

NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Program Name : Electronics & Communication Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 12022	Date of Submission : 17-07-2026

PART A- Profile of the Institute

A1.Name of the Institute : DR. SUDHIR CHANDRA SUR INSTITUTE OF TECHNOLOGY AND SPORTS COMPLEX	
Year of Establishment : 2009	Location of the Institute: Kolkata
A2. Institute Address :540, DUM DUM ROAD, SURERMATH, NEAR DUM DUM JN. STATION, KOLKATA-700074	
City:North 24 Parganas	State:West Bengal
Pin Code:700074	Website:www.surtech.edu.in
Email:info@dsec.ac.in	Phone No(with STD Code):033-25603898
A3. Name and Address of the Affiliating University (if any):	
Name of the University : MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY W	City: Nadia
State : West Bengal	Pin Code: 741249
A4. Type of the Institution : Autonomous CAY(2029-30)	
A5. Ownership Status : Self financing	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: **10**
- No. of PG programs: **3**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Automobile Engineering	2009	--	Automobile Engineering
2	Engineering & Technology	UG	Civil Engineering	2012	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2009	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2024	--	Computer Science and Engineering (Data Science)
7	Engineering & Technology	UG	Electrical Engineering	2011	--	Electrical Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	2009	--	Electronics and Communication Engineering

9	Engineering & Technology	PG	Electronics & Communication Engineering	2013	--	Electronics and Communication Engineering
10	Engineering & Technology	UG	Electronics and Computer Science	2024	--	Electronics and Computer Science
11	Engineering & Technology	PG	Mechanical Engineering	2012	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering
13	Engineering & Technology	PG	Structural Engineering	2024	--	Civil Engineering

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Automobile Engineering	Yes	Automobile Engineering	UG
Civil Engineering	No	Civil Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGR/ DURATI
1	Electronics & Communication Engineering	UG	2009 / --	60	Yes	2020	60	2020	F.No. Eastern/1-7013831861/2020/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr. Anirban Neogi
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	60	60	58	57	55	54	72
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	2	3	3	5	5
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	60	63	60	60	58	59	77

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	0	100.00
2024-25 (CAYm1)	60	60	0	100.00
2023-24 (CAYm2)	60	58	0	96.67

Average [(ER1 + ER2 + ER3) / 3] = 98.89≡ 20.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*=(No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	63.00	65.00	125.00
B=No. of students who graduated from the program in the stipulated course duration	58.00	59.00	77.00
Success Rate (SR)= (B/A) * 100	92.06	90.77	61.60

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 81.48

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	8.40	8.23	8.06
Y=Total no. of successful students	60.00	58.00	57.00

Z=Total no. of students appeared in the examination	60.00	58.00	57.00
API $[X*(Y/Z)]$	8.40	8.23	8.06

Average API $[(AP1+AP2+AP3)/3]$: 8.23**B7: Academic Performance of the Second Year Students of the Program**

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	8.81	8.68	8.59
Y=Total no. of successful students	60.00	60.00	58.00
Z=Total no. of students appeared in the examination	60.00	60.00	58.00
API $[X * (Y/Z)]$	8.81	8.68	8.59

Average API $[(AP1 + AP2 + AP3)/3]$: 8.69**B8. Academic Performance of the Third Year Students of the Program**

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	8.63	8.48	8.36
Y=Total no. of successful students	60.00	58.00	59.00
Z=Total no. of students appeared in the examination	60.00	58.00	59.00
API $[X*(Y/Z)]$:	8.63	8.48	8.36

Average API $[(AP1 + AP2 + AP3)/3]$: 8.49**B9. Placement, Higher Studies, and Entrepreneurship**

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	63.00	65.00	125.00
X=No. of students placed	47.00	48.00	60.00
Y=No. of students admitted to higher studies	3.00	2.00	4.00
Z= No. of students taking up entrepreneurship	1.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	80.95	76.92	51.20

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 69.69 Placement Index Points:**PART C: Faculty Details in Department and Allied Departments****(Data to be filled in for the Department and Allied Departments)****C1. Faculty details of Department and Allied Departments**

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Anirban Neogi	XXXXXXXX87R	Ph.D	Kalinga Institute of Industrial Technology	Microwave Engineering	02/06/2022	4.1	Professor	Professor	02/06/2022	Regular	Yes		Yes
2	Dr. Swapan Bhattacharyya	XXXXXXXX14E	Ph.D	Jadavpur University	Computer Communication	22/01/2018	8.5	Professor	Professor	22/01/2018	Regular	Yes		No
3	Dr. Arindam Sadhu	XXXXXXXX03J	Ph.D	Maulana Abul Kalam Azad University of Technology, West Bengal	VLSI	12/07/2024	1.11	Associate Professor	Associate Professor	12/07/2024	Regular	Yes		No
4	Dr. Sangeeta Mukhopadhyay	XXXXXXXX45B	Ph.D	IIST Shibpur	Microwave Engineering	04/08/2015	10.11	Assistant Professor	Associate Professor	01/07/2021	Regular	Yes		No
5	Dr. Supriyo Srimani	XXXXXXXX10A	Ph.D	IIST Shibpur	Analog and Mixed Signal Testing	04/08/2015	10.11	Assistant Professor	Associate Professor	24/12/2024	Regular	Yes		No
6	Firojuddin Sk	XXXXXXXX61Q	M.Tech	Maulana Abul Kalam Azad University of Technology, West Bengal	VLSI	14/12/2018	7.6	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Ananya Banerjee	XXXXXXXX34D	M.Tech	University of Calcutta	Radio physics and Electronics	03/09/2010	15.10	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Debasmita Manna	XXXXXXXX62K	M.Tech	Maulana Abul Kalam Azad University of Technology, West Bengal	Mobile Communication	04/07/2011	15	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Somnath Dasgupta	XXXXXXXX13L	M.Tech	Indian Institute of Technology (Indian School of Mines), Dhanbad	Optical Fiber Sensor	27/07/2020	5.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Bidisha Dobe	XXXXXXXX28J	M.Tech	Maulana Abul Kalam Azad University of Technology, West Bengal	Communication Engineering	06/09/2017	8.10	Assistant Professor	Assistant Professor		Regular	Yes		No

11	Krishnendu Jana	XXXXXXX18L	M.Tech	Maulana Abul Kalam Azad University of Technology, West Bengal	Communication Engineering	01/07/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Sutanu Das	XXXXXXX47K	M.Tech	University of Calcutta	Nano Science	01/07/2025	1	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Anirbit Sengupta	XXXXXXX70Q	M.Tech	Maulana Abul Kalam Azad University of Technology, West Bengal	Communication Engineering	14/09/2020	3.9	Assistant Professor	Assistant Professor		Regular	No	13/07/2024	No
14	Dr. Pradipta Maiti	XXXXXXX19R	Ph.D	Indian Institute of Technology (Indian School of Mines), Dhanbad	Communication Engineering	11/02/2025	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr. Abhigyan Ganguly	XXXXXXX10E	Ph.D	National Institute of Technology, Silchar	Nano Electronics	04/08/2015	9.11	Assistant Professor	Associate Professor	14/11/2019	Regular	No	02/07/2025	No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)

C= No. of Students in UG 3rd year (ST)

D= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department1

Table No.C2.1: Student-faculty ratio.

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	63	60	60
UG1.C	60	60	60
UG1.D	60	60	60

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1: Electronics & Communication Engineering	183	180	180
PG1.A	9	9	9
PG1.B	9	9	9
PG1: Electronics & Communication Engineering	18	18	18
DS=Total no. of students in all UG and PG programs in the Department	201	198	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 201	S2= 198	S3= 198
DF=Total no. of faculty members in the Department	13	12	12
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 13	F2= 12	F3= 12
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.46	SFR2= 16.50	SFR3= 16.50
Average SFR for 3 years	SFR= 16.15		

C3. Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	6	7	10.00	22.00
2024-25(CAYm1)	6	6	9.00	23.33
2023-24(CAYm2)	5	7	9.00	21.67

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	2.00	3.00	7.00	8.00

2024-25	1.00	2.00	2.00	3.00	7.00	7.00
2023-24	1.00	2.00	2.00	2.00	7.00	8.00
Average	RF1=1.00	AF1=2.00	RF2=2.00	AF2=2.67	RF2=7.00	AF2=7.67

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Indranil Das	Founder & MD	Synchro Electronics Global Pvt. Ltd.	Embedded System PE-EC703A	28.00
2	Krishnendu Ghosh	Asst Manager Network Security and compliance	Vehere Interactive Pvt Ltd	Mobile Communication and Networks PE-EC701C	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Indranil Das	Founder & MD	Synchro Electronics Global Pvt. Ltd.	Embedded System PE-EC703A	24.00
2	Krishnendu Ghosh	Asst Manager Network Security and compliance	Vehere Interactive Pvt Ltd	Mobile Communication and Networks PE-EC701C	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Abhijan Bhattacharyya	Scientist	TCS Innovation Lab	Mobile Communication and Networks PE-EC701C	30.00
2	Krishnendu Ghosh	Asst Manager Network Security and compliance	Vehere Interactive Pvt Ltd	Cyber Security OE-EC803C	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	2	1	4
2	No. of peer reviewed conference papers published	1	1	10
3	No. of books/book chapters published	11	9	5

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Arindam Sadhu	Dr. Anirban Neogi	Dept of Electronics and Communication Engineering	Design and Development of Eco-Charge: A Hybrid Wind Solar Portable Mobile Charging Unit for Sustainable Off-Grid Applications	Yantranir Robotics	1 Year	2.75
						Amount received (Rs.):2.75

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Swapan Bhattacharyya	Mr. Anirbit Sengupta	Dept of Electronics and Communication Engineering	Development of an Indigenous Flight Controller for a Hexagonal UAV using ESP32/STM32 Architecture	Sylveneon India Pvt. Ltd.	1 Year	1.50
						Amount received (Rs.):1.50

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
MANALI DHAR	Mr. ANIRBIT SENGUPTA	Dept of Electronics and Communication Engineering	Development of Urban Mobility Intelligent System	Nyagrodhah Future Pvt Ltd	1 Year	2.00
						Amount received (Rs.):2.00

Total Amount (Lacs) Received for the Past 3 Years: 6.25

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mrs. Ananya Banerjee		Dept of Electronics and Communication Engineering	Power Module Development of Helious SCOUT	Livid Design INC.	2 month	0.31
Dr. Anirban Neogi		Dept of Electronics and Communication Engineering	Developent of Directional Anteenas for Any Robot	Yantranir Robotics	6 Month	0.50
Dr. Arindam Sadhu		Dept of Electronics and Communication Engineering	Procurement of Jammer, Composite Armour Plate for Hostile Drone Jamming and Tank Protection System in Tank T-90	Scraptechies Solutions Pvt. Ltd.	1 year	1.23
Dr. Sangeeta Mukhopadhyay		Dept of Electronics and Communication Engineering	Antenna Design for Counter Drone System	Megh Robotics Pvt. Ltd.	6 Month	0.35
						Amount received (Rs.):2.39

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Abhigyan Gunguly	Dr. Anirban Neogi	Dept of Electronics and Communication Engineering	Controller PCB Development for OMEGA AI Bot	Synchro Electronics Global Pvt. Ltd.	1 year	0.55
Anirbit Sengupta		Dept of Electronics and Communication Engineering	Healthcare Equipment Monitoring using Sensors for the project "IoT-Based Smart Industrial Equipment Monitoring For Healthcare"	Nyagrodhah Future Pvt Ltd	6 Month	0.40
Dr. Abhigyan Ganguly		Dept of Electronics and Communication Engineering	Intregation of IR camera in UAV	Megh Robotics Pvt. Ltd.	3 Month	0.25
Dr. Swapan Bhattacharyya		Dept of Electronics and Communication Engineering	Integration for Lidar in UAV Aerial Survey	Scraptechies Solutions Pvt. Ltd.	9 Month	0.75
Sangeeta Mukhopadhyay		Dept of Electronics and Communication Engineering	Antenna Design for Counter Drone System	Megh Robotics Pvt. Ltd.	6 Month	0.35
						Amount received (Rs.):2.30

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Manali Dhar		Dept of Electronics and Communication Engineering	Communication and Networking Section of project "Integrating AIoT and robotics for intelligent production systems."	GLOBCONPT Computing, Power & Communication Technologies	6 Month	0.50
Mrs. Ananya Banerjee		Dept of Electronics and Communication Engineering	Edge Computing & Controller section of "Integrating AIoT and robotics for intelligent production systems."	GLOBCONPT Computing, Power & Communication Technologies	6 Month	0.50
Partha Sarkar		Dept of Electronics and Communication Engineering	Embedded Controller design with Rasberi Pi for the project "IoT-Based Smart Industrial Equipment Monitoring For Healthcare"	Nyagrodhah Future Pvt Ltd	1 year	0.45
Manjari Bharti	Manali Dhar	Dept of Electronics and Communication Engineering	Development of Battery Management System for UAV smart Battery	Scraptechies Solutions Pvt. Ltd.	3 Month	0.30
						Amount received (Rs.):1.75

Total amount (Lacs) received for the past 3 years: 6.44

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Anirban Neogi& Dr. Arindam Sadhu	Affordable Smart EEG Hairband for Home-Based Brain Health Monitoring	1 Years	2.50	2.40	A basic prototype of the proposed system has been developed.
			Amount received (Rs.): 2.50		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Ms. Ananya Banerjee and Anirbit Sengupta	Low-Cost Smart Flight Controller for Multi-Sector Drone Applications	1 Years	2.10	2.00	A basic prototype of the proposed system has been developed.
			Amount received (Rs.): 2.10		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Ms. Debasmita Manna and Dr. Abhigyan Ganguly	Smart LiDAR-Guided Security Robot for Surveillance and Explosive Threat Handling	1 Years	2.00	2.00	A basic prototype of the proposed system has been developed.
			Amount received (Rs.): 2.00		

Total amount (Lacs) received for the past 3 years : 6.60

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Analog and Digital Communication Lab	30	Analog and Digital Communication Kit, CRO, Spetrum Analyzer	18 hr per week	Suman Pramanik	Technical Assistant	Diploma
2	Analog Circuit Lab	30	CRO , Function Generator , Power Supply	6 hr per week	Samayita Ghosh	Technical Assistant	Diploma

3	VLSI Design Lab	30	Tanner EDA Softwae, Xilinx Software	6 hr per week	Pallabi Das	Technical Assistant	Diploma
4	Signal and System Lab	30	MATLAB 2019b	6 hr per week	Samayita Ghosh, Mayukh	Technical Assistant	Diploma
5	Digital Signal Processing Lab	30	MATLAB 2019b	6 hr per week	Suman Pramanik, Mayukt	Technical Assistant	Diploma
6	Microprocessor and Microcontroller Lab	30	MP 8085, 8086 Kit MC 8051 Kit	6 hr per week	Samayita Ghosh	Technical Assistant	Diploma
7	Digital Circuit Design Lab	30	Digital Circuit Kit	6 hr per week	Pallabi Das	Technical Assistant	Diploma
8	Basic Electronics Lab	30	CRO , Function Generator , Power Supply	12 hr per week	Suman Pramanik ,Debjyo	Technical Assistant	Diploma
9	Electronics Device Lab	30	CRO , Function Generator, Power Supply	6 hr per week	Pallabi Das	Technical Assistant	Diploma
10	Antenna and Microwave Lab	30	Antenna Trainer Kit , Microwave Test Bench	6 hr per week	Suman Pramanik	Technical Assistant	Diploma

D2. Safety Measures in Laboratories

Table No. D2.1: List of various safety measures in laboratories.

Sr. No	Laboratory Name	Safety Measures
1	Analog and Digital Communication Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
2	Analog Circuit Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
3	VLSI Design Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
4	Signal and System Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers

5	Digital Signal Processing Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
6	Microprocessor and Microcontroller Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
7	Digital Circuit Design Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
8	Basic Electronics Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
9	Electronics Device Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers
10	Antenna and Microwave Lab	Labs are under CCTV surveillance, provided with fire extinguisher with regular maintenance , MCB, compact insulated wiring, Sanitizers

D3. Project Laboratory/Research Laboratory

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PART E: First Year faculty and financial Resources**(Data to be filled in for the first year course faculty and budget allocation and utilization)****E1. First Year Student-Faculty Ratio (FYSFR)**

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	480	24	19	9	71
2024-25(CAYm1)	720	36	28	14	70
2025-26(CAY)	720	36	28	14	70

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	28030000	27869573	13988000	13903379	13305000	13484908	5018000	4966489
Library	2997000	2955134	2723000	2632751	2410000	2385498	2183000	2127202
Laboratory equipment	19426000	19152856	11295000	10971270	11364000	11342795	8576000	8443361
Teaching and non-teaching staff salary	157156000	155519229	143248000	139348804	122340000	119170198	109192000	105195655
Outreach Programs	2165000	2125076	1976000	1952625	1824000	1812253	1737000	1719498
R&D	17729000	17455796	11903000	11475703	9847000	9602279	7836000	7617830
Training, Placement and Industry linkage	10677000	10430580	9230000	8923486	7528000	7315764	6298000	6096470
SDGs	28959000	28552041	27084000	26427741	22929000	22620402	20329000	20141010
Entrepreneurship	2487000	2453878	2013000	1953334	1563000	1524956	1227000	1204560
Others, specify	33018000	32461270	31490000	30315096	28688000	28138689	26304000	25795006
Total	302644000	298975433	254950000	247904189	221798000	217397742	188700000	183307081

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	2205000	2174498	1682000	1633373	670000	668901	755000	743400
Software	0	0	0	0	465000	460000	330000	327250
SDGs	3839000	3798927	3499000	3462626	3434000	3388134	3120000	3091535
Support for faculty development	626000	615935	630000	597036	330000	322102	262000	258588
R & D	1126000	1109077	853000	834597	785000	764563	711000	703907
Industrial Training, Industry expert, Internship	173000	168966	169000	163406	157000	155157	134000	129298

Miscellaneous Expenses*	557000	547767	494000	474874	466000	457476	457000	447875
Total	8526000	8415170	7327000	7165912	6307000	6216333	5769000	5701853