



Government of West Bengal
Alipurduar Government Engineering and Management College
Chepani, P.O. Bakla School Danga, Alipurduar-II, West Bengal, Pin - 736206
Website: www.agemc.ac.in

Mandatory Disclosures

2025-2026

1. Name of the Institution

Alipurduar Government Engineering and Management College, Vill - Chepani, P.O. Bakla School Danga, Alipurduar-II, West Bengal – 736206, EMail - aicagemc@gmail.com

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

Government College under Higher Education Department, Govt. of W.B.

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

Dr. Sourish Sanyal(Officer-in-charge), Vill - Chepani, P.O. Bakla School Danga, Alipurduar-II, West Bengal – 736206, EMail - aicagemc@gmail.com

4. Name of the affiliating University

Maulana Abul Kalam Azad University of Technology (MAKAUT)

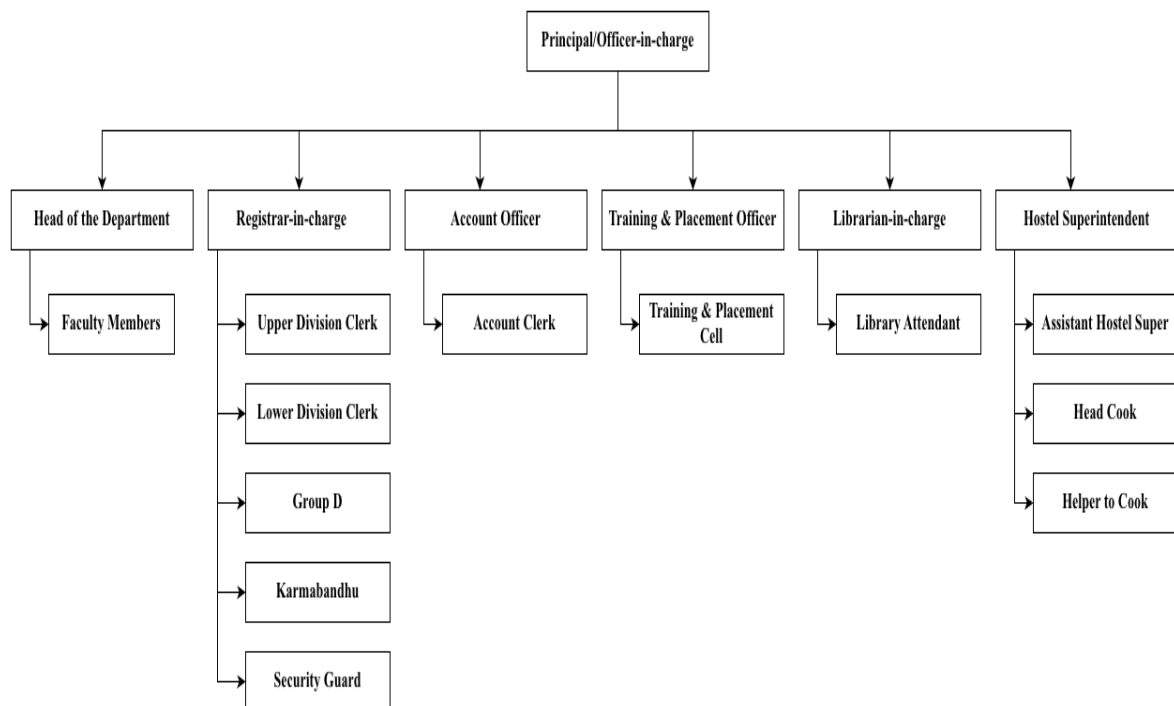
5. Governance

5.0. Faculty Council

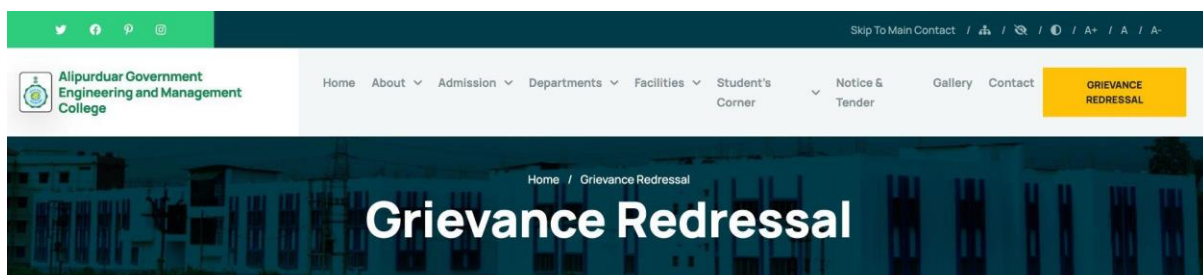
Chairman	Secretary	Members	Activities
Principal/Officer-in-charge	Dr. Dhiman Mondal, Faculty, CSE	All Professors, Associate Professors, Assistant Professors and Principal/Officer-in-charge	As per AICTE requirements and in accordance with G.O. No. 418-Edn(T)/10M-25/2005 dated 11/07/2005, functions and duties of every Faculty Council shall be to advise the Principal of the College concerned on all academic matters including Students' Welfare and Discipline, arrangement of time-table, conduct of examinations (including University examinations), improvement of the library, laboratories, workshops and teaching facilities in the College. The Principal shall normally act in accordance with the decisions arrived at in the meetings of the Faculty

			<p>Council. If however, the Principal is unable to concur with a decision taken by the Faculty Council, he shall formally ask the Faculty Council, to reconsider its decision. The Resolution, if again passed by the majority of the total number of members of the Faculty Council in a meeting of the Faculty Council called specially for reconsideration of its earlier decision, shall be referred by the Principal to the Director of Technical Education for his/her decision.</p>
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5.1. Organizational chart



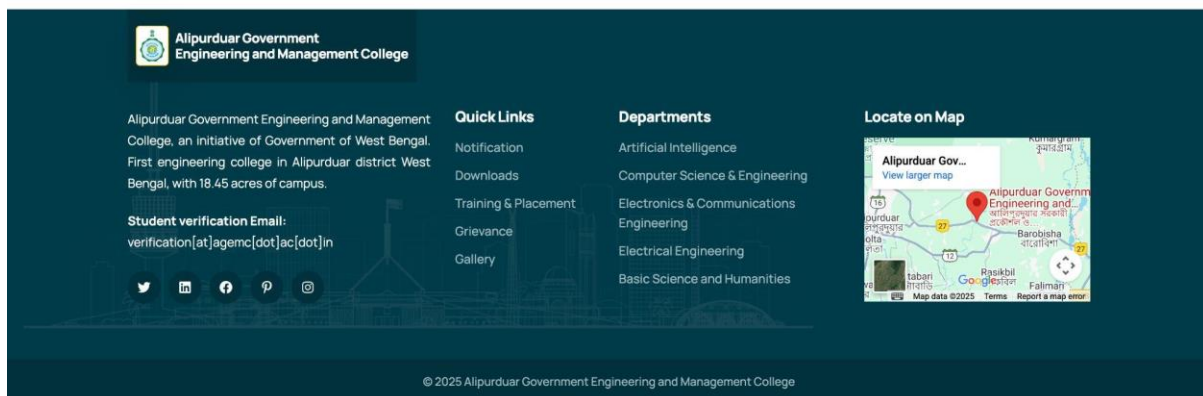
5.2. Grievance Redressal mechanism for Faculty, staff and students



WRITE YOUR GRIEVANCE

Your Voice Matters: Share Your Concerns

Your name	Email address
Phone number	Subject
Write a message	
Send Grievance	



5.3. Establishment of Anti Ragging Committee

Name	Designation
Dr. Sourish Sanyal	Chairman, Principal in charge, AGEMC
Md. Tasinul Hoque	Registrar in charge, AGEMC
Shri Biswajit De	Sub Inspector and OC, Civil and police administration
Dr. Ursashi Roy	Assistant professor in Mathematics, AGEMC
Dr. Dilip Kumar Das	Convener, Associate Professor in Economics, AGEMC
Dr. Arijit Dutta	Member, Assistant Professor in ME, AGEMC
Dr. Subhas Chandra Maity	Member, Professor in Chemistry, AGEMC
Mr. Moley Ghosh	Member, LDA, AGEMC
Mr. Aminur Islam	Member, AGEMC
Mr. Surojit Barman	Member, AGEMC
Nazma Banu	Parent Representatives
Subrata Paul	Parent Representatives
Shreyasi Das	Student Representatives
Saikat Mondal	Student Representatives

5.4. Details of Grievance Redressal Committee in the Institution

Name	Designation
Dr. Sourish Sanyal	Chairman, Principal in charge, AGEMC
Md. Tasinul Hoque	Registrar in charge, AGEMC
Dr. Dilip Kumar Das	Member, Associate Professor in Economics, AGEMC
Dr. Partha Sarathi Debnath	Member, Associate Professor in Physics, AGEMC
Dr. Samit Pramanik	Member, Assistant Professor in Chemistry, AGEMC

5.5. Establishment of Internal Committee (IC)

Name	Designation
Dr. Ursashi Roy	Chairman, Assistant professor in Mathematics, AGEMC
Dr. Subhas Chandra Maity	Member, Professor in Chemistry, AGEMC
Dr. Arijit Dutta	Member, Assistant Professor in ME, AGEMC
Mr. Sajal Basak	Member, Assistant Professor in Physics, AGEMC
Mrs. Tanusree Chakraborty	Secretary, Prashika Rural Development Organization
Mr. Moloy Ghosh	Member, LDA, AGEMC
Mr. Subrata Mandal	Member, LDA, AGEMC
Rahul Bag	Student, AGEMC
Srishna Duary	Student, AGEMC
Teasha Chowdhury	Student, AGEMC

5.6. Establishment of Committee for SC/ST

Name	Designation
Md. Tasinul Hoque	Coordinator, Registrar in charge, AGEMC
Mr. Sagun Tudu	Assistant Professor in CSE, AGEMC
Dr. Amarjit Tamang	Assistant Professor in Mathematics, AGEMC
Mr. Sauren Sarkar	Assistant Professor in ECE, AGEMC
Mr. Mirwaiz Rahaman	Assistant Professor in ECE, AGEMC

5.7. Internal Quality Assurance Cell

Name	Designation
Dr. Bikash Patel	IQAC Coordinator, Assistant Professor in EE, AGEMC
Dr. Sourish Sanyal	Chairperson, Principal in charge, AGEMC
Dr. Dilip Kumar Das	Senior Member, Associate Professor in Economics, AGEMC
Dr. Subhas Chandra Maity	Senior Member, Associate Professor in Chemistry, AGEMC
Dr. Arijit Dutta	Senior Member, Assistant Professor in ME, AGEMC
Mr. Mirwaiz Rahaman	Senior Member, Assistant Professor in ECE, AGEMC
Dr. Goutam Das	External Member, Professor of ECE, Cooch Behar Government Engineering College
Dr. Raju Basak External	Member, Associate Professor of EE, Techno University

6. Programmes

Name of the Course	Number of seats	Course Duration	Cut off Rank of admission (2025-2026)	
ARTIFICIAL INTELLIGENCE (AI)	38	4 Years	OPEN	14144
			SC	27103
			ST	93426
			OBC-A	19205
			OBC-B	19568
			EWS	33458
			TFW	9037
COMPUTER SCIENCE AND ENGINEERING	38	4 Years	OPEN	12699
			SC	24143
			ST	72787
			OBC-A	21872
			OBC-B	NA
			EWS	27484
			TFW	6313
ELECTRONICS AND	76	4 Years	OPEN	19132

COMMUNICATION ENGINEERING			SC	31985
			ST	69673
			OBC-A	21730
			OBC-B	20978
			EWS	42091
			TFW	16623
ELECTRICAL ENGINEERING	76	4 Years	OPEN	22978
			SC	33883
			ST	76922
			OBC-A	33573
			OBC-B	26299
			EWS	52365
			TFW	17844

7. Fee (as approved by the state government)

FEES STRUCTURE for 1st semester (New Admission)		
Academic Fee	CSE, ECE & AI	EE
Admission Fee (one time)	Rs. 1,000/-	Rs. 500/-
Tuition Fee (1 st Semester) **	Rs. 6,000/-	Rs. 3,000/-
University Development Fee (one time) (May change by the order of MAKAUT)	Rs. 2,200/-	Rs. 2,200/-
University Registration Fee (one time) (May change by the order of MAKAUT)	Rs. 500/-	Rs. 500/-
Caution Money Deposit (refundable) (one time)	Rs. 500/-	Rs. 500/-
Identity Card & Library Card (one time)	Rs. 150/-	Rs. 150/-
First Aid fee (one time)	Rs. 50/-	Rs. 50/-
Athletic Fee (one time)	Rs. 300/-	Rs. 300/-
Student's insurance Fee (one time)	Rs. 600 /-	Rs. 600 /-
Fees Book per book	Rs. 50/-	Rs. 50/-

Library Caution Deposit (refundable) (one time)	Rs. 2,500/-	Rs. 2,500/-
Total	Rs. 13850/-	Rs. 10350/-

**** Students admitted in TFW category need not pay Tuition Fees**

FEES STRUCTURE for 2nd, 3rd, 4th, 5th, 6th, 7th & 8th semester		
Academic Fee	CSE, ECE & AI	EE
Tuition Fee (1 st Semester) **	Rs. 6,000/-	Rs. 3,000/-
Total	Rs. 6000/-	Rs. 3000/-

**** Students admitted in TFW category need not pay Tuition Fees**

HOSTEL FEES STRUCTURE for 1st semester (New Admission)	
Hostel Fee	CSE, ECE, AI & EE
Mess Entry Fee (One time)	Rs. 300/-
Hostel Development Fund (One time)	Rs. 1200/-
Hostel Office charges (One time)	Rs. 800/-
Hostel Seat Rent (per semester)	Rs. 1200/-
Electricity charges (per semester)	Rs. 300/-
Hostel Caution Money(Refundable) (One time at the time of admission to hostel)	Rs. 2500/-
Mess Advance Fee (per semester) (approx.)	Rs. 10000/-
Total	Rs. 16300/-

HOSTEL FEES STRUCTURE for 2nd, 3rd, 4th, 5th, 6th, 7th & 8th semester	
Hostel Fee	CSE, ECE, AI & EE
Hostel Seat Rent (per semester)	Rs. 1200/-

Electricity charges (per semester)	Rs. 300/-
Mess Advance Fee (per semester) (approx.)	Rs. 10000/-
Total	Rs. 11500/-

8. Faculty

Sl. No.	Name	Designation	Department	Date of joining AGE MC	Total Teaching Experience	Highest Qualification	Email ID
1	Dilip Kumar Das	Associate Professor	Basic Science & Humanities	14.07.2023	28	PhD	dilipabnsc@gmail.com
2	Subhas Chandra Maity	Associate Professor	Basic Science & Humanities	04.09.2023	20	PhD	subhaschandramaity71@gmail.com
3	Arijit Dutta	Assistant Professor	Basic Science & Humanities	16.08.2023	20	PhD	arijtdut@gmail.com
4	Partha Sarathi Debnath	Associate Professor	Basic Science & Humanities	10.01.2025	16	PhD	parthasarathi6.debnath@gmail.com
5	Sajal Basak	Assistant Professor	Basic Science & Humanities	16.06.2023	10	M.Sc.	sajalbasak11@gmail.com
6	Amarjit Tamang	Assistant Professor	Basic Science & Humanities	16.06.2023	8	PhD	amarjit.tamang@bs.agemc.ac.in
7	Samit Pramanik	Assistant Professor	Basic Science & Humanities	31.12.2024	-	PhD	samit.chemistry94@gmail.com
8	Ursashi Roy	Assistant Professor	Basic Science & Humanities	12.06.2025	-	PhD	royursashi@gmail.com
9	Sourav Banerjee	Assistant Professor	Computer Science & Engineering	09.10.2025	20	PhD	sourav.banerjee@cse.agemc.ac.in
10	Dhiman Mondal	Assistant Professor	Computer Science & Engineering	02.12.2024	19	PhD	dhiman.mondal@cse.agemc.ac.in
11	Dibyendu Barman	Assistant Professor	Computer Science & Engineering	01.12.2025	18	PhD	dibyendu.barman@gmail.com
12	Sagun Tudu	Assistant Professor	Computer Science & Engineering	10.05.2023	3	M.Tech	sagun.tudu@cse.agemc.ac.in

13	Parthasarathi Bera	Associate Professor	Electrical Engineering	06.11.2025	20	PhD	partha.bera@ee.agemc.ac.in
14	Bikash Patel	Assistant Professor	Electrical Engineering	16.08.2023	18	PhD	biks.ee@gmail.com
15	Tapan Santra	Assistant Professor	Electrical Engineering	06.11.2025	18	PhD	tapan.santra@ee.agemc.ac.in
16	Md Tasinul Hoque	Assistant Professor	Electrical Engineering	08.07.2024	3	M.Tech	tasinul.hoque@ee.agemc.ac.in
17	Sauren Sarkar	Assistant Professor	Electronics & Communication Engineering	18.07.2024	14	M.Tech	sauren.sarkar@gmail.com
18	Mirwaiz Rahaman	Assistant Professor	Electronics & Communication Engineering	01.08.2023	7	M.Tech	mirece2018@gmail.com
19	Nawaj Sarif	Assistant Professor	Electronics & Communication Engineering	02.08.2024	1	M.Tech	sarifnawaj1995@gmail.com

Department	Permanent Faculty	Faculty on temporary basis	Permanent Faculty: Student Ratio
ARTIFICIAL INTELLIGENCE (AI)	3	0	1:33
COMPUTER SCIENCE AND ENGINEERING	4	1	1:25
ELECTRONICS AND COMMUNICATION ENGINEERING	4	0	1:49
ELECTRICAL ENGINEERING	4	0	1:43
BASIC SCIENCES & HUMANITIES	8	2	NA

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

Name : Dr. Sourish Sanyal

Date of Birth : 25.12.1976

Unique ID : 1-3571517503

Education Qualifications : Ph.D.[Engg.], MBA(Finance)

Work Experience : 22 Years

Teaching/ Research/ Industry/ Others : 22 Years

Area of Specialization : Robotics and Soft Computing

Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level : Many papers of undergraduate and Postgraduate level

Research guidance (Number of Students) : 02 (completed), 01 (ongoing)

No. of papers published in National/International Journals/Conferences : More than 150

Master (Completed/Ongoing) : Completed

Ph.D. (Completed/Ongoing) : Completed

Projects Carried out : Nil

Patents (Filed & Granted) : Nil

Technology Transfer : Nil

Research Publications (No. of papers published in National/International Journals/Conferences) : More than 150

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

10. Fee

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

Sl. No.	Year	Number of Students	Amount	Names
1	1 st Year	6	Rs. 3000 (for EE Dept) Rs. 6000 (for CSE, AI and ECE Dept)	1.Raj Nag 2.Banhika Dey 3.Rajat Jana 4.Soumyadeep Jana 5.Subhajit Maji 6.Rounak Dutta
2	2 nd Year	8	Rs. 3000 (for EE Dept) Rs. 6000 (for CSE, AI and ECE Dept)	1.Anjamul Islam 2.Asif Iqbal Gazi 3.Soumya Kumar Nandi 4.Alamin Sarder 5.Rudra Kanta Nayek 6.Riya Maji 7.Anik Samanta 8.Sanjib Nandi
3	3 rd Year	8	Rs. 3000 (for EE Dept) Rs. 6000 (for CSE, AI and ECE Dept)	1.Soumyajit Banik 2.Manik Jana 3.Anurag Chanda 4.Anurup Mandal 5.Arnabi Roy 6.Ayan Maity 7.Bishal Prasad Gupta 8.Sourabh Maity

10.2) Number of scholarship offered by the Institution, duration and amount

Scholarship	Duration	Amount
SVMCM	1Year	600000
AIKYASHREE	1Year	60000
Nabanna	1Year	50000
OASIS	1Year	7500 (Non-Residential) 13000(Residential)

11. Admission

1st YEAR								
	AI		CSE		EE		ECE	
Category	Male	Female	Male	Female	Male	Female	Male	Female
General	14	2	11	4	27	7	27	7
Obc A	3	0	4	0	8	0	8	0
Obc B	2	1	3	0	3	2	3	2
SC	6	1	6	2	12	4	12	4
ST	0	0	2	0	1	0	1	0
TFW	1	0	0	0	1	1	1	1
PH	0	0	0	0	0	0	0	0
2nd YEAR								
	AI		CSE		EE		ECE	
Category	Male	Female	Male	Female	Male	Female	Male	Female
General	16	3	14	1	28	7	34	3
Obc A	4	0	2	1	5	1	6	0
Obc B	1	1	1	1	4	1	5	0
SC	6	1	6	1	12	3	14	2
ST	1	0	1	1	0	0	1	0
TFW	1	0	0	0	2	1	3	0
PH	1	0	0	0	0	0	0	0
3rd YEAR								
	AI		CSE		EE		ECE	
Category	Male	Female	Male	Female	Male	Female	Male	Female

General	12	2	6	6	13	6	17	7
Obc A	1	0	5	0	7	2	5	3
Obc B	3	1	3	0	6	1	3	1
SC	6	2	7	0	8	2	11	2
ST	1	0	1	1	1	0	1	0
TFW	1	0	1	0	3	0	2	1
PH	0	0	1	0	0	0	0	0
3rd YEAR - Lateral								
	AI		CSE		EE		ECE	
Category	Male	Female	Male	Female	Male	Female	Male	Female
General	3	1	3	0	8	1	7	2
Obc A	0	0	0	0	2	0	0	0
Obc B	0	0	0	0	3	0	2	0
SC	1	0	1	0	4	2	2	3
ST	0	0	0	0	1	0	1	0
TFW	0	0	0	0	0	0	0	0
PH	0	0	0	0	0	0	0	0

12. Admission Procedure

Examination Name : WBJEE

Website : <https://wbjeeb.nic.in/wbjee/>

Address : RUPANNA, DB118, Sector-I, Salt Lake, Kolkata-700064

SCHEDULE OF COUNSELLING FOR WBJEE-2025 : As per guidelines of West Bengal Joint Entrance Examination Board (WBEEB) and Govt. of West Bengal.

13. Criteria and Weightages for Admission

All done by WBJEE

Website : <https://wbjeeb.nic.in/wbjee/>

14. List of Applicants: NA

15. Results of Admission Under Management seats/Vacant seats: NA

16. Information of Infrastructure and Other Resources Available:

16.1) Number of classrooms and their floor areas (in sq.m) are:

68, 67.26, 68, 68.15, 68, 67.56, 67.56, 67.56, 64.96.

16.2) Number of Tutorial rooms and their floor areas (in sq.m) are:

33.34, 33.34, 33.34.

16.3) Number of Laboratories and their floor areas (in sq.m) are:

67.26, 68, 68.15, 67.56, 67.56, 67.56, 70.79, 70.79, 69.76, 69.91, 62.42, 65.95, 66.65, 73.82, 75.51, 70.79, 70.79, 67.26, 69.76, 69.91, 62.42, 62.28, 63.14, 64.86, 65.95, 66.65, 73.82, 75.51.

16.4) Number of Computer Centres with capacity of each: 1 (Capacity: 50)

16.5) Central Examination Facility, Number of rooms and capacity of each : 6
(Capacity: 40, As per MAKAUT guideline)

16.6) Online examination facility (Number of Nodes, Internet band width, etc.)
Nodes : 80, Bandwidth : 100 mbps

16.7) Barrier Free Built Environment for disabled and elderly persons :
Available

16.8) Fire and safety certificate : Available.

16.9) Hostel Facilities : 2 Boys'Hostels, 1 Girls' Hostel

16.10) Number of Library books/ e books /Titles / Journals available : 5640

16.11) List of online National/ International Journals subscribed : NA

16.12) National Digital Library (NDL) subscription details :
Membership No : INWBNCVP97CWY9N

16.13) List of Major Equipment/ Facilities in each Laboratory/Workshop:

Sl no	Laboratory/Workshop	Major Equipment /Facility
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1.	Mechanical Laboratory	Drawing Table, Jack Planner wooden, Mallet, Triangular File, Wire Brush , Vernier Caliper, Micro meter, Height Gauge, Bench vice, Slip Gauge Set, Marking Gauge Wooden, Wooden box, Turning Tool for Lathe Machine, Boring Tool, Nose Plier, Plier, Screw Driver Set, Claw Hammer 500gm, Ball Peen Hammer, Bevel Chisel, Hand Drill, Oil Stone, Chipping Hammer, Electrode Rod, Anvil, Forging Furnace , Moulding Sand, Digital Vernier Caliper, Lathe Machines Medium, Shaping Machines, Universal Milling Machines, Radial Drill Machine, Drill Machine, Hammer Drill, Engineering Drawing Board, Milling Cutter, Drill Bit, Hack Saw, Chisal, Flatfile, Spring Calipers, Dot Punch, Tap and Die set, Try Square, Sliding Wrench, Saw, Welding Shield, Wooden Split Pattern, Soldering Iron, Seriber, Jack Planner Metal, Solder and Flux
2.	Physics Laboratory	Young Modulus By Bending Beam, Spectrometer Prism, Numerical Aperture of Optical Fiber, Lee's Method, Hall Effect Setup, Dielectric Constant Apparatus, Soldering Iron, Diode Laser, Searle's Method, Electron Spin Resonance Experiment Model,
3	Chemistry Laboratory	Reagent Bottle, Beaker 100ml Borosil, Beaker 250ml Borosil, Beaker 500ml Borosil, Beaker 2000ml Borosil, Conical Flask, Flask 100ml Borosil, Flask 250ml Borosil, Pipette volumetrical, Measuring cylinder, Measuring cylinder, Potassium Permanganate, Potassium Oxalate, Wash Bottle, Sodium Carbonate, Phenolphthalein Indicator, Oxalic Acid, Ammonium Ferrous Sulphate, Ammonium Chloride, Zinc Acetate, Diethylamine, Digital Handheld ph Meter, Stop Watch, Reagent Bottle with Stopper, Pipettes, Methanol, Potassium Iodide, Burette, Digital TDS Meter, Glass Funnel, Weighing Bottle, Burette Stand Iron, Hydrochloric Acid, Shaker Mechanical, Healing Mental, Glass Rod, Spirit Lamp, Burn Pump Spray, Blood clotting spray, Specific Gravity Bottle, Spatula, Refrigerator, Conductivity Cell, Poly lab, Nitric Acid, Ammonia Solution, Potassium Dichromate, Buffer solution, Viscometer, Calomel Electrode, Buffer Tablet, Starch Soluble
4.	EE Laboratory	Determination Torque, Non contact type Techometer, Demonstration of cut out sections of machines, Open circuit test, Determination of Steady State Response of Rl, Demonstration of 3 ph Transformer, Measurement of Power in A 3 ph, Determination of Torque Speed characteristics, Determination of Operating Characterising of System, Digital Storage Oscilloscope, LT Switchgear, Determination of Steady State and Transient Response of RL, RC, and RLC Circuit to a Step Change in Voltage, LCR Meter, Generator Protection Simulation Study, Oil Testing Kit, Sc Triggering Kit, Dso 100Mhz, Load Test Apparatus, Cro 20Mhz, Anderson Bridge, Digital Multimeter, Stud of

		the Equivalent Circuit of a Single Phase Transformer, Study of the Performance of 3 Phase Squirrel, Measurement of power set using CT and PT, Simulation of DC, Measurement of Earth Resistance, Determination of Dielectric..Oil, Study of Characteristics..Relay, Motor Protection Simulation Study, Led Matrix Display Interface, Determination of the Generalized line, Study of DC Generator, Study of DC motor, V curve of Synchronous motor, Lab Portable meters, DC Santy bridge for measurement of capacitance, Universal Circuit Development Platform, Transformer Protection, Different Transformer, Determination of regulation, To determine the Direct Axis, Parallel Operation, Different Parameter, Active and reactive, Test to find out polarity, DC Position Control, Single Phase full Converter
5.	ECE Laboratory	Digital Signal Processing Platform with all Accessories, VLS Trainer Kit, Automatic Antenna Measurement System, Digital Storage Oscilloscope, Digital Controller Pc Based, Design and Study of instrumentation amplifier, Spectrum analyser, Function Generator, DC Power supply, Digital Multi meter, LCR meter, Wire stripper cum cutter, Capacitor, Soldering flux, Soldering Lead, Transmission line trainer, Antenna Trainer, PCM mode, Line coding and decoding kit, PSK mod d mod trainer, QPSK/DQPSK modulation kit, QPSK/DQPSK de modulation kit, Universal circuit dev. Platform, semi-conductor, Characteristic of transistor, BJT biasing, Opto electronics, digital IC trainer, D to A and A to D, PLLAPP circuit trainer, Web shaping circuit, Rectifier experimental board, CE-CB-CC Amplifier, Regulated Power, Wein Bridge, Characteristic of FET, JFET-MOSFET Amplifier trainer, 555 Application, OPAMP application, SMPS trainer, IC Tester, 8085 Micro Processor, Digital Input and Output, 5*4 keys matrix, 80851 Micro controller, AM transmitter kit, AM receiver kit, FM transmitter and receiver kit, Single Stand Flexible wire, Voltage regulator, IC Bases, PAM modulation, ROSES control simulator, DC survey model controller

16.14) List of Experimental Setup in each Laboratory/ Workshop

<i>EE Laboratory Experiments</i>	
Electric Circuit Theory Laboratory	
1	Universal (Analog cum Digital) Circuit development platform
2	Network Theorems Trainer kit
3	Decade inductance box
4	Decade condenser Box

5	Components for circuit making
6	IC 741
7	Capacitor: 0.001 uF, 0.01 uF, 0.1 uF, 1 uF and 10uF
8	Inductor: 0.1 mH, 1 mH and 10 mH
9	Resistor 0.25 watts: 50 Ω , 100 Ω , 200 Ω , 480 Ω , 1k Ω , 2k Ω , 5k Ω , 10k Ω , 20k Ω , 100k Ω
10	Resistor 0.5 watts: 50 Ω , 100 Ω , 200 Ω , 480 Ω , 1k Ω , 2k Ω , 5k Ω , 10k Ω , 20k Ω , 100k Ω
11	Test & Measuring Equipment for circuit Theory Laboratory
12	Digital Storage Oscilloscope
13	Digital Multimeter
14	LCR Meter
ELECTRIC MACHINE (Machine I + Machine II) LABORATORY	
1	Study of the characteristics of a separately excited D.C generator
2	Study of methods of speed control of DC motor
3	Study of the characteristics of a compound D.C generator (short shunt)
4	Measurement of the speed of a D.C series motor as a function of load torque
5	Study of the equivalent circuit of a single-phase transformer
6	Different transformer Connections
7	Study of the performance of three-phase Squirrel-Cage induction Motor- Determination of Iron-Loss, Friction & Windage Losses
8	Different method of starting of 3-Phase Sq. cage induction motor & their comparison (DOL starter, Star-Delta Starter, Auto transformer Starter)
9	Speed control of 3-Phase Sq. cage Induction motor by Different methods & their comparison (Voltage control and Voltage / Frequency control)
10	Speed control of three phase slip ring Induction motor by rotor resistance control
11	Determination of regulation of synchronous machine by (i) Poitier reactance method and (ii) Synchronous Impedance method
12	Determination of equivalent circuit parameters of a single phase Induction motor
13	Load test on single phase Induction motor to obtain the performance characteristics
14	To determine the Direct axis reactance (X_d) & Quadrature axis reactance (X_q) of three phase synchronous machine by slip test
15	Load test on wound rotor Induction motor to obtain the performance characteristics
16	To study the performance of Induction generator
17	V-curve of Synchronous motor

18	Parallel operation of 3 phase Synchronous generators
19	Test & Measuring Equipment for Machine Laboratory
20	Digital Multimeter
21	Laboratory Portable Meters
22	UPF Wattmeter 0-150-300-600 V, 5/10 A
23	UPF wattmeter 0-150-600V, 2.5/5A
24	MI ammeter 0-0.5-1 A
25	MI ammeter 0-1-2 A
26	MI ammeter 2.5-5-10 A
27	MI Voltmeter 0-300-600V
28	MI Voltmeter 0-150-300 V
29	Digital Tachometer for measuring speed of rotating machines
ELECTRICAL & ELECTRONICS MEASUREMENT LABORATORY	
1	Kit for constructional study of 4 types of meter, CRO & DMM
2	Calibration of PMMC& MI types Instruments set
3	Calibration of dynamometer type wattmeter set
4	Calibration of single phase AC energy meter set
5	Measurement of power set using CT & PT
6	Kelvin double bridge for measurement of resistance from 0.02Ω to 11Ω with accuracy $\pm 0.05\%$
7	Wien bridge for measurement of unknown frequency
8	Anderson bridge for measurement of inductance
9	Schering bridge for measurement of capacitance
10	De Sauty bridge for measurement of capacitance
11	Laboratory Portable Meters
12	UPF wattmeter 0-150-600V, 5/10 A
13	MI ammeter 0-0.5-1 A
14	MI ammeter 0-1-2 A
15	MI Voltmeter 0-150-300 V
16	0-250mA Moving Coil DC Ammeter
17	Variac
18	Rheostat
19	Test & Measuring Equipment for Electrical & Electronics Measurement Laboratory

20	Digital Storage Oscilloscope
21	Digital Multimeter
22	LCR Meter
23	Laboratory Portable Meters
24	UPF wattmeter 0-150-600V, 5/10 A
25	MI ammeter 0-0.5-1 A
26	MI ammeter 0-1-2 A
27	MI Voltmeter 0-150-300 V
28	0-250mA Moving Coil DC Ammeter
Power System Laboratory	
1	Determination of the generalized constants A,B, C, D of long transmission line.
2	Simulation of DC distribution by network analyzer.
3	Measurement of earth resistance by earth tester.
4	Determination of dielectric strength of insulating oil.
5	Determination of breakdown strength of solid insulating material.
6	Different parameter calculation by power circle diagram.
7	Active and reactive power control of alternator.
8	Determination of dielectric constant, tan delta, resistivity of transformer oil
9	Study of different types of insulators
10	Study of the characteristics of on load time delay relay and off load time delay relay.
11	Test to find out polarity, ratio and magnetization characteristics of CT and PT.
12	Test to find out characteristics of (a) under voltage relay (b) earth fault relay.
13	Different characteristics of over-current Relay
14	Transformer Protection Simulation Study
15	Motor Protection Simulation Study
16	Generator Protection Simulation Study
Control System Laboratory	
1	Compensation (Lead, Lag, Lead-Lag compensators) Design Trainer
2	Linear System Simulator Trainer
3	PI, PD, PID Controller Simulator Trainer
4	DC Position Control Trainer

5	Test & Measuring Equipment for Control System Laboratory
6	Digital Storage Oscilloscope
7	Digital Multimeter
Power Electronics Laboratory	
1	SCR, TRIAC, DIAC Characteristics Trainer
2	Study of Different Triggering circuits for SCR.
3	Firing circuits of SCR
4	Single Phase Full Converter Trainer
5	DC - DC Buck – Boost Converter Trainer kit
6	IGBT Based Single Phase Inverter
7	Study of speed control of Universal Motor
8	Test & Measuring Equipment for Power Electronics Laboratory
9	Digital Storage Oscilloscope
10	Digital Multimeter
Micro Processor and Micro Controller Laboratory	
1	8086 Microprocessor Training Kit
2	Stepper Motor Driver Card & Motor + FRC
3	8051 Microcontroller Training Kit
4	8251 USART Study Card + FRC + Serial Cable
5	16x2 LCD Interface + FRC
6	8 X 8 Led Matrix Display Interface
7	8257 DMA Study Card + FRC
8	Test & Measuring Equipment for Micro Processor and Micro Controller Laboratory
9	Digital Storage Oscilloscope
10	Digital Multimeter

<i>ECE Laboratory Experiments</i>	
Electronics Devices Lab	
1	Identifying and study of different components like resistor, capacitors, diodes, LED, Transistors, FET(JFET & MOSFET) etc

2	Study of different instruments used in the laboratories like, power supply, Oscilloscope, Multi meter etc.
3	CHARACTERISTICS OF PN JUNCTION DIODE a) To Plot the Volt Ampere Characteristics of PN Junction Diode under Forward and Reverse Bias Conditions. b) To find the Cut-in voltage, Static Resistance, Dynamic Resistance for Forward Bias & Reverse Bias
4	CHARACTERISTICS OF ZENER DIODE & LOAD REGULATION a) To Obtain the Forward Bias and Reverse Bias characteristics of a Zener diode. b) Find out the Zener Break down Voltage from the Characteristics. c) To Obtain the Load Regulation Characteristics.
5	COMMON BASE BIPOLAR TRANSISTOR CHARACTERISTICS a) To plot the Input and Output characteristics of a transistor connected in Common Base Configuration and to find the h – parameters from the characteristics.
6	COMMON EMITTER BIPOLAR TRANSISTOR CHARACTERISTICS a) To plot the Input and Output characteristics of a transistor connected in Common Emitter Configuration and to find the h – parameters from the characteristics
7	JFET DRAIN & TRANSFER CHARACTERISTICS (COMMON SOURCE) a) Drain characteristics b) Transfer Characteristics. c) To find rd, gm, and μ from the characteristics.
8	Study Characteristics of LED & LDR
Digital System Design Lab	
1	Introduction to Digital Electronics Lab- Nomenclature of Digital Ics, Specifications, Study of the Data Sheet, Concept of Vcc and Ground, Verification of the Truth Tables of Logic Gates using TTL ICs.
2	Implementation of the Given Boolean Function using Logic Gates in Both Sop and Pos Forms.
3	Verification of State Tables of Rs, J-k, T and D Flip-Flops using NAND & NOR Gates
4	Implementation and Verification of Decoder/De-Multiplexer and Encoder using Logic Gates.
5	Implementation of 4x1 Multiplexer using Logic Gates.
6	Implementation of 4-Bit Parallel Adder Using 7483 IC.
7	Design, and Verify the 4-Bit Asynchronous Counter.
Analog Communication Lab	
1	Measurement of modulation index of an AM signal.
2	Measurement of output power with varying modulation index an AM signal(for both DSB- & SSB).
3	Measurement of distortion of the demodulated output with varying modulation index of an AM signal (for both DSB-SC & SSB).

4	Measurement of power of different frequency components of a frequency modulated signal & the measurement of the bandwidth. 5. Design and set up a PLL using VCO & to measure the lock frequency.
5	Design and set up a FM demodulator using PLL.
6	Measurement of selectivity, sensitivity, fidelity of a superheterodyne receiver.
Analog Electronic Circuits Lab	
1	Conduct experiment to test diode clipping (single/double ended) and clamping circuits (positive/negative).
2	Design and set up the following rectifiers with and without filters and to determine ripple factor and rectifier efficiency: (a). Full Wave Rectifier (b). Bridge Rectifier
3	Design and set up the BJT common emitter amplifier using voltage divider bias with and without feedback and determine the gain- bandwidth product from its frequency response.
4	Set-up and study the working of complementary symmetry class B push pull power amplifier and calculate the efficiency
5	Realize BJT Darlington Emitter follower with and without bootstrapping and determine the gain, input and output impedances
6	Conduct an experiment on Series Voltage Regulator using Zener diode and power transistor to determine line and load regulation characteristics.
7	Design and set-up the following tuned oscillator circuits using BJT, and determine the frequency of oscillation. R-C Phase shift Oscillator/Wien Bridge Oscillator
8	Plot the transfer and drain characteristics of n-channel MOSFET and calculate its parameters, namely; drain resistance, mutual conductance and amplification factor.
9	Design, setup and plot the frequency response of Common Source JFET/MOSFET amplifier and obtain the bandwidth.
Microprocessor & Microcontroller Lab	
1	Familiarization with 8085 & 8051 simulator on PC.
2	Study of prewritten programs using basic instruction set (data transfer, Load/Store, Arithmetic, Logical) on the KIT. Assignments based on above
3	Programming using kit and simulator for: i) Table look up ii) iii) iv) v) vi) vii) Copying a block of memory Shifting a block of memory Packing and unpacking of BCD numbers Addition of BCD numbers Binary to ASCII conversion String Matching, Multiplication using shift and add method and Booth's Algorithm
4	Program using subroutine calls and IN/OUT instructions using 8255 PPI on the trainer kit e.g. subroutine for delay, reading switch state and glowing LEDs accordingly.
5	Study of timing diagram of an instruction on oscilloscope.
6	Interfacing of 8255: Keyboard and Multi-digit Display with multiplexing using 8255

7	Study of 8051 Micro controller kit and writing programs as mentioned in S/L3. Write programs to interface of Keyboard, DAC and ADC using the kit.
8	Serial communication between two trainer kits
Electromagnetic Wave Laboratory	
1	Plotting of Standing Wave Pattern along a transmission line when the line is open circuited, short- circuited and terminated by a resistive load at the load end.
2	Input Impedance of a terminated coaxial line using shift in minima technique.
3	Radiation Pattern of dipole antenna.
4	Radiation Pattern of a folded-dipole antenna.
5	Radiation pattern of a 3-element Yagi-Uda Antenna.
6	Beam width, gain and radiation pattern of a 3-element, 5-element and 7-element Yagi-Uda antenna -Comparative study.
7	Radiation pattern, Gain, Directivity of a Pyramidal Horn Antenna.
Digital Communication Laboratory	
1	Study of PAM and demodulation.
2	Study of PCM and demodulation.
3	Study of line coders: polar/unipolar/bipolar NRZ ,RZ and Manchester.
4	Study of BPSK modulator and demodulator.
5	Study of BFSK modulator and demodulator.
6	Study of ASK modulator and demodulator.
7	Study of QPSK modulator and demodulator.
8	Digital Signal Processing Laboratory
Control and Instrumentation Laboratory	
1	Determination of impulse & step response for 2nd order under damped system on CRO & calculation of control system specifications for variation of system design.
2	Design PI, PD and PID controller for specified system requirements.
3	Design and study of Instrumentation Amplifier.
4	Servo motor controller

<i>Physics Laboratory Experiments</i>

Sl. No.	Name of Experiment
1	Determination of dielectric constant of a given dielectric material.
2	Determination of Hall coefficient of a semiconductor by four probe method.
3	Determination of unknown resistance using Carey Foster's bridge.
4	Determination of wavelength of the given laser source by diffraction method.
5	Determination of Lande -g – factor using Electron Spin Resonance Spectrometer.
6	Determination of dispersive power of the material of a prism.
7	Determination of wavelength of a monochromatic light by Newton's ring.
8	Determination of Young's modulus of elasticity of the material of a bar by the method of flexure.
9	Determination of the moment of inertia of a body about an axis passing through the centre of gravity and also the determination of the modulus of rigidity of the material of the suspended wire.
10	Determination of coefficient of viscosity by Poiseulle's capillary flow method.

<i>Chemistry Laboratory Experiments</i>	
Sl. No.	Name of Experiment
1	Conductometric titration for determination of the strength of a given HCl solution by titration against a standard NaOH solution.
2	pH- metric titration for determination of strength of a given HCl solution against a standard NaOH solution.
3	Determination of dissolved oxygen present in a given water sample.
4	Determination of surface tension and viscosity
5	Thin layer chromatography
6	Determination of the rate constant of a reaction
7	Determination of cell constant and conductance of solutions
8	Potentiometry - determination of redox potentials and emfs
9	Saponification/acid value of an oil
10	Chemical analysis of a salt
11	Adsorption of acetic acid by charcoal

<i>ME Laboratory Experiments</i>	
Thermal Power Engineering Laboratory	
1	Study of Cut Models – Boilers IC Engines: Lancashire Boiler, Babcock & Willcox Boiler, Cochran Boiler, Vertical Tubular Boiler, Locomotive Boiler, 4S Diesel Engine, 4S Petrol Engine, 2S Petrol Engine
2	Load Test on 4 Stroke Petrol Engine & Diesel Engine by Electrical Load Box
3	Load Test on 4 Stroke Diesel Engine by Rope Brake Dynamometer
4	Heat Balance on 4 Stroke Diesel Engine by Rope Brake Dynamometer & by Electrical Load Box
5	Valve Timing Diagram on 4S Diesel Engine Model & 4S Petrol Engine Model
6	To find the Calorific Value of Diesel Fuel & Coal by Bomb Calorimeter
7	To find the Flash Point & Fire Point of Petrol & Diesel Fuel
8	To find the Cloud Point & Pour Point of Petrol & Diesel Fuel
9	Measurement of the Quality of Steam – Enthalpy & Dryness fraction
Mechanical Workshop	
1	Typical jobs that may be made in Machine Shop.
2	Typical jobs that may be made in Carpentry Shop.
3	Typical jobs that may be made in Fitting Shop.
4	Demonstration of arc welding work
5	Demonstration of smithy work
6	Familiarization with basic electrical and electronic components
7	Basic wiring practices
8	Basic soldering practices
Engineering Graphics and Computer Aided Design	
1	Lines, lettering and dimensioning
2	Scale
3	Geometrical Construction

4	Curves
5	Projection of lines, surfaces and solids
6	Isometric Projection
7	Development of Surfaces
8	Intersection of Solids
9	Introduction to AUTOCAD

16.15) Innovation Cell: NA

16.16) Social Media Cell : Available

16.17) To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website : Under Process

16.18) Games and Sports facilities: 1 Indoor Playground, 1 Outdoor Playground (Under development)

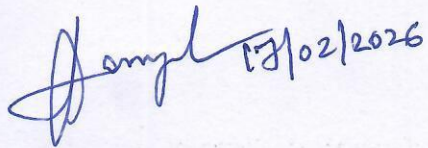
17. Enrolment and placement details of students in the last 3 years

Not Available

18. List of Research Projects/Consultancy Works: NA

19. MOUs with Industries: 1 (Airports Authority of India)

20. AICTE LoA/EoA letters.

 17/02/2026

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