

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

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

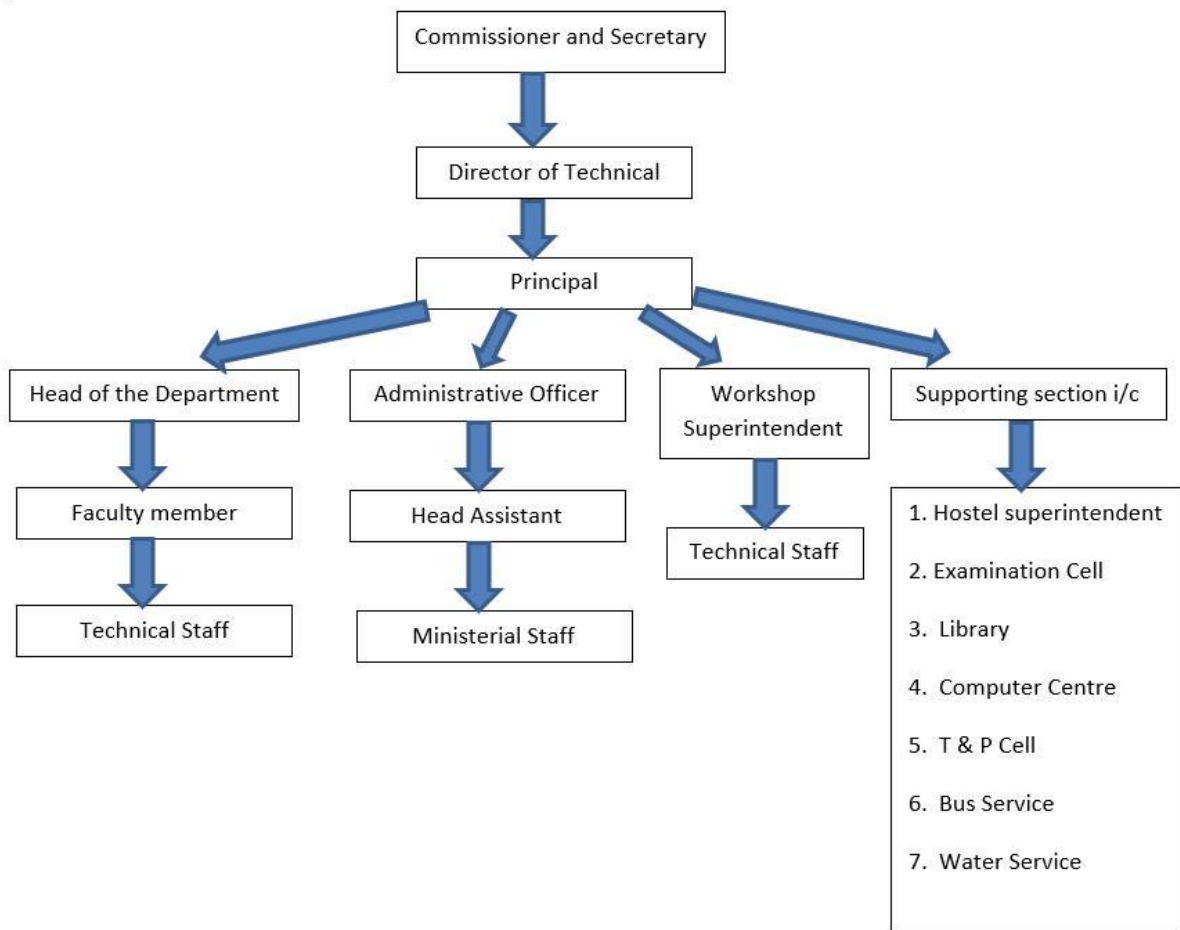
• Members of Academic Advisory Body

1. Dr. R. Baruah, Principal, Jorhat Engineering College (Chairman)
2. Dr. P.K. Khaund, Professor & HoD, Civil Engineering
3. Dr. R. Nath, Professor & HoD Mechanical Engineering
4. Dr. N. Baruah, Professor & HoD Instrumentation Engineering
5. Dr. A.B. Kandali, Professor & HoD, Electrical Engineering
6. Dr. D. Hatibaruah, Professor, Mechanical Engineering Department
7. Dr. M. Buragohain, Professor, Electrical Engineering
8. Dr. A. Bhattacharjee, Professor, Civil Engineering
9. Mr. S. Rahman, Assistant Professor, Physics
10. Mr. R. Islam, Associate professor, Mathematics

• Frequently of the Board Meeting and Academic Advisory Body :

Once in every semester.

• Organizational chart and processes



Position	Function
Commissioner & Secretary to Govt. of Assam, Education Department	<ul style="list-style-type: none"> ➤ Frame directive, policies and principles ➤ Approves all financial, administrative and other policy making decisions ➤ Appoint Gazetted staff ➤ Approve budgets
Director of Technical Education, Assam	<ul style="list-style-type: none"> ➤ Frame and implement all directive, policies and principles ➤ Prepare and allot budgets for technical institutes ➤ Appoint non-gazetted staff
Principal	<ul style="list-style-type: none"> ➤ 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

	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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
Academic Cell i/c	<ul style="list-style-type: none"> ➤ Prepares Academic Calendar for the college ➤ Prepares class time tables ➤ Prepares internal examination schedules ➤ Ensures smooth conduction of internal and university examinations ➤ Assists Principal in taking academic decisions
Hostel Superintendent	<ul style="list-style-type: none"> ➤ Manages the hostel ➤ Maintains discipline in the hostel ➤ Ensures smooth functioning of the hostel ➤ Maintains academic and congenial environment in the hostel
Training & Placement Officer	<ul style="list-style-type: none"> ➤ Acts as liaison with industries ➤ Arranges students training ➤ Arranges campus interviews ➤ Conducts in-house training programme to enhance graduate employability

• **Nature and Extent of involvement of Faculty and students in academic affairs/ improvements**

Delegation of powers

As far as arriving at the various administrative decisions, different committees have been set up. Further, a core committee involving HODs under the chairmanship of Principal will look after the various administrative and academic issues propping up from time to time. The HODs of the department are given the responsibility for smooth running of department and taking decisions of various academic and administrative issues related to the department and report to the Principal if required. The names of the faculty members who have been delegated powers for assisting in taking administrative decisions are listed in the table below.

● Mechanism/ Norms and Procedure for democratic/ good Governance

The College is a Government college and abides by all rules and regulations of Govt. of Assam. The Principal of the College is the sole Drawing and Disbursing Officer (DDO). All the payments are made after obtaining approval and signature from Principal. The HODs of the departments send the requirements of the department and make expenditure after getting approval from Principal. The payments are made by the Principal after submission of proper bill with recommendation of payments by HOD of the department.

● Student Feedback on Institutional Governance/ Faculty performance

The feedback on facilities is obtained at the end of final semester from the outgoing batch of students of the college. The parameters on which feedback is taken include some of the academic facilities such as adequacy of classrooms, laboratories, library, central computing facility, internet availability, hostel facility, sports facilities, etc. The questioner to collect the feedback on facilities is given below:

1. How would you rate the availability of adequate class rooms equipped with modern equipment and internet facility?
2. How would you rate the availability of smart seminar halls in the departments?
3. How would you rate the availability of well-equipped laboratories in the departments?
4. In your opinion, how is the availability of high speed internet connectivity in college buildings and hostels?
5. How would you rate the central computing facility in your college?
6. How would you rate the facilities for indoor games and outdoor games?
7. In your opinion, how is the library facility in term of books, modern tools and access time?
8. How would you rate the hostel facility for boys and girls?
9. How would you rate the facilities available for cultural activities?
10. In your opinion, are there enough recreational facilities available in the premise?
11. How would you rate the availability of cafeteria and canteen in the campus?
12. In your opinion, how are the facilities for pursuit of a technical hobby through self-learning?
13. How do you rate the facilities in the college for pursuit of literary and personality development activities?

Feed Back Analysis:

The feedback is analyzed and major components of improvement are identified by a group of faculty designated by the principal. The parameters of dissatisfaction will be identified and corrective actions are taken to resolve the problems.

➤ **Student feedback on teaching-learning process**

Feedback is taken twice online: One in the mid semester and the other, at the end of the semester. The format is given below.

Sl. No.	Faculty attributes	Very Poor	Poor	Average	Good	Very good
1	Ability to plan and organize the course and course coverage					
2	Enthusiasm and command over the subject					
3	Communication ability (audible, clear proper, etc.)					
4	Treatment and interaction with students inside and outside the classrooms					
5	Response to students queries and efforts to clear doubts					
6	Availability and accessibility of the teacher in the department for consultation fixed for it					
7	Ability to make difficult ideas clear and ability to make teaching-learning interesting					
8	Efforts to encourage students participation in the class					
9	Regularity, punctuality and commitment of the teacher in taking classes.					
10	Regularity in sessional assignment, class test/mid-term examination script evaluation and returning checked copies.					

Basis of reward/corrective measures, if any:

1. Faculty members who have average feedback score below 60% of the maximum possible value are counselled by the Principal and head of the department on the parameters which require improvement.

2. Faculty members who have average feedback score between 40%-50% are advised to introspect for the improvement. They are issued letters to improve their performance. They are helped by the seniors in the department too. Root cause analysis of the feedback is carried by the faculty and action plan will be initiated at the next cycle.
3. Faculty members, who get average feedback score of 90% or above, are appreciated and issued appreciation letters by the principal.
4. Faculty development programs are organized periodically for enhancing technical skills and teaching skill of faculty members.

• **Grievance Redressal mechanism for Faculty, staff and students**

The grievance redressal committee is entrusted with the following functions:

- The committee receive and processes the complaint 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 send report to the Principal

• **Establishment of Anti Ragging Committee**

Members of anti-ragging committee

1. Principal, Jorhat Engineering College : Chairman
2. Dr. Neelanjana Baruah, Prof. & HoD Inst. Engg. : Member
3. Dr. Mrinal Kumar Dutta, Associate Prof, Civil Engg.: Member
4. Mr. Diganta Baishya, Associate Prof. CSE. : Member
5. General Secretary, JECSU : Member
6. Asstt. General Secretary, JECSU : Member
7. ACS representative of District administration : Member
8. Parents Representative (2nos.) : Member
9. Fresher's representative (2 nos, Male -1, Female -1) : Member
10. Non-teaching staff : Member

Anti-Ragging Squad

1. Principal, Jorhat Engineering College : Chairman
2. Mr. Champak Bharali Hostel-1 :Member
3. Dr. Dhrubojyoti Baruah, Hostel-2 :Member
4. Mr. Pranabjyoti Haloi, Hostel-3 :Member
5. Mr. Diganta Kalita, Hostel-4 :Member

6. Dr. Devakanta Rabha, Hostel-5	:Member
7. Mr. Papumoni Saikia, Hostel-6	:Member
8. Dr. Mrinal Kr. Dutta, Hostel-7	:Member
9. Mr. Mafidur Rahman, Hostel-8	:Member
10. Mrs. Dimpi Bora, Hostel-9 (Girls' Hostel)	:Member
11. Mr. Ajoy Krishna Dutta, Hostel-10 (Girls' Hostel)	:Member
12. Mr. Abhijit Hazarika	:Member
13. All members of JECSU	:Member
14. All the mentors of Hostels -1 to 10	:Member
15. All members of PROYAS group	:Member
16. The Officer-in-charge, Garmur, Police Outpost	:Member

• **Establishment of Online Grievance Redressal Mechanism**

www.jecassam.edugrievance.com

Administrator : Sabikur Rahman, Assistant Professor, Physics Department

• **Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University : Prof. Sarbeswar Bujarbaruah, Ex Director, CPP-IPR**

The following are the members of the grievance redressal committee

1. Principal, Jorhat Engineering College	: Chairman
2. Dr. P.K. Khaund, Prof. & HoD Civil Engg. Dept.	-Coordinator
3. Dr. N. Baruah, Prof. & HoD Instrumentation Engg. Dept.	- Member
4. Dr. R. Nath, Prof. & HoD Mechanical Engg. Dept.	- Member
5. Sabikur Rahman, Assistant Professor, Physics Department	- Member

General Secretary and Asstt. General Secretary JECSU will assist the committee as and when required.

• **Establishment of Internal Complaint Committee (ICC)**

- To build self-esteem & dignity among girl students & ladies faculty member.
- To offer services such as counseling, legal aid in case of atrocities against women.
- To creates awareness regarding women rights.
- To arrange programs regarding health, personality development etc.
- To avoid and prohibit sexual harassment at workplace

Internal Complaint Committee (ICC)

1. Dr. (Mrs.) Neelanjana Baruah, Prof. & HoD Instrumentation Engg. Dept : Chairman
2. Dr. Siddhartha Baruah, Prof. MCA Dept : Member
3. Ms. Dimpi Bora, Assistant Professor, Mech Engg Dept : Member
4. Ms. Palashi Gogoi : Member
5. Mr. Bijoy Deka : Member
6. General Secretary, JECSU : Member
7. Asstt. General Secretary, JECSU : Member

• Establishment of Committee for SC/ ST

1. Principal, Jorhat Engineering College : Chairman
2. Dr. Devakanta Rabha, Associate Professor, Mech Engg Dept : Member
3. Dr. Sonali Biswas, Assistant Professor, Instrumentation Engg Dept : Member
4. Dr. Achyut Das, Assistant Professor, Civil Engg Dept : Member
5. Mr. Arup Deka, Assistant Professor, Civil Engg Dept : Member

• Internal Quality Assurance Cell

1. Principal, Jorhat Engineering College : Chairman
2. Dr. Arup Bhattacharjee, Professor Civil Engg. Dept. : Coordinator
3. Mr. Ajoy Krishna Dutta, Associate Professor, Mech Engg. Dept. : Member
4. Ms. Manisha Pathak, Assistant Professor , Inst. Engg. Dept : Member
5. Dr. Dhruvajyoti Baruah, Associate Professor, MCA Dept. : Member
6. Dr. Mrinal Buragohain, Prof. Electrical Engg Dept : Member

6. Programmes

- Name of Programmes approved by AICTE:
 1. Engineering and Technology (B.Tech)
 2. Engineering and Technology (P.G)
 3. Master of Computer Application
- Name of Programmes Accredited by AICTE: Engineering and Technology (B.Tech)
- Status of Accreditation of the Courses: 3 Courses are accredited
- Total number of Courses: 8
- No. of Courses for which applied for Accreditation: 3

- **Status of Accreditation** – Preliminary/ Applied for SAR and results awaited/ Applied for SAR and visits completed/ Results of the visits awaited/ Rejected/ Approved for Courses

NBA Accreditation Status		
SI	Name/ List of Programmes/ Courses Accredited	From June 2022 to June 2024 Application Nos. 4238-29/10/2019 Civil Engineering, Electrical Engineering and Computer Sc. & Engineering. Mechanical Engineering accredited from From June 2019 to June 2021 File No. 13-13/2018-NBA dated 19-03-2019
1	Applied for Accreditation	
2	A. Applied but Visit not happened	NIL
	B. Visit happened but result awaited	NIL
3	List of programmes/ courses Not Applied	Mechanical Engineering (UG) Master of Computer Application (PG) Instrumentation & Control Engineering (PG) Civil Engineering (PG)

- **For each Programme the following details are to be given:**

Programme	Course	Number of seats	Duration (years)
Engineering and Technology (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

- **Cut off marks/rank of admission during the Academic Year 2022-23**

CUT-OF RANK

Programme	Course	General	OBC/MOBC	SC	ST(P)	ST(H)
Engineering and Technology (B.Tech)	Mechanical Engineering	1528	1676	2118	2501	4816
	Civil Engineering	1428	1758	1927	1976	2454
	Electrical Engineering	1340	1852	2555	2430	4198
	Computer Science and Engineering	528	722	1633	1600	2504
	Instrumentation Engineering	2028	2123	2612	2995	-

CUT-OFF MARKS

Programme	Course	TOTAL MARKS	General	OBC/MOBC	SC	ST
PG	Instrumentation & Control Engineering	100	10	10	10	10
	Civil Engineering	100	20.25	26	0	16.25
PG	Master of computer application	480	174	152	153	89

• Fee

Programme	Year	2021-22	
Engineering and Technology (B.Tech)	Mechanical Engineering	1 st semester	14950.00
	Civil Engineering	2 nd semester	3050.00
	Electrical Engineering	3 rd , 5 th , 7 th sem	5000.00
	Computer Science and Engineering	4 th , 6 th , 8 th sem	3600.00
	Instrumentation Engineering		
PG	Instrumentation & Control Engineering	1 st semester	29689.00
	Civil Engineering	2 nd semester	3550.00
		4 th semester	9100.00
PG	Master of computer application	1 st semester	13900.00
		2 nd semester	3550.00
		4 th semester	4100.00

• Placement Facilities



Besides a warm welcome, we provide companies with the following facilities:

- ❖ 4 Fully A/C Interview Rooms
- ❖ Room for GD
- ❖ PPT Hall with Audio-Visual Arrangements
- ❖ Internet Connectivity through NKN Node
- ❖ Dining Hall and other Basic Amenities
- ❖ Student volunteers for prompt action on the day of visit.

Local hospitality:

Local hospitality and local transportation is arranged by Jorhat Engineering College. Accommodation is provided in college guest house or local 3 star hotel with AC transportation facility between the hotel and the college. The recruiters are treated with quality Pan Indian food according to their choice.

Computation Facilities Available to Conduct On-Line Test

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

• Campus placement in last three years with minimum salary, maximum salary and average salary

Year	2018-19	2019-20	2020-21	2021-22
Mechanical Engineering	11	16	18	45
Civil Engineering	8	4	7	22
Electrical Engineering	20	12	13	36
Computer Science and Engineering	30	38	45	48
Instrumentation Engineering	1	1	3	13
MCA	-	-	-	11
TOTAL	70	71	86	175
Minimum Salary	2.4 LPA	3 LPA	3.36	3.36
Maximum Salary	10.5LPA	10.5 LPA	14 LPA	14 LPA
Average Salary	4.2 LPA	4.5 LPA	4.6 LPA	4.6 LPA

- 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: **No**

7. Faculty

- Branch wise list Faculty members:

FACULTY UNIQUE ID	TITLE	NAME	Designation
1-514926611	Dr.	RUPAM BARUAH	Principal
Civil Engineering			
1-514416832	Dr.	PRASANNA KHAUND	Professor
1-499972701	Mr.	GAUTAM HAZARIKA	Associate Professor
1-500214235	Dr.	ARUP BHATTACHARJEE	Professor
1-499972587	Dr.	NAYANMONI CHETIA	Professor
1-499972459	Mr.	ACHYUT DAS	Associate Professor
1-500214231	Mr.	ARUP DEKA	Assistant Professor
1-513577321	Mr.	RITUPARNA GOSWAMI	Assistant Professor
1-513577327	Dr.	MRINAL KUMAR DUTTA	Associate Professor
1-9314433054	Ms.	PRASANTY BORAH	Assistant Professor (Contractual)
1-9471228729	Ms.	SNIGDHA KALITA	Assistant Professor (Contractual)
1-9472564665	Mr.	MRINALJYOTI ADHYAPOK	Assistant Professor (Contractual)
1-9471106598	Dr.	CHIRANJIB SARMA	Assistant Professor (Contractual)
1-11068850278	Mr.	KOUSHIK KALITA	Assistant Professor (Contractual)
1-11299864843	Mr.	BAHARUL HUSSAIN	Assistant Professor (Contractual)
Electrical Engineering			
1-505987441	Dr.	ADITYA BIHAR KANDALI	Professor
1-499439755	Dr.	MRINAL BURAGOHAIN	Professor
1-499954545	Mr.	PRANABJYOTI HALOI	Associate Professor
1-499972273	Mr.	TILOK BORUAH	Assistant Professor
1-513420241	Mr.	PAPUMONI SAIKIA	Assistant Professor
1-513420295	Mr.	NIPAN KUMAR DAS	Assistant Professor
1-9472357405	Dr.	MOUSHUMI PATOWARY	Assistant Professor (Contractual)
1-9314432951	Ms.	JYOTISIKHA SARMAH	Assistant Professor (Contractual)
1-4781919012	Ms.	POOJA BORA	Assistant Professor (Contractual)
1-11296186140	Dr.	SUMAN SUTRADHAR	Assistant Professor (Contractual)
1-11095666276	Mr.	PANKAJ SHARMA	Assistant Professor (Contractual)
1-11296186147	Mr.	TUSAR KUMAR DASH	Assistant Professor (Contractual)
Mechanical Engineering			
1-3666136643	Dr.	RUPANJALI NATH	Professor
1-500246549	Dr.	DIGANTA HATIBARUAH	Professor
1-500236291	Mr.	AJOY KRISHNA DUTTA	Associate Professor
1-500246617	Dr.	DEVAKANTA RABHA	Associate Professor
1-500246545	Mrs.	DIMPI BORA	Assistant Professor

1-500246699	Mr.	DEBARUPAM GOGOI	Assistant Professor
1-513235309	Mr.	MAFIDUR RAHMAN	Assistant Professor
1-513235305	Mr.	BIJAY KUMAR ROY	Assistant Professor
1-513422771	Mr.	DIGANTA KALITA	Assistant Professor
1-3617709612	Mr.	PALASH SAIKIA	Assistant Professor (Contractual)
1-9315409135	Mr.	RANBIR KALITA	Assistant Professor (Contractual)
1-9314433500	Mr.	DHRUPAD SARMA	Assistant Professor (Contractual)
1-9314809379	Ms.	CHRISTINA SABIR RAHMAN	Assistant Professor (Contractual)
1-11054441372	Mr.	PRINCE KUMAR	Assistant Professor (Contractual)
1-11054441385	Mr.	SANJEEV VISHWAKARMA	Assistant Professor (Contractual)
1-11068850242	Dr.	PARAG KAMAL TALUKDAR	Assistant Professor (Contractual)
1-11108245921	Mr.	ABHISHEK KUMAR	Assistant Professor (Contractual)
Computer Science & Engineering			
1-514926611	Dr.	RUPAM BARUAH	Professor
1-500328971	Mr.	DIGANTA BAISHYA	Associate Professor
1-500246753	Mr.	BISWAJIT SARMA	Assistant Professor
1-804424364	Mr.	RAJIB CHAKRABARTTY	Assistant Professor
1-9319378721	Mr.	RUP JYOTI BARUAH	Assistant Professor
1-499439759	Dr.	SAURAVJYOTI SARMAH	Assistant Professor
1-9315167772	Ms.	NILAKHI SAIKIA	Assistant Professor (Contractual)
Instrumentation Engineering			
1-499972199	Dr.	NEELANJANA BARUAH	Professor
1-499439883	Mr.	AROBINDRA SAIKIA	Assistant Professor
1-499439887	Mrs.	MONISHA PATHAK	Assistant Professor
1-499972191	Dr.	SONALI BISWAS	Assistant Professor
1-11095666251	Dr.	UJJWAL MANIKYA NATH	Assistant Professor (Contractual)
Master of Computer Application			
1-500324123	Dr.	SIDDHARTHA BARUAH	Professor
1-500324127	Dr.	DHRUBAJYOTI BARUAH	Associate Professor
1-500324501	Mr.	RUPAK KUMAR GOGOI	Assistant Professor
1-3611594077	Miss	CHANDRANI BORAH	Assistant Professor (Contractual)
1-9315167251	Mr.	ABINASH BORAH	Assistant Professor (Contractual)
Mathematics Department			
1-500246921	Mr.	RAFIQUL ISLAM	Associate Professor
1-513577454	Mrs.	ASHARANI BARUAH	Associate Professor
1-513577496	Mr.	BABUL CHIRING PHUKAN	Assistant Professor
1-9313722728	Mr.	KUNTAL JYOTI SAIKIA	Assistant Professor (Contractual)
Physics Department			
1-499340689	Mr.	SABIKUR RAHMAN	Assistant Professor
1-9472357242	Dr.	MUNMI GOHAIN	Assistant Professor (Contractual)
Chemistry Department			
1-9314808933	Mr.	DWIJEN KUMAR SAIKIA	Associate Professor
1-9472356982	Dr.	PANGKITA DEKA	Assistant Professor (Contractual)
1-9472356815	Dr.	ABHIJIT BORUAH	Assistant Professor (Contractual)

Humanities Department			
1-513577512	Dr.	CHAMPAK KUMAR BHARALI	Assistant Professor
1-9314433720	Mrs.	CHINMOYEE MAHANTA	Assistant Professor (Contractual)
1-9471899054	Mr.	SAMITESH BRAHMA	Assistant Professor (Contractual)
1-9314808810	Mrs.	RICHA BORTHAKUR	Assistant Professor (Contractual)

Permanent Faculty : 43

• **Adjunct Faculty : NIL**

• **Permanent Faculty: Student Ratio**

Branch	No. of Students in Seventh Semester	No. of Students in Fifth Semester	No. of Students in Third Semester	No. of Students in First Semester	Total No. of Students	Total No. of Permanent Faculty Members	Ratio of No. of Student to the No. of Permanent Faculty
Civil Engineering	89	96	78	85	348	8	43.5
Mechanical Engineering	100	97	83	99	379	9	42.1
Electrical Engineering	59	60	57	65	241	6	40.2
Computer Science and Engineering	60	72	64	58	254	6	42.3
Instrumentation Engineering	12	20	26	27	85	4	21.3
Master of Computer Application	-----	19	28	29	76	3	25.33


• **Number of Faculty employed and left during the last three years**


a) Number of Faculty left during the last three years: 11


Serial No.	Name of the faculty member	Date of retirement/leaving
1	Dwijen Saikia	31-12-2019
2	Thuleswar Nath	31-02-2019
3	Dr. Bhabani Sarma	30-09-2019
4	Dr. C. Sahu	31-10-2019
5	Kameswar Goswami	29-02-2020
6	Mrs. Aditi Bezbaruah	31-03-2020
7	Makhon Khound	28-02-2021
8	Dr. Parimal Bakul Baruah	30-11-2021
9	Dr. B.N.Choudhury	30-06-2021
10	Dr. Anjali Sarma Goswami	31-10-2021
11	Joydip Kumar Sarmah	31-01-2022


8. Profile of Vice Chancellor/ Director/ Principal/ Faculty


For each Faculty give a page covering with Passport size photograph


Sl. No.	Field Name	
1	Name	Dr. Rupam Baruah
2	Date of Birth	01-09-1970
3	AICTE Unique ID	1-514926611
4	Educational Qualifications	B. Tech, M. Tech, Ph.D.
5	Work Experience (In years)	Teaching: 28
		Research: 9
		Industry: 1
		Others: None
6	Area of Specialization	Artificial Intelligence, Natural Language Processing, Machine Learning
7	Courses taught at Under Graduate/ Post Graduate Level	DSA, DBMS, AI, Automata Theory, Compiler Construction, Algorithms
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 03
		Master (Completed/Ongoing): Nil
		Ph.D. (Completed/Ongoing): 05 (ONGOINING)
9	Projects Carried out	Carried out two research projects under Assam Science and Technology University
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Conferences: 08 Journals: 02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None

Sl. No.	Field Name	
1	Name	Dr. Prasanna Kumar Khaund
2	Date of Birth	21.10.1962
3	AICTE Unique ID	1-514416832
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 33year
		Research: 8 years
		Industry: 1 year
		Others: NIL
6	Area of Specialization	Hydraulic Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	UG – Hydraulics, Hydrology & Irrigation Engg, Planning & Valuation, Open Channel Flow & River Engg. PG – Design of Hydraulic Structures
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: International Journal - 4 International Conferences –13, National Conferences- 11 Book Chapters – 1
		Master (Completed/Ongoing): Completed – 16 Ongoing -2
		Ph.D. (Ongoing): 2
9	Projects Carried out	4
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International Journal - 5 National Journal – Conferences – 26 Book Chapters - 1
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Gautam Hazarika
2	Date of Birth	01-01-1965
3	AICTE Unique ID	1-499972701
4	Educational Qualifications	M.E.
5	Work Experience (In years)	Teaching: 33 Years
		Research: 2 Years
		Industry: 1 Year
		Others: NIL
6	Area of Specialization	Computer Aided Design
7	Courses taught at Under Graduate/ Post Graduate Level	SA-I, SA-II, SA-III, DOS-I, DOS-II, Planning and Valuation, Building Construction and Planning, Transportation Engineering-I & II, Concrete Technology.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 1
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Arup Bhattacharjee
2	Date of Birth	01.01.1971
3	AICTE Unique ID	1-500214235
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 27
		Research: 8
		Industry: Nil
		Others: Nil
6	Area of Specialization	Geotechnical Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	UG - Geotechnical Engineering I & II PG - Advance Soil Mechanics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: International Journal - 1 National Journal – 0 Conferences – 14 Book Chapters - 6
		Master (Completed/Ongoing): Completed – 14 Ongoing - 3
		Ph.D. (Completed/Ongoing): Ongoing - 4
9	Projects Carried out	02
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International Journal - 7 National Journal : 1 Conferences : 14 Book Chapters : 2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil

Sl. No.	Field Name	
1	Name	Dr(Mrs) Nayanmoni Chetia
2	Date of Birth	30-09-1971
3	AICTE Unique ID	1-499972587
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 27years
		Research: 3years
		Industry:
		Others:
6	Area of Specialization	Structures (Civil Engineering)
7	Courses taught at Under Graduate/ Post Graduate Level	Steel Structures (UG),Structural Analysis (UG),RCC Design (UG) and Earthquake Engg and FEM in (PG)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals = 12 Conferences: 10
		Master (Completed/Ongoing):12 completed 03 ongoing
		Ph.D. (Completed/Ongoing): 02 ongoing
9	Projects Carried out	1 (one) (NEQIP)
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	No. of papers published in National/ International Journals = 12 Conferences: 10
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Rituparna Goswami
2	Date of Birth	07.01.1975
3	AICTE Unique ID	1-513577321
4	Educational Qualifications	M.E. (Soil Mechanics)
5	Work Experience (In years)	Teaching: 21+ Years
		Research: 5 years (Undergoing Ph. D)
		Industry: Nil
		Others: Nil
6	Area of Specialization	Soil Mechanics
7	Courses taught at Under Graduate/ Post Graduate Level	Geotechnical Engineering, Transportation Engineering, Ground Improvement Techniques
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 08
		Master (Completed/Ongoing): 08/03
		Ph.D. (Completed/Ongoing): Nil
9	Projects Carried out	None
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None


Sl. No.	Field Name	
1	Name	Dr. Mrinal Kumar Dutta
2	Date of Birth	11-01-1968
3	AICTE Unique ID	1-513577327
4	Educational Qualifications	Ph.D
5	Work Experience (In years)	Teaching:27 Years
		Research: NIL
		Industry: Nil
		Others: NIL
6	Area of Specialization	Geology, Remote Sensing & GIS
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Geology, Remote Sensing and GIS (UG) Rock Mechanics (PG)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 7
		Master (Completed/Ongoing): Completed = 9 Ongoing = 3
		Ph.D. (Completed/Ongoing): 2 (Ongoing)
9	Projects Carried out	DST= 1 as PI and 1 as Co-PI MODROBS = 4
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International =3 National =10 Conference = 15 Book Chapters=2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil

Sl. No.	Field Name	
1	Name	Dr. Achyut Das
2	Date of Birth	30-6-1968
3	AICTE Unique ID	1-499972459
4	Educational Qualifications	B.E., M.E., PhD
5	Work Experience (In years)	Teaching: 17 years
		Research: 7 years
		Industry: NIL
		Others:- NIL
6	Area of Specialization	Transportation Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Highway engineering, tunnel engineering, railway engineering, airport engineering
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences:- NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing):- NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	One international conference
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Arup Deka
2	Date of Birth	30/06/1979
3	AICTE Unique ID	1-500214231
4	Educational Qualifications	M-Tech
5	Work Experience (In years)	Teaching:15 yrs
		Research: Two years
		Industry: 1 & 1/2 Half years
		Others: 5Yrs
6	Area of Specialization	Geotechnical
7	Courses taught at Under Graduate/ Post Graduate Level	Geotechnique, Building materials & Concrete technology, Transportation Engg , Reinforced Soil Structure.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: Three (3)
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	One (1)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Baharul Hussain
2	Date of Birth	07/04/1992
3	AICTE Unique ID	1-11069098311
4	Educational Qualifications	M. Tech
5	Work Experience (In years)	Teaching: 3.6 Years
		Research:
		Industry:
		Others:
6	Area of Specialization	Structural Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Structural Analysis, RCC Design, Computational Lab
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 1
		Master (Completed/Ongoing): Completed- 1
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	CRS project titled “ Development of Sustainable Materials for Concrete Repairing and Strengthening” under TEQIP-III
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	1
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Dr. Chiranjib Prasad Sarma
2	Date of Birth	8 th December 1985 (08/12/1985)
3	AICTE Unique ID	1-9471106598
4	Educational Qualifications	Ph.D.
5	Work Experience (In years)	Teaching: 2.5 years
		Research: 6 years
		Industry: NIL
		Others: NIL
6	Area of Specialization	Geotechnical Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Under Graduate: Fluid Mechanics / Quantity Surveying / Engineering Mechanics / Strength of Materials / Engineering Drawing / Engineering Surveying / Transportation Engineering Lab : Post Graduate: Advanced Geotechnical Engineering / Soil Dynamics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences:
		Master (Completed/Ongoing): 1 (Ongoing)
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2 International Journal Papers; 6 Conference Papers
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Koushik Kalita
2	Date of Birth	05/12/1992
3	AICTE Unique ID	1-11068850278
4	Educational Qualifications	B.E. , M. Tech.
5	Work Experience (In years)	Teaching: 3 years
		Research: NIL
		Industry: NIL
		Others:
6	Area of Specialization	Transportation Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Surveying, Transportation Engineering, Traffic Engineering
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 01
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	No
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	01
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Prasanty Borah
2	Date of Birth	19-08-1991
3	AICTE Unique ID	1-9314433054
4	Educational Qualifications	M.E.
5	Work Experience (In years)	Teaching: 5.5
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	GEOTECHNICAL ENGINEERING
7	Courses taught at Under Graduate/ Post Graduate Level	GEOTECHNICAL ENGINEERING-I, GEOTECHNICAL ENGINEERING LABORATORY, ENGINEERING GRAPHICS, HYDRAULICS-I, BUILDING PLANNING, RIVER ENGINEERING, VALUATION, BUILDING CONSTRUCTION, IRRIGATION ENGINEERING, HYDROLOGY, CONCRETE LABORATORY, SURVEYING-I
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Snigdha Kalita
2	Date of Birth	19-12-1994
3	AICTE Unique ID	1-9471228729
4	Educational Qualifications	M.TECH
5	Work Experience (In years)	Teaching: 01 YEAR
		Research:- NIL
		Industry:- NIL
		Others:- NIL
6	Area of Specialization	CIVIL ENGINEERING (DESIGN OF CIVIL ENGINEERING STRUCTURES)
7	Courses taught at Under Graduate/ Post Graduate Level	B.TECH COURSE IN CIVIL ENGINEERING
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences:- NIL
		Master (Completed/Ongoing):01 AS COGUIDE
		Ph.D. (Completed/Ongoing):- NIL
9	Projects Carried out	STABILITY ANALYSES OF ALLUVIAL RIVERBANKS (M.TECH)
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	03 (01 No. on process)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Mrinaljyoti Adhyapok
2	Date of Birth	01-01-1987
3	AICTE Unique ID	1-9472564665
4	Educational Qualifications	MASTER OF TECHNOLOGY
5	Work Experience (In years)	Teaching: 1.5 YEARS
		Research: 2.5 YEARS
		Industry: 1 YEAR
		Others:
6	Area of Specialization	ENGINEERING GEOLOGY, ROCK MECHANICS
7	Courses taught at Under Graduate/ Post Graduate Level	ENGINEERING HYDROLOGY, OPEN CHANNEL FLOW AND IRRIGATION ENGINEERING, ENGINEERING GRAPHICS AND DESIGN, ENGINEERING GEOLOGY LAB, CED AND CAD LAB
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NATIONAL:1 INTERNATIONAL:1
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Rupanjali Nath
2	Date of Birth	15/10/965
3	AICTE Unique ID	1-3666136643
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 29 years
		Research: 15 years
		Industry: Nil
		Others: Nil
6	Area of Specialization	Technology Initiated Change Management
7	Courses taught at Under Graduate/ Post Graduate Level	Thermal Engineering, Mechanical Measurement and Instrumentation, Material Science, Refrigeration, Engineering Mechanics, Industrial Engineering and Management, Organization Management, Fluid Machinery, I.C Engines/Production Planning and Inventory Control, Project Management, Productivity Etc.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences:- NIL
		Master (Completed/Ongoing): 7
		Ph.D. (Completed/Ongoing): 2 (Ongoing)
9	Projects Carried out	One
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	5
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name		
1	Name	Dr. Diganta Hatibaruah	
2	Date of Birth	31-08-1971	
3	AICTE Unique ID	1-500246549	
4	Educational Qualifications	Ph.D	
5	Work Experience (In years)	Teaching: 26 Years	
		Research: 8 Years	
		Industry: NIL	
		Others: NIL	
6	Area of Specialization	Cryogenic , Drying technology	
7	Courses taught at Under Graduate/ Post Graduate Level	Material Science, Refrigeration, Air Conditioning, Hydraulic Machines	
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 2	
		Master (Completed/Ongoing): 1 (Completed)	
		Ph.D. (Completed/Ongoing): 02 (Ongoing)	
9	Projects Carried out	MODROB : 4 TEQIP : 1 Collaborative Research Scheme under TEQIP-III of ASTU : 1	
10	Patents (Filed & Granted)	Nil	
11	Technology Transfer	Nil	
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International Journals = 3	
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil	


Sl. No.	Field Name	
1	Name	Ajoy Krishna Dutta
2	Date of Birth	31-12-1971
3	AICTE Unique ID	1-500236291
4	Educational Qualifications	M. TECH.
5	Work Experience (In years)	Teaching: 27 YEARS
		Research:
		Industry:
		Others:
6	Area of Specialization	MACHINE DESIGN
7	Courses taught at Under Graduate/ Post Graduate Level	MECHANICS OF MATERIALS MACHINE DESIGN
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 6
		Master (Completed/Ongoing): 4
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Deva Kanta Rabha
2	Date of Birth	29.06.1978
3	AICTE Unique ID	1-500246617
4	Educational Qualifications	Ph.D
5	Work Experience (In years)	Teaching: 14 Years
		Research: 4 Years
		Industry: 3 Years
		Others: NIL
6	Area of Specialization	Energy
7	Courses taught at Under Graduate/ Post Graduate Level	Basic Thermodynamics, applied thermodynamics, Power Plant, Energy conversion and waste heat recovery, fluid mechanics, Advance Fluid Mechanics, Hydraulic Machines
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 4
		Master (Completed/Ongoing): 1 (Completed)
		Ph.D. (Completed/Ongoing): 06 (Ongoing)
9	Projects Carried out	<ol style="list-style-type: none"> 1. Design, Development and Testing of a Batch Type Green Tea Leaves Steamer and Dryer, awarded by AICTE under RPS-NER (undergoing). (Principal Investigator) (23 Lakhs) 2. Development and Testing of a Passive Dryer with Biomass Heater, awarded by Assam Science and Technology University (ASTU) under TEQIP-III (Completed). (Principal Investigator). (2.805 Lakhs) 3. Development and Testing of Multi-burner Cooking Mud stove with Chimney funded by Bright spark Energy Private Limited (Principal Investigator) (Completed) (1.5 Lakhs). 4. Aerodynamic Performance Evaluation of Savonius Vertical-axis Rotor for Small-scale Power Generation awarded by National Project Implementation Unit (Co-PI) (Completed). (4.48 Lakhs).
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International journal (SCI) = 5 Nos. Books Chapter (Conference proceedings) : 04 Nos. Internal Conference = 02 Nos.
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Mafidur Rahman
2	Date of Birth	19/02/1970
3	AICTE Unique ID	1-513235309
4	Educational Qualifications	M.TECH
5	Work Experience (In years)	Teaching:14
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Machine Design
7	Courses taught at Under Graduate/ Post Graduate Level	Manufacturing Science /Manufacturing Method / Workshop Theory and Practice I, II, Industrial Engineering and Management.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 1
		Master (Completed/Ongoing): 2/1
		Ph.D. (Completed/Ongoing): -
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Debarupam Gogoi
2	Date of Birth	31-05-1978
3	AICTE Unique ID	1-500246699
4	Educational Qualifications	M.TECH
5	Work Experience (In years)	Teaching: 14 Years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Vibration analysis and control
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Mechanics, Mechanical drawing, CAD/CAM, Dynamics of Engineering and Control Engineering, Design of Machine element, Theory of Machine, Finite Element Method
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 1
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journal = 7
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Bijay Kumar Roy
2	Date of Birth	22-11-1977
3	AICTE Unique ID	1-513235309
4	Educational Qualifications	M. Tech
5	Work Experience (In years)	Teaching: 14 years
		Research: 4 years
		Industry: 2 years
		Others: Nil
6	Area of Specialization	Design
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Mechanics, Basic Thermodynamics, Applied Thermodynamics, Fluid Mechanics, Applied Fluid Mechanics, Heat Transfer
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: Nil
		Master (Completed/Ongoing): Nil
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	1
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Dimpi Bora
2	Date of Birth	31.10.1983
3	AICTE Unique ID	1-500246545
4	Educational Qualifications	M.E.
5	Work Experience (In years)	Teaching: 14
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Fluid and Thermal Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Thermodynamics, Applied Thermodynamics, Power Plant Engineering, Fluid Mechanics.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 1
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Diganta Kalita
2	Date of Birth	02/01/1975
3	AICTE Unique ID	1-513422771
4	Educational Qualifications	ME
5	Work Experience (In years)	Teaching:23 years
		Research:3 years
		Industry: NIL
		Others: NIL
6	Area of Specialization	Industrial & Production Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Machine Design-II, Vibration of Mechanical System
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 08
		Master (Completed/Ongoing) : 15
		Ph.D. (Completed/Ongoing) :NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dhrupad Sarma
2	Date of Birth	01/12/1984
3	AICTE Unique ID	1-9314433500
4	Educational Qualifications	M.E. (Pursuing PhD)
5	Work Experience (In years)	Teaching: 6 year 5 months
		Research: NIL
		Industry: 1 year 4 months
		Others: NIL
6	Area of Specialization	Design of Experiment (Taguchi optimization, RSM), Solar Thermal systems, Industrial & Production Engineering.
7	Courses taught at Under Graduate/ Post Graduate Level	UG: Engineering Mechanics, Mechanism & Dynamics of Machinery, Engineering Graphics, Industrial Organization & Management. UG Lab: Engineering Mechanics, Precision Measurement, CNC.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 6 journal, 4 conference
		Master (Completed): 4 completed
		Ph.D. (Completed/Ongoing): Nil
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	"Bimetallic Thermal Diode" , Indian Journal of patent, 23 rd issue, 2014. Patent application number 823/KOL/2012. First Examination is completed in 2019. Final patent is yet to be granted.
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journal = 1 Conference = 2 Book chapter = 3
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Palash Saikia
2	Date of Birth	02-03-1989
3	AICTE Unique ID	1-3617709612
4	Educational Qualifications	M.E. (Assam Engineering College)
5	Work Experience (In years)	Teaching: 7 Years
		Research: - NIL
		Industry: 1 Year
		Others: - NIL
6	Area of Specialization	Fluid and Thermal
7	Courses taught at Under Graduate/ Post Graduate Level	Mechanical Engineering
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	N/A
10	Patents (Filed & Granted)	N/A
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	3
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	N/A

Sl. No.	Field Name	
1	Name	Ranbir Kalita
2	Date of Birth	18-05-1989
3	AICTE Unique ID	1-9315409135
4	Educational Qualifications	M.E. (pursuing PhD)
5	Work Experience (In years)	Teaching: 6 years
		Research: 3 years
		Industry: 9 months 8 days
		Others: NIL
6	Area of Specialization	Production and Industrial Engineering in PG . Solar Thermal Energy in PhD .
7	Courses taught at Under Graduate /Post Graduate Level	UG (theory): Engineering Graphics, Engineering Mechanics, Mechanical Drawing, Mechanics of Materials-I, Statistical Quality Control, Operation Research, Industrial Organization. UG (laboratory): Heat-Power Lab, Engineering Mechanics lab, Applied Thermodynamics-I Lab, Material Testing Lab, Precision Measurement Lab, Fluid Mechanics Lab. PG (theory): Decision Modelling-I PG (laboratory): Facility Design and Layout lab.
8	Research guidance: 10 B.E. final year project Groups till date.	No. of papers published in National/ International Journals/Conferences: International Journal: 01 (with project students)
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International Conference: 02 (01 with M.E. and 01 with PhD supervisors) International Journal: 01 (with M.E. supervisors) Book Chapter: 01 (with PhD supervisors)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None

Sl. No.	Field Name	
1	Name	Prince Kumar
2	Date of Birth	16/06/1991
3	AICTE Unique ID	
4	Educational Qualifications	M.Tech, PhD Pursuing (7 th sem)
5	Work Experience (In years)	Teaching: 3 years 9 months
		Research: 03
		Industry:
		Others:
6	Area of Specialization	Thermal Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Mechanics, Refrigeration and Air-conditioning, Heat Transfer-I, Heat Transfer-II, Turbo Machinery, Fluid Mechanics-I, Theory of Machine
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	04
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Parag Kamal Talukdar
2	Date of Birth	18-02-1987
3	AICTE Unique ID	
4	Educational Qualifications	PHD
5	Work Experience (In years)	Teaching: 3 Yrs
		Research: 0
		Industry: 0
		Others: 0
6	Area of Specialization	Fluids and Thermal (Mechanical Engineering)
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Mechanics, Dynamics of Machinery, Computational Fluid Dynamics, Renewable Energy, Non -Conventional Energy Resources, Internal Combustion Engine
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing):0
		Ph.D. (Completed/Ongoing):0
9	Projects Carried out	01 (Aerodynamic Performance Evaluation of Savonius Vertical-axis Rotor for Small-scale Power Generation, NPIU sponsored)
10	Patents (Filed & Granted)	0
11	Technology Transfer	0
12	Research Publications (No. of papers published in National/International Journals/Conferences)	11
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Sanjeev Kumar Vishwakarma
2	Date of Birth	15 July 1990
3	AICTE Unique ID	
4	Educational Qualifications	M.Tech
5	Work Experience (In years)	Teaching: 04
		Research: 06
		Industry: Nil
		Others: Nil
6	Area of Specialization	Fluid and thermal Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Mechanics, Theory of Machine, Advance fluid Mechanics, Internal Combustion Engine, Thermodynamics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NA
		Ph.D. (Completed/Ongoing): NA
9	Projects Carried out	'Study of thermal energy storage system' Under collaborative research scheme (AICTE-NPIU)
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	01
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
		
1	Name	Abhishek Kumar
2	Date of Birth	16-06-1993
3	AICTE Unique ID	1-11108245921
4	Educational Qualifications	M.Tech
5	Work Experience (In years)	Teaching: 04
		Research: 06
		Industry: Nil
		Others: Nil
6	Area of Specialization	Modeling and Experimental Analysis of hybrid friction air welding, joining process
7	Courses taught at Under Graduate/ Post Graduate Level	Basic Thermodynamics, Strength of Material, Basic Fluid Mechanics, Automobile Engineering
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NA
		Ph.D. (Completed/Ongoing): NA
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Christina Sabir Rahman
2	Date of Birth	28/10/1991
3	AICTE Unique ID	1-9314809379
4	Educational Qualifications	Bachelor of Engineering , Master of Technology (MTech), PGDCA
5	Work Experience (In years)	Teaching: 4 years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Signal Processing and VLSI
7	Courses taught at Under Graduate/ Post Graduate Level	1. ELECTRICAL TECHNOLOGY 2. APPLIED ELECTRONICS 3. ELECTRICAL MACHINES 4. MICROPROCESSORS
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	01
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Aditya Bihar Kandali
2	Date of Birth	04 th December 1964
3	AICTE Unique ID	1-505987441
4	Educational Qualifications	B.E.(Electrical Engineering, Assam Engineering College, Guwahati), M.Tech (Automation & Computer Vision, E&ECE, IITKGP), Ph.D. (Electrical Engineering, IITKGP)
5	Work Experience (In years)	Teaching: 27
		Research: 14
		Industry: 2
		Others: NIL
6	Area of Specialization	Signal Processing (Speech), Image Processing, Computer Vision & Automation
7	Courses taught at Under Graduate/ Post Graduate Level	UG: Basic Electrical Engineering, Electrical Engineering Materials, Electrical Machines, Basic Electronics, Control System, Digital Signal Processing, Microprocessor, Digital Electronics & Logic Design, Advance Electronics, Advance Electronics & Microprocessor Interfacing, Power System, Computer Aided Power System Analysis, Flexible AC Transmission Systems (FACTS), Digital Signal Processing, Digital Image Processing & Computer Vision, Data Structures & Algorithm Basics, Computer Programming, Electrical Measurements, Computer Networks PG: Digital Signal Processing, Digital Image Processing, Discrete Time Control System, Computer Vision, Computer Graphics, Fuzzy Systems & Control, Intelligent Control Systems, Audio & Speech Processing
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: Int. Journals: 06 Int. Conferences: 13
		Master (Completed/Ongoing): Ongoing: 02 Completed: 13
		Ph.D. (Completed/Ongoing): Ongoing: 05
9	Projects Carried out	01
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	International Journals: 02 International Conferences: 06
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Mrinal Buragohain
2	Date of Birth	22-01-1971
3	AICTE Unique ID	1-499439755
4	Educational Qualifications	Ph.D
5	Work Experience (In years)	Teaching: 25 years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Control System Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	All B. Tech subjects and M.Tech subjects related to Instrumentation and Control Engg
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 10
		Master (Completed/Ongoing):6/3
		Ph.D. (Completed/Ongoing):3 ongoing
9	Projects Carried out	2
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Conference = 16 National Journal = 5
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil

Sl. No.	Field Name	
1	Name	Pranabjyoti Haloi
2	Date of Birth	01/03/1981
3	AICTE Unique ID	1-499954545
4	Educational Qualifications	M.Tech
5	Work Experience (In years)	Teaching: 15 Years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Power System, Signal Processing, Image Processing
7	Courses taught at Under Graduate/ Post Graduate Level	Power System, Electrical Machines, Signal Processing, Adaptive Signal Processing Image Processing, Computer Vision.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: Journals: 3 Conferences: 1
		Master (Completed/Ongoing): 5
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journals: 1 Conferences: 6
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Tilok Boruah
2	Date of Birth	01-03-1969
3	AICTE Unique ID	1-499972273
4	Educational Qualifications	MTech(IIT KGP)
5	Work Experience (In years)	Teaching:14 Yrs
		Research:
		Industry:08 Others: NIL
6	Area of Specialization	Power and Energy
7	Courses taught at Under Graduate/ Post Graduate Level	06(UG)/02(PG)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 08
		Master (Completed/Ongoing):08/02
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Nipan Kumar Das
2	Date of Birth	01.10.1968
3	AICTE Unique ID	1-513420295
4	Educational Qualifications	M.E. (Electrical)
5	Work Experience (In years)	Teaching: 23
		Research: 5
		Industry: 5
		Others: NIL
6	Area of Specialization	Power System
7	Courses taught at Under Graduate/ Post Graduate Level	PS-1,2,3, PDC, LST, EI, machine, B.E.E., EEM
8	Research guidance (Number of Students) UG: 72 nos PG: 6 nos	No. of papers published in National/ International Journals/ Conferences: 5
		(Completed/Ongoing): Master 6 completed, 2 Ongoing
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	1+2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Papu Moni Saikia
2	Date of Birth	18-12-1974
3	AICTE Unique ID	1-513420241
4	Educational Qualifications	M.E.
5	Work Experience (In years)	Teaching: 23
		Research: 3
		Industry: Nil
		Others: NIL
6	Area of Specialization	Electrical Engineering (Power system, Machines)
7	Courses taught at Under Graduate/ Post Graduate Level	Electrical Circuit Theory, Electrical Machines, Electro Magnetic Field Theory in undergraduate. Linear System Theory , Process Dynamics & Control in post graduate level
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 05
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Nil
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Dr. Moushumi Patowary
2	Date of Birth	06.08.1983
3	AICTE Unique ID	1-9472357405
4	Educational Qualifications	B.E. (EE), M.E. (PS), Ph.D. (EE)
5	Work Experience (In years)	Teaching: 06yrs-02months-14days Research: 03yrs-07months-26days Industry: 03yrs-08months-16days Others: SAP MM certified, SAP SCM.
6	Area of Specialization	Electrical Engineering (Power Systems, Microgrid, Renewable Energy applications, Power System Reliability, Power Electronics based Power Systems, AIs., Control Techniques)
7	Courses taught at Under Graduate/ Post Graduate Level	UG: Control System-I, Reliability Engineering, Network Analysis & Synthesis, Electrical Machine-I and II, Electro Technology-II, Basic Electrical Engineering, Control System, Power System Operations and Control (PSOC), Power Quality, Power System Reliability (PSR), Embedded Systems (ES), Machine Design Using Numerical Techniques, Signals and Systems, Renewable Energy Sources, Power Electronics. PG: Smart Grid Technologies, Computer Aided Power System Analysis (CAPSA), Power Quality.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 02 (IEEE, SPRINGER) Master (Completed/Ongoing): 01 Ph.D. (Completed/Ongoing): 01
9	Projects Carried out	B.Tech : 02 (Ongoing) M.Tech : 01(Ongoing) Ph.D. : 01 (Ongoing)
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NA
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journals: 05 (SCI) Conferences : 08 (International) Book Chapters : 03
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Pooja Bora
2	Date of Birth	20/10/1993
3	AICTE Unique ID	1-4781919012
4	Educational Qualifications	ME
5	Work Experience (In years)	Teaching: 3 years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Instrumentation and control
7	Courses taught at Under Graduate/ Post GraduateLevel	Basic Electrical Engineering, Electrical Measurements, Advanced Control System, Design of Automatic control system
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	3
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Suman Sutradhar
2	Date of Birth	11 th December, 1987
3	AICTE Unique ID	
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 5 yrs
		Research:0
		Industry:0
		Others:0
6	Area of Specialization	Electrical Engineering (Power System)
7	Courses taught at Under Graduate/ Post Graduate Level	Automatic Control System / Communication Engineering / Electrical Machine II /Electrical Machine I/ Power System Interconnection and Control / Power System III/ Electrical Measurement II Basic Electrical Engineering/ Power System Interconnection and Control/ High Voltage Engineering / Power System III / Advanced Control System/ Power System Interconnection and Control
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	0
10	Patents (Filed & Granted)	0
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	9
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	0


Sl. No.	Field Name	
1	Name	Pankaj Sharma
2	Date of Birth	12-Nov-1990
3	AICTE Unique ID	To be left blank if not known
4	Educational Qualifications	M.Tech. (pursuing Ph.D.)
5	Work Experience (In years)	Teaching: 3
		Research: 0
		Industry: 0
		Others: 0
6	Area of Specialization	Power Systems
7	Courses taught at Under Graduate/ Post Graduate Level	Basic Electrical Engineering Digital Electronics Renewable Energy Systems
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): 1
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	0
10	Patents (Filed & Granted)	0
11	Technology Transfer	0
12	Research Publications (No. of papers published in National/International Journals/Conferences)	1
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	0


Sl. No.	Field Name	
		
1	Name	Tusar Kumar Dash
2	Date of Birth	09/01/1985
3	AICTE Unique ID	
4	Educational Qualifications	M.TECH
5	Work Experience (In years)	Teaching: 8
		Research:1
		Industry:2
		Others: NA
6	Area of Specialization	POWER CONTROL AND DRIVES
7	Courses taught at Under Graduate/ Post Graduate Level	POWER SYSTEM, POWER ELECTRONICS, ELECTRICAL AND ELECTRONICS MEASUREMENT, ELECTROMAGNETIC FIELD THEORY, DIGITAL CONTROL SYSTEM, ANALOG ELECTRONICS, ELECTRIC DRIVES, HIGH VOLTAGE DC TRANSMISSION, SIGNALS AND SYSTEMS, BASIC ELECTRICAL ENGINEERING, UTILISATION OF ELECTRIC POWER AND MACHINE DRIVES.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NA
		Master (Completed/Ongoing): NA
		Ph.D. (Completed/Ongoing): NA
9	Projects Carried out	NA
10	Patents (Filed & Granted)	NA
11	Technology Transfer	NA
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2 INTERNATIONAL CONFERENCE AND 1 NATIONAL CONFERENCE
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NA


Sl. No.	Field Name	
1	Name	Jyotiskha Sarmah
2	Date of Birth	03/08/1994
3	AICTE Unique ID	9314432951
4	Educational Qualifications	M. E
5	Work Experience (In years)	Teaching: 2 years (from 07/02/2020 to till date)
		Research : NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Electrical Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	PTCE, Electrical measurements, Electrical measurements lab, BEE, BEE lab, DE
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	No
10	Patents (Filed & Granted)	No
11	Technology Transfer	No
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	No


Sl. No.	Field Name	
1	Name	Dr. Rupam Baruah
2	Date of Birth	01-09-1970
3	AICTE Unique ID	1-514926611
4	Educational Qualifications	B. Tech, M. Tech, Ph.D.
5	Work Experience (In years)	Teaching: 28
		Research: 9
		Industry: 1
		Others: None
6	Area of Specialization	Artificial Intelligence, Natural Language Processing, Machine Learning
7	Courses taught at Under Graduate/ Post Graduate Level	DSA, DBMS, AI, Automata Theory, Compiler Construction, Algorithms
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 03
		Master (Completed/Ongoing): Nil
		Ph.D. (Completed/Ongoing): 05 (ONGOINING)
9	Projects Carried out	Carried out two research projects under Assam Science and Technology University
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Conferences: 08 Journals: 02
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None


Sl. No.	Field Name	
		
1	Name	Diganta Baishya
2	Date of Birth	08-11-1981
3	AICTE Unique ID	1-500328971
4	Educational Qualifications	MTECH
5	Work Experience (In years)	Teaching:15 YEARS
		Research: 1 YEAR
		Industry: 1.6 YEAR
		Others: NIL
6	Area of Specialization	COMPUTER SCIENCE AND ENGINEERING
7	Courses taught at Under Graduate/ Post Graduate Level	BE/BTECH, ME
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	COLLABORATIVE RESEARCH PROJECT UNDER ASTU : “content Analysis Of a Natural Language”
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	4
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Biswajit Sarma
2	Date of Birth	10/04/1980
3	AICTE Unique ID	1-500246753
4	Educational Qualifications	M.Tech
5	Work Experience (In years)	Teaching:11 years
		Research:1 years
		Industry:
		Others:
6	Area of Specialization	Operating system, Computer Network, Natural Language Processing.
7	Courses taught at Under Graduate/ Post Graduate Level	Operating system, Computer Network, Digital systems, Embedded Systems, Microcontroller, Distributed Systems
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing):NIL
		Ph.D. (Completed/Ongoing):NIL
9	Projects Carried out	2
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	
12	Research Publications (No. of papers published in National/International Journals/Conferences)	5
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Rup Jyoti Baruah
2	Date of Birth	31-01-1977
3	AICTE Unique ID	To be left blank if not known
4	Educational Qualifications	AMIETE(CSE), MTech(CSE)
5	Work Experience (In years)	Teaching:10
		Research:1
		Industry: No
		Others: No
6	Area of Specialization	Natural Language Processing
7	Courses taught at Under Graduate/ Post Graduate Level	BTech
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: No
		Master (Completed/Ongoing): No
		Ph.D. (Completed/Ongoing): No
9	Projects Carried out	No
10	Patents (Filed & Granted)	No
11	Technology Transfer	No
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journal (4) Conferences (3)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	No

Sl. No.	Field Name	
		
1	Name	Rajib Chakrabartty
2	Date of Birth	01/03/1975
3	AICTE Unique ID	1-804424364
4	Educational Qualifications	M. Tech. In CSE
5	Work Experience (In years)	Teaching: 7
		Research:
		Industry: 9
		Others:
6	Area of Specialization	Information Security
7	Courses taught at Under Graduate/ Post Graduate Level	Computer Networks, Computer Organization & Architecture, Database Management System, Embedded Systems, Cloud Computing, C Programming, Object Oriented Programming using C++, Digital Systems, Java Programming, Web Programming
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Dr. Sauravjyoti Sarmah
2	Date of Birth	11 th March 1976
3	AICTE Unique ID	1-499439759
4	Educational Qualifications	Ph. D.
5	Work Experience (In years)	Teaching: 15 years
		Research: 18 Years
		Industry: NIL
		Others: NIL
6	Area of Specialization	Data Mining, Digital Image Processing
7	Courses taught at Under Graduate/ Post Graduate Level	Data Mining, Digital Image Processing, Object Oriented Programming, Computer Graphics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): 02
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	16
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	01 Clustering Techniques in Spatial Data Analysis , co- authors: R. Sarmah, D. K. Bhattacharyya and J. K. Kalita, published by Verlag DM AG & Co, KGin, Germany in 2012; ISBN :978-3-8473-4150-5.


Sl. No.	Field Name	
1	Name	Nilakhi Saikia
2	Date of Birth	15-11-1991
3	AICTE Unique ID	1-9315167772
4	Educational Qualifications	B.TECH, M.TECH
5	Work Experience (In years)	Teaching: 2.7 YEARS
		Research:
		Industry:
		Others: PROJECT (1 YEAR)
6	Area of Specialization	SIGNAL PROCESSING AND VLSI DESIGN
7	Courses taught at Under Graduate/ Post Graduate Level	Basics of Signal and Systems, Digital systems, Computer Organization and Architecture, Computer Vision, Digital Image Processing.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	1 (INTERNATIONAL JOURNAL)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Dr. Neelanjana Baruah
2	Date of Birth	1 st July, 1960
3	AICTE Unique ID	1-499972199
4	Educational Qualifications	Ph D
5	Work Experience (In years)	Teaching: 37 years
		Research: None
		Industry: 01 year
		Others: None
6	Area of Specialization	Electrical and Instrumentation Engineering
7	Courses taught at Under Graduate/ Post Graduate Level	UG: All basic courses, courses on Power Systems, Instrumentation Systems, Control Systems PG: Instrumentation and Control Systems
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 10
		Master (Completed/Ongoing): 8 (completed)
		Ph.D. (Completed/Ongoing): 2 (ongoing)
9	Projects Carried out	01 (Co PI)
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	03
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Arobindra Saikia
2	Date of Birth	20-03-1975
3	AICTE Unique ID	1-499439883
4	Educational Qualifications	M. Tech
5	Work Experience (In years)	Teaching: 15 Years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Instrumentation
7	Courses taught at Under Graduate/ Post Graduate Level	Digital Electronics, Advanced Process Control, Electronics Instruments, Optoelectronics, Instrumentation System Installation & Professional Practice, Optical fiber Communication, Advanced Control System, Environmental Instruments
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	“Enhancement of Electric Vehicle Stability and minimize its Energy Requirement” under Collaborative Research Scheme of ASTU under TEQIP III.
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	National Conference: 02 International Conference: 05 International Journals: 04
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Monisha Pathak
2	Date of Birth	08-02-1978
3	AICTE Unique ID	1-499439887
4	Educational Qualifications	M. Tech
5	Work Experience (In years)	Teaching: 15 Years
		Research:
		Industry:
		Others:
6	Area of Specialization	Instrumentation and Control
7	Courses taught at Under Graduate/ Post Graduate Level	Transducers, Process Control, Advanced Process Control, Modern Analytical Instruments, Industrial Instrumentation, Biomedical Instrumentation,
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	PI of “Robust Control of Uncertain Robotic Manipulator” under Collaborative Research Scheme of ASTU under TEQIP III.
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	National Conference: 02 International Conference: Nil International Journals: 04
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Dr. Sonali Biswas
2	Date of Birth	13.12.78
3	AICTE Unique ID	1-499972191
4	Educational Qualifications	PhD AWARDED
5	Work Experience (In years)	Teaching: 15 YEARS
		Research: 8 YEARS
		Industry:1 YEAR
		Others: R&D Central organization (1 year trainee)
6	Area of Specialization	MEMS Device design for Biomedical application
7	Courses taught at Under Graduate/ Post Graduate Level	UG: 1.Biomedical Instrumentation 2. Introduction to MEMS 3. Advanced Sensors and Instrumentation 4.Analog Electronics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 9
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	(NPIU-CRS): Early detection of cardiac irregularity based on human blood pressure model(CO-PI) (UG PROJ Guide) 1.Design and simulation of sun tracking solar panel system. 2. Industrial monitoring using Labview and GSM Module.
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	Vertical both basic research and applied research
12	Research Publications (No. of papers published in National/International Journals/Conferences)	international papers = 9
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Dr. Ujjwal Manikya Nath
2	Date of Birth	29/03/1989
3	AICTE Unique ID	
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 3
		Research: 3
		Industry: NIL
		Others: NIL
6	Area of Specialization	Control and Instrumentation
7	Courses taught at Under Graduate/ Post Graduate Level	Control Systems, Microprocessors and Microcontrollers, Power Electronics and Drives, Process Dynamics and Control, Advanced Process Dynamics and Control ,Introduction to Internet of Things, Fluid Dynamics and Control
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	1
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	No. of papers published in International Journals: 11
		No. of papers published in International Conferences: 7
		No. of Book chapters published: 5
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dr. Siddhartha Baruah
2	Date of Birth	01/03/1965
3	AICTE Unique ID	1-500324123
4	Educational Qualifications	B.Sc. (Physics) MCA Ph.D
5	Work Experience (In years)	Teaching: 32
		Research: 15
		Industry: Nil
		Others: Nil
6	Area of Specialization	Operating Systems, Computer Networks, Embedded Systems, Big Data Analytics, Data Mining, Machine Learning.
7	Courses taught at Under Graduate/ Post Graduate Level	Operating Systems, Computer Networks, Embedded Systems, Big Data Analytics, Artificial Intelligence
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: 10
		Master (Completed/Ongoing):200
		Ph.D. (Completed/Ongoing):05 ongoing
9	Projects Carried out	MODROB: 05 Research: 01
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	22
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Dr. Dhrubajyoti Baruah
2	Date of Birth	19/03/1979
3	AICTE Unique ID	1-500324127
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 15
		Research: 7
		Industry: NIL
		Others: NIL
6	Area of Specialization	DATA MINING
7	Courses taught at Under Graduate/ Post Graduate Level	MCA
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): 15
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	<p>1. Topic: “Comparative Analysis of Academic Achievement of Learners of Schools having Computer Aided Learning (CAL) Facility and Schools without CAL Facility”. Funding Agency: Axom SSA (Sarba Siksha Abhijan), Govt. of Assam.</p> <p>2. Topic: “Study on the Effectiveness of using Computerized Testing and Automatic Evaluation System” Funding Agency: NTS(National Testing Service-India), Mysore, Karnataka, Govt. of India.</p> <p>3. Topic: “Development of Elderly People Friendly Web Technology.” Funding Agency: DST (Department of Science & Technology) (TIE scheme),Govt. of India.</p> <p>4. Topic: “ Development of a database for data entry and Entry of data for the study on ‘Detail Survey of Micro, Cottage and Khadi & Village Industries for the State of Assam” Funding Agency: IIE (Indian Institute of Entrepreneurship), Govt of India.</p> <p>5. Topic : “Technology Generation Leading to Online Assamese Dictionary.” Funding Agency: ASTEC, Govt. of Assam.</p> <p>6. Topic : “Web Technology Development for Heritage Tai Ahom Manuscript” Funding Agency: DST (Dept. of Science and Technology),Govt. of India, under SHRI scheme.</p>
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	6
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Rupak Kumar Gogoi
2	Date of Birth	01-10-1969
3	AICTE Unique ID1500324501	1500324501
4	Educational Qualifications	B. Tech.
5	Work Experience (In years)	Teaching: 23
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	NA
7	Courses taught at Post Graduate Level	Theory of Computation, Design and Analysis of Algorithm, ML & Artificial Intelligence, System Software
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing):NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication etc.)	NIL


Sl. No.	Field Name	
1	Name	Chandrani Borah
2	Date of Birth	06.12.1991
3	AICTE Unique ID	1-3611594077
4	Educational Qualifications	MCA
5	Work Experience (In years)	Teaching: 5 years
		Research: NIL
		Industry: 1 year
		Others: MCA final Project (1 year)
6	Area of Specialization	Computer Languages such as C, shell programming (LINUX), MySQL, PHP, assembly language etc. Computer communications and networks Digital System
7	Courses taught at Under Graduate/ Post Graduate Level	MCA (Computer Networks, Computer Architecture, Digital System, MySQL, Assembly Language
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Abinash Borah
2	Date of Birth	03-03-1989
3	AICTE Unique ID	1-9315167251
4	Educational Qualifications	Master Of Computer Application (MCA)
5	Work Experience(In years)	Teaching: 7 years
		Research: NIL
		Industry: 1 years
		Others: MCA final Project (1 year)
6	Area of Specialization	Web technology
7	Courses taught at Under Graduate/ Post Graduate Level	MCA (Software Engineering, Object oriented programming, Computer architecture, Java programming, Python programming, Android App Development, Php, Dbms)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Sabikur Rahman
2	Date of Birth	17-12-1971
3	AICTE Unique ID	1-499340689
4	Educational Qualifications	M.Sc & M.Phil in Physics
5	Work Experience (In years)	Teaching: 19 years approximately (5 yrs approx at the +2 level in a Higher Secondary School & 14 yrs approximately at the Undergraduate level)
		Research: 1 year during M.Phil
		Industry: Nil
		Others: 2 years in an ISRO sponsored research project
6	Area of Specialization	Solid State Physics/Material Sciences
7	Courses taught at Under Graduate Level	Currently, Physics at the BTech 1 st year level. Earlier, Electrical Engineering Materials at the BTech 2 nd year level
8	Research guidance (Number of Students)	None
9	Projects Carried out	“Design and development of a Cradled Electric socket” under collaborative research scheme of ASTU under TEQIP III program. (As Co PI alongwith Dr. Gouri Goutam Borthakur as PI)
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National Conferences)	Two
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None


Sl. No.	Field Name	
		
1	Name	Dr. Munmi Gohain
2	Date of Birth	25/11/1987
3	AICTE Unique ID	1-9472357242
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 2.5 years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Plasma Physics
7	Courses taught at Under Graduate/ Post Graduate Level	Mathematical Physics, Atomic and Molecular Physics, Nuclear Physics, Physics (BE)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	07
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Dwijen Kumar Saikia
2	Date of Birth	01/01/1959
3	AICTE Unique ID	1-9314808933
4	Educational Qualifications	M.Sc. (Chemistry)
5	Work Experience (In years)	Teaching: 37 year
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Inorganic Chemistry
7	Courses taught at Under Graduate/ Post Graduate Level	1 st Sem and 2 nd Sem B. Tech. UG chemistry course under ASTU
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Dr. Abhijit Boruah
2	Date of Birth	23/11/1991
3	AICTE Unique ID	1-9472216682
4	Educational Qualifications	M.Sc., Ph.D.
5	Work Experience (In years)	Teaching: 1 year
		Research: 5
		Industry: NIL
		Others: NIL
6	Area of Specialization	Chemistry
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Chemistry (Atomic Structure, Polymer Chemistry, Electrochemistry)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	1 (Working as Project assistant)
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	Journal : 7 Book chapter: 2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
		
1	Name	Dr. Pangkita Deka
2	Date of Birth	01.02.1988
3	AICTE Unique ID	1-9472356982
4	Educational Qualifications	PhD
5	Work Experience (In years)	Teaching: 11 months
		Research: 8 yrs
		Industry: NIL
		Others: NIL
6	Area of Specialization	Catalysis (Physical and Inorganic Chemistry)
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Chemistry
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	9
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL


Sl. No.	Field Name	
1	Name	Rafiqul Islam
2	Date of Birth	01-01-1965
3	AICTE Unique ID	1-500246921
4	Educational Qualifications	M.Sc.
5	Work Experience (In years)	Teaching: 30 years
		Research: Nil
		Industry: Nil
		Others: Nil
6	Area of Specialization	Algebra & Topology
7	Courses taught at Under Graduate/ Post Graduate Level	Multivariate calculus, Complex Variables, Linear Algebra.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: Nil
		Master (Completed/Ongoing): Nil
		Ph.D. (Completed/Ongoing): Nil
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	2(Two)
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil


Sl. No.	Field Name	
1	Name	Asharani Baruah
2	Date of Birth	11/01/1967
3	AICTE Unique ID	1-513577454
4	Educational Qualifications	M.Sc. Mathematics
5	Work Experience (In years)	Teaching: 29 years
		Research: 0
		Industry: 0
		Others: 0
6	Area of Specialization	PURE MATHEMATICS
7	Courses taught at Under Graduate/ Post Graduate Level	Mathematics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: None
		Master (Completed/Ongoing): None
		Ph.D. (Completed/Ongoing): None
9	Projects Carried out	None
10	Patents (Filed & Granted)	None
11	Technology Transfer	None
12	Research Publications (No. of papers published in National/International Journals/Conferences)	None
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	None

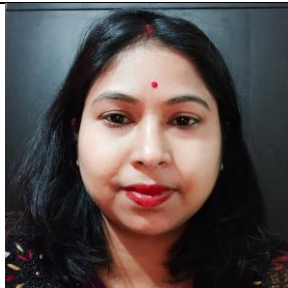
Sl. No.	Field Name	
1	Name	Babul Chiring Phukan
2	Date of Birth	01.03.1978
3	AICTE Unique ID	1-513577496
4	Educational Qualifications	M.Sc, M.Phil
5	Work Experience (In years)	Teaching: 12 Years
		Research: 1 Year (Pursuing Ph.D)
		Industry: NIL
		Others: NIL
6	Area of Specialization	Pure Mathematics, Graph Theory.
7	Courses taught at Under Graduate/ Post Graduate Level	Mathematics at Under Graduate.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
	Name	Kuntal Jyoti Saikia
2	Date of Birth	03-03-1993
3	AICTE Unique ID	1-9313722728
4	Educational Qualifications	B.Sc., M.Sc., M.Phil (Mathematics)
5	Work Experience (In years)	Teaching: 3
		Research: 1
		Industry: NIL
		Others: NIL
6	Area of Specialization	Computational Fluid Dynamics, Fuzzy Mathematics, Probability & Statistics, Magneto Hydrodynamics.
7	Courses taught at Under Graduate/ Post Graduate Level	Integral Calculus, Sequence & Series, Probability & Statistics, Partial Differential Equations, Complex Analysis, Numerical Analysis, Numerical Computation and Statistical Methods.
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/ International Journals/Conferences)	Journal = 1 Book Chapter = 2
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Dr. Champak Kumar Bharali
2	Date of Birth	01-01-1978
3	AICTE Unique ID	1-513577512
4	Educational Qualifications	M.A,M.Phil,B.Ed,PhD
5	Work Experience (In years)	Teaching: 11Years 9Months
		Research: 6 Years
		Industry: NIL
		Others: NIL
6	Area of Specialization	English Literature, Communication Skills, Cultural Studies
7	Courses taught at Under Graduate/ Post Graduate Level	Communication and Professional Skills
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): Nil
		Ph.D. (Completed/Ongoing): Nil
9	Projects Carried out	Nil
10	Patents (Filed & Granted)	Nil
11	Technology Transfer	Nil
12	Research Publications (No. of papers published in National/International Journals/Conferences)	07
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Nil

Sl. No.	Field Name	
1	Name	Samitesh Brahma
2	Date of Birth	12 November 1995
3	AICTE Unique ID	1-9471899054
4	Educational Qualifications	UG: B. Tech (Mechanical); PG: MBA
5	Work Experience (In years)	Teaching: 1
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Finance and Operations management
7	Courses taught at Under Graduate/ Post Graduate Level	Under Graduate: 2 Courses 1. Accountancy (HS181606) 2. Principles of Management (HS181704)
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NIL
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Richa Borthakur
2	Date of Birth	03.05.1992
3	AICTE Unique ID	1-9314808810
4	Educational Qualifications	M.A. in Sociology
5	Work Experience (In years)	Teaching: 2 years 5 months
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Medical Sociology
7	Courses taught at Under Graduate/ Post Graduate Level	Sociology
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NA
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	National Journals = 3
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

Sl. No.	Field Name	
1	Name	Chinmoyee Mahanta
2	Date of Birth	23/11/1985
3	AICTE Unique ID	1-9314433720
4	Educational Qualifications	M.A. in Economics
5	Work Experience (In years)	Teaching: 11 years
		Research: NIL
		Industry: NIL
		Others: NIL
6	Area of Specialization	Econometrics
7	Courses taught at Under Graduate/ Post Graduate Level	Engineering Economics
8	Research guidance (Number of Students)	No. of papers published in National/ International Journals/ Conferences: NIL
		Master (Completed/Ongoing): NIL
		Ph.D. (Completed/Ongoing): NIL
9	Projects Carried out	NA
10	Patents (Filed & Granted)	NIL
11	Technology Transfer	NIL
12	Research Publications (No. of papers published in National/International Journals/Conferences)	NIL
13	No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	NIL

9. Fee

1) Details of Fee, as approved by State Fee Committee, for the Institution:

B. Tech First Semester		
Serial No.	Particulars	Amount (Rs)
1	Admission	50
2	Tuition Fees (6 months)	750
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	500
8	Student welfare fund	75
9	Student AID fund	75
10	Identity card	150
11	Training placement cell	270
12	Library	150
13	Laboratory	1000
14	Magazine	250
15	University Affiliation	100
16	CIE	200
17	ISTE	200
18	Counselling	500
19	Co-operative	30
20	Internet	1500
21	Hostel attachment	800
22	Multi Gym	300
23	Campus Cleaning	700
24	JEC Bus Service	700
25	College security	1000
26	NBA Hand book	1000
27	Diamond Jubilee Celebration	1000
28	Induction Programme	1500

B. Tech Third, Fifth, Seventh Semesters		
Serial No.	Particulars	Amount (Rs)
1	Admission	50
2	Tuition Fees (6 months)	750
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	450

8	Student welfare fund	75
9	Student AID fund	75
10	Training placement cell	170
11	Library	150
12	Laboratory	500
13	Marksheet Duplication	30
14	Student Database	100
15	Magazine	50
16	University Affiliation	100
17	CIE	100
18	Cleaning and security	1000
19	JEC Bus Service	700
20	University Enrolment Fee	100

M. Tech First Semester		
Serial No.	Particulars	Amount (Rs)
1	Admission	100
2	Tuition Fees (6 months)	1200
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	450
8	Student welfare fund	289
9	Student aid fund	300
10	University mark sheet duplication	39
11	Student database maintenance	100
12	Magazine	50
13	Student identity card	150
14	University affiliation	100
15	Library	150
16	Development fund	1000
17	JEC Bus Service	700
18	Counselling fee of college	250
19	JEC Co-operative store	11
20	Internet Connection	1500
21	Security	200
22	Laboratory and Computing Facility	22,500 (Departmental Dues)
	Library	
	Journal	
	Dissertation	
	Teaching-learning activities	
	Minor construction	

M. Tech Third Semester		
Serial No.	Particulars	Amount (Rs)
1	Admission	100
2	Tuition Fees (6 months)	1200
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	450
8	Student welfare fund	75
9	Student aid fund	75
10	University mark sheet duplication	30
11	Student database maintenance	100
12	Magazine	50
13	University affiliation	100
14	Midterm Examination	100
15	Training and Placement Cell	170
16	Library	150
17	Laboratory	500
18	JEC Bus Service	700
19	Cleanliness and Sustainability	500

M.C.A. First Semester		
Serial No.	Particulars	Amount (Rs)
1	Admission	100
2	Tuition Fees (6 months)	1200
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	500
8	Student welfare fund	75
9	Student AID fund	75
10	Identity card	150
11	Training placement cell	270
12	Library	150
13	Laboratory	1000
14	Magazine	250
15	University Affiliation	100
16	CIE	200
17	ISTE	200

18	Counselling	500
19	Co-operative	30
20	Internet	1500
21	Hostel attachment	800
22	Multi Gym	300
23	Campus Cleaning	700
24	JEC Bus Service	700
25	College security	1000
26	NBA Hand book	1000
27	Diamond Jubilee Celebration	1000
28	Induction Programme	1500

M.C.A. Third and Fifth Semester		
Serial No.	Particulars	Amount (Rs)
1	Admission	100
2	Tuition Fees (6 months)	1200
3	Hostel Seat Rent	300
4	Electricity	200
5	Magazine	50
6	Medical	50
7	Student union	450
8	Student welfare fund	75
9	Student AID fund	75
10	University Marksheet Duplication	30
11	Student Database Maintenance	100
12	Magazine	50
13	University affiliation	100
14	Midterm Examination	100
15	Training and placement cell	170
16	Library	150
17	Laboratory	500
18	JEC Bus Service	700
19	Cleanliness and sustainability	500

2) Time schedule for payment of Fee for the entire Programme :

In the months of January and July every year

3) No. of Fee waivers granted with amount and name of students:

No. of students = NA

4) Number of scholarships offered by the Institution, duration and amount

Serial No.	Name of the scholarship	Duration (years)
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

5) Criteria for Fee waivers/scholarship

Serial No.	Name of the scholarship	Criteria
1	Post matric scholarship for OBC Students	OBC
2	Ishan Uday special scholarship scheme for NER	North-East Region
3	Umbrella scheme for education of ST children post matric scholarship for ST students	ST
4	Post matric scholarship to ST students (Assam)	ST
5	Financial support to the students of NER for higher professional course	North-East Region
6	Merit-cum means scholarship for professional and teaching course SC	SC
7	PG scholarship scheme for ST students for pursuing professional course	ST
8	Pragati scholarship scheme for girls (degree) for technical education	Girls (in technical education)
9	Engineering and technical scholarship	70%
10	North Eastern Scholarship	70%

6) Estimated cost of Boarding and Lodging in Hostels: Rs. 2500.00 per month

7) Any other fee please specify: None

10. Admission

- **Number of seats sanctioned with the year of approval 2022-23**

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

- **Number of Students admitted under various categories each year in the last three years**

Year	Number of Students Admitted									
	General Category		SC		ST		OBC		Total	
	Total	Female	Total	Female	Total	Female	Total	Female	Total	Female
2022-23	151	41	17	3	58	17	76	17	348	92
2021-22	167	47	19	4	57	21	100	23	343	95
2020-21	169	42	24	8	56	15	86	23	335	88
2019-20	135	39	25	6	61	24	117	26	338	95

- **Number of applications received during last two years for admission under Management Quota and number admitted : NA**

11. Admission Procedure

- **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)

- **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)

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

For vacant seats the calendar is as follows:

- | | |
|--------------------------------|-----------------------------|
| First Counselling Date at JEC | : 15.09.2022 and 16.09.2022 |
| Second Counselling Date at JEC | : 27.09.2022 |
| Third Counselling Date at JEC | : 11.10.2022 |
- Last date of request for applications : 26.08.2022
 - Last date of submission of applications : 06.09.2022
 - Dates for announcing final results : 22-10-2022
 - Release of admission list (main list and waiting list shall be announced on the same day): **Done by the Directorate of Technical Education, Assam**
 - Date for acceptance by the candidate (time given shall in no case be less than 15days)
 - Last date for closing of admission : **20-10-2022**
 - Starting of the Academic session : **24-10-2022**
 - The waiting list shall be activated only on the expiry of date of main list: **Done by the Directorate of Technical Education, Assam**
 - 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

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

- 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**
- Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years
- **Display marks scored in Test etc. and in aggregate for all candidates who were admitted**

Year	Category	Civil Engineering	Mechanical Engineering	Electrical Engineering	Computer Science & Engineering	Instrumentation Engineering
2020	GEN	160	161	153	181	141
	OBC/MOBC	129	121	120	160	111
	SC	116	90	89	108	76
	STP	103	104	103	132	96
	STH	86	37	33	32	---
	EWS	136	149	129	144	96
	Reservation OBC/MOBC	134	119	109	132	112
2021	GEN	131	129	127	166	122
	OBC/MOBC	102	99	104	134	96
	SC	103	103	100	118	80
	STP	81	83	80	106	77
	STH	69	41	50	105	17
	EWS	127	127	124	146	117
	Reservation OBC/MOBC	96	105	103	112	85
	TGL	---	---	34	---	---
2022	GEN	106	101	109	167	85
	OBC/MOBC	94	96	91	149	83
	SC	89	83	74	98	73
	STP	87	75	77	99	66
	STH	76	38	48	75	73
	EWS	92	92	97	164	75
	Reservation OBC/MOBC					
	TGL	67	--	--	--	--

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. List of candidates who have applied along with percentage and percentile score for Management quota seats (merit wise): **Done by the Directorate of Technical Education, Assam**

14. Results of Admission Under Management seats/Vacant seats : Not Applicable

15. Information of Infrastructure and Other Resources Available

• **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

• **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	Emebded 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 m ²)
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

• **Number of Computer Centres with capacity of each**

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

• **Central Examination Facility, Number of rooms and capacity of each :**

All Class rooms are available for Central Examination Facility.

• **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

• Occupancy Certificate

GOVT. OF ASSAM
OFFICE OF THE CIRCLE OFFICER:: JORHAT EAST CIRCLE::JORHAT

No. JEC/20/10 | 115

Dated the Jorhat 14th February/2017

To,



Dr. Reeta Sharma,
Principal
Jorhat Engineering Collage, Jorhat

Sub:
Ref:

Occupancy Certificate
No. JEC/ST/Misc/2017/438 dated 1st February/2017

Madam,

With reference to the subject cited above, the occupied dags along with areas of Jorhat Engineering College of Dulia and Dulia Pam Gaon under Garmur Mouza are given below. It is to be noted that the below mentioned dags are Govt. land and in the remarks column of Citha, Jorhat Engineering College name is written against the corresponding dag.

Sl No.	Mouza	Gaon	Dag No	Area of land		
				B	K	L
1	Garmur	Dulia Gaon				
2			1	2	0	10
3			2	34	3	14
4			3	1	4	0
5			4	12	0	18
6			5	1	4	17
7			6	2	3	14
8			7	2	0	19
9			8	0	0	18
10			9	6	4	19
11			10	0	4	9
12			11	1	4	9
13			12	0	1	5
14			13	1	1	4
15			15	0	1	2
16			37	0	4	9

Contd.,P/2

Signature valid

Digitally signed by Reeta
Sarmah
Date: 2021.02.01 01:40:12
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(2)



Sl No.	Mouza	Gaon	Dag No	Area of land		
				B	K	L
17	Garmur	Dulia Gaon	38	3	0	12
18			57	0	0	18
19			68	1	2	6
20			69	2	2	14
21			70	9	3	3
22			71	2	1	10
23			72	2	0	3
24			99	2	1	12
25			100	104	4	5
26			101	1	0	3
27			102	3	0	13
28			103	0	1	4
29			145	2	1	13
30			201	1	3	5
31			202	3	1	5
32			203	1	1	6
33			204	1	0	1
34			205	0	1	10
35			230	1	1	13
36			231	1	1	13
37			232	4	0	7
38			233	0	4	13
39			234	0	4	10
40			366	0	4	11
41			367	2	1	12
42			368	0	0	19
43			377	0	1	12
44			380	8	3	12
45			381	5	2	13
46			382	2	2	14
47			384	1	0	12
48			386	0	3	0
49			387	1	2	11
50	388	0	0	19		
51	389	0	1	13		
52	390	5	2	0		
53	391	2	0	12		

Contd. P/3

Signature valid

Digitally signed by Reeta
Sarmah
Date: 2021.09.01 01:40:12
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(3)

Sl No.	Mouza	Gaon	Dag No	Area of land		
				B	K	L
54	Garmur	Dulia Gaon	392	0	4	0
55			393	1	0	8
56			394	1	3	1
57			395	0	2	4
58			508	60	3	6
59			509	4	0	0
60			510	13	1	19
61			511	2	0	15
62			512	2	0	0
63			513	0	4	10
64			515	1	3	18
65			516	0	3	10
66			750	2	1	15
67	Total :-			344	4	12
Sl No.	Mouza	Gaon	Dag No	Area of land		
				B	K	L
68	Garmur	Dulia Pam	26	2	2	0
69			27	0	0	17
70			28	1	4	9
71			30	0	0	10
72			31	0	1	10
73			33	3	1	14
74			34	1	2	8
75			35	1	0	6
76			36	1	4	0
77			37	1	2	3
78			38	51	2	0
79			39	1	4	0
80			40	1	4	12
81			42	1	2	3
82			43	1	1	13
83			44	1	3	5
84			47	0	3	19
85			48	1	1	10
86			49	1	3	19
87			50	2	2	11
88			51	1	4	3
89			52	2	2	19
90			53	9	2	2
91			54	1	1	3
92			55	0	3	14



Signature valid

Digitally signed by Reeta

Sarmah

Date: 2021.09.01 01:40:12

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(4)

Sl No.	Mouza	Gaon	Dag No	Area of land				
				B	K	L		
93	Garmur	Dulia Pam	56	0	1	5		
94			57	0	3	14		
95			58	0	2	19		
96			61	1	1	3		
97			62	0	4	9		
98			131	3	3	0		
99			134	4	0	3		
100			135	0	3	19		
101			136	2	3	4		
102			165	1	2	0		
103			166	0	3	0		
104			236	0	3	6		
105			237	0	4	7		
106			238	0	0	19		
107			242	0	3	0		
108			243	0	0	18		
109			288	0	3	15		
110			646	0	1	0		
111			652	1	0	0		
112			653	0	0	15		
123			654	1	0	0		
124			655	3	0	5		
125			656	0	4	0		
126			657	1	3	0		
127			658	7	0	0		
128			659	1	0	0		
129			660	0	3	0		
130			695	1	0	0		
131			696	2	4	4		
Total :-				135	4	15		



Reeta Sarmah
14/11/22
Circle officer
Jorhat East Revenue Circle
Jorhat East Revenue Circle

Signature valid

Digitally signed by Reeta Sarmah
Date: 2022.11.01 01:40:12 IST

• Structural Fitness Certificate

**GOVT. OF ASSAM
OFFICE OF THE EXECUTIVE ENGINEER, PWD
JORHAT DISTRICT TERRITORIAL BUILDING DIVISION,
JORHAT**

STRUCTURAL FITNESS CERTIFICATE

This is to certify that the following buildings of Jorhat Engineering College are visually assessed and found structurally stable. –


(A) R.C.C Building


1. Administrative and Academic Building RCC (G+2)
2. New Building RCC (G+1)
3. RCC Boys Hostel (G+2)
4. Girls Hostel 2Nos.(G+1)

(B) Assam Type Building

1. Workshop Building 5 nos.
2. Boys Hostel 7nos.
3. Blacksmith Shop 1no.

The Jorhat Engineering College was established in 1960 and is situated in their own campus. All the buildings are visually assessed and found structurally stable.


Assistant Executive Engineer, PW(B&NH)Dept
Jorhat & Dergaon Territorial
Building Sub-Division


Executive Engineer, PW(B&NH)Dept
Jorhat District Territorial
Building Division

GOVT. OF ASSAM
OFFICE OF THE EXECUTIVE ENGINEER, P.W.D JORHAT ELECTRICAL DIVISION
JORHAT

No. JED/

Date:

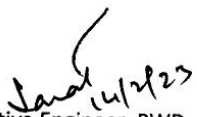
To,

✓ The Principal
Jorhat Engineering College
Jorhat

Ref: Your letter No. JEC/ST/Misc/2023/395

FITNESS/ SAFETY CERTIFICATE

This is to certify that the electrical installations of various buildings (Academic Buildings, Administrative Block, Work Shops, Auditorium, Hostels etc.) of Jorhat Engineering College have been checked and found safe under normal voltage conditions.


Executive Engineer, PWD
Jorhat Electrical Division

Memo No. JED/74/Km 4/2023/362

Date: 14-02-2023

Copy to:

1. The Assistant Executive Engineer, PWD, Jorhat Electrical Division for your kind information

Executive Engineer, PWD
Jorhat Electrical Division

• Fire and Safety Certificate



GOVT. OF ASSAM,
JORHAT FIRE & EMERGENCY SERVICES STATION,
JORHAT, ASSAM.

No. JHF/F&ESS/NOC/62/ 172 /2022

Dt. 22.03.2022

To,

Dr. Reeta Sarmah,
Principal,
Jorhat Engineering College,
Jorhat.

SUB:- Fire Safety Measure Certificate.

Ref:- Your letter No. JEC/ST/Misc/2022/1088 dated 15th March'2022.

Sir,

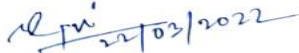
With reference to the above, I have the honour to inform you that self visited and inspected the existing fire safety measures and found portable fire extinguishers in good working condition.

However it is to be mentionable that additional Fire Safety Measures are required to be installed in your buildings as per National Building Code of India 2016 which is enclosed herewith at Annex. A.

Therefore you are requested to take necessary steps for installation of the additional fire safety measures.

Encl. Annex. A

Yours faithfully,


Senior Station Officer,
Jorhat Fire & Emergency Services Station,
Jorhat, Assam.

• 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. Dhruvajyoti Baruah	9864321999	dhrubaghy@gmail.com	75	50
3	Mr. Pranabjyoti Haloi	8399074476	pranabjyoti2003@gmail.com	75	58
4	Mr. 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	Dr. Mrinal Kumar Dutta	9954420995	mrinaldk@rediffmail.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

• Library

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.

Name : Mrs. Jinamoni Saikia

Designation : Librarian

Qualification : MLIS

Mobile No. 9435094911

Email ID : jinamonisaikiajec@gmail.com

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

- 2) List of online National/ International Journals subscribed
 - a. Taylor and Francis online journal access
 - b. ASME e-journal
 - c. Elsevier Engineering and Computer Science
- 3) E- Library facilities
 - a. Participation in E-Sodhsindhu, an INFLIBNET programme
 - b. Pearson e-books on Computer Science and IT
- 4) National Digital Library (NDL) subscription details: Not applicable

● Laboratory and Workshop

- List of Major Equipment/Facilities in each Laboratory/ Workshop
- 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	<ol style="list-style-type: none"> 1. Total Station 2. Auto Level
02	Geotechnical Engineering	108	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. UV visible spectrophotometer 2. Flame photometer 3. BOD incubator 4. Muffle furnace 5. Distillation unit
05	Hydraulics Laboratory	756	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Flextural Testing Machine 2. Tensile testing machine

			<ul style="list-style-type: none"> 3. Universal testing machine 4. Compression machine 5. Tiles flextural testing machine 6. Tiles abrasion testing machine
07	Geology Laboratory	80	<ul style="list-style-type: none"> 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, CO ₂ , NO _x , SO ₂ (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: <ul style="list-style-type: none"> 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)	For project work by the students

			4. Soildworks Education Edition 2019: 60 perpetual licenses	
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.), 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.)	Study of Slip Gauges, Calibration of Micrometer Using Slip Gauges, Height Measurement using Height Gauge, Surface Roughness Measurement, Screw Thread Profile Measurement using 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.),	Cam Analysis Apparatus, Universal Governor, Slider And Crank Mechanism, Epicyclic Gear Train, Sleep And Creep Apparatus, Vibration Apparatus,

			<p>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.)</p>	<p>Balancing Apparatus, Gyroscope, Journal Bearing Apparatus, Whirling Of Shsft Apparatus, Coriollis Component Apparatus</p>
6	Engineering Mechanics Laboratory	9.3	<p>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.)</p>	<p>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</p>
7	Fluid Mechanics Laboratory	50.54	<ol style="list-style-type: none"> 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 	<p>Same as equipment</p>

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	<p>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)</p> <p>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</p> <p>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, Integrated RAID Controller configured for RAID 5, 2 X 10 G Integrated gigabit Ethernet card SFP+, Cent OS</p> <p>Programming Server (INTEL XEON 2.2 GHZ, 32GB RAM, 900 GB SAS HDD, Linux, Dell PowerEdge R520)</p>	<p>Parallel programming</p> <p>GPU programming</p> <p>Database Server</p> <p>Web Server</p> <p>High performance computing</p>
2	Programming Lab One	94	Thirty-six Desktop Computers (CORE i7 4.6 GHZ, 8GB DDR-4, 1TB HDD, WIN-10 PRO)	<p>Practical on DBMS, DSA, OOP, Web technology, Compiler construction, Network programming, Operating system internals, Java, Python</p>
3	Programming Lab Two	94	Thirty-seven Desktop Computers (CORE i3 3.30 GHZ, 4GB DDR-3, 320 GB, WIN-7 PRO)	<p>Practical on DBMS, DSA, OOP, Web technology, Compiler construction,</p>

				Network programming, Operating system internals, Java, Python
4	Embedded Computing Laboratory	32	<p>Twenty-four Desktop Computers (CORE i7/i-5/i-3, 8/4 GB DDR-4/DDR-3, 1TB/500GB HDD, WIN-10/WIN-8)</p> <p>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</p>	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	34	8085 Microprocessor Trainer, 8086 Microprocessor Trainer	Microprocessor programming
7	Basic Electronics Laboratory	---	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 Equipments	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 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), Bread Board Panel (6), Logic gate Trainer Kit (1)	Analog System Lab Trainer, Electrical & Electronics System trainer, semiconductor & Power semiconductor Device Experiment Panel, Transistor Application Trainer 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	USB Programmer 8085 Microprocessor Kit, 8051 Board, Expandable Interface Modules 1(8 Channel ADC interfacing kit),

			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)	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), 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)	<p>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</p> <p>Instrumentation Lab-II (Basic Analytical Measurement): 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</p> <p>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</p>

				<p>Acquisition Unit equipped with electrodes, amplifier and A/D Converter, Measurement of Optical fibre Characteristics with different physical inputs (Optical Bench with all accessories),</p> <p>Detection of Cardiac Irregularities on human Blood Pressure Model;</p> <p>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.</p>
3	Control & DSP Lab (Both hard & soft mode)	--	Software available: MATLAB, LabVIEW and Multisim etc.	<p>i)Familiarization with MATLAB coding language and SIMULINK tool box</p> <p>ii)Develop step and impulse responses of a linear first-order systems</p> <p>iii)Develop step and impulse responses of a linear second-order system</p> <p>iv)Illustrate steady state errors for a type '0', type '1', type '2' systems using MATLAB</p> <p>v)Construct Root locus plot of a second-order system using MATLAB</p> <p>vi)Experiment with Bode plot of a second-order system using MATLAB</p> <p>vii)Construct Nyquist plot of a second-order system using MATLAB</p> <p>viii)Examine the effect of a forward-path lead compensator of a linear feedback control system</p> <p>ix)Analyse the effect of addition of zeros to the forward path transfer function of a closed loop system</p> <p>x)Analyse the effect of addition of poles to the forward path transfer function of a closed loop system</p> <p>xi)Speed control of DC motor</p> <p>i)Characterization of various transducers like LVDT, Cantilever</p>

				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 Equipments	Experimental Setup
1.	PROGRAMMING LAB.	58	IBM SYSTEM X 3550 RACK MOUNT SERVER, PC	CLIENT-SERVER BASED PROGRAMMING SETUP.
2.	EMEBDED 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 Equipments	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. Universal Tool Grinder =1Nos. Hand Drill Machine =1Nos. Centre Lathe(all gear)H.M.T.=1Nos.	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.
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 turned 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**

N O	Location	PROCESSOR	RAM	MOTHE R 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	<p>PLAXIS 2D (2016) Suite: PLAXIS 2D suite includes all the 2D module of PLAXIS family.</p> <p>Basic Module – This includes static elasto-plastic deformation, advanced soil models, consolidation, updated mesh and steady state groundwater flow.</p> <p>Dynamics Module - The PLAXIS Dynamics module one can analyze the effects of vibrations in the soil.</p> <p>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.</p> <p>UDSM – User defined Soil Model</p> <p>2D Thermal - Temperature and heat flux distribution in soil and structures (Available in 2D Only)</p>
MIKE -2020	MIKE 21C Powered by DHI, Latest Version , Perpetual in nature
COMSOL	<p>COMSOL Multi-physics software:</p> <ol style="list-style-type: none"> 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	<p>LabVIEW Academy Package Suite (Research License) ----- 5 users</p> <p><u>Toolkit and Modules</u></p> <ol style="list-style-type: none"> 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
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- Special purpose facilities available: Available
- Innovation Cell : Available
- Social Media Cell : Available
- Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments : NA
- **List of facilities available**

Facility Name	
<p style="text-align: center;">Auditorium</p>	
<p style="text-align: center;">Canteen</p>	
<p style="text-align: center;">Cafeteria</p>	

• Games and Sports Facilities

The College provides following sports facilities to the students:

1. Playground for outdoor games
2. Gymnasium
3. Indoor games facilities like badminton, table tennis in each hostel.

THE COLLEGE WEEK: The annual college week is organized by the Jorhat Engineering College Student Union (JECSU) under the supervision of college authority. Various games and sports, literary and cultural events are held during annual college week. Other events like technical Debates, Group Discussions, Presentations, Stage Plays, Mimes, Creative Writings, and Interactive Online/Offline Games etc. are also held during the week. It also encourages and prepares the interested students for participation in various sports competitions at state & national level.

PHOENIX: Phoenix is the national level techno-cultural festival of Jorhat Engineering College. Every year a plethora of events such as workshops, exhibitions, quiz, fashion show, gaming, robotics, dance and rock competitions attract a large number of participants from the entire NE region. Phoenix symbolizes the unique spirit of JEC which always believes in providing a platform to all kind of talents and nurturing them by giving them an exposure.

• Extra-Curricular Activities

Club Activities:

FOTOKRAFT: FotoKraft - the JEC Photography Club is an amateur photographers' club started by a group of students of Jorhat Engineering College in the year 2012 on the 18th of April. The Club aims at promoting the interest of students in the field of photography. It also acts as the Photo-Journalist of JEC and does pictorial documentation of any event occurring in the college. So far, the club has covered many noteworthy and important college events like the Diamond Jubilee, Golden Jubilee of the College itself, the Golden jubilee of Hostel no.4, the Silver Jubilee of Hostel no.6 and two consecutive Techno-cultural festivals of the college- Phoenix. Besides that, the other activities of the club include photo-shootouts, holding photography-workshops and photo exhibitions. The club has its own photo gallery in the college premise which is renewed every month with new pictures of college events and others.

PROYAS: "Proyas", the voluntary welfare society, of Jorhat Engineering College was incepted in 2012

with the noble aim of disseminating the idea of social and moral commitment among the JOENCOVITES, envisioning the greater perspective of laying the foundation for a better tomorrow. As the name suggests, Proyas is an endeavor “of the students, by the students, for the students (for the entire JEC family to be more appropriate)” to promote a cleaner and greener campus and to revive the sense of responsibility and consciousness among the students. Team Proyas has been tenaciously working towards eradicating social evils and fostering civic and moral responsibilities of the students and the entire JEC fraternity alike. It has initiated several cleanliness drives and plantation programmes and various other events in the campus under its banner. With the ever-increasing zest and enthusiasm of the philanthropists of Jorhat Engineering College, it is hoped that Proyas shall continue to spread its aura of goodwill.

AVANT GARDE: Rightly said by Sir Jackson Pollock, infamous American painter, choosing the brush, here in Jorhat Engineering College, Jorhat few of many of the artistic minds came together to form ‘Avant Garde’. As the name suggests, innovative and futuristic, Avant Garde gives a broad spectrum to those budding artists who have a knack for art and activities related to creating art; those who dare to go beyond the usual aesthetics of art. Be it painting, sculpture making, crafts work, poster making, Avant Garde, gives a platform to the artistic minds to come forward and enhance their talents and take their dreams of creating art to a new level.

THE QUIZ CLUB: ‘The Quiz Club of Jorhat Engineering College’ has proved to be the abode where the intellectual abilities of students are refined. It’s a consortium where knowledge is unlocked at the speed of thought. The club acts as a platform for the student community to experience the sheer joy of jogging one’s grey cells, exercising one’s curiosity, connecting the dots, thinking out-of-the-box, arriving at an answer and expressing it creatively within split seconds while working in teams to win the competitions. It conducts quizzes for many flagship events of the institution such as Sangram, Prashnam etc., the wildly popular “pub quizzes”, hosts the “World Quizzing Championship” regional round and other theme-based quizzes. It organizes the much awaited “Braingrill-The Quiz Fest of JEC” and other quizzes in the techno-cultural fest of the institution.

THE JEC DEBATING SOCIETY: The JEC Debating Society, which was founded in 2016, is undoubtedly one of the most successful societies of the college. Comprising of around 30 members from all departments, its primary focus is towards taking part in two kinds of debates, the Parliamentary form and the Conventional form. Apart from the several debates organized during various occasions in the

college this society also conducts ‘Mantrana’ which is the Inter-Institutional Debate organized during our techno-cultural festival ‘Phoenix’ and is extremely popular among debate enthusiasts across the state. The member also participates in debates all across the state, right from the debates organized by the various organizations to the debates held by other engineering colleges as well as other colleges across the state.

THE LITERARY SOCIETY: A group of enthusiasts among students could hear the calling of those words buried deep beneath within everyone wanting to bleed on paper. To fulfill this purpose, they took a baby step and formed ‘The JEC Literary Society’ in March 2016 to let everyone swirl and swing the words which tangle their deep emotions. Envisioned to sharpen the rusted mightiest sword pen they decided to organize various literary competitions on occasion of Engineers day, Vigilance Awareness day, College week and various other occasions. This allowed the students of this premiere institution to understand the purpose of those celebrated days deeply and to express their viewpoints. The team also publishes two newsletters, one ‘Joenco Journal-The JEC souvenir’ which provides a platform and reveals the literary talents of all those hidden poets and writers in our institution. This society also holds ‘The Literary Bout’ in the techno-cultural fest of the institution. ‘The Literary Bout’ which is the biggest literary fest in upper Assam in an umbrella of various successful events.

THE JEC CHRONICLE: Jorhat Engineering College publishes its own campus newsletter ‘The JEC Chronicle. It envisioned weaving the different spheres of college life together, and acquainting one and all with everything that one ought to know while in JEC. This newsletter is an attempt to keep JEC at par with other institutions worldwide. The team here at JEC leaves no stone unturned to ensure that each and every student has access to the latest update in the college. Starting from college events and placement statistics, anything found relevant for a JOENCOVITE is broadcast, either through the editions, released twice a year or simply through the JEC website.

NCC:51 Assam Sqn (Tech) NCC was raised on 04th November 1957 as 2 Assam Air Sqn(Tech) NCC. It was re-designated as 51 Assam Air Sqn(Tech), NCC under Gp HQ in April 1969, since then this unit has been functioning at Jorhat Engineering College campus. The NCC unit of Jorhat Engineering College is now under the supervision of Dr. Champak Kumar Bharali, Assistant Professor, Department of Humanities. At present the unit has a capacity of 100 Senior Division cadet enrolments. This 51 Assam Sqn (Tech) NCC, JEC provides B and C Certificates. The undergraduate level students can get enrolled for B Certificate. The duration of B Certificate course is two years; students having A Certificate in school level

may complete the B Certificate course in one year. Students can get enrolled in C Certificate course only after completion of B Certificate course. The duration for C Certificate course is one year. The cadet enrolment process generally starts in the month of July; if a student gets enrolled in 1st year of B.E and then can complete C Certificate course in the 3rd Year of B.E. Attendance, Course work, Training, Camp and other stipulated activities are strictly maintained in this unit.

ROBOWORLD: The robotics club of JEC is a student-run club on campus with an active participation of around 100 students. The club was initiated in the year 2010. This brings together like-minded students from all the departments of the college to have fun in building robots. JEC Roboworld provides an opportunity for students to supplement their education with hands-on experience in integration engineering. It offers indispensable guidance, workshops and tutorials along with tools, equipment, components and workspace. The family meets periodically to discuss over matters such as the management of the workspace, workshops, projects and competitions. Well defined goals, an organized and disciplined work structure and motivated members are the features of the club that have helped the club to grow to a level where it stands now. The club today is an active platform for students to display and develop their practical machine building skills and knowledge.

JEC GLUG: The Jorhat Engineering College GNU/Linux Users Group or the JEC GLUG upholds the international tradition of having a computer users' group in a technical college. Its objectives are simple: advocate use of free and open source software along with GNU/Linux, computer education, expert technical support, and socializing among computer enthusiasts. Since its inception in 2013, JEC GLUG has organized numerous events, some of which are as follows:

1. Install fests: Mass installations of GNU/Linux in students' computers, thus enabling them to further their computing skills.
2. Seminars on getting started with GNU/Linux, demonstrations of latest technologies and security issues.
3. Regular classes on particular topics, such as shell scripting.
4. Competitions and exams.

ISTE STUDENT CHAPTER: This chapter organizes competitions like group discussions on technical topics, modeling competitions, coding competitions etc. It also celebrates the Engineers' Day on 5th September every year by organizing completions among students.

- **Soft Skill Development Facilities:**

THE LANGUAGE LABORATORY

The language Laboratory of Jorhat Engineering College was established in 2014 with the funding of AICTE-NEQIP. At present it is under the supervision of Humanities Department, there are 39 capacity where students are trained to enhance their communication skills and leadership quality. Learners can develop their soft skills with the help of the inbuilt software where altogether 17 lessons are installed. Most of the lessons focus on interview skills, group discussion, communication skills, professional skills and pronunciation.

- **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.

- **Curricula and syllabus for each of the Programmes as approved by the University**

Link for Curricula and Syllabus : <https://jecassam.ac.in/academic/syllabus/>

• Academic Calendar of the University



ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

(A State University of Government of Assam constituted by "Assam Science and Technology University Act, 2009")
Tetelia Road, Jalukbari, Guwahati-781013, Assam
www.astu.ac.in

No: ASTU/ACAD/Calendar/550/

Date: 28/10/2022

Academic Calendar (Revised) for all courses for the session 2022-23 (Odd semester)

Commencement of Classes for existing students	For programs other than B.Tech: 22 nd August, 2022 For B.Tech program: 7 th September, 2022
Commencement of Classes for 1 st year students including Lateral Entry to 2 nd Year courses for newly admitted students	6 th October, 2022
Commencement of 3 (three) weeks mandatory Induction Program for B.Tech. 1 st Semester	6 th October, 2022
Program Registration and Course Registration for newly admitted students through ERP (for students)	Will be notified by the O/O Academic Registrar
Approval of Program Registration and Course Registration for newly admitted students through ERP (for college)	Will be notified by the O/O Academic Registrar
Course Registration (for students) through ERP for students except 1 st semester	17 th September, 2022 - 27 th September, 2022
Approval of Course Registration (for college) through ERP for students except 1 st semester	18 th September, 2022 - 7 th October, 2022
Last date for submission of Program Registration Forms for newly admitted students (Hard Copy)	15 th November, 2022
Notification of Programmes for End Semester Examinations by the University	Before 15 days of commencement of End Semester Examinations (ESE)
NC/DC/NES marking for ERP registered students	will be notified by the O/O CoE
Submission of online CE marks for ERP registered students	
Examination Form Fill-up for End Semester Examinations for repeaters	4 th week of November, 2022
Examination Form Fill-up for End Semester Examinations for regulars	Except 1 st Semester: 1 st week of December, 2022 1 st Semester: 2 nd week of January, 2023
Classes will continue till	Except 1 st Semester: 4 th week of December, 2022 1 st Semester: 1 st week of February, 2023
Issue of Admit Cards of End Semester Examination	Before one week of commencement of ESE
Commencement of End Term Examinations	Except 1 st Semester: 4 th week of December, 2022 to 2 nd Week of January, 2023 1 st Semester: 1 st week of February, 2023 to 2 nd week of February, 2023
Laboratory / Practical / Viva-voce Examination etc.	Within 7 working days before/after commencement of theory examinations
Evaluation and Submission of marks of End Semester Examination Answer Scripts	To be completed within 7 working days of completion of last theory ESE and it is a mandatory to follow by the college
Semester break	Except 1 st Semester: 3 rd & 4 th week of January, 2023 1 st Semester: 3 rd week of February, 2023
Declaration of Results	Within one month after completion of evaluation process and submission of all marks to the University

NOTE:

1. If there is any Government declared vacation/holiday, the time schedule will change accordingly
2. Care should to be taken to increase contact hour equivalent to 90 instructional days by utilizing holidays/Sundays, if necessary
3. The actual dates regarding examination related procedures will be notified by the Controller of Examinations
4. For students not enrolled under ERP, the existing academic and examination procedure will be followed
5. Any changes in the Academic Calendar will be intimated.

No: ASTU/ACAD/Calendar/550/ 7150

(Academic Registrar)

Date: 28/10/2022

Copy to:

1. Secy to VC for kind information of Hon'ble Vice-Chancellor, ASTU
2. The Registrar, ASTU for information
3. The Controller of Examinations, ASTU
4. The Principal of all affiliated colleges of ASTU
5. The webmaster, ASTU for upload in website

(Academic Registrar)

o/c



ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

(A State University of Government of Assam constituted by "Assam Science and Technology University Act, 2009")
Tetelia Road, Near Assam Engineering College, Jalukbari, Guwahati-781013, Assam
Website: www.astu.ac.in

No: ASTU/ACAD/Calendar/550/

Date: 28/10/2022

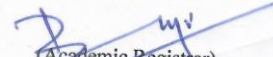
Academic Calendar for all courses for the session 2022-23 (Even semester)

Commencement of even semester classes	Except 2 nd Semester: 3 rd February, 2023 2 nd Semester: 23 rd February, 2023
Course Registration through ERP (for students)	1 st March, 2023 to 10 th March, 2023
Approval of Course Registration through ERP (for college)	2 nd March, 2023 to 20 th March, 2023
Notification of Programmes for even semester End Semester Examinations by the University	Before 15 days of commencement of End Semester Examination (ESE)
NC/DC/NES marking for ERP registered students	will be notified by the O/O CoE
Submission of online CE marks for ERP registered students	
Examination Form Fill-up for End Semester Examinations (repeaters)	1 st week of May, 2023
Examination Form Fill-up for End Semester Examinations (regular)	3 rd week of May, 2023
Classes will continue till	Last week of May, 2023
Issue of Admit Cards of End Semester Examinations	Before one week of commencement of End Semester Examinations (ESE)
Commencement of End Term Examinations	1 st week of June, 2023
Laboratory / Practical / Viva-voce Examination etc.	Within 7 working days before/after commencement of theory examinations
Evaluation and Submission of marks of End Semester Examination Answer Scripts	To be completed within 7 working days of completion of last theory ESE and it is mandatory to follow by the college
Summer Break (3-4 weeks) (mandatory internship to be done during the summer break)	In the month of June/July 2023 after completion of End term Examination
Declaration of Results	Final semester: Within 15 days after completion of evaluation process and submission of all marks to the University Intermediate semester: Within one month after completion of evaluation process and submission of all marks to the University

NOTE:


1. If there is any Government declared vacation/holiday, the time schedule will change accordingly
2. Care should to be taken to increase contact hour equivalent to 90 instructional days by utilizing holidays/Sundays, if necessary
3. The actual dates regarding examination related procedures will be notified by the Controller of Examinations
4. For students not enrolled under ERP, the existing academic and examination procedure will be followed
5. Any changes in the Academic Calendar will be intimated.

No: ASTU/ACAD/Calendar/550/ 7149


(Academic Registrar)
Date: 28/10/2022

Copy to:

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5. The webmaster, ASTU for upload in website


(Academic Registrar)

ofc

- Academic Time Table with the name of the Faculty members handling the Course
- Teaching Load of each Faculty

1. CIVIL ENGINEERING DEPARTMENT

Day	PERIOD	FIRST	SECOND	THIRD	Brea k	FOURTH	Brea k	FIFTH	SIXT H
	SEMEST ER	8.00- 9.00AM	9.15-10.15AM	10.30- 11.30AM		11.45- 12.45PM		2.00- 3.00P M	3.00- 4.00P M
MONDAY	FIRST			EG & Design (SK,P.SARMA &GH)					
	THIRD	SA1(BH)	MATHS-III	SM(NB)		C.O.I		BCP(P S)	
	FIFTH	ENGG ECO	OCF& IE(PKK)	SD I (NMC)		G.EI(AB)		CE LAB (A.DEKA,PB), (JG,SK), (KK,CS)	
	SEVENT H	MANAGEME NT	OE (JG)	Q.SUR(CS)		PE-I (BH/RG)		PROJECT-I	
TUESDAY	FIRST			EG & Design (SK,A.DEKA &GH)					
	THIRD	C.O.I	BC&P(PS)	MATHS-III A		ENGG.SUR(K K)		SM(N B)	
	FIFTH	EE(JG)	SD I (NMC)	TE I(A.DAS)		OCF& IE(MA)		CE LAB (A.DEKA,PB), (JG,SK), (KK,CS)	
	SEVENT H		PE-2(KK)	PE-I (BH/RG)		PE-2 (PB)		PROJECT-I	
WEDNESD AY	FIRST								
	THIRD	SM(NB)	MATHS-III A	FM(CS)		SA1(BH)		CAD (NB/MA)	
	FIFTH	TE I(A.DAS)	OCF& IE(PKK)	SD I (NMC)		ENGG ECO		CE LAB (A.DEKA,PB), (JG,SK), (KK,CS)	
	SEVENT H	Q.SURVEY (CS)	OE(JG)	PE-2(PB)		MANAGEME NT		PROJECT-I	
THURSDAY	FIRST								
	THIRD	SA1(BH)	FM(CS)	ENGG.SUR(K K)		BCP(PB)		CAD (NB/MA)	
	FIFTH	EE(JG)	TE I(A.DAS)	SD I (NMC)		GE I(AB)		CE LAB (A.DEKA,PB), (JG,SK), (KK,CS)	
	SEVENT H	Q.SURVEY (CS)	PE-2(KK)	PE-I (BH/RG)		OE(JG)		PROJECT-I	
FRIDAY	FIRST								
	THIRD	SA1(BH)	ENGG.SUR(K K)	BC&P(PB/PS)		FM(CS)		CAD (NB/MA)	
	FIFTH	SD I (NMC)	EE(JG)	GE I(AB)		ENGG ECO		CE LAB (O8A.DEKA,PB (KK,CS)	
	SEVENT H		Q.SURVEY (CS)	PE-2(PB)		MANAGEME NT		PROJECT-I	

SATURDAY	FIRST		EG & Design CSE(PS,GH)	EG & Design EE/IN (PS, ADeka)		
	THIRD	SM(NB)	FM(CS)	ENGG.SUR (KK)		BCP(PB)
	FIFTH	EE(JG)	OCF& IE(MA)	TE I(A.DAS)		GE I(AB)
	SEVENTH		PE-2(PB)	PE-I (BH/RG)		OE(JG)

Name of faculty	Designation	Class load	
		Odd Sem	Even Sem
Dr. P.K.Khaund	Professor	12	12
Dr. Arup Bhattacharjee	Professor	12	12
Dr. N.M.Chetia	Professor	12	12
Mr. Gautam Hazarika	Associate Professor	6	12
Dr. Mrinal Kr. Dutta	Associate Professor (Geology)	6	12
Dr. Achyut Das	Asstt. Professor	12	12
Mr. Rituparna Goswami	Asstt. Professor	12	12
Mr. Arup Deka	Asstt. Professor	10	8
Mr. Mrinal Adhyapak	Asstt. Professor	16	16
Dr. Chiranjeev Sarmah	Asstt. Professor	16	16
Ms. Prashanty Bora	Asstt. Professor	16	16
Mrs. Snigdha Kalita	Asstt. Professor	16	16
Mr. Baharul Islam	Asstt. Professor	4	14
Mr. Kaushik Kalita	Asstt. Professor	4	14

2. COMPUTER SCIENCE AND ENGINEERING CLASS ROUTINE FOR ODD SEMESTER 2021

COMPUTER SCIENCE AND ENGINEERING THIRD SEMESTER

	8-9 a.m.	9:15- 10:15 a.m.	10:30 – 11:30 a.m.	11:45 – 12:45 p.m.		2 -3 p.m.	3-4 p.m.
Monday		DS	Maths-III B	DSA	----	DS Lab	DS Lab
Tuesday	BSS	Maths-III B		COI	----	DSA Lab	DSA Lab
Wednesday	OOP		Maths-III B	DSA	----	OOP Lab	OOP Lab
Thursday	COI	DS		OOP	----	DSA Lab	DSA Lab
Friday	BSS		OOP	DS	----	OOP Lab	OOP Lab
Saturday		BSS		DSA	----		

Object Oriented Programming using C++ (**OOP**): Sauravjyoti Sarmah, Digital Systems (**DS**): Nilakhi Saikia, Data Structure and Algorithms (**DSA**): Rupam Baruah, Basics of Signals and Systems (**BSS**): Nilakhi Saikia, **OOP Lab**: Sauravjyoti Sarmah, **DSA Lab**: Biswajit Sarmah/Rupam Baruah, Digital System Lab (**DS Lab**): Nilakhi Saikia/Biswajit Sarmah, Constitution of India (**COI**): Humanities Department, Mathematics-III B (**Maths-III B**): Mathematics Department

COMPUTER SCIENCE AND ENGINEERING FIFTH SEMESTER

	8-9 a.m.	9:15-10:15 a.m.	10:30 – 11:30 a.m.	11:45 – 12:45 p.m.		2 -3 p.m.	3-4 p.m.
Monday		DAA		MICRO/CG	----	DBMS Lab	DBMS Lab
Tuesday	Eng. Eco	FLAT		DBMS	----	WP Lab	WP Lab
Wednesday	WP Lab(T)	FLAT		DAA	----	DAA Lab	DAA Lab
Thursday		MICRO/CG	DBMS	Eng. Eco	----	WP Lab	WP Lab
Friday		DAA		DBMS	----	DBMS Lab	DBMS Lab
Saturday		MICRO/CG	Eng. Eco	FLAT	----		

Database Management System (**DBMS**): Rupam Baruah, Design and Analysis of Algorithm (**DAA**): Diganta Baishya, Formal Language and Automata Theory (**FLAT**): Diganta Baishya, Microcontrollers and Applications (Program Elective-I) (**MICRO**): Biswajit Sarmah, Computer Graphics (**CG**) (Program Elective-I): Sauravjyoti Sarmah, **DBMS Lab**: Rupjyoti Baruah, Web Programming Lab (**WP Lab**): Rajib Chakrabartty, Web Programming Lab (**WP Lab Tutorial**): Rajib Chakrabartty, **DAA Lab**: Diganta Baishya

COMPUTER SCIENCE AND ENGINEERING SEVENTH SEMESTER

	8-9 a.m.	9:15-10:15 a.m.	10:30 – 11:30 a.m.	11:45 – 12:45 p.m.		2 -3 p.m.	3-4 p.m.
Monday			ML	CC	----	Project-I	Project-I
Tuesday	PoM		DS/ES		----	Project-I	Project-I
Wednesday			ML	CC	----	Project-I	Project-I
Thursday		DS/ES		PoM	----	Project-I	Project-I
Friday		ML		CC	----	Project-I	Project-I
Saturday			PoM	DS/ES	----		

Principles of Management (**PoM**): Humanities Department, Cloud Computing (**CC**) (Program Elective-4): Rajib Chakrabartty, Machine Learning (**ML**) (Open Elective-2): Riju Das, Distributed Systems (**DS**) (Open Elective-3): Rupjyoti Baruah, Embedded Systems (**ES**) (Open Elective-3): Rajib Chakrabartty

Serial No.	Name of the faculty member	Designation	Teaching Load (Hours/week)
1	Dr. Rupam Baruah	Professor	16
2	Mr. Diganta Baishya	Associate Professor	16
3	Mr. Biswajit Sarmah	Assistant Professor	17
4	Mr. Rajib Chakrabartty	Assistant Professor	20
5	Mr. Rupjyoti Baruah	Assistant Professor	20
6	Dr. Sauravjyoti Sarmah	Assistant Professor	20
7	Ms. Nilakhi Saikia (Contractual)	Assistant Professor	17

3. INSTRUMENTATION ENGINEERING

DAY	SEME STER	8.00-9.00	9.15-10.15	10.30-11.30	11.45-12.45	12:45 -2:00	2.00-3.00	3.10- 4.10
MON	3 RD	COI	ECA [N Baruah]1	AE [S Biswas] 1	TRANS [MPathak]1	L U N C H B R E A K	DE [ASaikia]1	-----
	5 TH	-----	OOP&DS [MCA]1	-----	MICRO [CRahman]1		DSP P J Haloi [1,2]	
	7 TH		P of Safety &Fire [NBaruah]1	ML[1] CSE	Telemetry&T elecontrol [NBaruah]1		PROJ & SEM/PE3	
TUES	3 RD	-----	ECA [N Baruah] 2	-----	TRANS [MPathak] 2		AE LAB A Saikia	
	5 TH	DSP P J Haloi [3]	-----	Elec Instru[1,2] ASaikia			Process Control [MPathak] 1	-----
	7 TH	Adv Sensors &Instru [SBiswas]1,2		Adv ProcessControl [ASaikia]1,2			PROJ & SEM/OE3	
WEDNE S	3 RD	AE [S Biswas]2	DE [ASaikia]2,3		COI		TRANS [MPathak]3	
	5 TH	Engg Eco /DSP	OOP&DS [MCA]2	MICRO [CRahman]2	Process Control [MPathak]2		OOPL LAB	
	7 TH	Management		P of Safety &Fire [NBaruah]2M L(CSE)2	Telemetry& Telecontrol [NBaruah]2		PROJ & SEM	
THURS	3 RD	-----	Maths-III	ECA [NBaruah]3	DE [ASaikia]4	INST LAB-1 [M Pathak]		
	5 TH	DSP [PJH] 4	Engg Eco	OOP&DS [MCA]3,4		Process Control [MPathak] 3,4		
	7 TH		Management	Adv Sensors &Instru [SBiswas] 3,4		PE3-APC[UNM]3,4		
FRI	3 RD	AE [SBiswas]3	-----	Maths-III	ECA [NBaruah]4	DE LAB A Saikia		
	5 TH	DSP[PJH] 5	Engg Eco	Elec Instru ASaikia 3	MICRO [CRahman]3	MICRO LAB C Rahman		
	7 TH	-----	Management	ML (CSE)3 P of Safety &Fire [NBaruah]3		PROJ & SEM		

SAT	3 RD	AE [SBiswas]4	Maths-III	ECA [NBaruah]5	TRANS [MPathak]4	Common subject 3 rd : Maths-III; COI 5 th : Engg Economics 7 th : Princ of Management
	5 TH	-----	-----	Eelec Instru [ASaikia]4	MICRO [CRarman]4	
	7 TH	Adv Process Control [A saikia]3,4		T&T [NBaruah]3, 4		

Serial no	Name	Designation	Teaching Load (Hours/week)
1	Dr Neelanjana Baruah	Professor	15
2	Mr. Arobindra Saikia	Assistant Professor	14
3	Mrs. Monisha Pathak	Assistant Professor	11
4	Dr Sonali Biswas	Assistant Professor	11
5	Ms. Chisrina Rahman[GF]	Assistant Professor	5

4. DEPARTMENT OF COMPUTER APPLICATION (MCA)

Serial No.	Name of the faculty member	Designation	Teaching Load (hours/week)
1	Dr. Siddhartha Baruah	Professor	16
2	Dr. Dhruvajyoti Baruah	Associate Professor	23
3	Mr. Rupak Kumar Gogoi	Assistant Professor	21
4	Mr. Abinash Borah (contractual)	Assistant Professor	18
5	Ms. Chandrani Borah (contractual)	Assistant Professor	20

5. CHEMISTRY DEPARTMENT

Sl. No	Name of the faculty member	Designation	Teaching Load (Hours/week)
1	Mr. Dwijen Kumar Saikia	Guest Lecturer	6
2	Dr. Pangkita Deka	Part-time Assistant Professor	8
3	Dr. Purna K. Boruah	Part-time Assistant Professor	8
4	Dr. Abhijit Boruah	Part-time Assistant Professor	8

6. PHYSICS DEPARTMENT

Sl. No	Name of the faculty member	Designation	Teaching Load (Hours/week)
1	Mr. Sabikur Rahman	Assistant Professor	14
2	Dr. Munmi Gohain	Part-time Assistant Professor	14
3	Dr. Hrishikesh Chakrabarty	Part-time Assistant Professor	14

7. Mechanical Engineering Department



DEPARTMENT OF MECHANICAL ENGINEERING
JORHAT ENGINEERING COLLEGE , JORHAT : 785007, ASSAM
www.jecassam.ac.in

hodmechanical@jecassam.ac.in

Ph : 8638990292

SUBJECT ALLOTMENT: EVEN SEMESTER, 2023

Semester	Subject	Faculty/Staff/Research Scholars	Class Load per week
B. Tech. 2nd Sem.	Engineering Mechanics(ME181104)	Sec. A: Dr. Parag Kamal Talukdar Sec. B: Mr. Prince Kumar Sec. E: Mr. Ranbir Kalita	4 4 4
	Engineering Mechanics Lab(ME181114)	Sec. A: Dr. Parag Kamal Talukdar Mr. Sanjeev Vishwakarma Sec. B: Mr. Prince Kumar Mr. Abhishek Kumar Sec. E: Mr. Ranbir Kalita Mr. Dhrupad Sarma	2 2 2 2 2 2
B. Tech. 4th Sem.	Applied Electronics (Theory & Practical) (ECE181407)	Ms. Christina Sabir Rahman	8
	Workshop Theory and Practice-I (Theory & Practical) (ME181402)	Mr. Dhrupad Sarma	12
	Fluid Mechanics-I (ME181403)	Dr. Deva Kanta Rabha	8
	Materials Science (Theory & Practical) (ME181404)	Mr. Palash Saikia	12
	Mechanics of Materials (ME181405)	Mr. Ajoy Krishna Dutta	8
	Fluid Mechanics-I Lab (ME181413)	Dr. Parag Kamal Talukdar Mr. Palash Saikia	2 2
	Mechanics of Materials Lab (ME181415)	Mr. Abhishek Kumar Mr. Ranbir Kalita	2 2
B. Tech. 6th Sem.	Machine Design-II (Theory & Practical) (ME181601)	Mr. Diganta Kalita	12
	Fluid Mechanics-II (ME181602)	Mr. Sanjeev Vishwakarma	8
	Mechanical Measurements and Instrumentation (ME181603)	Ms. Dimpi Bora	8
	Workshop Theory and Practice-II (Theory & Practical) (ME181604)	Mr. Abhishek Kumar	12
	Heat Transfer-II (ME181605)	Mr. Bijay Kumar Roy	8
	Fluid Mechanics-II Lab (ME181612)	Mr. Sanjeev Vishwakarma Dr. Parag Kamal Talukdar	2 2
	Mechanical Measurements and Instrumentation Lab (ME181613)	Mr. Dhrupad Sarma Mr. Ranbir Kalita	2 2
	Heat Transfer-II Lab (ME181615)	Mr. Bijay Kumar Roy Mr. Prince Kumar	2 2
B. Tech. 8th Sem.	Manufacturing Methods (ME181801)	Mr. Mafidur Rahman	8
	Program Elective-2		
	Air Conditioning (ME1818PE21)	Dr. Diganta Hatibaruah	4
	Compressors and Gas Turbines (ME1818PE21)	Dr. Parag Kamal Talukdar	4
	Computational Fluid Dynamics (ME1818PE25)	Mr. Prince Kumar	4
	Program Elective-3		
	Operations Management (ME1818PE32)	Mr. Ranbir Kalita	4
	Internal Combustion Engines (ME1818PE33)	Mr. Sanjeev Vishwakarma	4
	Open Elective-2		
Industrial Safety Engineering (ME1818OE22)	Dr. Rupanjali Nath	4	
Engineering Economic Analysis (ME1818OE23)	Mr. Palash Saikia	4	
Project-2 (ME181822) Co-Ordinator	Dr. Deva Kanta Rabha		
Grand Viva Voce-II (ME181823) Co-Ordinator	Mr. Ajoy Krishna Dutta		

8. Electrical Engineering Department

UG Time Table (7th Sem)

DAY	1st	2nd	TEA BREAK	3rd	4th	LUNCH BREAK	5th	6th		
	8:00- 9:00	9:00-10:00			10:30-11:30		11:30-12:30		02:00-03:00	03:00-04:00
MONDAY	PE-3	PE-3			Mngmt		PE-3		Project-I	Project-I
TUESDAY	PE-I	PE-3			Mngmt		OE-3		Project-I	Project-I
WEDNESDAY	PE-I	PE-4			PS-4		PS-4		Project-I	Project-I
THURSDAY	PE-I	PS-4			PS-4		OE-3		Project-I	Project-I
FRIDAY	PE-I	OE-3			OE-3		PE-3		Project-I	Project-I
SATURDAY	Mngmt	PS-4		PS-4	OE-3					

Subjects		Faculty Member Handling the Course
Mngmt	Management	Humanities Dept
PS-4 6 Classes	Power System-4	TB
PE-3 5 Classes	Program Elective-3: High Voltage Engineering	MB
PE-4 5 Classes	Program Elective-4: Renewable Energy Sources	MP
OE-3 5 Classes	Open Elective-3: (1) Electromagnetic Waves (2) Computer Vision	(1) JS (2) PH
OE-I	Open Elective-I: (1) Data Structures and Algorithms Basics (2) Digital Signal Processing	(1) ABK (2) PH

UG Time Table (5th Sem)

DAY	1st	2nd	TEA BREAK	3rd	4th	LUNCH BREAK	5th	6th		
	8:00- 9:00	9:00-10:00			10:30-11:30		11:30-12:30		02:00-03:00	03:00-04:00
MONDAY	PE-I	Micro			Engg Eco		PS-II		OE-I	OE-I
TUESDAY	OE-I	Micro			Engg Eco		PS-II		PE-I	PE-I
WEDNESDAY	OE-I	Micro			PE-I		PE		PS-II	PS-II
THURSDAY	OE-I	Micro			PE		PS-II		Micro Lab	Micro Lab
FRIDAY	OE-I	OE-I			PE-I		PE		PE Lab	PE Lab
SATURDAY	Engg Eco	PE-I		PE	PS-II					

Subjects		Faculty Member Handling the Course
PS-II	Power System-II	NKD
PE	Power Electronics	MP
Micro	Microprocessor	MB

PE-I	Program Elective-I: (3) Advance Control System (4) Electrical System Design and Drawing	(3) PB (4) NKD
OE-I	Open Elective-I: (3) Data Structures and Algorithms Basics (4) Digital Signal Processing	(3) ABK (4) PH
DE Lab	Digital Electronics Lab	JS and PB
AE Lab	Analog Electronics Lab	TB

UG Time Table (3rd Sem)

DAY	1st	2nd	BREAK (10:00-10:30)	3rd	4th	LUNCH BREAK (12:00-12:30)	5th	6th		
	8:00- 9:00	9:00-10:00			10:30-11:30		11:30-12:30		02:00-03:00	03:00-04:00
MONDAY	C.O.I	ECA			DE		AE		EMc-I	EMc-I
TUESDAY	EMc-I	DE			ECA		AE		DE lab	DE lab
WEDNESDAY	DE	EMc-I			AE		C.O.I		ECA	ECA
THURSDAY	AE	Maths-III A			EMc-I		ECA		AE	AE
FRIDAY	ECA	DE			Maths-III A		EMc-I		DE lab	DE lab
SATURDAY	AE	Maths-III A			EMc-I		ECA			

Subjects		Faculty Member Handling the Course
ECA	Electrical Circuit Analysis	PMS
AE	Analog Electronics	TB
EMc-I	Electrical Machines-I	PMS
DE	Digital Electronics	JS
DE Lab	Digital Electronics Lab	JS and PB
AE Lab	Analog Electronics Lab	TB

○ Teaching Load of each Faculty

▪ 2021-2022 (Odd Semester)

Name of Faculty	Qualifn.	Designation	Subjects Taken	Semester	UG/PG	No of class/week	Work load
Pooja Bora (PB)	M.E.	Assistant Professor (DTE Part Time)	Basic Electrical Engineering	1st	UG	3	17/Wk
			Basic Electrical Engineering Lab	1st	UG	4	
			Digital Electronics Lab	3rd	UG	2	
			Advance Control System	5th	UG	4	
			Design of Automatic Control System	1st	PG	4	

Jyotisikha Sarmah (JS)	M.E.	Assistant Professor (DTE Part Time)	Basic Electrical Engineering	1st	UG	3	17/Wk
			Basic Electrical Engineering Lab	1st	UG	4	
			Digital Electronics	3rd	UG	4	
			Digital Electronics Lab	3rd	UG	2	
			Electromagnetic Waves	7th	UG	4	

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▪ **2021-2022 (Odd Semester)**

Name of Faculty	Qualifn.	Designation	Subjects Taken	Semester	UG/PG	No of class/week	Work load
Moushumi Patowary (MP)	Ph.D.	Assistant Professor (DTE Part Time)	Basic Electrical Engineering	1st	UG	3	29/Wk
			Basic Electrical Engineering Lab	1st	UG	4	
			Power Electronics	5th	UG	4	
			Power Electronics Lab	5th	UG	4	
			Renewable Energy Sources	7th	UG	4	
			B.Tech Project Groups Supervising (2)	7th	UG	10	
			M.Tech Project Students Supervising (1)	3rd	PG	-	
Papu Moni Saikia (PMS)	M.E.	Assistant Professor	Electrical Circuit Analysis	3rd	UG	4	22/Wk
			Electrical Machines-I	3rd	UG	4	
			Electrical Machines-I Lab	3rd	UG	4	
			B.Tech Project Groups Supervising (3)	7th	UG	10	
			M.Tech Project Students Supervising (1)	3rd	PG	-	
Nipan Kumar Das (NKD)	M.E.	Assistant Professor	Power System-II	5th	UG	4	18/Wk
			Electrical System Design & Drawing	5th	UG	4	
			B.Tech Project Groups Supervising (1)	7th	UG	10	
			M.Tech Project Students Supervising (2)	3rd	PG	-	

▪ **2021-2022 (Odd Semester)**

Name of Faculty	Qualifn.	Designation	Subjects Taken	Semester	UG/PG	No of class/week	Work load
Tilok Boruah	M.E.	Assistant Professor	Analog Electronics	3rd	UG	4	26/Wk
			Analog Electronics Lab	3rd	UG	4	
			Power System-IV	7th	UG	4	
			Control System Components	1st	PG	4	
			B.Tech Project Groups Supervising (4)	7th	UG	10	
			M.Tech Project Students Supervising (2)	3rd	PG	-	
Pranabjyoti Haloi	M.E.	Assistant Professor	Digital Signal Processing	5th	UG	4	28/Wk
			Computer Vision	7th	UG	4	
			Digital Signal Processing	1st	PG	4	
			Signal Processing Lab	1st	PG	2	
			Digital Image Processing	1st	PG	4	
			B.Tech Project Groups Supervising (4)	7th	UG	10	
			M.Tech Project Students Supervising (1)	3rd	PG	-	
Mrinal Kumar Buragohain	Ph.D.	Professor	Microprocessor	5th	UG	4	26/Wk
			Microprocessor Lab	5th	UG	4	
			High Voltage Engineering	7th	UG	4	
			Linear Algebra & Random Processes	1st	PG	4	
			B.Tech Project Groups Supervising (2)	7th	UG	10	
			M.Tech Project Students Supervising (2)	3rd	PG	-	
			Ph.D. Students Supervising (3)	-	PG	-	
Aditya Bihar Kandali	Ph.D.	Professor & HOD	Data Structures and Algorithm Basics	5th	UG	4	14/Wk

			B.Tech Project Groups Supervising (1)	7th	UG	10	
			M.Tech Project Students Supervising (2)	3rd	PG	-	
			Ph.D. Students Supervising (5)	-	PG	-	

- **Internal Continuous Evaluation System and place :** in place
- **Student's assessment of Faculty, System in place :** in place

• **For each Post Graduate Courses give the following:**

1) TITLE OF THE COURSE: MTech in Instrumentation and Control Engineering

2) Curricula and Syllabi: Available in the ASTU web portal

3) Laboratory facilities exclusive to the Post Graduate Course:

1. DSP laboratory
2. Control Laboratory

4) Software, all design tools in case:

- a. Xylinx software, DSO

5) Academic Calendar and framework:

DAY	1st		2nd		3rd	4th		5th	6th		
	8:00-	BREAK (9:00-9:15)	09:00-	BREAK (10:0-10:30)	10:30-	11:30-	LUNCH BREAK (12:30-2:00)	02:00-03:00	03:00-04:00		
MONDAY	DIP		LARP		DACS						
TUESDAY	DSP		LARP		DACS	CSC		SIGNAL PROCESSING LAB			
WEDNESDAY	DIP		CSC						LARP		
THURSDAY	DSP				DACS						
FRIDAY	DSP		LARP		DACS	CSC		SIGNAL PROCESSING LAB			
SATURDAY	DIP							CSC			

LARP	Linear Algebra and Random Processes	Dr. Mrinal Buragohain
DIP	Digital Image Processing	Dr. Pranabjyoti Haloi
DSP	Digital Signal Processing	Dr. Pranabjyoti Haloi
CSC	Control System Components	Tilok Baruah
DACS	Design of Automatic Control Systems	PB

6) Publications (if any) out of research in last three years out of master's projects: 22 numbers

1. "P&O and Fuzzy based MPPT for PV System",. Dikshita Nath ,Tilok Boruah ,International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE 2020)
2. An Adaptive Controller design using Duelist Optimization Algorithm for an Interconnected Power system. Nipan Kr Das, Papumoni Saikia, Dr. M Buragohain, N. Saikia, 'International Journal of Engineering and Advanced Technology (IJEAT)', will be published in 2022.
3. Fuzzy Logic Control based Internal Model Control scheme and Model Order Reduction for load frequency control in power system by Nipan K. Das & Al Saheba Razina Akthara Choudhury Publish at International Journal of Industrial Electronics and Electrical Engineering, 2019 (Volume-7, Issue-9, Sep.-2019)
4. Implementation of Wireless sensor network and Fuzzy Logic in Smart Coal mine Monitoring System by Nipan K. Das Udesna Das-Journal Paper in IJREM on Aug'2020 (Vol-06, Issue-05, Aug 2020)
5. Coal mine monitoring smart Rover using LabVIEW and Wireless Sensor Network by Nipan Kr. Das & Udesna Das publish at Conference GCAIA-2020
6. International Journal of Industrial Electronics and Electrical Engineering, ISSN(p): 2347-6982, ISSN(e): 2349-204X Volume-7, Issue-9, Sep.-2019, <http://ijiee.org.in> Broadcast News Video Shot Detection and Segmentation 57 BROADCAST NEWS VIDEO SHOT DETECTION AND SEGMENTATION 1KUMKUM NARZARY, 2PRANABJYOTI HALOI
7. "Chaos Synchronization of an Identical Sprott System via Sliding Mode Controller", Mrinal Buragohain & Dibyani Milli, International Conference ICEEDC, 2019
8. "Chaos Synchronization of an Identical Sprott-I System via Sliding Mode Controller", Mrinal Buragohain & Dibyani Milli, International Journal of Research in Engineering Application and Management, 2019
9. "Tracking and Synchronization of a Hyperchaotic Hyperjerk System with No Equilibria in Back Stepping Control", M. Buragohain & Gopal Krishna Gogoi, International Journal of Research in Engineering Application and Management, 2019.
10. "Design of a Low Cost Web-Connected Weather Station in the JEC Campus" P. M. Saikia & Dipankar Haloi, International Conference on Electronics and Communication Engineering(ICECE) held in Kolkatta, June, 2019,
11. "Speaker Recognition in an Unsupervised Environment using MFCC", Rupsikha Bora & A. B. Kandali, International Conference on Electronics and Communication Engineering(ICECE), 2019.
12. "Solar Panel Cleaning Robot", Chiranjin Sharma & A. B. Kandali, International Journal for Research in Engineering Application and Management, 2019.
13. "Effect of Membrane on the Performance of Fuel Cell", Epsita Rajkhowa & Tilok Barua, International Conference on Mechanical Engineering and Electrical System (ICMEES), 2019.
14. "Performance Analysis and Simulation of Fuel Cell System", Epsita Rajkhowa & Tilok Barua, International Journal of Engineering and Technology, 2019.

15. "Performance Assessment of Multi Converter Unified Power Quality with Anti- Windup PID Controller", P. M. Saikia & Joydeep Gogoi, International Conference on Electronics and Communication Engineering(ICECE), 2019.
16. "Comparative Analysis of Optimal Controller Application on Nonlinear Systems", Niku Borgohain & M. Buragohain, International Conference on Modeling, Simulation and Optimization (COMSO), 2020.
17. "Optimal Controller Design for LFC in Power Systems", Himangshi Changmai & M. Buragohain, International Conference on Modeling, Simulation and Optimization (COMSO), 2020.
18. "Smart Agriculture Monitoring and Decision Support System", Shenaz Akhtar Hussain & P. M. Saikia, Global Conference on Artificial Intelligence and Applications, 2020.
19. "High Frequency Resonant Inverter with Shunt Active Power Filter for Harmonic Compensation", Rohan Sinha & Rahul Raman, Springer International Conference on Electronics Systems and Intelligent Computing(ESIC), 2020.
20. "Designing a Series Active Filter for Mitigating Harmonics of a High Frequency Resonant Inverter ", Rohan Sinha & Rahul Raman , Electric Power and Renewable Energy Conference(EPREC, 2020).
21. "Design of an Adaptive Controller to Integrate Renewable Energy with Grid", Twinkle Deka & Tilok Barua, International Research Journal of Engineering and Technology, 2020.
22. "A Modified ERA Algorithm for Mode Estimation in Power System", Angelica Wartina & Shekha Rai, TFRE, 2020.

7) Mention the cut-off Levels of percentage and percentile score of the candidates in the admission

test for the last three years: In the year 2021-22, the cut off marks in the entrance examination was 1

CIVIL ENGINEERING DEPARTMENT

1) TITLE OF THE COURSE: Design of Civil Engineering Structures

2) Curricula and Syllabi: Available in the ASTU web portal

3) Laboratory facilities exclusive to the Post Graduate Course:

- a. Geotechnical Engineering b. Concrete laboratory c. Vibration laboratory

4) Software, all design tools in case:

Serial No.	Software	User
01	ETABS 2015	10 users
02	SAP2000 V-18	10 users
03	PLAXIS 2D 2016	5 users
04	MIKE 21C HD/ST	1 user
05	ANSYS 14.5	5 users
06	ABAQUS 2020	1 user
07	CSI Bridge 21	10 users

5) Academic Calendar and framework:

REVISED

JEC Civil Engineering Modified Class Schedule (Odd Semester, 2022) From 12.09.2022 onwards (3rd, 5th & 7th Sem); M.Tech (from 15th Sept)

DAY	SEMESTER	8 AM - 9 AM	9 AM - 10 AM	10.30 AM - 11.30AM	11.30 - 12.30 pm	2.00 PM - 3.00 PM	3.00 PM - 4.00PM
Monday	1 ST	EG & D (Sec. D) B.H & CPS					
	3 RD	Math -III A	Solid Mechanics (S.Kalita)	Engg. Graphics & Design (Sec. C) M.A & A.H			
	5 TH	Env. Engg. I (SK)	Irrigation Engg. (MA)	Geo-Tech Engg. -I (A. Bhatta)	Structural Analysis I (B.H)	Engg. Survey I (A. Deka)	Bldg. Const. & Planning (GH)
	7 TH	Env. Impact Analysis (MKD)	Ground Imp. Technique (RG)	River Engg. (PKK)/ Earthquake Engg. (GH)	Transportation Engg. I (A. Das)	C.E. LAB (Geo-Tech, Transportation & Enviro.) PB/MA/SK	Project
	M.Tech 1 st		St. Dynamics (B.H)	Earthquake Engg. (GH)	Quantity Survey (CPS)		
Tuesday	1 ST	EG & D (Sec. C) CPS & BH					
	3 RD	Math -III A	Solid Mechanics (S.Kalita)	Engg. Graphics & Design (Sec. D) A. Das & P.B			
	5 TH	Env. Engg. I (S.Kalita)	OCF (PKK)	Geo-Tech Engg. -I (A. Bhatta)	Fluid Mechanics (CPS)	Bldg. Const. & Planning (GH)	Fluid Mechanics (CPS)
	7 TH	Env. Impact Analysis (MKD)	Ground Imp. Technique (RG)	Quantity Survey (CPS)	Structural Design- I (N.M.C)	C.E. LAB (Geo-Tech, Transportation & Enviro.) PB/MA/SK	Project
	M.Tech 1 st		Structural Dynamics (B.H)	Reinforced Soil Structure (A. Deka)	Design of S.S. (R.G)		
Wednesday	1 ST						
	3 RD	Math -III A	Fluid Mechanics (CPS)	Engg. Graphics & Design (Sec. C) M.A & A.H			
	5 TH	Transportation Engg. I (A. Das)	Structural Design- I (N.M.C)	Structural Analysis I (B.H)	Engg. Survey -I (A. Deka)	Bldg. Const. & Planning (GH)	
	7 TH	Quantity Survey (CPS)	Ground Imp. Technique (RG)	OCF (PKK)	Geo-Tech Engg. -I (A. Bhatta)	C.E. LAB (Geo-Tech, Transportation & Enviro.) PB/MA/SK	Project
	M.Tech 1 st	Reinforced Soil Structure (A. Deka)	Numerical Methods (A.S)	River Engg. (PB)/ Earthquake Engg. (GH)	Env. Impact Analysis (MKD)	Project	Project
Thursday	1 ST						
	3 RD	Math -III A	Fluid Mechanics (CPS)	Engg. Graphics & Design (Sec. D) A.D & P.B			
	5 TH	Engg. Economics	Irrigation Engg. (MA)	Structural Analysis I (B.H)	Solid Mechanics (S.Kalita)	Bldg. Const. & Planning (GH)	Engg. Survey -I (A. Deka)
	7 TH	Principles of Management	Numerical Methods (A.S)	Structural Design- I (N.M.C)	Geo-Tech Engg. -I (A. Bhatta)	C.E. LAB (Geo-Tech, Transportation & Enviro.) PB/MA/SK	Project
	M.Tech 1 st	Reinforced Soil Structure (A. Deka)	St. Dynamics (BH)	River Engg. (PKK)/ Earthquake Engg. (GH)	Env. Impact Analysis (MKD)	Design of S.S. (R.G)	Experimental Methods in C.E. (Lab) C.P.S & B.H)

JEC Civil Engineering Modified Class Schedule (Odd Semester, 2022) From 12.09.2022 onwards (3rd, 5th & 7th Sem); M.Tech (from 15th Sept)

DAY	SEMESTER	8 AM - 9 AM	9 AM - 10 AM	10.30 AM - 11.30AM	11.30 - 12.30 pm	2.00 PM - 3.00 PM	3.00 PM - 4.00 PM
Friday	1 ST						
	3 RD	C.E. Drawing & CAD LAB (MA & PB)					
	5 TH	Engg. Economics	OCF/Irrigation (PKK/M.A)	Engg. Survey -I (A. Deka)	Solid Mechanics (SK)	Structural Analysis I (B.H)	Solid Mechanics (SK)
	7 TH	Principles of Management	Quantity Survey (CPS)	Geo-Tech Engg. -I (A. Bhatta)	Struct. Design- I (N.M.C)	Env. Engg. I (S.Kalita)	Transportation Engg. I (A. Das)
	M.Tech 1 st	Numerical Methods (A.S)	St. Dynamics (B.H)	River Engg. (PKK)/ Earthquake Engg. (GH)	Ground Imp. Technique (RG)	Project	Project
Saturday	1 ST						
	3 RD	Civil Engg. Drawing & CAD LAB (MA & PB)		Structural Analysis I (B.H)	Fluid Mechanics (CPS)		
	5 TH	Engg. Economics	Env. Engg. I (S.Kalita)	Transpo. Engg. I (A. Das)	Structural Design I (N.M.C)		
	7 TH	Principles of Management	Quantity Surveying (CPS)	River Engg. PB/PKK Earthquake Engg. (GH)	Ground Imp. Technique (RG)		
	M.Tech 1 st	Reinforced Soil Structure (A. Deka)		Earthquake Engg. (GH)	Research Methodology (AB)		

6) Publications (if any) out of research in last three years out of master's projects: 31

- Karismita Pathak, Atanu Kumar Dutta (2021), Role of Openings in Seismic Resistance of Infill Walls: A Critical Review of Indian Codal Provision, *Lecture Notes in Civil Engineering, Vol. 175, Sreevalsa Kolathayar and Siau Chen Chian (Eds): Recent Advances in Earthquake Engineering*, 978-981-16-4616-4, 515427_1_En, (Chapter 35), Springer
- Sutanuka Nath, Atanu Kumar Dutta (2021), Influence of soil-structure in elevated water tank, *Geohazards* pp 399-410, *Proceedings of IGC, 2018, Springer Online, 2020, Ed: Madhavi Latha Gali P. Raghuvveer Rao* https://link.springer.com/chapter/10.1007/978-981-15-6233-4_28
- Sutanuka N., Dutta, A., *Seismic Analysis of Elevated Water Tank using Spring-Mass Model Influence of soil-structure in elevated water tank*, Book of NCRAS (2018) in: Kakati, B., Bora, D. (eds) *Advances in Science and Technology*, Vol 1 p (67-71)
- Md. Halim, Atanu Kumar Dutta (2019), *Pushover Analysis of R.C.C. Buildings Including 3-D Soil-Structure Interaction*. In: Patel S., Solanki C.H., Reddy K. R., Shukla S. K. (eds) *Proceedings of Indian Geotechnical Conference 2019, IGC Vol-IV*, Springer. <https://www.springer.com/us/book/9789813365636>

5. Banerjee A, Dutta A. K., (2020), *Numerical Model and Dynamic Characteristics Analysis of Cable-Stayed Bridge*. In: Dutta, A., Inan E., Dwivedy S. K. (eds) *Advances in Structural Vibration- Select Proceedings of ICOVP 2017*, Lecture Notes in Mechanical Engineering, Springer <https://doi.org/10.1007/978-981-15-5862-7>
6. Dutta A.K., Deka D., Hatibaruah A., Goswami D., Rai S.S., Basumatary T. (2018) *Environmental Sustainability: Stabilized Mud Block*. In: Sarma A., Singh V., Bhattacharjya R., Kartha S. (eds) *Urban Ecology, Water Quality and Climate Change*. Water Science and Technology Library, vol 84. Springer, Cham. https://doi.org/10.1007/978-3-319-74494-0_5
6. Dutta, A. and Dutta, M.K (2018) A Study On Excavation Method And Support System Of tunnel Using Phase² Program” ” International Conference On Infrastructure Development, 21-22 December 2018, Jorhat Engineering College Jorhat, Assam, India
7. Englengpi, M and Dutta, M.K. (2021) “Study on Surface Soil Erosion of Bhogdoi River Basin Using GIS and Remote Sensing” in S. Patel et al. (eds.), *Proceedings of the Indian Geotechnical Conference 2019, Lecture Notes in Civil Engineering 134*, pp-715-726, Springer Nature Singapore Pte Ltd. 2021
8. Saikia, S. S. and Bhattacharjee, A. (2020). Effect of Offset Distance on Tiered Reinforced Soil Retaining Wall Subjected to Dynamic Excitation, *Innovative Infrastructure Solution Using Geosynthetics, Tatsuoka et al. Eds. Sustainable Civil Infrastructure, Springer*, pp 95-107, doi.org/10.1007/97-3-030-34242-5_9
9. Bhattacharjee, A., Ajom, B.E. and Baruah, P.P. (2021). Stress-Strain Behaviour of Liquefied and Non-liquefied Soil, *T.G.Sitharam et al. (eds.), Soil Dynamics, Lecture Notes in Civil Engineering*, pp.121- , doi.org/10.1007/978-981-33-0041-5_12
10. Kumari, S., Yadav, P.K., Bhattacharjee, A. (2021). Parametric Studies on Dynamic Properties of Backfill Material and Numerical Modelling of Reinforced Earth Wall for Outward Flow Condition, *T.G.Sitharam et al. (eds.), Soil Dynamics, Lecture Notes in Civil Engineering*, pp.353- , doi.org/10.1007/978-981-33-0041-5_31.
11. Saikia, S.S. and Bhattacharjee, A. (2021). Numerical Modelling of Three-Tiered Reinforced Soil Wall with Different Offset Distances Subjected to Dynamic Excitation, *T.G.Sitharam et al. (eds.), Local Site Effects and Ground Failures, Lecture Notes in Civil Engineering*, pp.345- , doi.org/10.1007/978-981-15-9984-2_30.
12. Borthakur, B. and Bhattacharjee, A. (2021). Comparison of response of pushover analysis and dynamic analysis of pile foundation. *T.G.Sitharam et al. (eds.), Earthquakes and Structures, Lecture Notes in Civil Engineering 188*, doi.org/10.1007/978-981-16-5673-6_30.
13. Saikia S.S., Bhattacharjee A. (2021) Numerical Model Study of Two-Tiered Reinforced Soil Retaining Wall Subjected to Dynamic Excitation. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds) *Proceedings of the Indian Geotechnical Conference 2019*. Lecture Notes in Civil Engineering, vol 138. Springer, Singapore. https://doi.org/10.1007/978-981-33-6564-3_76
14. Kumari S., Bhattacharjee A. (2021) Numerical Simulation of Tiered Reinforced Soil Retaining Wall Subjected to Dynamic Excitations. In: *Latha Gali M., Raghuvveer Rao P. (eds) Geohazards. Lecture Notes in Civil Engineering*, vol 86. Springer, Singapore. https://doi.org/10.1007/978-981-15-6233-4_53
15. Dutta .S and Chetia. N. (2021). Study of Traditional Tribal Houses of Assam, Proc. of 4th International Conference on Smart Villages and Rural Development (COSVARD 2021).
16. Das. B and Chetia. N (2020). Experimental Study on Load Settlement Behaviour of Cohesionless soil using Bamboo mats. *Proc. Indian Geotechnical Conference 2020, Vishakapattanam, India*, 14-16th Dec. 2020.

17. Das. B and Chetia. N (2020). Bamboo as a Resource in making Villages Smart, Proc. of 3rd International Conference on Smart Villages and Rural Development (COSVARD 2020)
18. Kumar. H and Chetia. N (2019), Experimental Study on Load Settlement Behaviour of Circular Plate supported on small Diameter timber piles under vertical loading, *Proc. Indian Geotechnical Conference 2019, Surat, India.*
19. Dutta. M and Chetia. N (2019). Utilization of waste plastic in concrete, 2nd International Conference on Smart Villages and Rural Development (COSVARD 2019)
20. Hazarika M. and Khaund P.K (2018).Dynamic Analysis of Gravity Dam Under The Effect of Dam Reservoir Foundation Interaction *Proc. Indian Geotechnical Conference 2018, IIT Madras, Chennai, India, 14-16 Dec. 2018*
Baruah P. and Khaund P.K.(2018). Stability Analysis of Earthen Dam with Improvised Soil. *Proc. International Conference on Civil Engineering Sustainable development-Opportunities and Challenges ,CESDOC2018, AEC,Guwahati, India, 18-19 Dec.2018*
21. Baruah P. and Khaund P.K.(2018). Bio-medicated Soil Improvement. *Proc. International Conference on Civil Engineering Sustainable development-Opportunities and Challenges ,CESDOC2018, AEC,Guwahati, India, 18-19 Dec.2018*
22. Baruah P. and Khaund P.K.(2018). A Study of Stability of Earthen Dam with Bentonite Mixed Silty Soil. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
23. Talukdar S. And Khaund P.K.(2018). The Effect of Variation of Seismic- Coefficients And Location of Drainage Gallery on The Base-Width of A Concrete Gravity Dam. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
24. Baruah S.J, Goswami R., Khaund P.K. (2018). A Study on The effect of Permeable Spur in Flow Diversion From Near Bank Within The Straight Reach of An Experimental Channel. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
25. Hazarika M. and Khaund P.K (2018). Effect of Base Width of Concrete Gravity Dam and Tail water Presence on Dynamic Response of Concrete Gravity Dam Including Soil-Fluid-Structure Interaction. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
26. Khaund P.K., Sarma R., Das N., Goswami A., Bhattacharjee P., Dutta C.J., Lahkar A.(2018). Improvement of Cohesive Soil Using Coir Fibre. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
27. Khaund P.K., Bhuyan A., Pegu B.J., Choudhury D., Konyak J.C., Kalita R., Kakoti S.(2018).Improvement of Cohesionless Soil Using Bentonite for Earthen Dam Or Embankments. *Proc. International Conference on Infrastructure development,ICID2018, JEC,Jorhat, India, 21-22 Dec.2018*
28. K. Buragohain & P.K. Khaund(2019) Study on Stability Analysis of South Bank of River Brahmaputra And Its Tributaries in the reaches of Upper Assam. *Proc.Indian Geotechnical Conference (IGC) 2019 GeoINDUS 19-21 December 2019,IGC Surat chapter & SVNIT, Surat, India*
29. Snigdha K., Khaund P.K.(2020) Riverbank Slope Stability Analysis. *Proc. TH-06-49, Proceeding of Indian Geotechnical Conference 2020 (DIGEST) organized by Indian Geotechnical Society and Department of civil engineering Andhra University College of Engineering, Vishakhapatnam Chapter on 17-19 ,2020*
30. Snigdha K., Khaund P.K.(2020) Safety Analysis Of Alluvial Riverbanks. *Proceeding of 25th International Conference on Hydraulics, Water Resource an Coastal Engineering (HYDRO 2020) organized by NIT Rourkela and Indian Society for Hydraulics (ISH), Pune, held on 27th of March, 2021*

31. K. Buragohain & P.K. Khaund(2021) Study on Stability Analysis of South Bank of River Brahmaputra And Its Tributaries in the reaches of Upper Assam. *Springer Nature Singapore Pvt. Ltd.2021, Lecturer notes in Civil Engineering 133*, https://doi.org/10.1007/978-981-33-6346-5_58

7) Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years:

Programme	Course	Year	TOTAL MARKS	General	OBC/MOBC	SC	ST
PG	Civil Engineering	2020-21	100	30	25	20	10

16. Enrolment of students in the last 3 years

Year	Enrolled Students
2021-22	343
2020-21	335
2019-20	338

17. List of Research Projects/ Consultancy Works

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

RESEARCH PROJECT	Funding Agency	Approved budget (Rs.)
Web technology development for heritage tai ahom manuscripts. Duration: 2 years.	Department of Science and Technology (DST), Govt. of India under the scheme of Science and Heritage Research Initiative (SHRI).	1762000
Design, development and testing of a batch type green tea leaves steamer and dryer Duration: 3 years.	RPS (NER), AICTE	2300000
Development of Novel e-skin for Natural Sensation in Prosthetic Hand	Collaborative Research Scheme CRS Project from MHRD - TEQIP-III	1638000
Earlier detection of cardiac irregularity based on human blood pressure model		1651000
Aerodynamic Performance Evaluation of Savonius Vertical-axis Rotor for Small-scale Power Generation		448000
Study of Thermal Energy Storage System		1200000
Development of sustainable materials for concrete repairing and strengthening.		755000
Synthesis of inexpensive conducting polymer supported nanostructured materials for remediation of to		1592000
Efficient and low cost in situ encapsulated FeOOH/Bimetallic nanoparticles in MOFs and Applications.		988000

Mathematical Investigation of Tropical cyclones structure and analysis their stability		1465000	
Treatment of class imbalance problem at data level		398000	
Design of a robust KNN-based TLS-ESPRIT estimator for identification of low frequency modes in power		315000	
Fabrication and characterization of bamboo fiber-polymer matrix composite material	Collaborative Research Scheme CRS Project from MHRD - TEQIP-III (Under ASTU)	270000	
Development and testing of a passive dryer with Biomass Burner		280500	
Forecasting of energy for sustainable development of Assam using optimization techniques and forecasting techniques		300000	
Enhancement of Electric Vehicle Stability and minimize its Energy Requirement		220000	
Robust Control of Uncertain Robotic Manipulator		225000	
Design of a soft computing based optimal and adaptive controller		255000	
Early detection and prevention of Breast cancer using Machine Learning and Big data analytics		200000	
IoT-based smart farming		300000	
Content Analysis of a natural language		300000	
A Predictive Solution for Prognosis, Diagnosis and Simulation of Disease Pattern using Big Data and Deep Learning		300000	
Use of bamboo as soil reinforcement		300000	

PROJECT	Funding Agency	Approved budget (Rs.)
Supply, erection, testing and commissioning of off grid Roof-top Solar Power Plants (With battery bank) including Warranty & maintenance for 5 years at “Jorhat Engineering College, Garmur, Jorhat-785007, Assam” Sanctioned letter No. JEC/AQIS/NE-REGION 2016-17/SOLAR dt 18/3/2020	AICTE special SCHEME for NER	1999975
Improvement of water quality of the existing ESS at the JEC premise, Garmur, Jorhat-785007 (Assam). Sanctioned letter No. JEC/AQIS/NE-REGION 2016-17/SOLAR dt 18/3/2020	AICTE special SCHEME for NER	1200000

1. Consultancy services to World Bank Assisted RWSS – LIS Projects in Composite Water Supply Scheme for sustainability & Quality in Jorhat, Jorhat Central and Jorhat North West Development Block of Jorhat District Assam.

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

- **Industry Linkage:**

1. Through Placement activities
2. Through Internships for students
3. Through Industry visits
4. Through Academic guidance through expert talk/project guidance etc.
5. Through CSR funded projects

- **MoUs with Industries (minimum 3)**

1. Numaligarh Refinery Limited (NRL)
2. Automovil Technology,
3. Dithok Technology LLP

Sl.No	Institute 1	Institute 2	Date of Sign
1	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Numaligarh Refinery Limited (NRL) Dist Golaghat, Numaligarh, Assam 785699	04-11-2022
2	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Human 7-5-25 Nishi-shinjuku, Shinjuku-ku, Tokyo JAPAN	04-03-2019
3	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Indian Institute of technology Guwahati (IITG) Guwahti- 781039	24-04-2018
4	Jorhat Engineering College Garmur, Jorhat, Assam 785007	CSIR- North East Institute of Science & Technology (Council of Scientific & Industrial Research) Jorhat, Assam- 785006	04-06-2018
5	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Power Grid Corporation of India Ltd B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi- 110016	13-08-2018
6	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Construction Industry Development Council (CIDC), New Delhi	26-09-2018
7	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Malnad College of Engineering Hassan-573202	18-09-2017
8	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Indian Institute of Technology (IIT) Delhi Hauz Khas, New Delhi – 110016	15-12-2017
10	Jorhat Engineering College Garmur, Jorhat, Assam 785007	Dibrugarh University Dibrugarh, Assam	15-07-2015

18. LoA and subsequent EoA till the current Academic Year

Link for EoA <https://jecassam.ac.in/aicte-approval-letter/>

All India Council for Technical Education
(A Statutory body under Ministry of Education, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



APPROVAL PROCESS 2022-23

Extension of Approval (EoA)

F.No. Eastern/1-10967899461/2022/EOA

Date: 07-Jul-2022

To,
The Add. Chief Secretary
(Higher & Tech. Education) Govt. of Assam,
Block-C, IIIrd Floor Assam Secretariat Dispur
Guwahati 781006, Assam

Sub: Extension of Approval for the Academic Year 2022-23

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-496406701	Application Id	1-10967899461
Name of the Institution	JORHAT ENGINEERING COLLEGE	Name of the Society/Trust	JORHAT ENGINEERING COLLEGE
Institution Address	GARMUR JOORHAT, JORHAT, JORHAT, Assam, 785007	Society/Trust Address	JORHAT ENGINEERING COLLEGE, JORHAT-7 ASSAM, JORHAT, JORHAT, Assam, 785007
Institution Type	Government	Region	Eastern
Year of Establishment	1958		

To conduct following Courses with the Intake indicated below for the Academic Year 2022-23

Level	Program	Course	Affiliating Body (University /Body)	Intake Approved for 2021-22	Intake Approved for 2022-23	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	CIVIL ENGINEERING	Assam Science and Technology University	75	75	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	COMPUTER SCIENCE & ENGINEERING	Assam Science and Technology University	60	60	NA	NA
UNDER GRADUATE	ENGINEERING AND TECHNOLOGY	ELECTRICAL ENGINEERING	Assam Science and Technology University	60	60	NA	NA

Application No: 1-10967899461

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCEINCE & ENGINEERING	Assam Science and Technology University	60	60	NA	NA
MCA	POST GRADUATE	MASTER OF COMPUTER APPLICATIONS	Assam Science and Technology University	30	30	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	INSTRUMENTATION & CONTROL ENGINEERING	Assam Science and Technology University	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	POST GRADUATE	CIVIL ENGINEERING	Assam Science and Technology University	18	18	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Assam Science and Technology University	75	75	NA	NA

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook.
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

Application No:1-9317969361

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Page 2 of 3

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Letter Printed On:14 July 2021

BLOCK 2F: FINANCIAL INFORMATION
Information related to financial year 2021-22, i.e. upto 31st March 2022.

INCOME		EXPENDITURE	
SI NO	ITEMS	AMOUNT	ITEMS
1	Grants Received from		1 Salary, Allowances & Retirement Benefits
	(i) University Grants Commission		2 Buildings (Construction and Maintenance)
	(ii) Distance Education Council		3 Library & Laboratory
	(iii) Other Central Government Departments	Nil	4 Research Activities
2	Grants Received from State Government	20,71,57,511.00	5 Scholarships
3	Grants Received from University	Nil	6 Other Expenses
4	Grants Received from Local Bodies		7 TOTAL
5	Donation		
6	Tuition Fees	18,03,400.00	
7	Other Fees		
8	Interest	24,23,570.00	
9	Sale of application form		
10	Other income		
11	TOTAL	21,13,84,481.00	
			18,93,33,596.00

Declaration: The information provided by us is true to the best of our knowledge.

Name and Signature of the staff

(Palashi Gogoi)

(Signature)
Principal,
Jorhat Engineering College
Jorhat-7

BLOCK 2F: FINANCIAL INFORMATION
Information related to financial year 2022-23, i.e. upto 31st March 2023.

INCOME			EXPENDITURE		
SI NO	ITEMS	AMOUNT	SI NO	ITEMS	AMOUNT
1	Grants Received from		1	Salary, Allowances & Retirement Benefits	19,69,04,843.00
	(i) University Grants Commission		2	Buildings (Construction and Maintenance)	58,78,966.00
	(ii) Distance Education Council		3	Library & Laboratory	
	(iii) Other Central Government Departments		4	Research Activities	
2	Grants Received from State Government	21,60,42,000.00	5	Scholarships	
3	Grants Received from University		6	Other Expenses	
4	Grants Received from Local Bodies	65,18,851.13	7	TOTAL	20,27,83,809.00
5	Donation				
6	Tuition Fees	30,60,500.00			
7	Other Fees				
8	Interest				
9	Sale of application form				
10	Other income				
11	TOTAL	22,56,21,351.13			

Declaration: The information provided by us is true to the best of our knowledge.

Name and Signature of the staff

P. Palashi Gogoi
 (Palashi Gogoi)

P. Palashi Gogoi
 Principal,
 Jorhat Engineering College
 Jorhat-7

20. Best Practices adopted, if any

1. Classrooms with LCD projectors, internet facility and class room video recording
2. Gold medal with certificate to branch topper of each department is awarded by the JEC Alumni Association.

Note: Suppression and/or misrepresentation of information shall invite appropriate penal action.

The Website shall be dynamically updated with regard to Mandatory Disclosures