IDEAL INSTITUTE OF ENGINEERING

KALYANI

MANDATORY DISCLOSURE

1. **Name of the Institution**
   Ideal Institute of Engineering (IIE)
   Kalyani Shilpanchal , P.O & PS – Kalyani
   District – Nadia , West Bengal
   Pin Code – 741235
   Contact No :033-25025629 (landline) ;
   Contact Email -Id :principal@iiekalyani.com
   Website :www.iiekalyani.com
2. **Name & Address of the Trust/Society**

   Ideal Science & Research Welfare Hub
   Regd. Office - Lalpur, P.O + P.S. - Chakdaha,
   District - Nadia, West Bengal, Pin Code - 741222.
   Contact No : 033-25828814
   Website : www.isrwh.com

3. Name & Address of the Principal
   Dr.Chiranjib Patra ,
   34,S.N Banerjee Road,
   7-4B Rameswara Riverview, Near Fishery Gate
   Monirampore,Barrackpore,Kolkata
   PIN: 700120

4. Name & Address of the Affiliating University
   Maulana Abul Kalam Azad University of Technology (MAKAUT)
   NH-12, Simhat, Haringhata, Nadia,
   West Bengal 741249,

5. **Governance**

i) Constituent Members of the Governing Body :

Sl No	Name of Member in the BOG	Position held in the current engagement	Position in the BOG	Nominated By
1	Prof. (Dr.) Nirmalendu Chatterjee	Ex-HOD, Dept. of Electrical Engineering, Jadavpur University	Chairman	Registered Trust
2	Dr.Raghupati Goswami	Chairman, ISRWH	Vice Chairman	Registered Trust
3	Mr.Partha Sarathi Hesh	Secretary, ISRWH	Member	Registered Trust
4	Mr. Bratish Sarkar	President, ISRWH	Member	Registered Trust
5	Mr.Subrata Hesh (Ex-Capt , Indian Armed Forces)	Trustee Member	Member	Registered Trust
6	Prof.Madhumita Sarkar	Nominee of the ‘ West Bengal Higher Education Department	Member	Registered Trust
7	Prof. Debasis De	Nominee of the ‘ West Bengal University of Technology	Member	Registered Trust

8	Nominee	Nominated member of AICTE	Member	Registered Trust
9	Dr.Chiranjib Patra	Principal , IIE	Member Secretary	Registered Trust

ii) Constituent Members of the Academic Advisory Council (Governing Council) :

Sl.No	Name	Designation
1	Dr.Raghupati Goswami (Trustee Member)	Chairman
2	Dr Amit Das ,Retd Professor , Dept of Computer Science Engineering , IIEST , Shibpur	Member
3	Dr.Arabinda Das , Professor , Dept of Electrical Engineering , Jadavpur University	Member
4	Dr.Parijat De , Ex-Director , Technical Education and Training , Govt of West Bengal	Member
5	Dr. Chandan Konar, Registrar ,Kazi Najrul University, W.B	Member
6	Dr.Asit Chakravarti , Ex-V.C , BCKV, West Bengal	Member
7	Dr.Chiranjib Patra , Principal	Member Secretary

iii) Constituent Members of the Academic Committee:

Sl.No	**Name & Designation**	**Designation in the Committee**
1	Dr.Chiranjib Patra , Hon'ble Principal	Chairman
2	Dr.Hiranmoy Maity , Professor , Dept Of ECE	Convenor
3	Dr.Projjwal Sarkar , Professor , Dept Of BSH	Member
4	Dr.Sarasij Adhikary , Associate Professor , Dept Of EE	Member
5	Mr.Soham Sengupta , Associate Professor , Dept of AIML	Member
5	Mr.Subhashis Jana , Assistant Professor , Dept of CSE	Member
6	Ms.Sukla Dey , Assistant Professor , Dept of BSH	Member
7	Mr Raj Shekhar Mandal , Assistant Professor , Dept of ME	Member
8	Mr.Arun Adhikary , Assistant Professor , Dept of BBA	Member
9	Ms. Sangita Debnath ,TiC , Dept of Civil Engineering	Member
10	Dr. Sujoy Bose , Senior Research Associate,R&D,P2G Mobility Tech Pvt Ltd , Industry Expert	Invitee Member
11	Dr.Amit Das , Ex-Dean , Department of Computer Science Engineering , IIEST , Shibpur , Subject Expert	Invitee Member
12	Dr.Chandan Konar , Registrar , Kazi Najrul University , Asansol , Subject Expert	Invitee Member
11	Dr.Parijat De , Hon'ble Director	Member Secretary

iv) Constituent members of Anti Ragging Committee:

Sl No	Name	Designation
1	Dr.Chiranjib Patra , Hon'ble Principal	Chairman
2	Mr. Ayan Mondal , Assistant Professor , BSH	Member
3	Ms Sangita Debnath , Assistant Professor , Dept of CE	Member
4	Mr Raj SekharMandol , Assistant Professor ,Dept of ME	Member
5	Mr.Subhasis Jana , Assistant Professor ,Dept of CSE	Member
6	Ms Arpita Bagchi(Student) CSE – 2nd Year	Member
7	Mr Abhay Giri(Student) CE – 3rd Year	Member
8	Ms Sania Ejaz (Student) CSE – 3rd Year	Member
9	Mr Rajat Das (Administration)	Member

10	Ms Sharmistha Dey (NGO)	Member
11	Mr Debashis Panda (IC – Kalyani Police Station)	Member
12	Mr Abhijit Santra(SDO)	Member
13	Mr Debashish Goswami , Registrar	Member
14	Mr Sanjib Bose (Parents Representative)	Member
15	Mr Alokesh Roy (Parents Representative)	Member
16	Dr.HeranmoyMaity , Professor , Dept of ECE	Convenor

v) Members of the Student Grievance Redressal Committee

Sl No	Name	Designation
1	Dr.Chiranjib Patra , Hon'ble Principal	Chairman
2	Ms SuklaDey , Assistant Professor , BSHU	Member
3	Mr.HeranmoyMaity , Professor , Dept of ECE	Member
4	Mr.Subhasis Jana , Assistant Professor , Dept of CSE	Member
5	Ms JiyaShah , (Student) , CSE 2nd Year	Member

vi) Members of the Internal Complaints Committee

Sl No	Name	Designation
1	Ms SuklaDey , Assistant Professor , Dept of BSHU	Presiding Officer
3	Ms Sangita Debnath , Assistant Professor , Dept of CE	Member
4	Mrs.Arpita Dey, Assistant Professor, Dept of ME	Member
5	Mr.Rajat Das , Administration	Member
6	Mr.Kingshuk Mukherjee , TPO	Member
7	Mr Abhay Giri(Student) CE – 3rd Year	Member
8	Ms Jiya Shah , (Student) , CSE 2nd Year	Member
9	Ms Archita Upadyay(Student) , CSE 2nd Year	Member

vii) Members of the SC /ST Committee

Sl No	Name	Designation
1	Mr. Rabindra Tanti Assistant Professor, Dept of ME	Convenor
2	Mr.Subhankar Dutta , Assistant Professor , Dept of CSE	Member
3	Ms Arpita Dey, Assistant Professor , Dept of ME	Member
4	Mr.Dwipayan Majhi , Student , ECE – 3rd Year	Member
5	Mr.Dipankar Prasad Rajbhar , Student – CSE – 2nd Year	Member

viii) Members of the College Student Mentorship & Counselling Committee

Sl No	Name	Designation
1	Dr.Chiranjib Patra , Hon'ble Principal	Chairman
2	Ms Mousumi Das, Assistant Professor , Dept of ECE	Member
3	Mr.Rajshekhar Mondal , Assistant Professor , Dept of ME	Member
4	Ms Sangita Debnath , Assistant Professor , Dept of CE	Member
5	Ms.Sukla Dey , Assistant Professor , Dept of BSHU	Member
6	Dr.Sarasij Adhikary , Associate Professor , Dept of EE	Member
7	Mr.Subhasis Jana , Assistant Professor , Dept of CSE	Convenor

ix) Members of the College Minority Cell

Sl No	Name	Designation
1	Dr.Chiranjib Patra , Hon'ble Principal	Chairman
2	Mr.Amir Sarkar , Assistant Professor , Dept of CE	Convenor
3	Mr. Sk. AsrafulAli , Assistant Professor , Dept of ME	Member
2	Mr.Sk. SakilAli , (Student) CSE 2nd Year	Member
5	Mr.Sk. SahinSardar , (Student) CSE , 3rd Year	Member

x) Members of the College IQAC

1	**Chairperson: Head of the Institution**	
	Prof.(Dr.) Chiranjib Patra (Hon'ble Principal)	
2	**Teachers to represent all levels (Three to eight)**	
	Mr Subhasis Jana Assistant Professor, Dept of Computer Science Engineering	Member
	Ms Sukla Dey , Assistant Professor , Dept of Basic Science & Humanities	Member
	Ms Sangita Debnath , Assistant Professor, Dept of Civil Engineering	Member
	Mr Biswajit Manna , Assistant Professor , Dept of Electrical Engineering	Member
	Mr Raj Shekhar Mandal , Assistant Professor, Dept of Mechanical Engineering	Member
	Ms MousumiDas , Assistant Professor, Dept of Electronics & Communication Engineering	Member
3	**One member from the Management**	
	Mr.ParthasarathiHesh – Secretary - ISWH	Member
4	**Few senior administrative officers**	
	Mr.Debashish Goswami , Registrar Member	
	Mr. Raj Kumar Singh (Accounts Manager)	Member
5	**One nominee each from local society, Students and Alumni**	
	Local Society Member	Member
	Mr SubhamMandal (Student)	Member
	Mr.Rebati Sarkar – (Alumni) Member	
6	**One nominee each from Employers /Industrialists / Stakeholders**	
	Mr KallolSaha (Employers)	Member
	Mr.Santanu Banerjee (Industrialist)	Member
	Ms Nivedita Mishra (Stakeholder) Member	
7	**One of the senior teachers as the coordinator / Director of the IQAC**	
	Dr.HiranmoyMaity , Vice Principal , Professor – Dept of ECE	Coordinator , IQAC

xi) Members of the IIC (Institution – Industry Cell)

Sl.No	Name	Designation
1	Dr Chiranjib Patra , Hon'ble Principal	Chairman
2	Dr.Heranmoy Maity , Professor , Dept of ECE	Convenor
3	Dr.Projwal Sarkar , Professor , Dept of BSH	Member
4	Dr.Sarasij Adhikary , Associate Professor , Dept of EE	Member
5	Mr Soham Sengupta , Associate Professor , Dept of CSE	Member

6	Mr.Subhasis Jana , Assistant Professor , Dept of CSE	Member
7	Mr.Kingshuk Mukherjee , TPO	Member
8	Dr.Sujoy Bose, Sr Research Associate , P2G Mobility Tech Pvt Ltd	Invitee Member
9	Mr. Riman Biswas, Entrepreneur Alumni,	Invitee Member
10	Mr. Supriyo Pal, 3rd Year Student, Dept of CSE,	Student Representative.

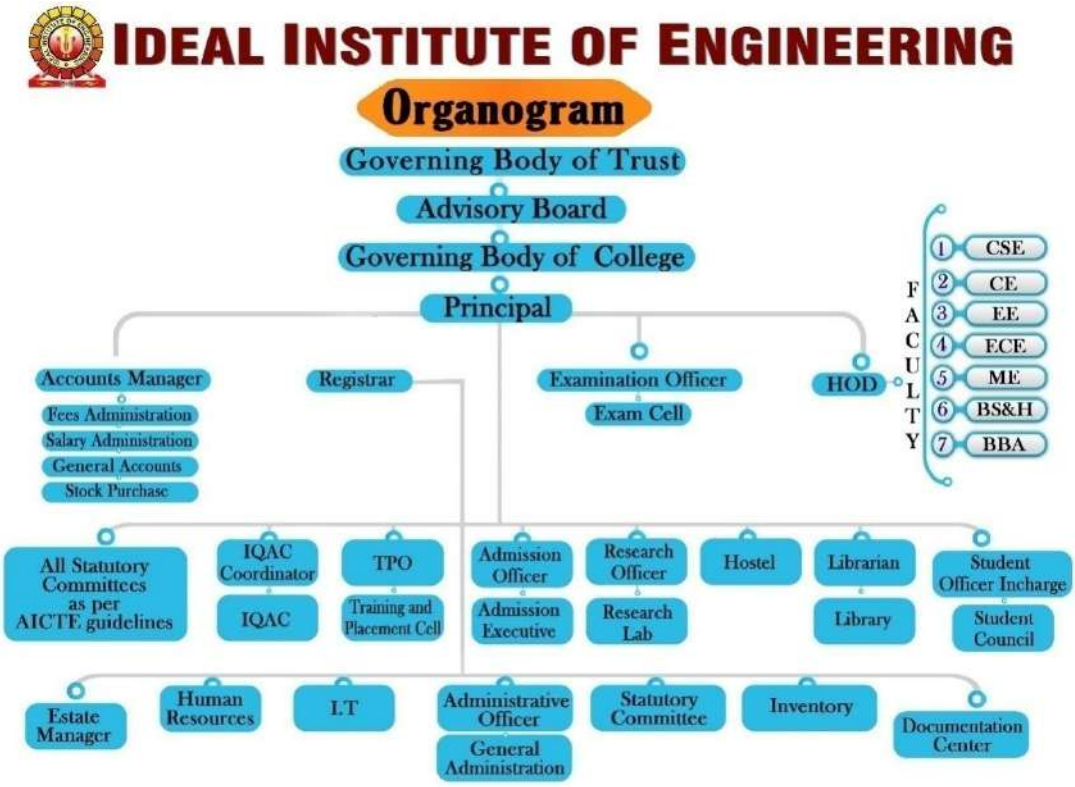
xii) Members of Institute Innovation Cell:

Sl.No	Members	Designation
1	Dr.Chiranjib Patra , Principal	Chairman
2	Dr.HeranmoyMaity , Professor , Dept of ECE	President – Innovation Cell
3	Dr.Projwal Sarkar , Professor , Dept of BSH	Convenor , Incubation-in-Charge
4	Mr. Amit Ghosh , Assistant Professor , Dept of CSE	Innovation Activity Coordinator
5	Mr.Soham Sengupta , Associate Professor , Dept of CSE	Start-up Activity Coordinator
6	Mr.Subhasis Jana , Assistant Professor , Dept of CSE	Internship Coordinator
7	Ms.Sukla De , Assistant Professor , Dept of BSH	Social Media Coordinator
8	Mr. SupriyoPal , Student , 3rd Year , Dept of CSE	Student Coordinator
9	Mr.Amit Bikram, Student , 4th Year , Dept of CSE	Student Member
10	Dr.Sujoy Bose, Sr Research Associate , P2G Mobility Tech Pvt Ltd ,	Industry Expert

xiii) Members of Institute of IPR Cell:

Sl.No	Members	Designation
1	Dr.Chiranjib Patra , Principal	Chairman
2	Dr.HeranmoyMaity , Professor , Dept of ECE	President – Innovation Cell
3	Dr.Projwal Sarkar , Professor , Dept of BSH	Convenor , Incubation-in-Charge
4	Mr. Amit Ghosh , Assistant Professor , Dept of CSE	Innovation Activity Coordinator
5	Mr.Soham Sengupta , Associate Professor , Dept of CSE	Start-up Activity Coordinator
6	Mr.Subhasis Jana , Assistant Professor , Dept of CSE	Internship Coordinator
7	Ms.Sukla De , Assistant Professor , Dept of BSH	Social Media Coordinator
8	Mr. SupriyoPal , Student , 3rd Year , Dept of CSE	Student Coordinator
9	Mr.Amit Bikram, Student , 4th Year , Dept of CSE	Student Member
10	Dr.Sujoy Bose, Sr Research Associate , P2G Mobility Tech Pvt Ltd ,	Industry Expert

xiv) College Organogram



xv) Mechanism/ Norms and Procedure for democratic/ good Governance

The College follows a system of participative management. Overall management is vested in the Governing Body, with the Principal serving as both the academic and administrative head of the Institution and the Member Secretary of the Governing Body. Heads of Departments/Teachers-in-Charge oversee the day-to-day functioning of their respective departments and report directly to the Principal. Departmental responsibilities are systematically distributed among faculty members to support institutional operations. These allocations are discussed in departmental meetings, and the proceedings are duly recorded in the minutes.

xvi) Student Feedback on Institutional Governance/ Faculty performance

Student feedback is collected at the end of each semester in the prescribed format. The College IQAC analyses the feedback and forwards it to the respective HoD/TiC, along with a summary submitted to the Hon'ble Principal. The mechanism is used to identify gaps in the teaching–learning process, and faculty members are counselled by the HoD to facilitate necessary improvements. Feedback from other stakeholders—employers, alumni, and parents—is obtained periodically to assess the adequacy of the curriculum

6) **COURSES**

i) Name of courses approved by AICTE

Sl.No	Name of the Course	Sanctioned Intake (as in 2024-25)
1	B.Tech (Computer Science Engineering)	120
2	B.Tech (Artificial Intelligence & Machine Learning)	30
3	B.Tech (Electrical Engineering)	48
4)	B.Tech (Mechanical Engineering)	30
5)	B.Tech (Civil Engineering)	30
6)	B.Tech (Electronics & Communication Engineering)	30
7)	Bachelor of Business Administration	30

ii) Following details of the above stated courses are given below:

Sl No	Branch Name	Intake Seats	Duration	Entry Level	Fees in INR	Placement facilities
1	AIML	30	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	411000.00	YES
2	BBA	60	4 YEARS	10+2 All Stream	266000.00	YES
3	CSE	120	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	411000.00	YES
4	CE	30	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	305000.00	YES
5	ECE	30	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	305000.00	YES
6	EE	48	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	305000.00	YES
7	ME	30	4 YEARS	10+2 with Science (Physics, Chemistry, Math)	305000.00	YES

iii) Placement Facilities

IIE considers each student a valuable resource and is committed to enhancing their career opportunities. The Training and Placement Cell facilitates campus recruitment and works to maximize each student's placement prospects. Its primary objective is to secure placements for students in reputed organizations.

To achieve this, the Cell conducts structured training in aptitude, technical skills, and soft skills well in advance of campus drives. It also focuses on the holistic development of students to support their long-term professional success.

iv) Number of students placed by College through its Placement Cell

PALCEMENT DATA IDEAL INSTITUE OF ENGINEERING								
PLACEMENT 2024								
DEPARTMENTS	Number of Appeared Students	Number of Students Placed in IT	Number of Students Placed in Non IT	Total Students Placed (IT+Non IT)	Percentage of Placed Students	Number of Companies Visited	Highest Package LPA	Lowest Package
CIVIL ENGINERING	55	14	40	54	98.18	15	5.50/- Per Annum	3.60/- Per Annum
COMPUTER SCIENCE AND ENGINEERING	50	49	0	49	98.00	32	5.50/- Per Annum	3.50/- Per Annum
MECHANICAL ENGINEERING	56	2	52	54	96.42	12	5.50/- Per Annum	3.60/- Per Annum
ELECTRICAL ENGINEERING	55	12	43	55	100.00	13	3.60/- Per Annum	2.80/- Per Annum
ELECTRONICS AND COMMUNICATION ENGINEERING	44	42	0	42	95.45	9	7.00/- Per Annum	5.50/- Per Annum
Total	**260**	**119**	**135**	**254**	**97.69**	**81**	**5.50/- Per Annum**	**2.80/- Per Annum**
Average							**4.15 LPA**	

PLACEMENT 2023								
DEPARTMENTS	**NUMBER OF APPEARED STUDENTS**	**Number Of Students Placed in IT**	**Number Of Students Placed in Non IT**	**Total Student Placed (IT+ Non IT)**	**PERCENTAGE OF PLACED STUDENTS**	**NUMBER OF COMPANIES VISITED**	**HIGHEST PACKAGE(PER ANNUM)**	**LOWEST PACKAGE(PER ANNUM)**
CIVIL ENGINERING	49	0	35	35	71.43	6	Rs. 4,25,000	Rs. 2,50,000
COMPUTER SCIENCE AND ENGINEERING	36	32	0	32	88.89	6	Rs. 3,40,000	Rs. 2,50,000
MECHANICAL ENGINEERING	55	10	34	44	80.00	6	Rs. 3,40,000	Rs. 2,50,000
ELECTRICAL ENGINEER	52	12	37	49	94.23	7	Rs. 3,40,000	Rs. 2,50,000

ING								
ELECTRONICS AND COMMUNICATION ENGINEERING	32	21	8	29	90.63	5	Rs. 3,40,000	Rs. 2,50,000
AVERAGE							**3.37/- Per Annum**	
PLACEMENT 2022								
DEPARTMENTS	**NUMBER OF APPEARED STUDENTS**	**NUMBER OF STUDENTS PLACED IN IT**	**NUMBER STUDENTS PLACED IN NON-IT**	**TOTAL PLACED STUDENTS**	**PERCENTAGE OF PLACED STUDENTS**	**NUMBER OF COMPANIES VISITED**	**HIGHEST PACKAGE(PER ANNUM)**	**LOWEST PACKAGE(PER ANNUM)**
COMPUTER SCIENCE AND ENGINEERING	34	30	0	30	88.24	5	Rs. 4,25,000	Rs. 2,50,000
CIVIL ENGINERING	20	4	16	20	100	2	Rs. 3,40,000	Rs. 2,50,000
ELECTRICAL ENGINEERING	24	5	19	24	100	7	Rs. 3,40,000	Rs. 2,50,000
MECHANICAL ENGINEERING	12	5	7	12	100	7	Rs. 3,40,000	Rs. 2,50,000
ELECTRONICS AND COMMUNICATION ENGINEERING	17	14	3	17	100	6	Rs. 3,40,000	Rs. 2,50,000
AVERAGE							**3.37/- Per Annum**	
PLACEMENT 2021								
DEPARTMENTS	**NUMBER OF APPEARED STUDENTS**	**Number Of Students Placed in IT**	**Number Of Students Placed in Non IT**	**Total Student Placed (IT+ Non IT)**	**PERCENTAGE OF PLACED STUDENTS**	**NUMBER OF COMPANIES VISITED**	**HIGHEST PACKAGE(PER ANNUM)**	**LOWEST PACKAGE(PER ANNUM)**
CIVIL ENGINERING	48	15	25	40	83.33	6	Rs. 3,40,000	Rs. 2,50,000
COMPUTER SCIENCE AND ENGINEER	38	30	4	34	89.47	6	Rs. 3,40,000	Rs. 2,50,000

ING								
MECHANICAL ENGINEERING	50	16	30	46	92.00	6	Rs. 3,40,000	Rs. 2,50,000
ELECTRICAL ENGINEERING	39	15	20	35	89.74	7	Rs. 3,40,000	Rs. 2,50,000
ELECTRONICS AND COMMUNICATION ENGINEERING	25	15	8	23	92.00	5	Rs. 3,40,000	Rs. 2,50,000
AVERAGE							**2.95/- Per Annum**	

v) 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: **NA**

7) **FACULTY**

Sl no	Name of the Course	Total sanctioned intake in 4 years	Total faculty reqd from 1st year to 4th Year	Permanent faculty available				Cadre ratio	No of Adjunct Faculty
				Prof	Associate Prof	Assistant Prof	Total		
1	AIML	60	3	1	0	2	3	01:20	NA
2	BBA	120	6	0	0	6	6		
3	CSE	336	16	0	1	15	16		
4	CE	156	8	0	0	8	8		
5	EE	192	10	1	1	8	10		
6	ECE	156	8	1	0	7	8		
7	ME	156	8	0	0	8	8		
		1176	59	3	2	54	59		

8) PROFILE OF THE PRINCIPAL

Name	Dr.Chiranjib Patra	Photograph 
Designation	Professor	
Department	Department of Computer Science & Engineering	
Date of Joining	28.10.2025	
Date of Birth	10.05.1973	

Qualifications	1) B.Tech	1) B.Tech in Fiber Technology-Calcutta University-1999.
	2) M.Tech	2) M.Tech in Multimedia Development –Jadabpur University-2002.
	3) Ph.D	3) Ph.D in Engineering - Jadabpur University-2019.
Total Experience in years	Teaching (Excluding Research)	Industry
	11 Years	9 Years
No of papers published in journals	National	International
		6
No papers presented in conferences	National	International
	1	20
Area of specialisation	Artificial Intelligence & Machine Learning	
Patent filed / granted	NA	
Projects Carried Out	5	
Professional Memberships	NA	

9) **Number of scholarship offered by the Institution, duration and amount in the last 3 years**

DR. B.C. ROY Scholarship		
YEAR	COUNT	AMOUNT
2024-25	77	Rs. 15,47,000/-
2025-26	114	Rs.22,80,000/-

10) **ADMISSION**

i) Course wise sanctioned seat wise admitted student details

Sl.No	Name of the Course	Total Sanctioned Seats	Total No Students admitted
1	B.Tech, Computer Science & Engineering	120	77
2.	B.Tech, Artificial Intelligence & Machine Learning	30	29
3.	B.Tech, Civil Engineering	30	1
4.	B.Tech, Electrical Engineering	48	8
5.	B.Tech, Electronics & Communication Engineering	30	13
6.	B.Tech, Mechanical Engineering	30	7
7.	Bachelor in Business Administration	60	13

ii) Admission Process:

1. Eligibility Criteria

Requirement	**Details**

Requirement	Details
Academic Qualification	Successful completion of the Higher Secondary (10+2) examination of the Council of Higher Secondary Education, West Bengal **or** an equivalent board examination.
Entrance Examination	• **WBJEE** – Joint Entrance Examination conducted by the West Bengal Joint Entrance Examinations Board (WBJEEB). • **JEE (Main)** – Joint Entrance Examination (Main) conducted by the Central Board of Secondary Education (CBSE) and recognized by WBJEEB.
Minimum Rank	No explicit rank ceiling, but seats are allocated strictly in accordance with the rank-list of the respective examination.

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2. Seat Distribution (per approved intake)

Category	Percentage of Seats	Basis of Allocation
WBJEE Quota	90 %	Candidates holding a valid WBJEE rank card.
JEE (Main) Quota	10 %	Candidates holding a valid JEE (Main) rank card.
Lateral Entry (2nd-Year)	Up to 10 % of the approved intake	Diploma holders or B.Sc. graduates who qualify through **JELET** (Joint Entrance Examination for Lateral Entry) conducted by WBJEEB.

Note: The lateral-entry seats are filled **only** after the commencement of the first-year admissions and are subject to the availability of seats in the respective discipline.

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3. Detailed Admission Procedure

Below is a chronological checklist that every aspirant must follow. Each step is mandatory for successful admission.

Step	Action	How to Complete
1. Register for the Entrance Exam	• WBJEE – Register on the WBJEEB portal (www.wbjee.org). • JEE (Main) – Register on the NTA portal (jeemain.nta.nic.in).	Complete the online registration, upload required photographs and signatures, and pay the examination fee as prescribed.
2. Appear for the Exam & Obtain Rank Card	Sit for the scheduled examination and download your rank card within the stipulated time-frame.	Rank cards are downloadable from the respective exam portals. Keep a digital copy (PDF) for later use.

Step	Action	How to Complete
3. Fill the IIE Online Application Form	Access the IIE Admissions portal (admissions.iie.ac.in) and submit the application.	• Enter personal, academic and contact details. • Upload scanned copies (PDF/JPEG) of the following documents (max 2 MB each): • 10th & 12th mark sheets (original & photocopy). • Entrance-exam rank card (WBJEE/JEE Main). • Passport-size photograph (white background). • Category certificate (if applicable). • Any other supporting documents requested.
4. Document Verification (On-Campus)	Report to the Admissions Office on the date specified in the "Verification Call-Letter".	Bring **original** documents plus a set of self-attested photocopies: • Class 10 & 12 certificates. • Entrance-exam admit/rank cards. • Transfer/Conduct certificates (if applicable). • Migration/Transfer certificate (for lateral entry).
5. Offer Letter & Acceptance	After successful verification, an **Offer Letter** will be generated and sent to your registered email and/or mobile number.	Log in to the portal, download the Offer Letter, and **accept the admission** by clicking the "Accept Offer" button.
6. Fee Payment	Pay the total tuition and other statutory fees within 15 days of acceptance.	Two modes are available: • **Online Payment** – via the portal (Net Banking/UPI/NEFT). • **Demand Draft (DD)** – payable in the name of "Ideal Institute of Engineering, Kolkata" (send to the Institute's Finance Office).
7. Confirmation & Admission Slip	Upon receipt of the fee, the institute will issue a **Confirmed Admission Slip** and your student ID.	Print the slip and retain it for future reference (library, hostel, etc.).
8. Orientation & Commencement of	Attend the mandatory orientation program (date communicated later)	Orientation details will be emailed to you

Step	Action	How to Complete
Classes	and begin classes as per the academic calendar.	post-admission.

11) INSTITUTE INFRASTRUCTURE DETAILS

1) **Number of Class Rooms and size of each:** 16 & 66 sq.m.
2) **Number of Tutorial rooms and size of each:** 4 & 33 sq.m.
3) **Number of Laboratories and size of each:** 39 & 66 sq.m.
4) **Number of Workshop and CADD centre with capacity of each: 1+2, 504 sq.m.**
5) **Number of Computer Centres with capacity of each:** 2 , 340 sq.m.
7) **Central Examination Facility, Number of rooms where examinations are held and capacity of each:** 15
8) **Online examination facility (Number of Nodes, Internet bandwidth, etc.) :** No Nodes: 75, Bandwith:100/100 mbps (Raw bandwidth).

Department Wise Laboratory Details:

i) Department of Mechanical Engineering:

Sl.No	Department	Name of the Lab	Lab/Major Equipment
1	MECHANICAL ENGINEERING	Workshop	Bench Grinding M/C
2	MECHANICAL ENGINEERING		Lathe M/C tools
3	MECHANICAL ENGINEERING		Carpentry vice
4	MECHANICAL ENGINEERING		Bench vice
5	MECHANICAL ENGINEERING		Horizontal Milling M/C
6	MECHANICAL ENGINEERING		Drill M/C
7	MECHANICAL ENGINEERING		Sharing cutter M/C
8	MECHANICAL ENGINEERING		Power saw M/C
9	MECHANICAL ENGINEERING		Arc Welding M/C
10	MECHANICAL ENGINEERING		Spot Welding M/C
11	MECHANICAL ENGINEERING		Gas Welding M/C
12	MECHANICAL ENGINEERING		MIG Welding M/C
13	MECHANICAL ENGINEERING	Apllied Mechanics Lab	Spring Testing Machine

14	MECHANICAL ENGINEERING		Torsion Testing machine
15	MECHANICAL ENGINEERING		Hardness Testing Machine
16	MECHANICAL ENGINEERING		Impact Testing Machine
17	MECHANICAL ENGINEERING		Friction Testing machine
18	MECHANICAL ENGINEERING		Fatigue Testing Machine
19	MECHANICAL ENGINEERING		Universal Testing Machine
20	MECHANICAL ENGINEERING	Heat Transfer Lab	Pin Fin Apparatus
21	MECHANICAL ENGINEERING		Metal Rod Apparatus
22	MECHANICAL ENGINEERING		Shell and Tube apparatus
23	MECHANICAL ENGINEERING		Emissivity Measurement Apparatus
24	MECHANICAL ENGINEERING		Insulating Powder Apparatus
25	MECHANICAL ENGINEERING	Fluid Mechanics Lab	Centrifugal Pump
26	MECHANICAL ENGINEERING		PVC Tank
27	MECHANICAL ENGINEERING		Orifice and mouthpiece
28	MECHANICAL ENGINEERING		Flow Measuring apparatus
29	MECHANICAL ENGINEERING		Notch Apparatus
30	MECHANICAL ENGINEERING		Measuring Flux
31	MECHANICAL ENGINEERING		Reciprocating Compressor
32	MECHANICAL ENGINEERING	Thermal Engineering Lab	Air conditioning machine
33	MECHANICAL ENGINEERING		Refrigerator
34	MECHANICAL ENGINEERING		Four Stroke Diesel Engine
35	MECHANICAL ENGINEERING		Four Stroke Petrol Engine
36	MECHANICAL ENGINEERING		Four Stroke Diesel Engine cut model
37	MECHANICAL ENGINEERING		Four Stroke Petrol Engine cut model
38	MECHANICAL ENGINEERING		Orsat Apparatus
39	MECHANICAL ENGINEERING		Flash Point Firepoint Apparatus
40	MECHANICAL ENGINEERING		Bomb Calori Meter
41	MECHANICAL ENGINEERING		Two Stroke PetrolEnginecut model

42	MECHANICAL ENGINEERING	Dynamics of Machine Lab	Cam Apparatus
43	MECHANICAL ENGINEERING		Governor Apparatus
44	MECHANICAL ENGINEERING		Static And Dynamic Balancing Apparatus
45	MECHANICAL ENGINEERING		Gyroscope
46	MECHANICAL ENGINEERING	Material Testing lab	Disc Polisher
47	MECHANICAL ENGINEERING		Thermocouple Kit
48	MECHANICAL ENGINEERING		Strain Measurement Kit
49	MECHANICAL ENGINEERING		Wheatstone Bridge
50	MECHANICAL ENGINEERING		Angle gauge
51	MECHANICAL ENGINEERING		Universal Bevel Protector
52	MECHANICAL ENGINEERING		Level Gauge
53	MECHANICAL ENGINEERING		Radius Gauge
54	MECHANICAL ENGINEERING		Filler Gauge
55	MECHANICAL ENGINEERING		Thread Gauge
56	MECHANICAL ENGINEERING		Leaver type Dial Gauge
57	MECHANICAL ENGINEERING		Plunger Type Dial Gauge
58	MECHANICAL ENGINEERING		Sine Bar
59	MECHANICAL ENGINEERING		Digital Anemometer
60	MECHANICAL ENGINEERING		V Block
61	MECHANICAL ENGINEERING		Magnetic Stand
62	MECHANICAL ENGINEERING		Slip Gauge Box (32)
63	MECHANICAL ENGINEERING		Dye Penetration Kit
64	MECHANICAL ENGINEERING		Height gauge
65	MECHANICAL ENGINEERING		Trinocular Microscope
66	MECHANICAL ENGINEERING	Advance Manufacturing Lab	CNC Lathe
67	MECHANICAL ENGINEERING		Robotics Arm
68	MECHANICAL ENGINEERING		Compressor

ii) Department of Civil Engineering:

Sl.No	Name of the Lab	Lab/Major Equipment
1	CONCRETE LAB	Aluminum container 3 inch
		Analog compression test machine
		Beam mould
		Brass sieve
		Concrete cube mould
		Cylindrical mould
		Compacting factor test apparatus
		Digital Thermometer
		Density busket
		Elongation gauge
		Flakiness gauge
		GI Tray (600X450X50)
		GI Tray(450X300X50)
		J.R.M Mercury fluid Thermometer
		Lid of sieve
		Laboratory concrete mixer
		Le Chatelier's Apparatus
		Mortar cube mould(70.6X70.6X706)
		Metal measuring cylinder
		Measuring glass(Poly)1000 ml,500 ml,250 ml,100 ml
		Sieve(G.I frame)
		Sieve Shaker machine
		Slump Test Apparatus
		Sieve (Brass 200 mm dia)
		Sieve(Brass 90µm dia)
		Sieve (Brass 75µm dia)
		Trowel
		Vicat Apparatus
		Vee-Bee Consistometer
2	TRANSPORTATION LAB	Aggregate Impact Value Test
		Aggregate Crushing Value Apparatus
		CBR Test Apparatus
		Electric heater with Stabilizer
		Los Angeles Abrasion Testing Apparatus Machine
		Marshall Stability Test Apparatus
		Penetration Test Apparatus of bitumen
		Flash and Fire Point Test Apparatus
		Digital Penetrometer
		Ring and Ball Test Apparatus
		Softening Point Test Apparatus
		Stripping Valus Test Apparatus
3	SURVEYING & GEOMATICS LAB	Auto level
		Dumpy Level
		Levelling Staff

		PVC Type Measuring tape(30 m long)
		Prismatic Compass
		Plane Table with Accessories
		Ranging Rod
		Survey Chain(30 m long)
		Transit Vernier Theodolite
		Total Station with all Accessories
4	**ENGINEERING GEOLOGY LAB**	Microscope
		Rocks
		Minerals
5	**SOIL MECHANICS LABORATORY**	Brass sieve (200 mm dia) (150 Micron-4.75 mm)
		Brass sieve (200 mm dia) (75 µ dia)
		Core Cutter Dolly and Hammer
		Consolidation Test Apparatus(Oedometer)
		Digital Stop Watch
		Direct Shear Test Apparatus
		Hydrometer(Omson Brand)
		Hot Air Oven
		Liquid Limit Device
		Lid Receiver for Brass Sieve
		Measuring cylinder(1000 ml)
		Measuring cylinder(250ml)
		Plastic Limit Device
		Permeability Test Apparatus
		Pycnometer Bottle
		Shrinkage Limit Device
		Specific Gravity Bottle(50 ml)
		Standard Proctor Compaction Mould and Rammer
		Standard Penetration Test Apparatus
		Unconfined Compression Test Apparatus
		Vane Shear Test Apparatus
6	**ENVIRONMENTAL ENGINEERING LABORATORY**	Balance Meter
	INSTRUMENTS	Digital Balance
		Jar Test Apparatus
		Ph Meter
		Pipette Pump
		Stop Watch
		Turbiditymeter
	GLASSWARE	Aspirator Bottle with Stop outlet 5L
		Aspirator Bottle with Stop outlet 10L
		Beaker 100ml
		Beaker 250ml
		Beaker 500ml
		Borosil Beaker 2L
		B.O.D. bottle

		Borosil Volumetric Flusk 100 ML
		Borosil Volumetric Flusk 250 ML
		Funnel Stand with Holder
		Mortar Pestle Porcelene 4
		Porcelene Dish 100 mm
		Test Tube Basket
7	**WATER RESOURCE ENGINEERING LAB**	Rain Gauge
8	**AUTOCAD LAB**	Software installed in 10 no of computers

iii) Department of Electronics & Communication Engineering:

Sl.No	Department	Name of the Lab	Lab/Major Equipment
1	**ECE**	Microprocessor Microcontroller Lab	1. Microcontroller Trainer - 1 No
			2. Microprocessor Trainer - 4 Nos
			3. Microprocessor Trainer -3 Nos
			4. Shift Register Trainer - 1 No.
			5. Synchronous Counter Trainer - 1 No
			6. Function Generator - 1 No
			7. Multimeter - 1 No
2	**ECE**	ANALOG ELECTRONICS LAB	1. RC Coupled FET Amplifier
			2. Oscilattor
			3. RC Coupled Transistor Amplifier
			4. Series & Shunt Voltage Regulator
			5. Transistor Charracteristics with Meter
			6. Half Wave & Full Wave Rectifier
			7. Opamp Trainer Kit
			8. Single Stage RC coupled transistor Amplifier
			9. Class A Power Amplifer
			10. Class B Power Amplifier
			11. Class C Power Amplifier
			12. CRO
			13. Junction & Zener Diode Kit
			14. Power Supply
			15. Function Generator
			16. Multimeter
3	**ECE**	Digital System Design Lab	1. Analog Bread Board System
			2. Digital Bread Board Trainer Kit
			3. BCD to Seven Segment Decoder kit
			4. 8 to 1 Line Multiplexer & De-Multiplexer kit
			5. 3 Digit Decade Counter Trainer Kit
			6. Wirecutter
			7. Transformer

			8. Breadboard
			9. Tweezer
			10. Soldering Iron
			11. Logic Probe
4	**ECE**	Electromagnetic Wave Lab	1.Wireless and mobile comm analyzer(AMTEC)
			2. Spectrum Analyzer AT 5011
			3. DC adapter(Future Tech)
			4. CRO
			5.Microwave slotted line
			6. Single cavity Klystron
			7.Klystron experimental setup
			8.Matched termination
			9. detector mount
			10.Attenuator
			11.Isolator
			12.cooling Fan
			13.Potentiometer power supply and galvanometer
			14.VSWR meter
			15.Directional couplar
			16.Microwave power meter
			17.Xband down converter
			18. Signal genetor
			19. Horn antenna receiver
			20. Dish feed
			21. DSO
			22.Antenna kit
5	**ECE**	Communication Engineering Lab	1. Pulse Code Modulation /Demodulation with Noise
			2. Frequency Modulation/ Demodulation Trainer
			3. Amplitude Modulation /Demodulation Trainer
			4. Phase Lock Loop(PLL) Trainer
			5. Voltage Control Oscillator(VCO) trainer
			6. Superheterodyne Radio Receiver Trainer(AM/FM)
			7. AM Transmitter Trainer
			8. Delta Modulation /Demodulation Trainer
			9. Pulse Amplitude Modulation/Demodulation Trainer Kit
			10. PSK Modulation/ Demodulation in Presence of Noise
			11. Amplitide Shieft Keying Modulation/Demodulation Trainer kit
			12. PN Sequence Generator
			13. Time Division Multiplexing
			14. Pulse Position Modulation Demodulation
			15. Sigma Delta Modulation/Demodulation
			16. Frequency Shieft Keying Modulation/

			Demodulation
			17. CRO
			18. PAM/PWM/PPM Modulation/Demodulation Trainer
			19. ASK, FSK, BPSK, DBPSK Modulator and Demodulator
			20. Study of Line Codes and Their sprctral Analysis Trainer
6	**ECE**	DSP , VLSI, Circuit Theory, Computer Network, Nemerical Method lab, Control System & Instrumentation Lab	COMPUTER SET NO 30 (Lab 1)

iv) Department of Electrical Engineering:

Sl .No	**Department**	**Name of the Lab**	**Lab/Major Equipment**
1	**Electrical Engineering**	**Basic Electrical Engineering Laboratory**	**Demonstration of cut-out sections of machines: DC machine, Induction machine, Synchronous machine and single phase induction machine**
2			**Demonstration of components of LT switchgear**
3			**Measurement of power in a three phase unbalanced circuit by two wattmeter method**
4			**Demonstration of three phase transformer connections. Voltage and current relationship, phase shifts between the primary and secondary side**
5			**Determination of operating characteristics of Synchronous generator.**
6			**Demonstration of operation of (a) DC-DC converter (b) DC-AC converter (c) DC-AC converter for speed control of an Induction motor**
7		**Electric Circuit Theory Laboratory**	**Frequency response of LP, HP BP and BR filters**
8			**Verification of Network theorems (KVL, KCL, Superposition, Norton and thevenin)**
9		**POWER SYSTEM-I LABORATORY**	**Determination of the generalized constants A.B, C, D of long transmission line and regulation of a 3-Φ transmission line model**
10			**Measurement of earth resistance by earth tester**
11			**Determination of dielectric strength of insulating oil**
12			**Determination of breakdown strength of solid insulating material**
13			**Study of active and reactive power control of alternator**
14			**Study and analysis of an electrical transmission line circuit with the help of software**
15			**Determination of dielectric constant, tan delta, resistivity of transformer oil.**
1			**Study on DC load flow**

6			
17			Study on AC load flow using Gauss-seidel method
18			Study on AC load flow using Newton Raphson method
19			Study on Economic load dispatch
20			Study of different transformer protection schemes by simulation
21			Study of different motor protection schemes by simulation
22			Study of different characteristics of over current relay
23			Study of different protection scheme for feeder
24		POWER ELECTRONICS LABORATORY	Study of performance of step up and step down chopper with MOSFET, IGBT and GTO as switch (simulation)
25			Study of performance of single phase half controlled symmetrical and asymmetrical bridge converter.(simulation)
26			Study of performance of step down chopper with R and R-L load.
27			Study of performance of single phase controlled converter with and without source inductance (simulation)
28			Study of performance of three phase controlled converter with R & R-L load. (simulation)
29		ELECTRIC MACHINE-IILABORATORY	Determination of the characteristics of a separately excited DC generator.
30			Determination of speed of DC series motor as a function of load torque
31			Determination of equivalent circuit of a single phase transformer and efficiency.
32			Determination of temperature rise and efficiency of the transformer.(Back to back test)
33			Study of equivalent circuit of three phase Induction motor by no load and blocked rotor test
34			Study of performance of three phase squirrel- cage Induction motor –determination of iron-loss, friction &windage loss.
35			Study of performance of wound rotor Induction motor under load
36			Speed control of 3 phase slip ring Induction motor by rotor resistance control
37			V-curve of Synchronous motor
38			Parallel operation of 3 phase Synchronous generators
39			Determination of equivalent circuit parameters of a single phase Induction motor
40			Load test on single phase Induction motor to obtain the performance characteristics
4		ELECTRIC	Study of speed control of Thysistor controlled DC Drive

1		DRIVE LABORATORY	
42			Study of speed control of Chopper fed DC Drive
43			Study of speed control of single phase motor using TRIAC
44			Study of VSI / CSI fed Induction motor Drive using software
45			Study of PWM Inverter fed 3 phase Induction Motor control using software
46			Study of Regenerative / Dynamic braking operation for DC Motor - Study using software
47			Study of Regenerative / Dynamic braking operation of AC motor - study using software
48			Study of PC/PLC based AC/DC motor control operation.
49		CONTROL SYSTEM LABORATORY	Familiarization with MAT-Lab control system tool box, MAT-Lab- simulink tool box & PSPICE
50			Determination of Step response for first order & Second order system with unity feedback with the help of CRO &calculation of control system specification , Time constant, % peak overshoot, settling time etc. from the response
51			Simulation of Step response & Impulse response for type-0, type-1 & Type-2 system with unity feedback using MATLAB & PSPICE
52			Determination of Root locus, Bode plot, Nyquist plot using MATLAB control system tool box for a given system &stability by determining control system specification from the plot
53			Determination of PI, PD and PID controller action of first order simulated process.
54			Determination of approximate transfer functions experimentally from Bode plot
55			Evaluation of steady state error, setting time , percentage peak overshoot, gain margin, phase margin with addition of Lead, Lag, Lead-lag compensator.
56			Study of a practical position control system obtaining closed step responses for gain setting corresponding to over-damped and under-damped responses. Determination of rise time and peak time using individualized components by simulation. Determination of un-damped natural frequency and damping ratio from experimental data
57			Analysis of performance of Lead, Lag and Lead-Lag compensation circuits for a given system using simulation.
58			Determination of Transfer Function of a given system from State Variable model and vice versa
59			Analysis of performance of a physical system using State variable technique by simulation. Study of step response and initial condition response for a single input, two-output system in SV form by simulation

60		Electrical and Electronics Measurement Laboratory	Measurement of resistance using Kelvin double bridge.
61			Measurement of power using Instrument transformer.
62			Measurement of power in Polyphase circuits.
63			Measurement of frequency by Wien Bridge.
64			Measurement of Inductance by Anderson bridge
65			Measurement of capacitance by De Sauty Bridge.
66			Measurement of capacitance by Schering Bridge.
67		Electrical And Electronics Design Laboratory	Designing a heating element with specified wattage, voltage and ambient temperature.
68			Designing an air core grounding reactor with specified operating voltage, nominal current and fault current.
69			Designing the power distribution system for a small township.
70			Designing a double circuit transmission line for a given voltage level and power (MVA) transfer.
71			Wiring and installation design of a multistoried residential building (G+4, not less than 16 dwelling flats with a lift and common pump)

v) Department of Computer Science & Engineering:

Semester III (Second year) - CSE					
Sl. No.	**Type of course**	**Code**	**Course Title**	**Computer Lab**	**Major Equipments**
Practical					
1	Professional Core Courses	PCC-CS393	IT Workshop (Sci Lab/MATLAB/Python/R)	Computer Lab -1	60 Computer ,35 Processor i3 RAM 4.00 GB ,20 Processor i5 RAM 8.00,5 Ryzen 3 RAM 8GB
2	Engineering Science Course	ESC 391	Analog and Digital Electronics	ECE Lab	
3	Professional Core Courses	PCC-CS391	Data Structure & Algorithms	Computer Lab -1	60 Computer ,35 Processor i3 RAM 4.00 GB ,20 Processor i5 RAM 8.00,5 Ryzen 3 RAM 8GB
4	Professional Core Courses	PCC-CS392	Computer Organisation	Computer Lab -4	30 Computer , 25 Ryzen 3 RAM 8GB,i3 RAM 4GB
Semester V (Third year) -CSE					
Sl. No.	**Type of course**	**Code**	**Course Title**	**Computer Lab**	**Major Equipments**
Practical					

5	Professional Core Courses	ESC-591	Software Engineering	Computer Lab -4	30 Computer , 25 Ryzen 3 RAM 8GB,i3 RAM 4GB
6	Professional Core Courses	PCC-CS592	Operating Systems	Computer Lab -1	60 Computer ,35 Processor i5 RAM 4.00 GB ,20 Processor i5 RAM 8.00,5 Ryzen 3 RAM 8GB
7	Professional Core Courses	PCC-CS593	Object Oriented Programming	Computer Lab -1	60 Computer ,35 Processor i5 RAM 4.00 GB ,20 Processor i5 RAM 8.00,5 Ryzen 3 RAM 8GB

vi) Department of Artificial Intelligence & Machine Learning :

Sl. No.	Type of course	Code	Course Title	Computer Lab	Major Equipments
Practical					
8	Professional Core Courses	PCC-CS391	Data Structure & Algorithms Lab	Computer Lab -4	30 Computer , 25 Ryzen 3 RAM 8GB,i3 RAM 4GB
9	EngineeringScience Course	ESC391	Analog and Digital Electronics Lab	ECE lab	
10	Professional Core Courses	PCC-CS392	Computer Organization	Computer Lab -4	30 Computer , 25 Ryzen 3 RAM 8GB,i3 RAM 4GB
11	Professional Core Courses	PCC-CS393	IT Workshop(Python I)	Computer Lab -1	60 Computer ,35 Processor i3 RAM 4.00 GB ,20 Processor i5 RAM 8.00,5 Ryzen 3 RAM 8GB

12) INSTITUTE LIBRARY

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

Sl.No	Courses	**Number of titles of the books**	**Number of volumes of the books**	National Journals
1	BTECH CIVIL ENGINEERING	**424**	**2704**	6
2	BTECH MECHANICAL ENGINEERING	**514**	**3029**	6
3	BTECH ELECTRICAL ENGINEERING	**474**	**2548**	6
4	BTECH ELECTRONICS COMMUNICATION ENGINEERING	**589**	**2298**	6
5	COMPUTER SCIENCE ENGINEERING	**637**	**2915**	6
6	BACHELOR OF BUSINESS ADMINISTRATION	**150**	**975**	3
	BASIC SCIENCE & HUMANITIES DEPARTMENT	**316**	**2586**	9

List of online National/ International Journals subscribed

Sl.No	Publication	Subject Areas	Access
1	JGATE ENGINEERING	ENGINEERING	9162
2	JGATE ENGINEERING	CHEMISTRY	3478
3	JGATE ENGINEERING	MATERIAL SCIENCE	1490
4	JGATE ENGINEERING	MATHEMATICAL SCIENCE	3119
5	JGATE ENGINEERING	PHYSICS	2486
6	JGATE ENGINEERING	TELECOMMUNICATION TECHNOLOGY	989
7	JGATE ENGINEERING	ENVIRONMENTAL SCIENCE	3729
8	JGATE ENGINEERING	INFORMATION TECHNOLOGY	7487
1	DELNET	MECHANICAL ENGINEERING	136
2	DELNET	COMPUTER SCIENCE ENGINEERING	160
3	DELNET	ELECTRICAL	121
4	DELNET	CIVIL ENGINEERING	293
5	DELNET	ELECTRONICS AND COMMUNICATION	41

About Institute Library System

The IIE library system is very user friendly with sufficient resources to meet the requirements of the users. Addition of resources as per the requirements and norms is a regular feature. Sufficient numbers of qualified staff are employed to manage the activities of the library.
The state-of-the-art facilities include KOHA Open Source Library Management Software which also has Web Based Online Public Access Catalogue (Web OPAC) from 2014, Digital Library/Institutional Repository Server on DSpace software, Membership to DELNET and National Digital Library which has a collection of more than 6 Lac resources of Engineering, Science, Humanities available for use by all the stakeholders. The library subscribes to a variety of e-Journals also .All students, faculty and staff of the College are entitled to take membership and make use of the library facilities.
Admission to the l Library is through Identity/Library Card .The library is under camera surveillance through ten cameras that have been installed at various locations.

Library Automation:

The library is managed by computerized automation through library management software KOHA, which is an integrated multi-user library management system that supports all in-house operations of the library with Barcode. The KOHA consists of modules on acquisition, cataloguing, circulation, periodical, article indexing, and Web OPAC.

Web OPAC:

Web based Online Public Access Catalogue (Web OPAC) has been introduced for library data search by users. Web OPAC is a powerful search engine for finding any cataloguing information from KOHA bibliographic database on-line. The resources can be searched on internet based on title of the book, author of the book, subject, publication or accession number of the book.

Library Membership:

At the time of joining the college, users approach the library for membership. The user submits a form filled by them. A photograph is taken in the library by a college photographer. It is used for library cards and LMS. Whenever a user loses his library card, he is issued a new card based on an application given by the student, and old card details are blocked and a duplicate card is activated.

Their entitlements, in terms of the number of books that can be borrowed by them, are as follows:

- Faculty members: - Two books for semester and three books for a month
- Staff members: - Two books for a month
- UG students: - Two books for ten days

- Students are provided Book Bank Books for each subject for the entire semester
- Two extra books are provided to the eligible students for one month under the Social Welfare Scheme.
- A special facility is provided to the meritorious students in the form of issue of three extra books for one month.
- In case of non-availability (already issued) of the desired book in the library, the book can be reserved for the user for issue after it is returned by another user.

Reference Section:

The Institutional Library maintains a separate reference collection consisting of text books, reference books, encyclopaedias, handbooks, dictionaries and competitive books for GATE, CAT, GRE and GMAT. One copy of each title is kept in Not-For-Issue (NFl)/Reserved Section for the reference of the users within the library only. The Reference Section resources may be issued, if necessary, for overnight after permission from the Senior Librarian.
Reference Section hosts sitting area which includes cubicles to facilitate privacy without any disturbance to other students.

Digital Library:

E-journals & E-books:

E-journals & E-books are utilized by the user in the following ways:-

1. Can browse on the digital library systems and anywhere in the campus and outside campus.
2. Can download and take a copy on Pen Drive, CD/DVD.
3. Can also send by email etc.

National Digital Library(NDL) subscription details:

National Digital Library of India (NDLI) is a virtual repository of learning resources which is not just a repository with search/browse facilities but provides a host of services for the learner community. It is sponsored and mentored by Ministry of Education, Government of India, through its National Mission on Education through Information and Communication Technology (NMEICT). Filtered and federated searching is employed to facilitate focused searching so that learners can find the right resource with least effort and in minimum time. NDLI provides user group-specific services such as Examination Preparatory for School and College students and job aspirants.

IIE Library has taken Institutional Member of NDL. Membership No: INWBNC5B8KIKJB8 .

13) SOCIAL MEDIA CELL

College has Facebook, Instagram, and LinkedIn etc. account. Information related to various events are posted on social media regularly.

14) LIST OF FACILITIES AVAILABLE

i) Games and Sports Facilities

The College maintains a strong tradition in sports, actively participating in inter-institutional and state-level tournaments. Comprehensive facilities are provided for both outdoor and indoor games.

Outdoor Games:
A spacious playground is available for Cricket, Football, Volleyball, Badminton, and other outdoor activities.

Indoor Games:
Provisions for Badminton, Table Tennis, Chess, Carrom, and other indoor games are available within the campus.

The College regularly organizes a wide range of sports events, encouraging students to participate and showcase their abilities.

ii) Co-Curricular Activities

The Institution is committed to fostering holistic development among students by actively encouraging participation in a wide range of co-curricular activities. To support this objective, adequate facilities and financial provisions are ensured, and all activities are supervised by designated co-curricular committees.

Students representing the Institution in sports or other extracurricular engagements are provided with supplementary academic support, including extra classes, to compensate for the time devoted to such activities. This structured approach enables students to balance academic responsibilities with co-curricular involvement, thereby promoting their overall growth and development.

iii) Soft Skill Development Facilities

Recognizing that academic excellence alone does not ensure career success, the Institution places strong emphasis on the all-round development of students. To enhance employability and nurture

essential professional attributes, a comprehensive **Personality Development Programme** is conducted by a certified professional.

This mandatory programme for B.Tech. students covers communication skills, group discussions, interpersonal skills, and interview techniques. Through structured training and a supportive learning environment, the Institution aims to develop confident, competent, and industry-ready professionals equipped with the soft skills necessary for sustained career growth.

iv) **Teaching Learning Process**

- Curricula and syllabus for each of the courses as approved by the University.

- Academic Calendar

Ideal Institute of Engineering Kalyani

Silpanchal Railway Station, Kalyani Silpanchal, opp. Kalyani, Kalyani, West Bengal 741235

Academic Calendar Batch 2022-26 (4th Year: 7th Sem), 2023-27 (3rd Year: 5th Sem), 2024-28 (2nd Year: 3rd Sem) & 2025-29 (1st Year: 1st Sem)

Academic Calendar 2025 - 2026 (Odd Semester)

	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Academic Working Days		List of Activities /Holidays
Jul-25								0	OFF	Academic Activity: Commencement of Academic Sessions 16th July, Student Orientation 22 July, Student Enrolment 22 July. Event: Student Orientation 22 July, Cultural Event on 22 July. Total working days: 9
								0	OFF	
			16	17	18	19	20	4	Working Week /Teaching Schedule	
	21	22	23	24	25	26	27	6	Working Week /Teaching Schedule	
	28	29	30	31				4	Working Week /Teaching Schedule	
Aug-25					1	2	3	2	Working Week /Teaching Schedule	Academic Activity: Commencement 1st Year Class 4 Aug, 1st Year Induction Program 11th Aug, Submission of CA1 12 Aug -16 Aug. Event: Python Boot Camp 4 Aug, Digital Literacy Camps & Carrom Competition 13 Aug, Wall Magazine 14 Aug, Robotics Assembly Challenge 26 Aug. Total working days: 20 Holiday: 9 Aug: Institute Holiday, 15 Aug: Independence Day
	4	5	6	7	8	9	10	5	Working Week /Teaching Schedule	
	11	12	13	14	15	16	17	5	Working Week /Teaching Schedule	
	18	19	20	21	22	23	24	6	Working Week /Teaching Schedule	
	25	26	27	28	29	30	31	6	Working Week /Teaching Schedule	
Sep-25	1	2	3	4	5	6	7	5	Working Week /Teaching Schedule	Academic Activity: CA2 and PCA1 Submission 17 Sept - 20 Sep. Event: Dev Ops Session 2 Sep, Csess Competition 11 Sep, Quiz Env Protection 13 Sept, Engineer's Day, Photography Competition 18 Sept, AGOMONI Event and Wall Magazine 24. Total working days: 18 Holiday: 5 Sep: Teacher's Day, 26 Sep. to 30 Sept: Durga Puja
	8	9	10	11	12	13	14	6	Working Week /Teaching Schedule	
	15	16	17	18	19	20	21	6	Working Week /Teaching Schedule	
	22	23	24	25	26	27	28	4	Working Week /Teaching Schedule	
	29	30						0	Holiday	
Oct-25			1	2	3	4	5	0	Holiday	Academic Activity: CA3 Submission 13 Oct - 18 Oct. Event: Open Mic Platform 11 Oct, HACKATHON 14 Oct, ALOKBARSHA & DIY Lava Lamp 17 Oct, Debate on Youth in Politics 31 Oct. Total working days: 15 Holiday: 1 Oct to 6 October: Durga Puja-Laxmi Puja, Gandhi Jayanti, 20 Oct: Kali Puja, 21 Oct: to 23 Oct: Institute Holiday
	6	7	8	9	10	11	12	5	Working Week /Teaching Schedule	
	13	14	15	16	17	18	19	6	Working Week /Teaching Schedule	
	20	21	22	23	24	25	26	2	Working Week /Teaching Schedule	
	27	28	29	30	31			5	Working Week /Teaching Schedule	
Nov-25						1	2	1	off	Academic Activity: CA4 and PCA2 Submission 10 Nov - 15 Nov, University Theory Exam start 28 Nov. Event: HS CDC 4 Nov, Music Video Creation 8 Nov, Batminton Com. 14 Nov, Swachh Bharat Mission 21 Nov. Total working days: 19 Holiday: 5 Nov: Guru Nanak Jayanti
	3	4	5	6	7	8	9	5	Working Week /Teaching Schedule	
	10	11	12	13	14	15	16	6	Working Week /Teaching Schedule	
	17	18	19	20	21	22	23	6	Working Week /Teaching Schedule	
	24	25	26	27	28	29	30	6	Working Week /Teaching Schedule	
Dec-25	1	2	3	4	5	6	7	6	Working Week /Teaching Schedule	Academic Activity: 3rd, 5th & 7th University Theory Examination 28 Nov - 13 Dec., Practical, Sessional and Viva-Voce examinations and marks submission 15 Dec - 20 Dec. Event: FDP Total working days: 22 Holiday: 25 Dec: Merry Christmas
	8	9	10	11	12	13	14	6	Working Week /Teaching Schedule	
	15	16	17	18	19	20	21	6	Working Week /Teaching Schedule	
	22	23	24	25	26	27	28	5	Working Week /Teaching Schedule	
	29	30	31					3	Working Week /Teaching Schedule	

Event
Special day for Club Event
Holiday

Total Working Day: 127

Ideal Institute of Engineering Kalyani

Silpanchal Railway Station, Kalyani Silpanchal, opp. Kalyani, Kalyani, West Bengal 741235

Academic Calendar Batch 2022-26 (4th Year: 8th Sem), 2023-27 (3rd Year: 6th Sem), 2024-28 (2nd Year: 2nd Sem) & 2025-29 (1st Year: 2nd Sem)

Academic Calendar 2025 - 2026 (Even Semester)

	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Academic Working Days		List of Activities /Holidays
Jan-26				1	2	3	4	1	Working Week /Teaching Schedule	Academic Activity: Commencement 1st year to 4th Year Class, Enrollment of students 12 Jan - 20 Jan.
	5	6	7	8	9	10	11	5	Working Week /Teaching Schedule	Event: Picnic 30 January, Republic Day Celebration.
	12	13	14	15	16	17	18	5	Working Week /Teaching Schedule	Total working days: 20
	19	20	21	22	23	24	25	4	Working Week /Teaching Schedule	Holiday: 1 Jan: New year, 23 Jan: Saraswati Puja & Netaji Subhas Chandra Bose Jayanti, 26 Jan: Republic Day
	26	27	28	29	30	31		5	Working Week /Teaching Schedule	
Feb-26							1	0	Holiday	Academic Activity: Submission of CA1 2 Feb - 7 Feb.
	2	3	4	5	6	7	8	5	Working Week /Teaching Schedule	Event: Anual Sports 5 Feb - 7 Feb, Wall Magazine 14 Aug, Hackathon - HACKO-O-War 20th - 21th Feb.
	9	10	11	12	13	14	15	5	Working Week /Teaching Schedule	Total working days: 19
	16	17	18	19	20	21	22	4	Working Week /Teaching Schedule	Holiday: 14 Feb Institute holyday, 16 Feb Maha Shibratri
	23	24	25	26	27	28		5	Working Week /Teaching Schedule	
Mar-26							1	0	Holiday	Academic Activity: CA2 and PCA1 Submission 2 Mar - 7 March.
	2	3	4	5	6	7	8	3	Working Week /Teaching Schedule	Event: Csess Competition 14 Mar, Photography Competition 14 Sept, Wall Magazine 31 March.
	9	10	11	12	13	14	15	5	Working Week /Teaching Schedule	Total working days: 18
	16	17	18	19	20	21	22	4	Working Week /Teaching Schedule	Holiday: 3 Mar Dol Yatra, 4 Mar Holi, 20 Mar Id-ul-fiter, 31 Mar Mahavir Jayanti
	23	24	25	26	27	28	29	5	Working Week /Teaching Schedule	
	30	31						1	Working Week /Teaching Schedule	
Apr-26			1	2	3	4	5	2	Holiday	Academic Activity: CA3 Submission 6 April - 11 April.
	6	7	8	9	10	11	12	5	Working Week /Teaching Schedule	Event: Batminton Competition 11 April, Institute outreach Event- Health Camp 11 April, HACKATHON 30 April.
	13	14	15	16	17	18	19	3	Working Week /Teaching Schedule	Total working days: 19
	20	21	22	23	24	25	26	5	Working Week /Teaching Schedule	Holiday: 3 April Good Friday, 14 April Dr. B R Ambedkar Jayanti, 15 April Bengali New Year.
	27	28	29	30				4	Working Week /Teaching Schedule	
May-26					1	2	3	0	Holiday	Academic Activity: CA4 and PCA2 Submission 4 May - 9 May, University Examination 22 May.
	4	5	6	7	8	9	10	5	Working Week /Teaching Schedule	Event: Swachh Bharat Mission 16 June.
	11	12	13	14	15	16	17	5	Working Week /Teaching Schedule	Total working days: 19
	18	19	20	21	22	23	24	5	Working Week /Teaching Schedule	Holiday: 1 May Day & Buddha Purnima, 9 May Rabindra Jayanti, 27 May Id-uz-Zuha
	25	26	27	28	29	30	31	4	Working Week /Teaching Schedule	
Jun-26	1	2	3	4	5	6	7	5	Working Week /Teaching Schedule	Academic Activity: 2nd, 4th , 6th & 8th Semester Theory Examination 22 May - 13 June. Practical, Sessional and Viva-Voce examinations and marks submission 15 June - 20 June.
	8	9	10	11	12	13	14	5	Working Week /Teaching Schedule	Event: FDP
	15	16	17	18	19	20	21	4	Working Week /Teaching Schedule	Total working days: 19
	22	23	24	25	26	27	28	5	Working Week /Teaching Schedule	Holiday: 16 June Ratha Yatra, 26 June Muharram.
	29	30						2	Working Week /Teaching Schedule	

Event
Special day for Club Event
Holiday
Total Working Day: 116

- **Academic Time Table with the name of the Faculty members handling the Course**
  The classes, labs, seminars and project work, as specified in the evaluation scheme and syllabus published by the University on its website, are conducted in accordance with the time table issued by each department.

- **Teaching Load of each Faculty**
  Teaching load of faculty is distributed as per AICTE norms.

- **Internal Continuous Evaluation System:**

  Ideal Institute of Engineering (IIE) is affiliated to MAKAUT, West Bengal . IIE follows the internal examination pattern matching with the university exam pattern. Guidelines of MAKAUT are followed strictly in the evaluation process. There are 4 Internal tests of 25% weightage each ,2 for practical subjects of 50% weightage each and, Sessional Test (100 Marks),
  The schedules of internal exams are communicated to students and faculty through the academic calendar of the institute at the beginning of each semester. The college academic calendar is prepared in coherence with the university academic calendar.
  To implement the continuous internal evaluation in a smooth and efficient manner the exam cell of the college has framed guidelines for conducting the internal evaluation. The tasks done by the college exam cell are as follows: scheduling of internal examination, seating

arrangements, assigning hall invigilators, collection of answer books and distribution of answer books to the subject teaching faculty.

- **Student's assessment of Faculty**

  Student feedback on faculty performance in both theory and practical courses is collected at the end of each semester. The entire process is centrally organized and monitored by the Office of the Hon'ble Principal.
  Teaching effectiveness is assessed on parameters such as communication skills, quality of teaching, subject knowledge, content and method of delivery, accessibility for doubt clarification, quality of assignments, syllabus completion, and consistency in teaching pace. Feedback is compiled subject-wise and section-wise, and consolidated departmental reports are shared with the respective Heads of Departments.
  Individual faculty scores are communicated through the HoDs. Faculty members receiving a score below 4 (out of 5) are counselled by the HoD to facilitate improvement in teaching performance.

- Activities of the Institute – Industry Cell

a) Industrial Visits

INDUSTRIAL VISIT - 2025				
Sl No	Date	Company Visited	Place	Participating Department
1	16.04.2025	Feed Milling Plant, Kalyani.	Kalyani	ALL
2	14.05.2025	Bengal Surgical	Kalyani	ECE
3	10.12.2025	EPIC Kalyani	Kalyani	All
4	11.12.2025	Kanchrapara Workshop	Kanchrapara	EE, ME

INDUSTRIAL VISIT - 2024				
Sl No	Date	Company Visited	Place	Participating Department
1	12.03.2024	Tdk India Pvt Ltd	Kalyani	All
2	14.04.2024	Fresenius Kabi	Kalyani	EE, ME
3	18.04.2024	Kanchrapara Workshop	Kanchrapara	EE,ME,ECE
4	17.06.2024	UIC Uddyog Limited	Kalyani	ME, EE

INDUSTRIAL VISIT - 2023				
Sl No	Date	Company Visited	Place	Participating Department
1	23.02.2023	.Tdk India Pvt Ltd	Kalyani	ALL
2	16.06.2023	Gayeshpur Water Treatment Plant	Gayeshpur	CE
3	19.06.2023	BSNL	Kalyani	ECE, EE
4	12.11.2023	Fresenius Kabi	Kalyani	All

b) Webinars conducted

WEBINAR – 2025			
Sl No	Topic	Resource person	Date
1	SEMINAR ON MATLAB AND SIMULINK FOR MACHINE LEARNING AND DEEP LEARNING.	Mr, SubhraJyotiMoitra. Sr. Application Engineer, Elmax Systems and Solutions.	21.03.2025
2	Renewable Energy - The Future, the Career	Mr, Sarad Jana, Senior Project Manager, JSW Energy	09.04.2025
3	Cyber Security & Ethical Hacking.	Hritwik Roy, Director, Indian School of Ethical Hacking	12.02.2025
4	AI Application in Power System.	West Bengal Power Development Corporation Limited (WBPDCL).	23.02.2025

c) List of MoUs signed

Sl No	Name of the Company / Organization	Date
1	IIMCIP- Technology & Innovation Council	12.03.2025
2	P2G Mobility Tech Pvt Ltd (POINTO)	08.03.2025
3	ADS Web Solutions Kolkata	26.09.2025

16) BEST PRACTICES ADOPTED

- **Institutional Principles and Infrastructure**

The College operates on five core principles: transparency, uniformity, excellence, ethical conduct, and disciplined functioning.

The Institution is supported by robust infrastructure spread across more than 5 acres, comprising well-planned departmental complexes with spacious laboratories, modern classrooms, departmental libraries, and faculty cabins. Over 500 computers with broadband connectivity ensure strong computing facilities. Classrooms are equipped with projectors, sound systems, and smart boards, while advanced laboratories and workshops support practical learning. Seminar and conference halls facilitate academic and research activities.

The fully automated library houses over fifteen thousand books, national and international journals (including e-journals), and extensive digital resources. Sports facilities include a large playground for outdoor games such as cricket, football, and volleyball, along with provisions for indoor games like badminton, table tennis, chess, and carrom.

Aligned with its commitment to environmental sustainability, the College maintains an eco-friendly campus. Buildings are designed for maximum natural light and ventilation, with a strong emphasis on cleanliness. The campus is polythene-free, discouraging the use of single-use plastics. Extensive plantation across open areas ensures a green and dust-free environment, complemented by well-maintained lawns and landscaped spaces.

- **Academic Excellence and Student Support**

  IIE is recognized for its strong commitment to academic excellence, reflected through a structured teaching–learning–evaluation framework supported by highly qualified and dedicated faculty. The Institution effectively addresses the needs of both academically strong and weaker students through initiatives such as the mentorship programme, extra classes for lateral entry students, specialized MCQ sessions, incentives for academic toppers, and encouragement to participate in departmental societies that promote activity-based learning. A favourable student–faculty ratio ensures individual attention, while continuous classroom and laboratory interactions enable close monitoring of student progress and timely intervention.
  To enrich academic exposure, IIE regularly conducts extension lectures, national seminars, workshops, panel discussions, and open forums. Distinguished guest faculty members are invited to share expert insights. The use of Google Classroom enhances teaching efficiency by facilitating assignment distribution, feedback, and communication in a paperless environment. Additionally, structured alumni interactions provide students with current industry perspectives, further strengthening their academic and professional growth.

- **Industry–Academia Interface at IIE**

  IIE places strong emphasis on building a robust industry–academia interface in alignment with AICTE and NEP guidelines. The Institution collaborates with various industries in Kalyani and across West Bengal to enhance practical exposure, skill development, and industry-readiness among students.

  These collaborations include industry-aligned training programmes, expert lectures, industrial visits, internships, and joint workshops conducted with manufacturing units, technology service providers, and research-oriented organizations in the region. Departments regularly engage with industry partners to identify emerging technological needs and integrate relevant skill components into academic and co-curricular activities.

  Through these continuous engagements, IIE ensures that students gain hands-on experience, updated industry insights, and improved employability, thereby strengthening the overall academic ecosystem and fostering meaningful industry–academia synergy.

- **Nurturing Innovation and Entrepreneurship at IIE (Formal & Concise)**

  IIE is committed to fostering a culture of innovation and entrepreneurship in alignment with national priorities. Through its IPR Cell, the Institution actively supports, guides, and accelerates small to medium-sized business ideas, technological innovations, and student-led start-ups.

  The IPR Cell functions as a central resource hub, providing awareness programmes on intellectual property rights, conducting workshops on patent filing and innovation management, and mentoring students and faculty in protecting and commercializing their creative outputs. It facilitates consultation with experts, encourages idea generation through innovation challenges, and supports the development of prototypes and early-stage ventures.

  By integrating innovation-oriented learning with structured guidance, IIE empowers students to transform novel ideas into viable entrepreneurial initiatives, thereby strengthening the start-up ecosystem within the campus and contributing to broader socio-economic development.

- **Emphasis on Value based Education**

IIE's commitment to fostering personal transformation among its faculty, staff, and students has been a distinguishing feature among institutions in West Bengal. The College promotes a culture of social responsibility, empathy, and community engagement as an integral part of its educational mission.

Initiatives such as **Swachh Abhijans** cultivate civic consciousness and environmental responsibility within the campus and surrounding areas. Additionally, the Institution's annual practice of sharing clothes and distributing food to the destitute during the Durga Puja festival reflects its deep-rooted commitment to humane values and collective welfare.

These sustained and meaningful activities have significantly contributed to the personal growth of the IIE community and have earned the Institution notable recognition for its dedication to social upliftment and moral development.