

MANDATORY DISCLOSURES
DIPLOMA IN ENGINEERING PROGRAMME



SILCHAR POLYTECHNIC
P.O.- MEHERPUR, CACHAR, ASSAM - 788015
Telephone: 03842-240273 / 240695
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AICTE File No. : F.No. Eastern/1-7011845694/2020/EOA

Date and Period of approval: 09-June-2020, Period: 2020-21

1. Name of the Institution: SILCHAR POLYTECHNIC

, Address: P.O.- MEHERPUR, ACHAR, ASSAM- 788015

Telephone: 03842-240273 /240695

Website: www.silcharpolytechnic.in

E-mail: principalsilcharpolytech@gmail.com

2. Name and address of the Trust/ Society/ Company and the Trustees: An Assam Government Institution under the Department of Higher Education (Technical), Govt. of Assam and controlled by Director of Technical Education, Assam, Kahilipara, Ghy-19. Email: dte.assam@gov.in

3. Name and Address of the Principal: Dr. Sanjib Singha
Mobile No.: 9435071730
Email id: principalsilcharpolytech@gmail.com

4. Name of the Affiliating Body: State Council for Technical Education (SCTE), Assam under the Directorate of Technical Education, Assam.

5. Governance:

- **Members of the Board and their brief background:** Government Institution

- **Members of Academic Council:** An Academic Council of this Institute is hereby constituted with the following members to look after the academic affairs of the Institute:
 - a) Dr. Sanjib Singha – Principal i/c & Lecturer (SG), Civil Engineering Deptt – Chairman
 - b) Mr. Sagarmoy Das – HOD, Civil Engineering Department – Member Secretary
 - c) Mr. Hanif Uddin Mondal – HOD i/c, Mechanical Engineering Department – Member
 - d) Mr. Nava Kumar Saha – Lecturer (SS) & In-charge HOD, Electrical Engg. Department – Member
 - e) Mr. Abdus Samad – Lecturer (SS) & In-charge HOD, ETC Engineering Deptt. & Asstt Exam Supdt. – Member
 - f) Mrs. Nibedita Gupta - Lecturer (SG), Civil Engineering Deptt. - Member
 - g) Mr. Nilendu Bhattacharjee - Lecturer (SS), Civil Engineering Deptt. - Member
 - h) Mr. Siyaram Chouhan - Lecturer (SS), Civil Engineering Deptt. & Exam Supdt. – Member
 - i) Mr. Kaushik Deb- Lecturer (SG), Mechanical Engineering Deptt & TPO
 - j) Mr. S Aktarul Alom Laskar – Lecturer(SS), Mechanical Engg Deptt & Incharge Workshop Supdt. – Member
 - k) Mr. Kanak Chandra Sarma – Prof. i/c – English – Member
 - l) Mr. Shyamamoy Deb Roy – Lecturer (SS), ETC Deptt. – Member
 - m) Mr. Sudip Sen – Lecturer(SG), Mathematics – Member
 - n) Mrs. Sutapa Bhattacharjee – Lecturer(SG), Mathematics – Member
 - o) Dr. Soumitra Nath – Lecturer(SG), Mathematics – Member
 - p) Mrs. Kamala PaulKar – Lecturer(SG), Chemistry– Member
 - q) Dr. Pankaj Goswami – Lecturer (SG), Chemistry., Member
 - r) Mr. Debabrata Talukder – Lecturer , Chemistry – Member
 - s) Mr. Santanu Roy – Lecturer(SG), Humanities Deptt- Member
 - t) Mr. Bhaskarjyoti Das – Lecturer(SG), Humanities Deptt. – Member
 - u) Dr. Biswanath Mazumder- Lecturer (SS), Physics – Member
 - v) Mr. Syed Nasir Ahmed – Lecturer, Physics – Member

- **Frequently of the Board Meeting and Academic Council** : Twice in a year
- **Organizational chart and processes:** The Institution is a fully Government Institution under the Higher Education (Technical) Department, Govt. of Assam and directly controlled by Director of Technical Education, Assam.
- **Nature and Extent of involvement of Faculty and students in academic affairs/improvements:** The Institute is committed to developing excellence in education & training. Attempts are being made to promote and foster excellence in developing in knowledge, skills and attitudes in all students and committed to values in faculty and staff.

The faculty focuses on developing and strengthening thinking problem solving analysis, design, team work, communication skills and preparing students for lifelong learning. The faculty uses innovative techniques, interactive lectures, regular lab assignments, project work etc.

- **Mechanism/ Norms and Procedure for democratic/ good Governance:** The Institute has developed following methods:
 - a) Time to time departmental meetings amongst HODs and faculty.
 - b) Meeting of Principal and HODs are held frequently to solve different issues.
 - c) Academic Council meeting of the Institute presided over by Principal are held twice in a year to discuss issues of academics, administration, feedbacks and suggestions besides reviewing the progress over all points.
 - d) Nominations of student counselors. Each faculty has been assigned specific number of students for mutual interaction. The role of faculty as student mentor is listed below:
 - e) Act as a local guardian of the students.
 - f) Continuously monitor their academic performance including their attendance, marks in examination etc.
 - g) Discuss all issues with students whether personal or official.
 - h) Direct access of faculty and students to the Principal, HOD etc. No timings have been laid down thus all problems are attended according to their urgency.

- **Student Feedback on Institutional Governance/ Faculty performance:** Feedback is collected from each student for every semester in faculty feedback form. Data collected are analyzed and necessary corrective action is taken.
- **Grievance Redressal mechanism for Faculty, staff and students:** There is a online Grievance Redressal Mechanism linked to the institution website for access to faculty, staff and students.
- **Establishment of Anti Ragging Committee:** Anti Ragging Committee formed and the same is uploaded in the website.
- **Establishment of Online Grievance Redressal Mechanism:** The authorized admin, in consultation with the grievance redressal committee, redresses the grievances received in the online grievance redressal mechanism linked to the website.
- **Establishment of Grievance Redressal Committee in the Institution Appointment of OMBUDSMAN by the University:** Grievance redressal committee is established and the same is uploaded in the website.
- **Establishment of Internal Complaint Committee (ICC):** The internal complaint committee is formed and uploaded in the website.
- **Establishment of Committee for SC/ ST:** The committee is formed and the same is uploaded in the website.
- **Internal Quality Assurance Cell:** An Internal Quality assurance Cell is hereby formed with faculty/ staff member and external quality management or industry local community & uploaded in the website.

6. Programmes

- Name of Programmes approved by AICTE:

SL. NO.	NAME OF THE DEPARTMENT	NAME OF THE PROGRAM	INTAKE CAPACITY	AFFILIATING BODY	FT/PT
1.	Civil Engineering	Diploma in Civil Engineering	90	Directorate of Technical Education, Assam	FT
2.	Electrical Engineering	Diploma in Electrical Engineering	40	Directorate of Technical Education, Assam	FT
3.	Mechanical Engineering	Diploma in Mechanical Engineering	50	Directorate of Technical Education, Assam	FT
4	Electronics & Telecommunication Engineering	Diploma in Electronics & Telecommunication Engineering	40	Directorate of Technical Education, Assam	FT

- **Name of Programmes accredited by AICTE:** All seven programmes of this Institute are approved by AICTE.
- **Status of Accreditation of the Courses:** Not Applied for NBA Accreditation
- **Total number of Courses:**4 (Four)
- **No. of Courses for which applied for Accreditation:** ---
- **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:**

Name: Civil Engineering

- Number of seats : 90
- Duration : 3 years
- Cut off marks/rank of admission during the last three years: Directorate of Technical education, Assam
- Fee: As per government prescribed structure which may change time to time.
- Placement Facilities: TPO cell is in function.
- Campus placement in last three years with minimum salary, maximum salary and average salary :

Year	Minimum Salary(LPA)	Average Salary(LPA)	Maximum Salary(LPA)
2020-21	1.8	1.8	1.8
2019-20	-	-	-
2018-19	-	-	-

- **Name: Mechanical Engineering**
- Number of seats : 50
- Duration : 3 years
- Cut off marks/rank of admission during the last three years: Directorate of Technical education, Assam
- Fee: As per government prescribed structure which may change time to time.
- Placement Facilities: TPO cell is in function.
- Campus placement in last three years with minimum salary, maximum salary and average salary :

Year	Minimum Salary(LPA)	Average Salary(LPA)	Maximum Salary(LPA)
2020-21	1.44	1.7	2.8
2019-20	1.44	2.6	4
2018-19	1.2	1.26	1.44

- **Name: Electrical Engineering**

- Number of seats : 40
- Duration : 3 years
- Cut off marks/rank of admission during the last three years: Directorate of Technical education, Assam
- Fee: As per government prescribed structure which may change time to time.
- Placement Facilities: TPO cell is in function.
- Campus placement in last three years with minimum salary, maximum salary and average salary :

Year	Minimum Salary(LPA)	Average Salary(LPA)	Maximum Salary(LPA)
2020-21	1.56	1.45	2.8
2019-20	1.44	1.8	4
2018-19	1.2	1.26	1.44

- **Name: Electronics & Telecommunication Engineering**

- Number of seats : 40
- Duration : 3 years
- Cut off marks/rank of admission during the last three years: Directorate of Technical education, Assam
- Fee: As per government prescribed structure which may change time to time.
- Placement Facilities: TPO cell is in function.
- Campus placement in last three years with minimum salary, maximum salary and average salary:

Year	Minimum Salary(LPA)	Average Salary(LPA)	Maximum Salary(LPA)
2020-21	1.44	1.44	1.44
2019-20	1.6	1.6	1.6
2018-19	1.2	1.2	1.2

- 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: Details of

the Foreign University:

Does not arise

Details of Principal:

Name of Faculty : Dr. SANJIB SINGHA

Designation : Principal i/c.

Date of Birth : 01/03/1970

Unique ID : 1-501181407

Edu Qualifications : PhD in Civil Engg

Work Experience in years:

- Teaching : 23 years
- Industry : Nil

Area of Specialization : Soil Mechanics and Foundation Engg, Soil Dynamics

Courses taught at Diploma : Engineering Mechanics, Water Resource Engg, Concrete Technology, Geotechnical Engineering, Project in 6th sem

Research Guidance:

- Number of Papers published in National/International journals/Conferences: 05 (Five)
- Master : Nil
- PhD : Nil

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



7. Faculty

Branch wise faculty members:

Civil Engg. Deptt

Name of Faculty : SAGARMOY DAS
Designation : HEAD OF CIVIL ENGG DEPTT.
Regular/Par-time : REGULAR
Date of Birth : 08/06/1963



Unique ID :
Edu Qualifications : M.E (CIVIL)
Work Experience in years:
▪ Teaching : 33 YEARS
▪ Industry : NIL

Area of Specialization : WATERSHED MANAGEMENT & FLOOD CONTROL

Courses taught at Diploma : SURVEYING, DESIGN OF R.C.C & DESIGN OF STEEL STRUCTURES

Research Guidance:

- Number of Papers published in National/International journals/Conferences:
- Master : NIL
- PhD : NIL

Project carried out : NIL

Patents : NIL

Technology Transfer : NIL

Research Publication : NIL

Number of books published with details: NIL

Name of Faculty : Mrs. NIBEDITA GUPTA
Designation : Lecturer (Sel Grade)
Regular/Par-time : Regular
Date of Birth : 29-03-1968

Unique ID : 1-501181411

Edu Qualifications : M.E. (Civil Engg.)

Work Experience in years:

- Teaching : 24 Years
- Industry : Nil

Area of Specialization : Watershed Management & Flood control

Courses taught at Diploma : Civil Engg Drawing, Structural mechanics, Transportation Engineering, Environmental Engg & Pollution control.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N. A.
- Master : N. A.
- PhD : N. A.

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Name of Faculty : Dr. SANJIB SINGHA

Designation : Lecturer (Sel Grade)

Date of Birth : 01/03/1970

Unique ID : 1-501181407

Edu Qualifications : PhD in Civil Engg



Work Experience in years:

- Teaching : 23 years
- Industry : Nil

Area of Specialization : Soil Mechanics and Foundation Engg, Soil Dynamics

Courses taught at Diploma : Engineering Mechanics, Water Resource Engg, Concrete Technology, Geotechnical Engineering, Project in 6th sem

Research Guidance:

- Number of Papers published in National/International journals/Conferences: 05 (Five)
- Master : Nil
- PhD : Nil

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil

Name of Faculty : Mr. NILENDU BHATTACHARJEE
Designation : Lecturer (Senior Scale)
Regular/Par-time : Regular
Date of Birth : 05-02-1963

Unique ID :
Edu Qualifications : M.Tech(Civil Engg.)

Work Experience in years:
▪ Teaching : 30 Years
▪ Industry : Nil

Area of Specialization : Water Resource Engineering

Courses taught at Diploma : Engg Drawing, Estimating, Building Materials, Building Construction, Railway Bridge and Tunnel Engineering, CAD

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N. A.
- Master : N. A.
- PhD : N. A.

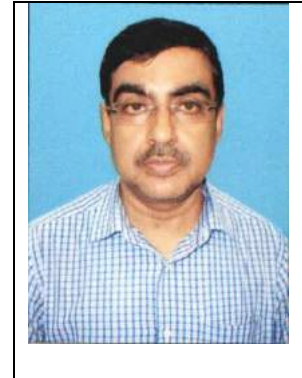
Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Mechanical Engineering Deptt

Name of Faculty : Hanif Uddin Mandal
Designation : Lecturer (Sel Grade), & HOD In-charge
Mechanical Engg
Regular/Part Time : Regular
Date of Birth : 03-12-1967
Unique ID : 1-501181431
Edu Qualifications : M.M.E.



Work Experience in years:

- Teaching : 25 years
- Industry : 5 Years

Area of Specialization : Applied Mechanics.
Courses taught at Diploma : Thermal engineering, Thermo Dynamics, Strength of Materials,
Fluid Mechanics & machines.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : Nil
- PhD : Nil

Project carried out :

Sl No	Title of Project	Instt/Laboratory		Position in Project	Period of Project	Status
1	MODROBS	Automobile Engg		Coordinator	2008-09	Completed
2	MODROBS	Theory of Machines		Coordinator	2010-11	Completed
3	MODROBS	Strength of Materials		Coordinator	2012-13	Completed
4	AICTE-NEQIP	Institute Project		Project Coordinator	2013-16	Completed

Patents : No

Technology Transfer : No

Research Publication : Nil

Number of books published with details: Nil

Name of Faculty : Kaushik Deb
Designation : Lecturer (Sel Grade), Mechanical Engg
Regular/Part Time : Regular

Date of Birth : 30-11-1963

Unique ID : 1-501181435

Edu Qualifications : M Tech



Work Experience in years:

- Teaching : 32 years
- Industry :

Area of Specialization : Thermal Engineering

Courses taught at Diploma : Industrial engineering, Automobile engineering, Theory of machines, Engineering mechanics, Engineering drawing, Drawing Estimating and Costing, Power Plant Engineering, NCE

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : Nil
- PhD : Nil

Project carried out :

Patents : No

Technology Transfer : No

Research Publication : Nil

Number of books published with details: Nil

Name of Faculty : S. Aktarul Alam Laskar
Designation : Lecturer (SS), Mechanical Engg
Regular/Part Time : Regular

Date of Birth : 1/3/1969

Unique ID :

Edu Qualifications : M Tech



Work Experience in years:

- Teaching : 20 years
- Industry : 2 months(approx)

Area of Specialization : Thermal

Courses taught at Diploma : Industrial engineering, Automobile engineering, Theory of machines, Engineering mechanics, Elements of mechanical engineering, Engineering drawing, workshop technology.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: nil
- Master : nil
- PhD : nil

Project carried out : Model of steam power plant, quick return motion application, application of Pascal law

Patents : No

Technology Transfer : No

Research Publication : Nil

Number of books published with details: yet not

Name of Faculty : Kanak Chandra Sarma
Designation : Lecturer, Mechanical Engg
Regular/Part Time : Regular
Date of Birth : 10-03-1972
Unique ID : 1-3589321959
Edu Qualifications : M.Tech (Mech. Engg) & Pursuing PhD



Work Experience in years:
▪ Teaching : 12 years
▪ Industry : 8 Years

Area of Specialization : Thermal Engineering.
Courses taught at Diploma : Engg. Drawing, Engg. Mechanics, EME, Production Technology, Metrology, NCE

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : Nil
- PhD : Nil

Project carried out : Nil
Patents : No
Technology Transfer : No
Research Publication : Nil
Number of books published with details: Nil

Name of Faculty : Hammad Sydi Laskar
Designation : Lecturer, Mechanical Engg



Regular/Part Time : Part Time

Date of Birth : 03-08-1991

Unique ID :

Edu Qualifications : M.Tech (Mech. Engg)

Work Experience in years:

- Teaching : 1 year
- Industry : 1 Year

Area of Specialization : Thermo Fluid Engineering.

Courses taught at Diploma : Plant Maintenance Engg, Engg. Drawing, Engg. Manufacturing Technology

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : Nil
- PhD : Nil

Project carried out : Nil

Patents : No

Technology Transfer : No

Research Publication : Nil

Number of books published with details: Nil

Electrical Engineering Deptt

Name of Faculty : NAVA KUMAR SAHA
Designation : Lecturer(Sel Grade)
Regular/Part-Time : Regular



Date of Birth : 18-01-1965

Unique ID : 1-501181451
Edu Qualifications : M Tech (Electrical Engg)

Work Experience in years:

- Teaching : 28 years
- Industry : nil

Area of Specialization : Power and Energy System Engineering

Courses taught at Diploma : Principles of Elect Engg., Fundamental of Electrical & Electronics Enng, Electrical Measurement and Measuring Instrument (I & II), AC Distribution and Utilisation.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: Nil
- Master :
- PhD :

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil

Name of Faculty: PARTHA PRATIM PAUL

Designation: Lecturer (Department of Electrical Engineering)

Regular/Part time: Part Time

Date of Birth: 25/12/1990



Unique ID:

Educational Qualification: M.Tech in Power & Energy System from NIT Silchar
B.E in Electrical Engineering from Assam Engineering College

Work Experience:

1. Guest Faculty at Assam Engineering College (from 01/04/2017 to 31/01/2018)
2. Assistant Professor (Temporary faculty) at NIT Silchar (from 01/02/2018 to 01/06/2018 & 01/02/2019 to 01/06/2019).
3. Part Time Lecturer at Silchar Polytechnic (from 01/08/2018 to till date)

Area of Specialization: Power & Energy system (Electrical Engineering)

Course Taught at Diploma: Electrical Machines-I, Electrical Machines-II, Switchgear & Protection
Electric Power, Fundamental of Electrical & Electronics Engineering, Electrical Circuits & Networks
Professional Practice-II, Control System & Labs related to respective subjects.

Research Guidance:

National level conference paper on Performance analysis of different controllers with energy storage system

Project work:

1. Load Frequency Control of Solar PV and Dish-Stirling solar thermal based Microgrid Using Dragonfly Optimized Classical Controllers
2. Optimal power flow by Newton method.

Name of Faculty: Ms Habiba Ahmed

Designation: Lecturer (Department of Electrical Engineering)

Regular/Part time: Part Time

Date of Birth: 11/09/1995

Unique ID:

Educational Qualification: M.Tech. (Persuing)

Work Experience:

Area of Specialization: Power System

Course Taught at Diploma: Electrical Power, Fundamental of Electrical & Electronics Engineering, Non-Conventional Energy.

Research Guidance:

Project work:



Electronics & Telecommunication Engineering

Name of Faculty : **ABDUS SAMAD**

Date of Birth : **01.03.1969**

Unique ID :

Edu Qualifications : **B.E (ELECTRONICS & TELECOMMUNICATION)
M.TECH (ELECTRONIC & INSTRUMENTATION)**



Work Experience in years:

- Teaching : **25 YEARS**
- Industry : **NIL**

Area of Specialization : **ELECTRONICS & TELECOMMUNICATION;
INSTRUMENTATION**

Courses taught at Diploma : **ANALOG ELECTRONICS, POWER ELECTRONICS, DIGITAL SIGNAL
PROCESSING, MICROPROCESSOR & MICROCONTROLLER; CONSUMER
ELECTRONICS**

Research Guidance:

- Number of Papers published in National/International journals/Conferences:
- Master :
- PhD :

Project carried out : **DEVELOPMENT OF A MICROCONTROLLER BASED ROBOTIC ARM CONTROL SYSTEM
FOR EDUCATIONAL PURPOSES.**

Patents :

Technology Transfer :

Research Publication :

Number of books published with details :

Name of Faculty : SHYAMAMOY DEB ROY
Designation : Lect. (Sr. Scale)
Regular/Par-Time : Regular
Date of Birth : 31-03-1967

Unique ID : 1-501181455

Edu Qualifications : B.Tech (Electronics & Comm. Engg.)

Work Experience in years:

- Teaching : More than 20 (twenty) years as Lect. In E&TC Engg.
- Industry : NIL

Area of Specialization : NIL

Courses taught at Diploma : **3rd Semester** - 1) Professional Practice I (2) Electronic Workshop I
4th Semester - 1) Digital Electronics (Th+Lab) (2) Communication Engg. I (Th+Lab) (3) Professional Practice II
5th Semester - 1) Communication Engg. II (Th + Lab) (2) Electronic Instrumentation (3) Microprocessor Lab (Electrical/ Electronics)
6th Semester - Project (Seminar/Viva)

Research Guidance: NIL

- Number of Papers published in National/International journals/Conferences: NIL
- Master : NIL
- PhD : NIL

Project carried out : NIL

Patents : NIL

Technology Transfer : NIL

Research Publication : NIL

Number of books published with details: NIL



Name of Faculty : Mrs. Amim Mazumder
Designation : Lecturer
Regular/Par-time : Part Time
Date of Birth : 01-12-1988

Unique ID : 1-7487076260

Edu Qualifications : B.Tech (Electronics & Telecommunication)

Work Experience in years:

- Teaching : 1 Years
- Industry : 2 years



Area of Specialization : ---

Courses taught at Diploma : Digital Signal Processing, Data communication, ETN Workshop
Analog Electronics-I, Computer Application.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N. A.
- Master : N. A.
- PhD : N. A.

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil

Name of Faculty : Mr. Aktar Goni Choudhury
Designation : Lecturer
Regular/Par-time : Part Time
Date of Birth : 30-01-1988

Unique ID :

Edu Qualifications : B.Tech (Electronics & Communication)

Work Experience in years:

- Teaching : 4 Years
- Industry : 1 year

Area of Specialization : ---

Courses taught at Diploma : Digital Signal Processing, Data communication, ETN Workshop
Analog Electronics-I, Computer Application.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N. A.
- Master : N. A.
- PhD : N. A.

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Department of Physics

Name of Faculty : Dr. Biswanath Mazumder
Designation : Lecturer (SS) in Physics
Regular/Par-time : Regular
Date of Birth : 03-03-1965

Unique ID : 1-1581834276

Edu Qualifications : M. Sc.(Physics), Ph.D.

Work Experience in years:

- Teaching : 30
- Industry : --

Area of Specialization : Solid State Physics

Courses taught at Diploma : Engineering Physics

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : N A
- PhD : N A

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : 7 International Journals

Number of books published with details: Nil



Name of Faculty : Syed Nasir Ahmed
Designation : Lecturer
Regular/Part-time : Regular
Date of Birth : 09-10-1969

Unique ID : 1-1581874941

Edu Qualifications : M.Sc.(Physics)

Work Experience in years:

- Teaching : 21 years
- Industry : Nil

Area of Specialization : Electronics and Radio Physics

Courses taught at Diploma : Applied Physics

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N.A.
- Master : N.A.
- PhD : N.A.

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Department of Chemistry

Name of Faculty : Kamala Paul (Kar)
Designation : Lecturer(SG)
Regular/Par-time :Regular
Date of Birth :01/01/1963

Unique ID :

Edu Qualifications : MSc in Chemistry, Dibrugarh University

Work Experience in years:

- Teaching :32
- Industry : 0

Area of Specialization : Organic Chemistry

Courses taught at Diploma : Chemistry

Research Guidance:

- Number of Papers published in National/International journals/Conferences :nil
- Masters : nil
- PhD : nil

Project carried out : nil

Patents : nil

Technology Transfer : nil

Research Publication : nil

Number of books published with details: nil



Name of Faculty : DR. PANKAJ GOSWAMI

Date of Birth : 01/01/1972

Unique ID : 1-1581834271

Educational Qualifications : Ph. D. in Chemistry

Work Experience in years:

- Teaching : 17 years.
- Industry : NIL

Area of Specialization : Organic Chemistry

Courses taught at Diploma : Chemistry & Environmental Education.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: NIL
- Master : NIL
- PhD : NIL

Project carried out : NIL

Patents : NIL

Technology Transfer : NIL

Research Publication : (6 in International Journal, 1 in National Journal, 1 in Proceedings of International Conference and 1 in Proceedings of National Conference)

Number of books published with details: NIL



Name of Faculty : Mr. Debabrata Talukder

Designation :Lecturer, Chemistry

Regular/Par-time : Regular

Date of Birth : 17-04-1970

Unique ID : 1-1581874946

Edu Qualifications : M. Sc. in Chemistry

Work Experience in years:

- Teaching : 25 Years
- Industry : Nil

Area of Specialization : Organic Chemistry

Courses taught at Diploma : General Chemistry & Industrial Chemistry

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N.A.
- Master : N.A.
- PhD : N.A.

Project carried out : Nil

Patents : Nil

Technology Transfer : N.A.

Research Publication : Nil

Number of books published with details: Nil



Department of Mathematics

Name of Faculty : Sudip Sen
Designation : Lecturer (SG) in Mathematics
Regular/Par-time : Regular
Date of Birth : 13-11-1966

Unique ID : 1-1581739476

Edu Qualifications : M Sc (Mathematics)

Work Experience in years:

- Teaching : 28
- Industry : ---

Area of Specialization : Applied Mathematics

Courses taught at Diploma : Mathematics

Research Guidance:

- Number of Papers published in National/International journals/Conferences: N A
- Master : N A
- PhD : N A

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Name of Faculty : SUTAPA BHATTACHARJEE
Designation : Lecturer(Sel Grade)
Regular/Part-Time : Regular

Date of Birth : 31-07-1967

Unique ID : 1-1581739471

Edu Qualifications : M.Sc. in Mathematics

Work Experience in years:

- Teaching : 26 years
- Industry : nil

Area of Specialization : Applied Mathematics.

Courses taught at Diploma : Calculus, Algebra, Trigonometry, Mensuration, Co-ordinate Geometry, Differential Equation, Statistics, Linear Programming, Graphics, Solid Geometry, Vector etc.

Research Guidance:

- Number of Papers published in National/International journals/Conferences: Nil
- Master :
- PhD :

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : Nil

Number of books published with details: Nil



Name of Faculty : Dr. SOUMITRA NATH
Designation : Lecturer (Selection Grade) in Mathematics
Regular/Par-time : Regular
Date of Birth : 18-05-1970
Unique ID : 1-1581786391
Educational Qualification : Ph.D in Mathematics
Work Experience in years:
▪ Teaching : 25 Years
▪ Industry : ----



Area of Specialization : Pure Mathematics
Courses taught at Diploma : All topics of mathematics in diploma level
Research Guidance: -----
▪ Number of Papers published in National/International journals/Conferences: 04 (Four) No. Papers
▪ Master : N.A.
▪ PhD : N.A.

Project carried out : NIL
Patents : NIL
Technology Transfer : NIL

Research Publications:

1. *I- convergence in probabilistic n -normed space*, Soft Computing (Springer), 2012, 16(6), 1021-1027.
2. *Lacunary I- convergence in probabilistic n -normed space*, Journal of the Egyptian Mathematical Society (2015) 23, 90-94.
3. *I- Limit Superior and I-Limit Inferior of Sequences in Probabilistic Normed Space*, International Journal of Modern Mathematical Sciences, 2013, 7(1), 1-11.
4. *On Generalised Difference Ideal Convergence in Generalised Probabilistic n -Normed Space* : Proceedings of the National Academy of Sciences, India- Section A- October 2019.

Number of books published with details: NIL

Department of Humanities & English

Name of Faculty : MR. BHASKAR JYOTI DAS

Designation : Lecturer (Selection Grade)

Regular/Par-time : Regular

Date of Birth : 25/04/1965

Unique ID : 1-1581375682

Edu Qualifications : MA

Work Experience in years:

- Teaching : 25 years
- Industry : Nil

Area of Specialization : Applied Statistics & demography

Courses taught at Diploma : Industrial Management & Entrepreneurship in 6th Semester
Engineering Economics & Accountancy in 3rd Semester

Research Guidance:

- Number of Papers published in National/International journals/Conferences: 1(one)
- Master : in Economics
- PhD : Up to Course work

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication : 1(one)

Number of books published with details: 2(two) Local Journals



Name of Faculty : Mr. Shantanu Roy
Designation : Lecturer (Selection Grade)
Regular/Par-time : Regular
Date of Birth : 01/09/1963



Unique ID :

Edu Qualifications : Double MA

Work Experience in years:

- Teaching : 29 years
- Industry : Nil

Area of Specialization : Mathematical Economics and econometrics, Applied Statistics and Demography

Courses taught at Diploma : Industrial Management & Entrepreneurship in 6th Semester
Engineering Economics & Accountancy in 3rd Semester

Research Guidance:

- Number of Papers published in National/International journals/Conferences: 1(one)
- Master : in Economics
- PhD : Upto Course work

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication :

Number of books published with details:

Name of Faculty : Dr. Mohammed Ishaque Ahamed

Designation : Lecturer
Regular/Par-time : Part Time
Date of Birth : 28/02/1984



Unique ID :

Edu Qualifications : M A (Double), PhD, M.Ed.

Work Experience in years:

- Teaching : 12 years
- Industry : Nil

Area of Specialization : Linguistics, ELT.

Courses taught at Diploma : Communication English

Research Guidance:

- Number of Papers published in National/International journals/Conferences: 4(Four)
- Master :
- PhD :

Project carried out : Nil

Patents : Nil

Technology Transfer : Nil

Research Publication :

Number of books published with details:

Departments:

DEPARTMENT OF CIVIL ENGINEERING

Permanent faculty: 06

Adjunct Faculty: Nil

Permanent Faculty: Student Ratio: 1: 22.5

Number of Faculty employed and left during last three years: Nil

DEPARTMENT OF ELECTRICAL ENGINEERING

Permanent faculty: 01

Adjunct Faculty:

Permanent Faculty: Student Ratio: 1: 30

Number of Faculty employed and left during last three years:

Number of Part time employed: 02

Number of Faculty left: 02

DEPARTMENT OF MECHANICAL ENGINEERING

Permanent faculty: 5

Adjunct Faculty: Nil

Permanent Faculty: Student Ratio: 1: 12

Number of Faculty employed and left during last three years: Nil

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Permanent faculty: 04

Adjunct Faculty: Nil

Permanent Faculty: Student Ratio: 1:10

Number of Faculty employed and left during last three years: Nil

DEPARTMENT OF ENGLISH

Permanent faculty: 0

Adjunct Faculty: Nil

Number of Faculty employed and left during last three years:1

Number of Part time employed: 01

DEPARTMENT OF HUMANITIES

Permanent faculty: 02

Adjunct Faculty: Nil

Number of Faculty employed and left during last three years: Nil

DEPARTMENT OF PHYSICS

Permanent faculty: 02

Adjunct Faculty:

Number of Faculty employed and left during last three years:

Number of Part time employed:

DEPARTMENT OF CHEMISTRY

Permanent faculty: 3

Adjunct Faculty:

Number of Faculty employed and left during last three years:

Number of Part time employed:

Number of Part time left:

DEPARTMENT OF MATHEMATICS

Permanent faculty: 03

Adjunct Faculty: Nil

Permanent Faculty: Student Ratio:

Number of Faculty employed and left during last three years: Nil

Sl. No.	Name of the grant	Amount (In Lakhs)	Year	Status
1	NEQIP, AICTE	500.00	2013-16	Completed
2	MODROBS - Upgradation of Automobile Lab under Mech. Engg Lab	15.0	2008-09	Completed
3	MODROBS- Upgradation of TOM Lab under Mech. Engg Lab	6.19	2011-12	Completed
4	MODROBS- Upgradation of Strength of Materials Lab under Mech. Engg Lab	20.0	2013-14	Completed

5	NODROB- Modernisation of Material testing lab under Civil Deptt	4.0	2008-09	Completed
6	MODROB- Modernization of Computer Lab	10.0	2008-09	Completed
7	MODROB- Modernization of Electrical Engg. Lab.	10.0	2008-09	Completed
	Community College (Pilot Project)	186.0	2014-19	Completed

GOVT. OF ASSAM
DIRECTORATE OF TECHNICAL EDUCATION: ASSAM
KAHILIPARA, GUWAHATI-19

No. SCTE-3/2015/ 3015

Dated, Guwahati, the 30/01/18

ANNEXURE - I
 FEE STRUCTURE IN POLYTECHNICS OF ASSAM DIRECTORATE OF TECHNICAL
 EDUCATION, ASSAM

Sl.	Description for all students	Amount in Rs.
A) One-Time		
1	Admission fee (Govt.)	300.00
2	Training and Placement	200.00
3	Library Caution (refundable)	300.00
4	Science/ Workshop Caution (refundable)	400.00
	Total	1200.00
B) Fee Payable Per Year		
1	Library	100.00
2	Magazine	100.00
3	Medical	100.00
4	Sports/ Extra Curricular Activity	500.00
5	Electricity	200.00
6	Celebrations	200.00
7	Students Aid/ Activity	200.00
8	ID Card	50.00
	Total	1450.00
C) Fee Payable Per Semester		
1	Registration Fee (Govt.)	50.00
2	Tuition fee (Govt.)	500.00
3	Examination Fee (* Retest Fee @ Rs.200 per subject)	500.00
4	Laboratory/ Workshop Fee	1200.00
5	Building Maintenance/ Development Fund	200.00
	Total	2450.00
D) Hostel & Mess Expenses - for each semester - for Boarders		
1	Admission fee (Govt.)	100.00
2	Hostel Seat Rent (Govt.) (annum)	500.00
3	Hostel Caution Money One-Time (refundable)	500.00
4	Electricity, water & other Charges	500.00
5	Hostel & Mess Establishment Amenities Charges (annum)	500.00
	Total	2100.00
6	Mess Dues	To be decided by respective Institutes and collected at hostel

1st Semester Admission fees & dues:

1. Admn. Fees (Govt.)	:	300/-
2. Training and Placement	:	200/-
3. Library caution money (Ref.)	:	300/-
4. Sc. Workshop caution money (Ref.)	:	400/-
5. Library fees	:	100/-
6. Magazine	:	100/-
7. Medical	:	100/-
8. Sports/Extra/Curricular Activity	:	500/-
9. Electricity	:	200/-
10. Celebrations	:	200/-
11. Students Aid/Activity	:	200/-
12. Students Insurance	:	100/-
13. I-card	:	50/-
14. Registration fees (Govt.)	:	50/-
15. Tuition fees (Govt.)	:	500/-
16. Laboratory workshop fees	:	1200/-
17. <u>Building Maintenance /Development</u>	:	<u>200/-</u>
Total	:	4,700/-

3rd Semester Admission fees & dues:

1. Tuition fees	:	500/-
2. Library fees	:	100/-
3. Magazine	:	100/-
4. Medical	:	100/-
5. Sports/Extra/Curricular Activity	:	500/-
6. Electricity	:	200/-
7. Celebrations	:	200/-
8. Students Aid/Activity	:	200/-
9. I-card	:	50/-
10. Laboratory workshop fees	:	1200/-
11. <u>Building Maintenance /Development:</u>	:	<u>200/-</u>
Total	:	3,350/-

5th Semester Admission fees & dues:

1. Admission fees	:	20/-
2. Tuition fees	:	500/-
3. Electricity and water charge	:	100/-
4. Library fees	:	100/-
5. Magazine	:	100/-
6. Medical	:	100/-
7. Games	:	200/-
8. Students Activity	:	150/-
9. Cultural fees	:	60/-
10. Laboratory Development fund	:	1000/-
11. <u>Training cum Placement fees</u>	:	<u>50/-</u>
Total	:	2,380/-

Principal,
H.R.H. The Prince of Wales Institute of
Engineering and Technology, Jorhat.

- Time schedule for payment of fee for the entire programme:
- No. of fee waivers granted with amount and name of students: NA
- No. of scholarship offered by the Institution, duration and amount: NA
- Criteria for fee waivers/scholarship: BPL income group.
- Estimated cost of Boarding and Lodging in Hostels: As given in the fee structure

9. Admission

- **Name of the Department: Civil Engineering**
- Level: Diploma
- Number of seats sanctioned: 90
- Number of students admitted under various categories each year in the last three years:

Sl. No.	Year	Gen	OBC	SC	ST	Minority	Total
1.	2020-21	21	21	8	13	27	90
2.	2019-20	18	24	6	4	36	88
3.	2018-19	14	21	8	17	30	90

- **Name of the Department: Electrical Engineering**
- Level: Diploma
- Number of seats sanctioned: 40
- Number of students admitted under various categories each year in the last three years:

Sl. No.	Year	Gen	OBC	SC	ST	Minority	Total
1.	2020-21	17	10	3	6	4	40
2.	2019-20	16	10	2	6	4	38
3.	2018-19	17	9	3	6	5	40

- **Name of the Department: Mechanical Engineering**
- Level: Diploma
- Number of seats sanctioned: 50
- Number of students admitted under various categories each year in the last three years:

Sl. No.	Year	Gen	OBC	SC	ST	Minority	Total
1.	2020-21	19	11	4	6	8	48
2.	2019-20	18	11	4	7	8	48
3.	2018-19	15	9	4	9	13	50

- **Name of the Department: Electronics & Telecommunication Engineering**
- Level: Diploma
- Number of seats sanctioned: 40
- Number of students admitted under various categories each year in the last three years:

Sl. No.	Year	Gen	OBC	SC	ST	Minority	Total
1.	2020-21	12	8	3	5	10	38
2.	2019-20	6	9	3	5	11	34
3.	2018-19	4	4	2	7	4	21

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

10. Admission Procedure

- Name of Admission Test conducted: **Assam Polytechnic Admission Test (PAT)** is conducted once in a year by Directorate of Technical Education, Assam.
- Conducted by: Directorate of Technical Education, Assam
- Website: www.dte.assam.gov.in
- No of seats allotted: 210

Calendar for admission against Management/vacant seats: No management seats. Vacant seats are filled up by DTE through counseling process centrally.

11. Criteria and Weightages for Admission: Admission quota is as per State Govt. rules.



ELIGIBILITY FOR ADMISSION:

5.1 For Diploma courses in Engineering and Technology, a candidate must fulfill the following conditions :-

- (1) Must qualify in the Polytechnic Admission Test (PAT-2018) for admission into Diploma Courses' offered by State Council for Technical Education, Assam as notified by the DTE, Assam.
- (2) For admission into Diploma Courses the candidate must pass the H.S.L.C. or its equivalent examination in a single sitting with Mathematics and Science as compulsory subject with -
 - * 40% marks (in Average) in Mathematics and Science for General candidates
 - * 35% marks (in Average) in Mathematics and Science for SC candidates.
 - * 33% marks (in Average) in Mathematics and Science for ST Candidates.
- (3) If there is tie in PAT marks, then Science and Mathematics marks of qualifying examination will be taken into consideration to decide the merit of the candidates; if there is a tie again, then the aggregate marks of the qualifying examination will be taken into consideration to decide the merit of the candidate. If again, there is a tie, then the merit of the candidate will be decided by lottery by the Chairperson of the Selection Committee. The decision of the Selection Committees shall be final.

✓ 13. **ADMISSION TEST:**

Admission test will be held in all the Polytechnics of Assam on the subject Science and Mathematics on the date and time as notified by the Directorate Technical Education. There will be one question paper of Science and Mathematics of 100 marks of 2 hours duration. The question paper will be of H.S.L.C. level.

The questions will be of objective type with multiple choices Answer for the Examinations.

Candidates are to bring **black ball pen** for marking OMR sheet. Sample as Annexure-VI.

✓ 14. **COUNSELLING AND SELECTION:**

An Interview will be held centrally to select the candidates provisionally for admission into the Polytechnics of Assam. The date and venue of which will be published along with the result of the Polytechnic Admission Test.

Choice of Polytechnic and branch of Engineering of a candidate will be determined on the basis of merit of the admission test at the time of interview.

Final selection against the quota reserved for the categories of N.C.C and Sports shall be made by a Selection Board.

If discontinued studies in between passing the last examination of Board/ University a gap certificate must be produced at the time of interview.

Candidates can not undertake any other course of study once admitted in a Polytechnic.

Note 12 : Candidate sponsored by other States, Union Territories need not appear in the PAT however they are required to submit their applications in prescribed forms completed in all respects, when called by the D.T.E., Assam.

12. List of Applicants

List of candidate whose applications have been received along with percentile/percentage score 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: **Inapplicable**

13. Results of Admission under Management seats /Vacant seats: **Inapplicable**

14. Information of Infrastructure and Other Resources Available

- Number of Classrooms and size of each:

Sl. No.	Departments	No. of Classrooms	Size of Classrooms
1.	First year classes	05	100.8 sq.m/room
		Room No. 203	117.6 sq.m
2.	Civil Engineering	Room No. 119	169.92 sq.m
		Room No. 120	351.79 sq.m
		Room No. 201	100.8 sq.m
3.	Electrical Engineering	02	84.64 sq.m
4.	Mechanical Engineering	02	81 sq.m
5.	Electronics & Telecommunication	02	85.28 sqm

- **Number of Tutorial rooms and size of each:** Classrooms mentioned above are used as tutorial rooms.
- **Number of Laboratories and size of each:**

Sl. No.	Departments	Laboratories in the department/Shop in the Workshop	Size of laboratories
1.	Physics	Lab 1	116.4 sq.m
		Lab 2	58.2 sq.m
		Lab 3	121.5 sq.m
2.	Chemistry	Lab	97.2 sq.m
		Practical Classroom	79.38 sq.m
3.	Civil Engineering	Survey Store/Lab	64.8 sq.m
		Material Testing Lab	74.55 sq.m
		Geo Tech Lab	86.4 sq.m
		Comp. Lab	24.84 sq.m
		Hydraulics Lab	88.8 sq.m
4.	Electrical Engineering	Lab 1	246.24 sq.m
		Lab 2	68.04 sq.m
5.	Mechanical Engineering	Theory of Machine Lab	164.7 sq.m
		Engineering Mechanics Lab	164.7 sq.m
		Strength of Materials Lab	135 sq.m
		Refrigeration & Air-Conditioning Lab	81 sq.m
		Fluid Mechanics & Fluid Machines Lab	165.6 sq.m
		Heat Power Engineering/Elements of Mechanical Engg. Lab	117 sq.m
		Computer Centre	92.7 sq.m

9.	Electronics & Telecommunication	PEST Lab	90.2 sqm
		Communication Lab	88.56 sq.m
		Computer Centre	118.08 sq.m
		Consumer Lab	59.86 sq.m
		Analog Lab	59.86 sq.m
		D.E Lab	107.07 sq.m
		E.T Workshop	87.74 sq.m
10.	General workshop	Carpentry/Painting Shop	351.05 sq.m
		Fitting Shop	362.505 sq.m
		Electrical Shop	130.32 sq.m
		Plumbing Shop	a) 26.28 sq.m b) 86.724 sq.m
		Smithy Shop	160.49 sq.m
		R.C.C Shop	301.71 sq.m
		Welding Shop	116.12 sq.m

- **Number of Drawing Halls with capacity of each:** 01 with capacity of 60 students.
- **Number of Computer Centres with capacity of each:** 6 nos.
- **Central Examination Facility, Number of rooms and capacity of each:**
- **Barrier Free Built Environment for disabled and elderly persons:** Yes
- **Occupancy Certificate:** Yes
- **Fire and Safety Certificate:** Yes
- **Hostel Facilities:** There is 2 (Two) number of Hostel. One for Boys and another for Girls with intake capacity of 60 and 30 respectively. Number of students residing at present is 50. New Girls' Hostel within the institute campus is constructed and ready to takeover. Another New Boys Hostel is under construction.

Library

- **Number of Library books/ Titles/ Journals available (program-wise):**

Sl. No.	Departments	Number of Library books/Titles/Journals available
1.	Civil Engineering	Books: 3452, Journals: 02
2.	Electrical Engineering	Books: 2145, Journals: 01
3.	Mechanical Engineering	Books: 3299, Journals: 04
7.	Electronics & Tele-communication Engineering	Books: 2000, Journals: 04
8.	Humanities	Books: Accounts:- 95, Economics:- 50, Mathematics: - 190, Others: 1807 Journals: Mathematics:- 03, English:- 04
9.	Basic Science	Books: Physics: - 150, Chemistry: 155

- **List of Online National/International Journals subscribed:**
- **E-Library facilities:** Faculty members and students of this Institute have registered themselves in National Digital Library of India (NDL India).

- **Laboratory and Workshop:** Each Department has their own laboratories equipped with old and new equipments. There are computer centres in four departments and a language lab. The workshop has a separate building with all machineries and equipments required as per the curriculum.

- **List of Major Equipment/Facilities in each Laboratory/ Workshop:**

- **Department of Civil Engineering**

Sl.No.	Name of the Laboratory	Major Equipments
1.	Material Testing Lab	<ul style="list-style-type: none"> • Universal testing machine • Impact value testing apparatus • IS Sieve and Sieve shaker • Vicat apparatus • Le-Chateliers equipments • Los Angeles apparatus
2.	Survey Lab - I	<ul style="list-style-type: none"> • Total Station • Theodolite • Dumpy Level • Levelling Staff • Plane table with accessories • Metric chain 30Metre • Metric chain 20Metre • Cross staff • Prismatic Compass with tripod • Ranging Rod
3.	Geotechnical Lab	<ul style="list-style-type: none"> • Weighing Balance • Thermostatically Controlled Oven • Mechanical Sieve Shaker • Casagrande's Liquid Limit Device • California Bearing Ratio (CBR) Test • Triaxial Test • Direct Shear Box • Electronic Digital Balance • Consolidation Test • Standard Penetration Test Apparatus • Hydraulic Jack • Hydraulic Hand

5.	Environmental Engineering Lab	<ul style="list-style-type: none"> • Jar Test Apparatus • Digital PH meter • Digital Turbidimeter • Burettes- 25ml,50ml,100ml
6.	Hydraulics Lab	<ul style="list-style-type: none"> • Bernoulli's apparatus • Notch Orifice & Mouth piece • Metacentric Height determination apparatus • Determination of Co-efficient of friction
7.	Central CA Lab	Computer with MS office software
8.	Civil Engineering Model display	Various models are kept in a room and students are allowed to study the models.

▪ **Department of Electrical Engineering**

Sl.No.	Name of the Laboratory	Major Equipments
1.	Elements of Electrical Engineering	<ul style="list-style-type: none"> ▪ Power supplies DC & AC ▪ Ammeter & Voltmeter (MC & MI) ▪ Fuse wire with fuse Holder ▪ Wattmeter ▪ Lamp load ▪ Inductor and ▪ Capacitor ▪ Resistor ▪ Copper / aluminium wires
2.	Principles of Electrical Engineering	<ul style="list-style-type: none"> • Power supplies DC and AC • MI and MC ammeter and voltmeter • Variable Rheostate • Inductor, capacitor • Wattmeter

		<ul style="list-style-type: none"> • Fuse wire with Fuse holder • Lamp load
3.	Electrical Circuit & Networks	<ul style="list-style-type: none"> • Power supply DC and AC • Voltmeter and ammeter (MC & MI) • Rheostat • Wattmeter • Lamp load • Multimeter • Inductor and Capacitor
4.	Electrical Machines –I	<ul style="list-style-type: none"> • DC Generator and Motor. • 3-point ,4-point starter • MC and MI ammeter and voltmeter • Wattmeter • Rheostat • Load box • Transformer
5.	Electrical Measurements & Measuring Instruments – I	<ul style="list-style-type: none"> • MC and MI ammeter and voltmeter • Wattmeter • Energy meter • Kelvins bridge • Maxwell bridge • Anderson bridge • Load box • Rheostat
6.	Electrical Machines –II	<ul style="list-style-type: none"> • Transformer • Auto transformer • Induction motor starter • MC and MI ammeter and voltmeter • Rheostat • Wattmeter • 1-phase & 3-phase Induction motor • Alternator • Synchronous motor • Phase sequence indicator
7.	Electrical Measurements & Measuring Instruments – II	<ul style="list-style-type: none"> • Wattmeter • Energymeter • MI and MCammeter and voltmeter • CRO and functionGenerator • CT and PT • Shunt and multiplier

		<ul style="list-style-type: none"> • Megger • Multimeter.
8.	New machines were provided by NEQIP and Government of Assam	Shunt and series motor, Universal Motor, Synchronous motor.
9.	Provided new electrical equipment by NEQIP project	Digital earth Tester, megger Function Generator
10.	Internet facilities in computer Lab	24 numbers of computers are connected with high speed internet facility.

▪ **Department of Mechanical Engineering**

Sl. No.	Name of the Laboratory	Major Equipments
1.	Engineering Mechanics Lab	<ul style="list-style-type: none"> • Simply Supported Beam • Rope Brake Dynamometer • Friction Apparatus • Universal Force Table • Vertical Force Table • Bell Crank Lever • Simple Wheel and Axle • Screw Jack
2.	Elements of Mechanical Engineering	<ul style="list-style-type: none"> • Different kinds of Boiler model • Reciprocating Steam Engine model • IC Engine model • Gas Turbine model
3.	Fluid Mechanics & Fluid Machines Lab	<ul style="list-style-type: none"> • Reciprocating Pump Test Rig • Centrifugal Pump Test Rig(2) • Orificemeter & Venturimeter • Bernoulli's Theorem(2) • Reynold's Apparatus • Losses due to friction in pipe lines • Impact of Jet on Vanes(2) • Laminar Flow Tube(2) • Orifice & Mouthpiece • Hydraulic Ram • Pitot Tube setup • Cavitation Apparatus.
4.	Refrigeration & Air-conditioning Lab	<ul style="list-style-type: none"> • Experimental Domestic Refrigerator (2) • Refrigeration Cycle Demonstration

		Unit <ul style="list-style-type: none"> • Refrigeration Test Rig • Experimental Water Cooler Storage type • Experimental Air Conditioning Unit • Experimental Air Conditioner Window type • Ice Plant Tutor • Experimental Window Air Conditioner
5.	Theory of Machine Lab	<ul style="list-style-type: none"> • Simple Pendulum • Watt Governor • Static Balancing setup • Motorised Gyroscope • Different types of demonstration model.
6.	Strength of Materials Lab	<ul style="list-style-type: none"> • Universal Testing Machine • Torsion Apparatus • Helical Spring • Searle's Apparatus • Rockwell and Brinell Hardness Test • Impact Testing
7.	Heat Power Engineering Lab	<ul style="list-style-type: none"> • Different kinds of Boiler model • Reciprocating Steam Engine model • IC Engine model • Gas Turbine model • 4 Stroke, 4 Cylinder Diesel Engine (motorized) • Evaporative Cooler Test Rig.
8.	Engineering Models	Theory of Machine Lab, Heat Power Engineering Lab, Fluid Mechanics Lab, Elements of Mechanical Engineering Lab
9.	Old Projects of Mechanical Engineering	Best old projects of Mechanical Engineering kept for further studies.

10.	Computer Centre and CAD/CAM Lab	There are 20 numbers of computers connected with high speed internet facility.
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▪ **Department of Mechanical(Automobile) Engineering**

2.	Automobile Chassis And Transmission Lab	<ul style="list-style-type: none"> • Single plate, multi-plate clutch • Three speed synchromesh gear box • Dial indicator • Feeler gauge • Working model of live axle • Chassis with brake system • Working models of steering gear mechanism and chassis with steering linkages • Manatec Computerized Wheel aligner • Tube Vulcanizer • Cut working model of hydraulically and electronically assisted power steering
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		<ul style="list-style-type: none"> Hydraulic shock absorber with independent suspension system (working model)
3.	Garage Practice And Management Lab	<ul style="list-style-type: none"> Various kind of Basic tools , Automotive tools and equipment's used in a garage/workshop Valve Seat Grinder Refacer Spark Plug Cleaner And Tester Diesel Fuel Injection Pump Test Bench Cylinder Bore Gauge and Micrometer Stroboscope Dwell Tech Meter and Feeler gauge Micrometer Engine Analyzer Air Compressor with gun Connecting Rod Aligner Compressor, Grease gun, Oil filter puller, Washing bay etc.
4.	Advanced Automobile Engineering Lab	<ul style="list-style-type: none"> Morse test rig Single cylinder petrol and diesel engine with rope brake dynamometer arrangement Three Gas analyzer Five Gas analyzer Wheel balancing machine Red wood viscometer Engine analyzer Engine, Feeler gauge
5.	Auto Electrical Equipment Lab	<ul style="list-style-type: none"> Equipment like growler tester, cell tester, Battery charger etc. 12 volt lead acid battery ,Hydrometer, Cell tester, Battery charger Vehicle with complete starting system, self-starter with Bendix drive Growler tester and starter motor Starting motor with solenoid switch D.C generator

		<ul style="list-style-type: none"> • Cut section model Alternator, Growler tester • Vehicle with complete wiring system • Engine with electric ignition system • Engine with complete horn circuit • Complete electric drive mechanism of wiper mechanism • Engine with O2, MAP, Temperature sensor etc.
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▪ **Department of Electronics & Telecommunication Engineering**

Sl. No.	Name of the Laboratory	Major Equipments
1.	DCN Lab and PCST Lab	<ul style="list-style-type: none"> • Desktop Computer – 20 Nos. • Networking setup for 20 computers. • LCD Projector – 01 No. • MODEM/ROUTER Experimental Kit – 05 Nos. • UPS Experimental Kit – 02 Nos. • Experimental Kit for a PC system – 01 No. • Networking Experimental Kit for DCN – 01 No.
2.	Digital Electronics & Microprocessor Lab	<ul style="list-style-type: none"> • Digital Logic Gate Training Board • Multiplexer Training Board • Memory Training Board • Counter Training Board • Registers Training Board

		<ul style="list-style-type: none"> • Microprocessor Training Kit for 8085 up • Microprocessor Training Kit for 8086 up • Interfacing Kit with Microprocessor Training Kit
3.	Analog Electronics Lab	<ul style="list-style-type: none"> • Diode training board • Transistor Training Board • Transistor – FET, MOSFET Training Board • SCR Training Board • Phase Control Training Board using SCR • Clipper, clampers Training Board • UJT Training Board • Rectifier Training Board (Diode) • C.R.O • Multimeters
4.	Communication Engineering Lab	<ul style="list-style-type: none"> • Training Board on A.M Modulation • Training Board on F.M Modulation • Training Board on PSK, ASK, FSK • C.R.O • Multimeters • Training Board on A.M Demodulation • Training Board on F.M Demodulation
5.	Electronics Workshop	<ul style="list-style-type: none"> • CROS • PCB Design and Etching equipment • Different types of wires & cable display board • Different types of transformers sets

		<ul style="list-style-type: none"> • Multimeters • Different types of devices
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▪ **General Workshop**

Sl. No.	Name of the Shop	Major Machines	Total No.
1.	Machine Shop	a) Milling Machine	3
		b) Shaping Machine	1
		c) Universal Grinding m/c	1
		d) Tool & Cutter Grinding m/c	1
		e) Drilling m/c	1
		f) Planning m/c	1
		g) Turner & tools	2
		h) Centreless grinder m/c	1
2.	Fitting Shop	a) Power saw m/c	1
		b) Pipe bending	1
3.	Welding Shop	a) Welding m/c	1
4.	Turning Shop	a) Lathe m/c (South bent)	1
		b) Lathe m/c (Thompson & Co.)	1
		c) Lathe m/c substain with 3 HP motor	1
		d) Lathe m/c (H.M.T made with 5 H.P motor)	1
		e) Lathe m/c G/P-2 motor	1
		f) Drill m/c piller type	1
		g) Drill m/c vertical type	1
		h) Grinding m/c double ended	1
		i) Grinding m/c 2 wheel table grinder	1
		j) All gear centre lathe m/c model-6	1
		k) Pipe threading m/c	1
		l) Lathe m/c horizontal 1 HP motor	8
		m) Lathe m/c horizontal 3 HP motor	1
		n) Lathe m/c (Shinga-1)	1

		o) Lathe m/c (center) 5 HP motor	1
		p) Lathe m/c 3 HP motor	1
		q) Lathe m/c (gap bed)	1
		r) Lathe m/c without motors	1
		s) All geared lathe (new)	1
5.	Electrical Shop	a) Motor winding m/c	1
6.	Carpentry Shop	a) Universal Wood Working or Multipurpose machines – sawing, planing, drilling & grinding, sanding.	1
		b) Circular Saw m/c (with motor 1.5 H.P) 440 volt.	1
		c) Heavy Duty Circular Saw m/c 20 H.P motor Standard.	
		d) Wood turning lathe m/c	1
		e) Band Saw m/c (with motor) Waller Turner 1.5 H.P	1
		f) Drilling m/c	1
		g) Cutter Grinding m/c	1
		h) Jig Saw m/c	1
		i) Thickness Planner m/c	1
7.	Black Smithy Shop	a) Hand Shearing m/c	1

▪ **Department of Physics**

• **Major equipments/ Facilities in Laboratory:**

Common Balance, Spectrometer

• **List of Experimental setup in Laboratory:**

Semester	Experimental Setup
1 st sem	<ul style="list-style-type: none"> • Slide calliper • Screw gauge • Spherometer • Hydrostatic Balance • Common Balance

	<ul style="list-style-type: none"> • Pendulum • Resonance Column Apparatus • Calorimeter
2 nd sem	<ul style="list-style-type: none"> • Bar Magnet • Prism • Glass Slab • Optical Bench • Convex lens, Concave lens • Ohm's Law Apparatus • Meterbridge • Potentiometer • Transistor (P-N-P, N-P-N) • Characteristic of P-N Junction • Characteristic of Valve (Diode & Triode) • Microscope

▪ **Department of Chemistry**

- **Major equipments/facilities in laboratory:** Electronic Balance, Ph Digital Meter, Distilled Water Plant (Double), Water De-ioniser, Calorimeter.
- **List of Experimental setup in Laboratory:**
 - a) Working table for 24 students
 - b) Necessary glass Apparatus for Titration & Salt Analysis
 - c) One LPG Gas Connection

▪ **Department of English (Language Lab)**

- **Major equipments/ Facilities in Laboratory:**
 - Number of PCs in language lab: 20
 - Internet Bandwidth in Mbps: 32
 - Printers available to student: 15
 - Number of legal system software : 3
 - Number of legal Application software: 20

Computing Facilities

- Internet Bandwidth: 232 mbps
- Number and configuration of System: 100
- Total number of system connected by LAN: 100
- Total number of system connected by WAN:
- Major software packages available: Sole, Windows, AutoCAD 2010, MS Office
- Special purpose facilities available: Online Examination facilities

Innovation Cell: Yes, the innovation cell committee is formed and uploaded in the website.

Social Media Cell: NA

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

Facilities Available

- **Games and Sports Facilities:** Every year there is an institute week held where different types of sports, literature and cultural activities are held both for girls and boys in the institute campus. Cultural rally is organized depicting different cultures of the society and burning problems faced by the society.
- **Extra-Curricular activities:**
 - A wall magazine competition among all departments is held.
 - Flood relief camps are organized by the students in nearby affected areas.
 - Blood donation camps are arranged in the Institute.
 - Every year Biswakarma Puja and Saraswati Puja and Milad are celebrated with great devotion. All national holidays are observed with a lot of keenness.

- **Soft Skill Development Facilities:** Soft Skill development classes are held for students every year.

Teaching Learning Process

- **Curricula and syllabus for each of the programmes as approved by SCTE, Assam:** Curricula followed is framed and reviewed regularly by State Council for Technical Education, Assam.
- **Academic Calendar of the Council:** Academic calendar is followed as set by Directorate of Technical Education, Assam.
- **Academic Time Table with the name of the Faculty members handling the Course:** Uploaded in the website.
- **Teaching load of each Faculty:** will be uploaded soon.
- **Internal Continuous Evaluation System and place:** Yes, within the Institute.
- **Student's assessment of Faculty, System in place:** Feedback of each faculty as well as of the institute is collected from students at the end of each semester, twice in a year.

15. List of Research Projects /Consultancy Works

- Number of Projects carried out, funding agency, Grant received:
- Industry Linkage: Industrial visits are organized for students; Students are exposed to industrial environment through internship.
- MOUs with Industries (minimum three):

Sl. No.	MOUs with SILCHAR POLYTECHNIC, SILCHAR	MOU Title
1.	Classic Automobiles, Sonai Road, Silchar	To conduct Vocational Education Programme. Contact Person: Choses Makhia General Manager

2.	Shree Gautam Construction Company Ltd., Sonai Road, Silchar	To provide Industrial visit and training for students Contact Person: Dr. Binod Singhi Director
3.	M/s- Star Cement Ltd., lumshnong, East Jaintia Hills, Meghalaya.	To conduct Vocational Education Programme. Contact Person: Jyoti Sworooop Agarwal President (S&M)

4.	Assam Power Distribution Co. Ltd (APDCL), , Silchar Zone	To provide Industrial visit. Contact Person: General Manager, APDCL, Silchar Zone
5.	Jain Udyog, Silchar	To provide skill development Practical Training to the students Contact Person: Rajib Adhikari, Works Manager.
6	M/s- Buildwell Concretex, Kathal Road, Silchar	To provide Industrial visit. Contact Person: Ravinder Gulgulia,

16. LOA and subsequent EOA till the current Academic Year: Available in the website.



EOA Report
21-22.PDF

17. Accounted audited statement for the last three years: As a Government Institution, all expenditures are subject to scrutiny by Government Audit time to time.

18. Best Practices adopted, if any: