institute. JEC Central Library was established in 1960 along with its college establishment year. The main objective of the library is to disseminate knowledge amongst its esteemed users through circulating the resources of the library. The library always serves its users with full dedication and honest. JEC central library is located in attached administrative building of the college with an area of 328.19 sq. meters at the ground floor. The library has a reading room facility with a capacity of 20 persons seating arrangement at a time.

1) Number of Library books/ Titles/ Journals available (Programme-wise)
    a. Number of books: 50,614
    b. Total number of titles: 29,391
    c. Print Journals available: 270

xi. List of online National/International Journals subscribed:

The Government of India has initiated **One Nation One Subscription (ONOS),** Central Sector Scheme of the Ministry of Education (MoE) to provide access to 13000+ journals from 30 Publishers from January 2025 onwards, and The INFLIBNET Centre, An IUC of UGC, Gandhinagar is entrusted an Implementing Agency for the Scheme.

Access enabled e-Resources

ASCE Online / American Physical Society / American Institute of Physics/ BMJ Journals/ Emerald Publishing/ ICE Publishing/ IEEE Journals / IndianJournals.com/ Institute of Physics/ Lippincott Williams & Wilkins (Wolters Kluwer)/ Oxford University Press/ Project Muse/ Sage Publishing/ SPIE Digital Library/ Springer Nature/ Taylor & Francis/ Thieme Publishing/ Wiley Publishing

xii. National Digital Library (NDL) subscription details

Ministry of Education
Government of India

Indian Institute of Technology
Kharagpur

National Digital Library of India

CERTIFICATE OF REGISTRATION

This is to certify that "**Jorhat Engineering College P.O. Jorhat-785007**" is registered as a NDLI Club under the National Digital Library of India.

NDLI CLUB PARTNER
National Digital Library of India
- LEARN. SHARE. GROW. -

Registration No.: INASNC48PSGQS4T

Date of Registration: 27/04/2022

Validity Extended Upto: 27/04/2025

Prof. K. P. Sinhamahapatra
Joint Principal Investigator
National Digital Library of India Project
Chairman
Central Library IIT Kharagpur

Dr. B. Sutradhar
Joint Principal Investigator
National Digital Library of India Project
Librarian
Central Library IIT Kharagpur

xiii. List of Major Equipment/Facilities in each Laboratory/Workshop

xiv. List of Experimental Setup in each Laboratory/Workshop

1. LABORATORY DETAILS OF CIVIL ENGINEERING DEPARTMENT

S. No.	**Name of Laboratory**	**Size (m^2)**	**Facilities in each laboratory**
01	Survey	36	1. Total Station 2. Auto Level
02	Geotechnical Engineering	108	1. Triaxial shear testing machine 2. Direct Shear testing machine 3. Unconfined compression testing machine 4. Vane shear apparatus 5. Consolidation apparatus
03	Transportation Engineering	81	1. Aggregate Impact testing machine 2. LA abrasion testing machine 3. Ductility testing machine 4. Benkelman Beam 5. Marlyn Measurement of roughness 6. Flash & Fire point measuring apparatus 7. Orifice Viscometer
04	Environmental Engineering	54	1. UV visible spectrophotometer 2. Flame photometer 3. BOD incubator 4. Muffle furnace 5. Distillation unit
05	Hydraulics Laboratory	756	1. Reynold's apparatus 2. Bernoulli's theorem apparatus 3. Free & forced vortex apparatus 4. Venturimeter & orifice meter 5. Hydraulic bench 6. Losses in pipes 7. Centrifugal pump 8. Pelton wheel turbine testing rig
06	Concrete Laboratory	162	1. Flextural Testing Machine 2. Tensile testing machine 3. Universal testing machine 4. Compression machine 5. Tiles flextural testing machine 6. Tiles abrasion testing machine
07	Geology Laboratory	80	1. DGPS 2. Optical Microscope 3. ARC GIS software 4. A0 size scanner 5. A0 plotter

2. LABORATORY DETAILS OF MECHANICAL ENGINEERING DEPARTMENT

Serial No.	**Name of the Laboratory**	**Size (m^2)**	**Major Equipment**	**Experimental Setup**
1	Applied Thermodynamics laboratory	--	Thermocouple calibration test rig (1No.), Double stage air compressor test rig (1 No.), Heat pump trainer (1 No.), Separating and throttling calorimeter test rig (1 No.), Vapor absorption refrigeration system (1 No.), Vapor compression refrigeration test rig (1 No.), Water cooling tower test rig (1 No.), Window air conditioner test rig (1 No.), Computerized VCR IC engine test rig (1 No.), Valve timing diagram (1 No.), Single stage compressor test rig (1 No.), IC engine test rig (load test) (1 No.), IC engine test rig (heat balance) (1 No.)	---
2	Applied Thermodynamics laboratory (for project and research works)	--	Combustion gas analyzer (MAKE. TESTO MODEL: TESTO 340) for measurement of CO, CO2, NOx, SO2 (1 No.), Hot air oven (Make: Equitron, Model-7051-091) (1 No.), Relative Humidity Sensor with data acquisition system (Make: TESTO, MODEL: T440) (1 No.), Data acquisition system (Make: Keysight Technology Model: 34972A+ 34901A) (2 Nos.), Precision weighing balance (accuracy 0.001 g) Make: Contech Instrument Ltd. Model: CAH-1003 (1 No.), Large weighing balance [(accuracy 5 g), 60 kg, Make: ESSAC DS 215] (1 No.), Bomb Calorimeter (1 No.), Pitot Tube [(1-30 m/s, 0 – 600 °C) Make: Testo] (1 No.), Pyranometer (Make Apogee Model SP-110) (1 No.), Thermocouples (K Type) (20 Nos.)	---
2	CAD Laboratory	74.32	COMSOL Multi-physics software: 1. Class Kit License (CKL) for 30 concurrent users 2. Single User CPU-locked License (CPU) 3. Desktop Computer = 30 nos. 8^{th} Generation, Intel Core™ i7-8700 (6 Cores/ 12MB/ 12T/ up to 4.6GHz/65W) 4. Soildworks Education Edition 2019: 60 perpetual licenses	For project work by the students
3	Precision Measurement Laboratory	74.32	Surface Roughness Measuring Tester (1 No.), Profile Projector (with qm-data 200 – 2d data processing unit) (1 No.), Electronic Balance (DIGITAL) (1 No.), Digimatic Height Gauge (1 No.), Data Logger (DIGITAL) (2 Nos.), Pyrenometer (OPTICAL) (2 Nos.), Micrometer (ANALOG) (7 Nos.), Micrometer (DIGITAL) (1 No.), Gauge Block Set (3 Nos.), Vernier Caliper (DIGITAL) (1 No.), Vernier Caliper (ANALOG DIAL) (1No.), Mini Sound Level Meter (DIGITAL) (1 No.), Hot Wire Anemometer (DIGITAL) (1 No.),	Study of Slip Gauges, Calibration of Micrometer Using Slip Gauges, Height Measurement using Height Gauge, Surface Roughness Measurement, Screw Thread Profile Measurement using

			Differential Pressure Manometer (DIGITAL) (1 No.), Rotameter (ANALOG) (1 No.), Pen Type Ph Meter (DIGITAL) (1 No.), Stop Watch (ANALOG) (1 No.), Dial Gauge (DIGITAL) Coupled With Flexible Stand With Magnetic Base (1 No.), Thermo-Anemometer (DIGITAL) (1 No.), High Temperature Infrared Thermometer (2 Nos.), Lathe Tool Dynamometer (DIGITAL) (1 No.), Drilling Tool Dynamometer (Digital) (1 No.), Milling Tool Dynamometer (Digital) (1 No.), Tool Maker's Microscope (1 No.), Metallurgical Microscope (2 Nos.), Thermometer (Mercury filled) (6 Nos.), Thermometer (alcohol filled) (1 No.), Sine Bar (1No.), Spirit Level (1 No.), Vibration Tester (1 No.)	Profile Projector, Calibration of Vernier Caliper using Slip Gauges
4	Production lab	139.35	1.Center Lathe 2.Precision Lathe 3.Turret Lathe 4.Tool Grinder 5.Milling Machine 6.Drilling Machine 7.Honing Machine 8.Capstan Lathe 9.Tool Maker's Microscope	Experimental Setups are based on the requirements of specific project by the students
5	Dynamics of Machine Lab	63.17	CAM ANALYSIS APPRATUS Make: Roorkee Equipment & Models PVT. LTD. Model: REM-TOM-05 (1 No.), BALANCING APPARATUS Make: Hero Electricals Works (1 No.), UNIVERSAL GOVERNOR Make: Roorkee Equipment & Models PVT. LTD Model1: REM-TOM-02 Model2:TM-14 (801057) (2 Nos.), SLIDER AND CRANK MECHANISM Make: Jorhat Engineering College (1 No.), GYROSCOPE Model:TM-12-801040 Make: Roorkee Equipment & Models PVT. LTD. Model: REM-TOM-01 (2 Nos.), EPICYCLIC GEAR TRAIN Make: Roorkee Equipment & Models PVT. LTD. Model: REM-TOM-10 (1 No.), JOURNAL BEARING APPARATUS Make: Roorkee Equipment & Models PVT. LTD. Model: Rotomax (1 No.), SLEEP AND CREEP APPARATUS Make: Roorkee Equipment & Models PVT. LTD. Model: REM-TOM-07 (1 No.), CORIOLLIS COMPONENT APPARATUS Make: Roorkee Equipment & Models PVT. LTD. (1 Np.), WHIRLING OF SHSFT APPARATUS Make: Roorkee Equipment & Models PVT. LTD. Model: REM-TOM-04 (1 No.), VIBRATION APPARATUS Make: Applied Research & Engineering Model: 789068 (1 No.)	Cam Analysis Apparatus, Universal Governor, Slider And Crank Mechanism, Epicyclic Gear Train, Sleep And Creep Apparatus, Vibration Apparatus, Balancing Apparatus, Gyroscope, Journal Bearing Apparatus, Whirling Of Shsft Apparatus, Coriollis Component Apparatus

6	Engineering Mechanics Laboratory	9.3	Polygon Law Apparatus (3 Nos.), Screw Jack (1 No.), Friction Slide Apparatus (2 Nos.), Bell Crank Lever Apparatus (1 No.), Parallel Force Apparatus (1 No.)	Law of Polygon of Forces, Parallel Force Apparatus, Rolling Friction Apparatus, Square Threaded Screw Jack, Bell Crank Lever, Force Polygon Apparatus (Universal Force Table), Sliding Friction Apparatus
7	Fluid Mechanics Laboratory	50.54	1. Venturimeter and Orificemeter Apparatus 2. Bernoulli's theorem Apparatus 3. Reynold's Apparatus 4. Loss in Pipe fitting Apparatus 5. Centrifugal Pump Test Rig 6. Impact of Jet Apparatus 7. Pelton Wheel Test Rig 8. Reciprocating Pump Test Rig 9. Redwood Viscosity Measurement Apparatus 10. Laminar Flow Test Rig 11. Blower Test Rig 12. Pressure Gauge Calibration Device	Same as equipment

3. LABORATORY DETAILS OF ELECTRICAL DEPARTMENT

Serial No.	**Name of the Laboratory**	**Size (m^2)**	**Major Equipment**	**Experimental Setup**
1	Microprocessor and embedded Lab	83.61	8085, 8086 and 8051 boards	APL on the 8085 boards
2	Digital Electronics Lab and Analog electronics Lab	112.32	Multi-sim & Lab-view software	Experiments on Digital gates, multiplexers, Flip Flops, Adder, Subtractors etc.
3	DSP Laboratory and Control Lab	61.87	Xylinx Software	Signal processing related experiments, Experiments for the Verification of the different Control System theories aspects
4	Power System Lab	83.61	Transformer, Motor, generator protection and AC transmission line simulators	
5	Machine Lab	500	Transformers, synchronous machines, AC & DC machines and Solid state DC converter	Load & open circuit tests in transformers, Load test in machines, Speed control of electrical machines

6	Power Electronics Lab	61.59	1ph and 3 ph fully controlled bridge converter. Cycloconverter, DC-DC boost and buck converter, power semiconductor & device trainer, thyristorised drive of 1 HP DC motor with CLC, speed control of 3 ph slip ring induction motor by static resistance compensation.	Transmission line simulators, Transformer & Machine simulators
7	High Voltage Lab	48.5	Sphere gaps, HV AC & DC kits, transformer oil testing kits.	Flash over test with insulators, insulation oil testing, experiments using Sphere gaps, HV AC & DC kits
8	Computer Lab	72.46	PCs	C & OOPL programming
9	Basic Electrical Engineering Lab	68.84	PMMC and MI instruments, watt-meters, energy meters and network theorems trainer boards.	Calibration of different measuring instruments, Verification of the network theorems, Measurement of power & power factor
10	MTech Lab	52.95	PCs, Control system based Quanser Software	

4. LABORATORY DETAILS OF COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Serial No.	**Name of the Laboratory**	**Size (m^2)**	**Major Equipments**	**Experimental Setup**
1	Server Room	8	**High performance computing master node** (1x6 Core Intel Xeon Gold 5118 (2.3GHz/12-core/105W) Processor, 16GB (1x16GB) Dual Rank x4 DDR4-2666, Integrated RAID Controller configured for RAID 5, 2x300GB SATA/SAS HDD for O/S, 20 TB Storage HDD) **High Performance Computing (Compute node one):** Two Intel Xeon Gold 5120 processors, Intel C600 series chipset or higher, 128 GB DDR4 RAM upgradable up to 768 GB, 3 x 2 TB NL SAS 7.2 K RPM Hot Plug HDD, PCIe 3.0 slots, Integrated RAID Controller Support for RAID 0,1,5; configured for RAID 5, 2 X 10 G Integrated gigabit Ethernet card SFP+, one NVIDIA Tesla V100 GPU Card, Cent OS **High Performance Computing (Compute node two):** Two Intel Xeon Silver 4110 processors, Intel C600 series chipset or higher, 128 GB DDR4 RAM, 3 x 2 TB NL SAS 7.2 K RPM Hot Plug HDD, PCIe 3.0 slots,	Parallel programming GPU programming Database Server Web Server High performance computing

			Integrated RAID Controller configured for RAID 5, 2 X 10 G Integrated gigabit Ethernet card SFP+, Cent OS **Programming Server** (INTEL XEON 2.2 GHZ, 32GB RAM, 900 GB SAS HDD, Linux, Dell PowerEdge R520)	
2	Programming Lab One	94	**Thirty-six Desktop Computers** (CORE i7 4.6 GHZ, 8GB DDR-4, 1TB HDD, WIN-10 PRO)	Practical on DBMS, DSA, OOP, Web technology, Compiler construction, Network programming, Operating system internals, Java, Python
3	Programming Lab Two	94	**Thirty-seven Desktop Computers** (CORE i3 3.30 GHZ, 4GB DDR-3, 320 GB, WIN-7 PRO)	Practical on DBMS, DSA, OOP, Web technology, Compiler construction, Network programming, Operating system internals, Java, Python
4	Embedded Computing Laboratory	32	**Twenty-four Desktop Computers** (CORE i7/i-5/i-3, 8/4 GB DDR-4/DDR-3, 1TB/500GB HDD, WIN-10/WIN-8) Educational Practice Board for 8051, ARM 7, ARM Cortex M3 JTAG Debugger for Cortex M3 All-in-one General Purpose Board Zig-Bee Interfacing Kit TFT/Touch Screen Interfacing Kit, Raspberry pi kit, Arduino kit and interfacing units	Practical on embedded computing
5	Digital System Laboratory	34	Trainer kits for combinational and sequential logic, ICs, bread board, LEDs	Implementation of sequential and combinational logic
6	Microprocessor Laboratory		8085 Microprocessor Trainer, 8086 Microprocessor Trainer	Microprocessor programming
7	Basic Electronics Laboratory	34 ---	Kits for performing experiments on diode and transistor characteristics, Zener Diode Characteristics, Oscilloscope, Signal/Function Generator Multiple DC Power Supply digital multi-meter, IC Tester, ICs for logic gates, bread board, LED	Experiments on electronic devices

5. LABORATORY DETAILS OF INSTRUMENTATION ENGINEERING DEPARTMENT

Serial No.	Name of the Laboratory	Size (m^2)	Major Equipment	Experimental Setup
1	Analog and Digital Lab	83.6	Analog System Lab Trainer (3), Electrical & Electronics System trainer (5), Semiconductor & Power Semiconductor Device Experiment Panel (1), Transistor Application Trainer (1), Half	Analog System Lab Trainer, Electrical & Electronics System trainer, semiconductor & Power semiconductor Device Experiment Panel, Transistor Application Trainer

			adder & full adder kit (1), Logic gate trainer kit (1), Flip Flop and Counter Trainer Kit (1), Multiplexer & Demultiplexer Kit (1), Function Generator (3), Digital Storage oscilloscopes (4), Regulated Power supply 0 to 30V (1), Rheostat (10), Multi meter (6), Function Generator (3), Bead Board Panel (6), Logic gate Trainer Kit (1)	Logic gate Trainer Kit, Half adder & full adder kit, Logic gate trainer kit, Flip Flop, Counter Trainer Kit, Multiplexer & Demultiplexer Kit
	Microprocessor Lab		USB Programmer (01), 8085 Microprocessor Kit (08), 8051 Board (04), EXPANDABLE INTERFACE MODULES (1), 8 Channel ADC interfacing kit (01), EXPANDABLE INTERFACE MODULES (2), Elevator control system kit (01), EXPANDABLE INTERFACE MODULES (3), Stepper motor controller interfacing kit (01), EXPANDABLE INTERFACE MODULES 4 Keyboard display interfacing kit (01), EXPANDABLE INTERFACE MODULES 5, 7 segment LED interfacing kit (01)	USB Programmer 8085 Microprocessor Kit, 8051 Board, Expandable Interface Modules 1(8 Channel ADC interfacing kit), Expandable Interface Modules 2(Elevator control system kit), Expandable Interface Modules 3(Stepper motor controller interfacing kit), Expandable Interface Modules 4(Keyboard display interfacing kit), Expandable Interface Modules 5(7 segment LED interfacing kit)
2	Instrumentation and Process Control lab	111.48	Digital Multi meter (10), Function Generator (06), Air Compressor unit (01), LVDT trainer kit (01), Multiple Flow meter (01), Orifice Meter (01), Thermocouple (01), Thermistor (01), Torque transducer (cantilever type) (01), Load cell and load bench (01), I/P -P/I converter (01), Optical weight bench (01), LDR trainer kit (01), Vibration meters (01), Proximity sensors (01), Temperature sensor (01), Universal Temperature Sensors (01), 100 bar Pressure Transducer With 3-Meter-long cable & Digital Indicator (01), Blood pressure Measurements (01), Humidity/moisture/Density instruments (01), Hot wire Anemometer (01	**Instrumentation Lab-I (Basic Transducers Lab):** LVDT trainer kit; Proximity sensors; Displacement Sensing Transducer Characterization of various transducers like LVDT, Cantilever beam, vibration sensor, thermocouple, Thermistor; Universal Temperature sensor etc Multiple Flow meter; Orifice Meter Load cell and load bench and Torque transducer (cantilever type) I/P -P/I converter LDR trainer kit 100 bar Pressure Transducer With 3-Meter-long cable & Digital Indicator **Instrumentation Lab-II (Basic Analytical Measurement**):

			), Pressure/Force Sensors (01), Displacement Sensing Transducer (1), Temperature Calibrator (01), Multifunction Calibrators (01), DC power supply (01), Temperature Calibrators (01), PC Based control of Pressure, Temperature, air flow Using PID as well as ratio, Cascade & Feed forward control Schemes (01), Temperature control Trainer (01), Multi-channel-ECG Machine (01), Respiratory Analyzer (01)	Humidity/moisture/Density measurement; Flow Measurement-Hot wire Anemometer Measurement of Pressure/Force (Air Compressor unit available) Temperature Calibrator; Multifunction Calibrators Multi-channel-ECG Machine Respiratory Analyzer **Instrumentation Lab-III (Instrumentation Systems Lab):** PC Based control of Pressure, Temperature, air flow Using PID as well as ratio, Cascade & Feed forward control Schemes. PC Based Temperature control Trainer, 32 channel EEG Acquisition Unit equipped with electrodes, amplifier and A/D Converter, Measurement of Optical fibre Characteristics with different physical inputs (Optical Bench with all accessories), Detection of Cardiac Irregularities on human Blood Pressure Model; Study and design of ladder diagram for Programmable Logic Controller (PLC), Study of real-time audiometer setup, Automatic Irrigation system: Study the sampling and quantization of analog sensor outputs, to study the characteristic AIS for different value of set point etc.
3	Control & DSP Lab (Both hard & soft mode)	--	Software available: MATLAB, LabVIEW and Multisim etc.	i)Familiarization with MATLAB coding language and SIMULINK tool box ii)Develop step and impulse responses of a linear first-order systems iii)Develop step and impulse responses of a linear second-order system iv)Illustrate steady state errors for a type ‘0’, type ‘1’, type ‘2’ systems using MATLAB v)Construct Root locus plot of a second-order system using MATLAB

				vi)Experiment with Bode plot of a second-order system using MATLAB vii)Construct Nyquist plot of a second-order system using MATLAB viii)Examine the effect of a forward-path lead compensator of a linear feedback control system ix)Analyse the effect of addition of zeros to the forward path transfer function of a closed loop system x)Analyse the effect of addition of poles to the forward path transfer function of a closed loop system xi)Speed control of DC motor i)Characterization of various transducers like LVDT, Cantilever beam, vibration sensor, thermocouple etc. ii)Simulation of different probability density functions. iii)Signal representation, verification of sampling theorem, computation of circular convolution, FFT. iv)Study of filtering by convolution, implementation of filters on DSP starter Kit. v)Estimation of power spectral density. vi)Application to biomedical signal. vii)To study I/O characteristics of various transducers using LabVIEW and Arduino
4	Computer Lab	83.6	Fifteen desktop computers MATLAB, LABVIEW and MULTISIM software	--
5	Project Lab	23.22	Power Supplies, Function Generators, Digital Storage Oscilloscope, Multi meters, Bread Board and connecting wires, Soldering gun, lead, flux etc., Microprocessor and Microcontroller Development Boards, Models of old projects	--

6. LABORATORY DETAILS OF COMPUTER APPLICATION (MCA) DEPARTMENT

Serial No.	Name of the Laboratory	Size (m^2)	Major Equipment	Experimental Setup
1.	PROGRAMMING LAB.	58	IBM SYSTEM X 3550 RACK MOUNT SERVER, PC	CLIENT-SERVER BASED PROGRAMMING SETUP.
2.	EMEBEDDED LAB.	58	ANALOG-DIGITAL TRAINER [MODEL- XPO-ANADIGI], 20MHZ DUAL TRACE OSCILLOSCOPE AN102	EMBEDDED PROGRAMMING
3.	PROJECT LAB.	115	PC WITH OTHER BASIC ACCESSORIES.	SOFTWARE DEVELOPMENT SETUP

7. LABORATORY DETAILS OF PHYSICS DEPARTMENT

Serial No.	Name of the Laboratory	Size (m^2)	Major Equipment	Experimental Setup
1	Physics Lab	250.84	Hall Effect apparatus, Planck's constant measurement apparatus, Ultrasound kit, Semiconductor band gap measurement apparatus, Millikan's oil drops experimental kit, Michelson interferometer, Inverse square law kit, Thermocouple, Laser sources, An astronomical telescope	Determination of the Young's modulus of the material of a wire by Searle's apparatus, Determination of the Young's modulus of a beam by bending, Determination of the value of acceleration due to gravity at a place with Kater's pendulum, Finding the wavelength of Sodium light by Newton's ring method, Determination of the value of J (Mechanical equivalent of heat) with Joule's Calorimeter, Determination of the specific heat of a liquid by the method of Newton's law of cooling, Determination of the value of H(Earth's Horizontal intensity) in the laboratory by using deflection and vibration magnetometers, Determination of the value of low resistance by potential difference method using potentiometer, Determination of the resistance of a galvanometer by Thomson's method, Studying a PN junction diode by plotting characteristic curves, Determination of the co-efficient of viscosity of a liquid by its flow through a capillary tube, Determination of the moment of inertia of a body about an axis passing through its centre of gravity, Determination of the frequency of a tuning fork by a sonometer, Finding

				the moment of inertia of a fly wheel, Determination of the refractive index of the material of a glass prism by drawing the I-D curve for a ray passing through the prism with the help of a spectrometer, Finding the resonant frequency of series and parallel resonant circuits, Determination of time constant by studying charging and discharging of a capacitor, Determination of the input and output characteristics of a transistor
2	Dark Room One	18	---	---
3	Dark Room Two	9	---	---

8. LABORATORY DETAILS OF CHEMISTRY DEPARTMENT

Serial No	Name of the Laboratory	Size (m^2)	List of major equipment / facilities	Experimental Setup
1	Chemistry Lab	250.84	Atomic absorption spectrometer (1 number), Spectrophotometer (2 numbers), Colorimeter (1 number), Digital Balance (2 numbers), pH meter (4 numbers), Water distillation unit (1 number), Conductometer (4 numbers), Water softening equipment	Qualitative analysis, Quantitative analysis, pH determination, Surface tension determination, Co-efficient of viscosity determination, Paper chromatography, Water hardness determination

9. Workshop

Name	Size of laboratory/ workshop	List of major equipment / facilities	List of experiment setup (No. of Running Experiment)
MACHINE SHOP	26 X 9 m^2	Centre Lathe Machine (Belt Drive)=13Nos. Turret Lathe =1Nos. Shaper Machine= 3Nos. Drill Machine=2 Nos. Cylindrical Centre type Grinder =1Nos. Universal Tool Grinder=1Nos. Buffering and Polishing Machine =1Nos. Hydraulic Power Saw Machine =1Nos Slotting Machine =1Nos . Radial Drill Machine =1Nos . Planner machine =1Nos . Vertical Milling Machine =2Nos . Universal Milling Machine =1Nos. Double Ended Grinding Machine =2Nos. Centre Lathe Machine(all gear)=3Nos.	Experiments: Facing, Drilling, Plane turning, Taper Turning, Knurling ,Square grooving ,Steep Turning ,Chamfering, Thread cutting etc. **2)Drill Machine** : All Drill Operation . **3)Universal Milling Machine** : Gear teeth cutting , Spur Gear, Face Milling etc.{exp} **4)Shaper Machine** :Surface Planning , Slot cutting etc . **5)Universal Grinder**: Cutting tool Grinding, Job polishing etc. **6)Hydraulic Power Saw**: Material parting.

		Universal Tool Grinder =1Nos. Hand Drill Machine =1Nos. Centre Lathe(all gear)H.M.T.=1Nos.	
FITTING SHOP	11 x 9 m^2	1)Bench Vice 2)Pipe Vice 3)Soap Sawing Machine 4)Bench Drilling Machine 5) Pillar type Drilling Machine 6)Grinding Machine 7) Power Saw Machine 8)Hand Searing Machine	1) Soap Sawing Machine 2)Bench Drilling Machine 3) Pillar type Drilling Machine 4) Power Saw Machine
AUTOMOBILE LABORATORY	9 x 9 m^2	1)Battery charger 2)Air Compressor 3)Model of jeep 4) Diesel Engine 5) Petrol Engine 6)Type of Wrenches	1) Assembling and Refitting the removing parts of Diesel and Petrol Engine
PATTERN MAKING SHOP	26 x 9 m^2	1) Wood turning Lathe Machine 2)Grinding Machine	5 Nos. of Carpenter Wood Turning Lathe Machine is in Running condition & used in student's practical .
CARPENTRY AND PATTERN MAKING SHOP	26 x 9 m^2	1)Circular Saw Machine 2)Universal wood working Machine 3)Band Saw Machine 4)Wood Planning Machine 5)Grinding Machine	1) Circular saw machine 2) Grinding Machine
FOUNDRY SHOP	26 x 9 m^2	1)Electric Furnace 2)Oil fired Tilting furnace 3)Pit Furnace 4)Sand Basin (ground Type) 5) Casting Bed	Green Sand Moulding -- Open Mould Close Mould Pit Mould Electric Furnace is used in melting Aluminium .
SHEET METAL SHOP	26 x 9 m^2	1)Motorized Plate Bending Machine 2)Edge Folding Machine 3)Hand Operator turneated Folding machine 4)Universal Sheet Bending machine 5) Hand operator conical bending machine 6)Power operator shearing Machine 7)Hand Shearing Machine 8)Portable Electric Shearing Machine 9)Motorized circle cutting Machine 10)Hand Operated Circle Cutting Machine 11)Hand Operated Notching Machine 12)Corner Cutting Machine 13)Automatic top &bottom Seaming Machine 14)Side Seaming Machine	

		15)Double Body Fly Press Machine 16)Pipe Bending Machine 17)Pillar Type Drill Machine 18)Flexible Shaft Grinder 19)Hand lever Pouching Machine 20)Rivet Pouching Machine 21)Welding Machine	
WELDING SHOP	26 x 9 m^2	1)Arc Welding (Air Cool) 2)gas Welding(oxy –acetylene 3)Grinding Machine (Pillar Type) 4)TIG Welding 5)MIG welding 6) Spot welding 7)DC generator welding machine	1)Arc welding machine (EXP.No=1) 2)welding and cutting (exp no.=2) 3)Gas welding (Exp no.=2) 4)Grinding Machine (Exp no.=1) 5)TIG welding (Exp No=1)

• Computing Facilities

- **Internet Bandwidth: 1 Gbps dedicated link by NKN**
- **Number and configuration of System**

NO	Location	PROCESSOR	RAM	MOTHER BOARD	HARD DISK	BRAND	O/S	TOTAL NUMBER OF MACHINES
1	ELECTRICAL ME LAB	CORE i5-3.2GHZ	4GB DDR-3	OEM	500GB	HP	WIN-8.1 64 BIT	**42**
	ELECTRICAL ME LAB	CORE 2 DUO 3.2GHZ	4GB DDR-3	OEM	320 GB	ACER	WIN-7 PRO	
	ELECTRICAL BE LAB	CORE i3-3.3GHZ	4GB DDR-3	OEM	320 GB	HCL	WIN-7 PRO	
2	CIVIL LAB	CORE i3-3.6GHZ	4GB DDR-3	OEM	500 GB	HP	WIN-7 PRO 64 BIT	**27**
3	COMPUTER CENTRE LAB	CORE i3-3.2 GHZ	8GB DDR-4	OEM	1TB	HP	WIN-10	**70**
	COMPUTER CENTRE LAB	CORE i3-3.6 GHZ	4GB DDR-3	OEM	500GB	DELL	WIN-8 64 BIT	
	COMPUTER CENTRE LAB	CORE 2 DUO 3.06 GHZ	2GB DDR-3	OEM	320 GB	ACER	WIN-7 PRO	
4	INSTRUMENTATION LAB	CORE i7 3.2 GHZ	8GB DDR-4	OEM	1TB	DELL	WIN-10 PRO	**15**
5	CSE Programming Lab Two	CORE i3 3.30 GHZ/ CORE i7	8GB /4GB DDR-3	OEM	1 TB/320 GB	DELL/HCL	WIN-7 PRO	**74**

	CSE Embedded Computing Lab	CORE i7/i-5/i-3	8/4 GB DDR-4/DDR-3	OEM	1TB/500GB	DELL/HP	WIN-10/WIN-8	
6	MECHANICAL CAD LAB	CORE i7-3.2 GHZ	8GB DDR-4	OEM	1TB	DELL	WIN-10 PRO	**28**
7	MCA LAB	CORE i3-3.26GHZ	2GB DDR-3	OEM	500 GB	DELL	WIN-7	**35**
	MCA LAB	CORE i5-GHZ	8GB DDR-4	OEM	1TB	DELL	WIN-10	
	MCA LAB	CORE i3 4.6GHZ	4 GB DDR3	OEM	500GB	HP	WIN-7	
	MCA LAB	CORE 2 DUO	2 GB DDR-3	OEM	320 GB	ACER	WIN-7	

- **Total number of system connected by LAN :** All the systems connected by LAN
- **Total number of system connected by WAN :** Firewall Connected by WAN Link

• Major software packages available

Name of software	Specification
MATLAB	MATLAB with tool box, concurrent Network License, Academic version, Perpetual license
E-TABS	ETABS Ultimate V-2015– 10 users, Education and Research License
SAP-2000 VER18	SAP2000 Ultimate V-18 – 10 users, Education and Research License
CSI BRIDGE 21	CSI Bridge V 21 Advanced , 15 users license (Perpetual)
PLAXIS 2D 2016	**PLAXIS 2D (2016) Suite:** PLAXIS 2D suite includes all the 2D module of PLAXIS family. **Basic Module** – This includes static elasto-plastic deformation, advanced soil models, consolidation, updated mesh and steady state groundwater flow. **Dynamics Module** - The PLAXIS Dynamics module one can analyze the effects of vibrations in the soil. **PlaxFlow** – PlaxFlow is a finite element package that can be used to analyze two-dimensional unsaturated and time-dependent groundwater flow. This offers the possibility to take into account the influence of flow on soil deformation and stability. **UDSM** – User defined Soil Model **2D Thermal** - Temperature and heat flux distribution in soil and structures (Available in 2D Only)
MIKE -2020	MIKE 21C Powered by DHI, Latest Version , Perpetual in nature
COMSOL	COMSOL Multi-physics software: 1. Class Kit Licence (CKL) for 30 concurrent users 2. Single User CPU-locked : License (CPU)
Soildworks	Education Edition 2019 : 60 perpetual license OLIDWORKS
ANSYS	ANSYS Academic Research EM software (Full Capability, Infinite node & Perpetual License for 5 Users)
Xilinx	Xilinx Vivado system edition with Partial Reconfiguration Lab –HLx Edition with following features (25 user license; perpetual type; version:- latest)
LabVIEW	LabVIEW Academy Package Suite (Research License) ----- 5 users Toolkit and Modules a. NI LabVIEW Adaptive Filter Toolkit

	b. NI LabVIEW DataFinder Toolkit c. NI LabVIEW Desktop Execution Trace Toolkit d. LabVIEW Digital Filter Design Toolkit e. NI Real-Time Execution Trace Toolkit f. LabVIEW Application Builder g. LabVIEW FPGA Module h. LabVIEW MathScript Module i. LabVIEW Real-Time Module j. LabVIEW Robotics Module k. LabVIEW SoftMotion Module l. LabVIEW Statechart Module m. Modulation Toolkit n. NI LabVIEW PID and Fuzzy Logic Toolkit o. NI LabVIEW Simulation Interface Toolkit p. NI Sound and Vibration Toolkit q. NI LabVIEW System Identification Toolkit r. Vision Builder for Automated Inspection s. Vision Development Module t. NI Electrical Power Measurement Palette u. LabVIEW Biomedical Toolkit

xv) Innovation Cell

The Committee for *Institute Innovation Cell*, JEC is constituted with the following members. **The coordinator of the** *Institute Innovation Cell* **will take responsibility to organize the monthly meeting.**

Memo No. JEC/Estt/2025/15435-45 Dated Jorhat the 12/11/25

1. Dr. Diganta Baishya, Associate Prof. CSE Dept. : Coordinator
2. Dr. Diganta Hatibaruah, Prof. Mechanical Engg Dept. : Member
3. Dr. Nitish Bhardwaj, Assistant Prof. Mechanical Engg Dept. : Member
4. Dr. Nipan Kr Das, Assistant Professor, Electrical Engg Dept : Member
5. Dr. Dhrubajyoti Baruah, Associate Professor, MCA : Member
6. Mr. Rajib Chakrabarty, Assistant Professor, CSE Dept : Member
7. Ms. Ritika Agarwal, Assistant Professor, Humanities Dept. : Member
8. Mr. Ankur Kaman : Students member
9. Ms. Darshana Das : Students member
10. Mr. Rahul Saikia : Students member
11. Mr. Bitupan Das : Students member

xvi) Social Media Cell

The Committee for *Social Media Cell*, JEC is constituted with the following members. **The coordinator of the** *Social Media Cell* **will take responsibility to organize the monthly meeting.**

Memo No. JEC/Estt/2025/15635-36 Dated Jorhat the 3rd December 2025

1. Dr. Monisha Pathak, Prof. Instrumentation Engg Dept. : Coordinator
2. Ms. Sayanika Saikia, Assistant Professor, Chemistry Dept. : Member
3. Mr. Manash Pratim Gogoi, Assistant Prof. Civil Engg Dept. : Member
4. Ms. Rishika Sharma : Students member

xvii) Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments : NA

xviii. To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website : Available in college website www. Jecassam.ac.in

xix. Games and Sports Facilities

The College provides following sports facilities to the students:

1. Playground for outdoor games
2. Gymnasium
3. Indoor stadium

xx. Teaching Learning Process

The following processes are followed to maintain the Teaching & Learning

1. **Adherence to academic calendar**

All academic activities like beginning and end of classes, internal assessment examinations are conducted as per academic calendar.

2. **Maintenance of course file:**

The course files containing Teaching plan, Lesson plan, attainment of course outcomes. A critical review of attainment is conducted for future references and improvement.

3. **Use of various instructional methods and pedagogical initiatives**:

The faculty members are using audio visual aids in teaching. The class rooms are equipped with camera and audio-visual system for recording of live classes and videos are uploaded for future reference of the students. Many real time projects are assigned to students for improvement of learning.

4. **Support of weak students:**

Innovative student centric methods are adopted by faculty members for identification of weak students and their improvement.

xxi. For each Post Graduate Courses give the following:

xxii. Title of the Course

A. INSTRUMENTATI ON AND CONTROL ENGINEERING
B. CIVIL ENGINEERING
C. MASTER OF COMPUTER APPLICATIONS

xxiii. Laboratory facilities exclusive to the Post Graduate Course

A. INSTRUMENTATI ON AND CONTROL ENGINEERING : Use existing laboratory facility
B. CIVIL ENGINEERING : Use existing laboratory facility
C. MASTER OF COMPUTER APPLICATIONS

Serial No.	Name of the Laboratory	Size (m^2)	Major Equipment	Experimental Setup
1.	PROGRAMMING LAB.	58	IBM SYSTEM X 3550 RACK MOUNT SERVER, PC	CLIENT-SERVER BASED PROGRAMMING SETUP.
2.	EMEBEDDED LAB.	58	ANALOG-DIGITAL TRAINER [MODEL- XPO-ANADIGI], 20MHZ DUAL TRACE OSCILOSCOPE AN102	EMBEDDED PROGRAMMING
3.	PROJECT LAB.	115	PC WITH OTHER BASIC ACCESSORIES.	SOFTWARE DEVELOPMENT SETUP

16 Enrolment and placement details of students in the last 3years

Batch 2021- 2025

Branch	No. of students appeared	No. of students passed	No. of dropout students	No. of company visited	No of students placed in IT	No of students placed in Non IT	TOTAL OFFERS	Lowest Package in lakhs	Highest package in lakhs
Civil UG	78	80	2	1	0	1	1	13	13
CSE UG	60	63	0	5	15	1	16	4	13
Electrical UG	55	54	2	6	0	10	10	4	13
Instrumentation UG	25	25	1	3	0	6	6	5	13
Mechanical UG	82	71	3	5	0	12	12	4	13
MCA	29	30	2	0	0	0	0	-	-
Electrical PG	1	1	0	0	0	0	0	-	-
Civil PG	9	10	0	0	0	0	0	-	-

Batch 2020-24

Branch	No. of students appeared	No. of students passed	No. of dropout students	No. of company visited	No of students placed in IT	No of students placed in Non IT	TOTAL OFFERS	Lowest Package in lakhs	Highest package in lakhs
Civil UG	90	90	17	4	0	5	5	5	6
CSE UG	71	71	2	8	25	4	29	4	13
Electrical UG	56	56	4	6	1	9	10	4	13

Instrumentation UG	20	20	1	6	0	7	7	4	13
Mechanical UG	93	93	6	9	3	28	31	4	13
MCA	28	28	0	4	2	0	2	4	4
Electrical PG	7	7	3	0	0	0	0	0	-
Civil PG	15	15	1	0	0	0	0	0	-

Batch 2019-23

Branch	No. of students appeared	No. of students passed	No. of dropout students	No. of company visited	No of students placed in IT	No of students placed in Non IT	TOTAL OFFERS	Lowest Package in lakhs	Highest package in lakhs
Civil UG	86	88	2	9	2	15	17	4	18
CSE UG	59	61	2	13	46	6	52	4	18
Electrical UG	51	52	1	10	8	15	21	4	18
Instrumentation UG	12	12	0	4	2	3	5	4	13
Mechanical UG	89	94	5	15	27	29	56	4	18
MCA	6	16	10	4	4	0	4	4	4
Electrical PG	4	5	1	0	0	0	0	0	0
Civil PG	0	0	0	0	0	0	0	0	0

17 List of Research Projects/Consultancy Works

Number of Projects carried out, funding agency, Grant received :

Consultancy services to PMGSY by Civil Engg Dept, JEC as State Technical Agency for Nagaland, Arunachal Pradesh and Upper Assam.

18. MoUs with Industries

1. Numaligarh Refinery Limited, Assam
2. Power Grid Corporation of India Limited
3. Automovill Technology
4. DS SYSTEMS PVT. LTD., Odalbakra, Guwahati
5. Dithok Technology LLP
6. Assam Startup- The Nest through IIM Kolkata innovation park
7. North East small scale Industry Association
8. SEWA(Socio Economic Cultural Educational Research and Development), Khongia Gaon, Jorhat Assam
9. Bureau of Indian Standards, Manak Bhavan, New Delhi