NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical and Electronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11348	**Date of Submission**: 15-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: Bhoj Reddy Engineering College for Women	
Year of Establishment : 1997	Location of the Institute: Hyderabad
A2. Institute Address:Vinaynagar, I S Sadan X Roads, Saidabad Hyderabad - 500 059, Telangana	
City:Hyderabad	State:Telangana
Pin Code:500059	Website:www.brecw.ac.in
Email:principal@brecw.ac.in	Phone No(with STD Code):040-24531719
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Jawaharlal Nehru Technological University Hyderaba	City: Ranga Reddy
State : Telangana	Pin Code: 500085
A4. Type of the Institution: Non-Autonomous (Affiliated)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **5**
- No. of PG programs: **0**

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	Computer Science and Engineering	1997	--	Computer Science and Engineering
2	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
3	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
4	Engineering & Technology	UG	Electronics & Communication Engineering	1997	--	Electronics and Communication Engineering
5	Engineering & Technology	UG	Information Technology	2000	--	Information Technology

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
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Information Technology	Yes	Information Technology	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electrical and Electronics Engineering	No	Electrical and Electronics 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 PROGRA ACCREDI
1	Electrical and Electronics Engineering	UG	2001 / --	40	Yes	2002	60	2002	F.No. South-Central/1-44641919472/2025/EOA	Applying first time	--	--	0

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 :	S Asha Kiranmai
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	60
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	44	60	34	30	38	47	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	20	22	12	7	6
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	2	1	3	4	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	46	67	57	56	50	54	66

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	44	2	76.67
2024-25 (CAYm1)	60	60	1	101.67
2023-24 (CAYm2)	60	34	3	61.67

Average [(ER1 + ER2 + ER3) / 3] = 80.00≡ 17.00

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).	72.00	67.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	48.00	52.00	64.00
Success Rate (SR)= (B/A) * 100	66.67	77.61	96.97

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 80.42

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)
Mean of CGPA or mean percentage of all successful students(X)	7.01	6.87	6.26
Y=Total no. of successful students	60.00	36.00	34.00
Z=Total no. of students appeared in the examination	61.00	37.00	34.00
API [X*(Y/Z)]	6.90	6.68	6.26

Average API[(AP1+AP2+AP3)/3] : 6.61

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 2rd year/10)	6.97	6.78	5.72
Y=Total no. of successful students	56.00	54.00	49.00
Z=Total no. of students appeared in the examination	76.00	78.00	62.00
API [X * (Y/Z)]	5.14	4.69	4.52

Average API [(AP1 + AP2 + AP3)/3] : 4.78

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)	7.09	5.67	6.38
Y=Total no. of successful students	54.00	48.00	52.00
Z=Total no. of students appeared in the examination	54.00	49.00	53.00
API [X*(Y/Z)]:	7.09	5.55	6.26

Average API [(AP1 + AP2 + AP3)/3] : 6.30

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	72.00	67.00	66.00
X=No. of students placed	21.00	36.00	50.00
Y=No. of students admitted to higher studies	3.00	6.00	4.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	33.33	62.69	81.82

Average Placement Index = (P_1 + P_2 + P_3)/3: 59.28 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	S Asha Kiranmai	XXXXXXX82C	Ph.D	Osmania University	Electrical Engineering	13/10/2008	17.1	Assistant Professor	Associate Professor	01/06/2022	Regular	Yes		Yes
2	S Deepti	XXXXXXX09M	M.E.	Osmania University	Power Systems	09/07/2007	18.5	Assistant Professor	Assistant Professor		Regular	Yes		No
3	R Manju Bhargavi	XXXXXXX41N	M.Tech	Jawaharlal Nehru Technological University	Power and Industrial Drives	04/09/2006	19.3	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Swathi Sankepally	XXXXXXX22M	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	28/04/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	B Dhanadeepika	XXXXXXX99D	Ph.D	Annamalai University	Electrical and Electronics Engineering	10/11/2021	4	Assistant Professor	Assistant Professor		Regular	Yes		No
6	S Mayuri	XXXXXXX56K	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Engineering	10/01/2017	8.10	Assistant Professor	Assistant Professor		Regular	Yes		No
7	J Ashwini Kumari	XXXXXXX29B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	07/12/2020	4.11	Assistant Professor	Assistant Professor		Regular	Yes		No

8	K Uma Rani	XXXXXXX87M	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	23/02/2022	3.9	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ch Shravani	XXXXXXX44H	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Control Systems	15/12/2023	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ch Prasannalakshmi	XXXXXXX78B	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Power electronics & Electrical drives	05/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	K Rajamani	XXXXXXX71A	M.Tech	Jawaharlal Nehru Technological University Hyderabad	VLSI and Embedded Systems	01/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
12	J Indu	XXXXXXX73D	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	28/11/2022	2.6	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No
13	G Poorna	XXXXXXX23G	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	17/07/2015	8.9	Assistant Professor	Assistant Professor		Regular	No	04/05/2024	No
14	K Chandana	XXXXXXX77K	M.Tech	Jawaharlal Nehru Technological University Hyderabad	Electrical Power Systems	01/04/2021	3	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	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 Department0

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electrical and Electronics Engineering	**198**	**198**	**198**
DS=Total no. of students in all UG and PG programs in the Department	198	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=** 198	**S2=** 198	**S3=** 198
DF=Total no. of faculty members in the Department	11	11	11
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=** 11	**F2=** 11	**F3=** 11
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 19.80**	**SFR2= 19.80**	**SFR3= 19.80**
Average SFR for 3 years	**SFR= 19.80**		

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 x [(10X + 4Y) / RF)]**
2025-26(CAY)	1	10	9.00	13.89

2024-25(CAYm1)	1	10	9.00	13.89
2023-24(CAYm2)	1	10	9.00	13.89

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * 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 * 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 * 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	0.00	2.00	1.00	6.00	10.00
2024-25	1.00	0.00	2.00	1.00	6.00	10.00
2023-24	1.00	0.00	2.00	1.00	6.00	10.00
Average	RF1=1.00	AF1=0.00	RF2=2.00	AF2=1.00	RF2=6.00	AF2=10.00

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 G Raj Kiran	Scientist “F”	Advance Systems Lab, Defense Research & Development Organization, Kanchanbagh	Recent Trends and Technological Advances in Electric Vehicle Powertrains	30.00
2	Mr G Purushotham Chary	Manager	Greenvion Energy Technologies, Hyderabad	IoT and AI in Solar Monitoring and Control	34.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr G Raj Kiran	Scientist “F”	Advance Systems Lab, Defense Research & Development Organization, Kanchanbagh	Electric Vehicle Technology and Battery Management Systems	34.00
2	Ms D Bharghavi	Electrical Design Engineer	Regal Rexnord Corporation	Advanced AC Motors and Drives for Industrial Applications	32.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr G Purushotham Chary	Manager	Greenvion Energy Technologies, Hyderabad	Power Electronics for Advanced Solar Applications	56.00

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	49	34	34
2	No. of peer reviewed conference papers published	1	0	1
3	No. of books/book chapters published	0	0	0

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

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

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)

(CAYm2)

(CAYm3)

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

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)

(CAYm2)

(CAYm3)

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

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	Electrical Machines Lab/ Electrical & Electronics Design Lab	30	DC shunt motor, DC shunt generator, DC compound motor, Induction motors, Transformer, Synchronous machine, DC series motor, Variac	21 Hrs	Ms O Madhuri	Lab Assistant	B Tech
2	Power Electronics Lab	30	3-Phase Rectifier, Cyclo-converter, Inverters, AC voltage regulator, Forced commutation circuits, Buck-Boost chopper, Firing circuit, PPC, CROs	6 Hrs	Ms K Rajamani	Lab Assistant	M Tech
3	Electrical Circuits Analysis Lab	30	Cathode Ray Oscilloscopes, Function Generators, Regulated Power Supplies, Power Analyzer, Measurement of 3 Phase Power Kit, Kirchhoff's	6 Hrs	Ms K Rajamani	Lab Assistant	M Tech
4	Electrical systems Simulation Lab/ Power System Simulation Lab/	30	HP 406 computers with G1MT Processor (35), MATLAB Version 9.0, PSPICE Software, Batteries, UPS	18 Hrs	Ms R Chaitanya	Lab Assistant	B Sc
5	Control Systems Lab	30	Synchro transmitter and receiver kit, PID Controller Kit, AC Servomotor, Magnetic Amplifier, ON-OFF temperature controller system, Lead-Lag Network	6 Hrs	Ms R Chaitanya	Lab Assistant	B Sc
6	Measurements and Instrumentation Lab	30	Crompton DC potentiometer, Single Phase energy meter, Kelvin double bridge, Schering bridge, Anderson bridge, Phantom loading, Dielectric oil	6 Hrs	Ms O Madhuri	Lab Assistant	B Tech
7	Basic Electrical Engineering Lab	30	Cathode Ray Oscilloscopes, Function Generators, Dual Channel Regulated Power Supplies, Bread Board, Decade Resistance Boxes, Decade	15 Hrs	Ms R Chaitanya	Lab Assistant	B Sc
8	Power Systems Lab	30	DC Rectifier unit, 1-Phase & 3-Phase transformers, 3-Phase variac, IDMT relay, Microprocessor based OV/UV relay, Differential	6 Hrs	Ms O Madhuri	Lab Assistant	B Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electrical Machines Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. Fire extinguishers and sand buckets are available. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in the lab to ensure safety. A first aid box is available in the department.
2	Power Electronics Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. Fire extinguishers is available. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in all labs to ensure safety. A first aid box is available in the department.
3	Electrical Circuits Analysis Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. A first aid box is available in the department. Fire extinguisher is available. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in all labs to ensure safety.
4	Power/Electrical Systems Simulation Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. UPS is available in the lab to avoid power failure. Permission denied for pen drives. A first aid box is available in the department. Fire extinguisher is available. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light.
5	Control systems Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. A first aid box is available in the department. Fire extinguishers is available. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in all labs to ensure safety.

6	Measurements and Instrumentation Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. A first aid box is available in the department. Fire extinguishers is available. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in all labs to ensure safety.
7	Basic Electrical Engineering Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. A first aid box is available in the department. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Protective switch-gear equipment is installed in all labs to ensure safety.
8	Power Systems Lab	General rules of conduct is displayed in the lab. Specific safety rules for students are prominently displayed. A first aid box is available in the department. RPS (Regulated Power Supply) units are provided in all labs to regulate voltage. Well-trained technical support staff are present. Regular checks for leakage in wiring and electrical installations are conducted by the maintenance team. All major equipment is provided with proper earthing systems to protect against electric shock. Periodical servicing of laboratory equipment is carried out. Laboratories are maintained clean and organized. Use of cell phones is discouraged inside the labs. Appropriate storage areas are provided for equipment and materials. A dust-free environment is maintained by regularly cleaning equipment and systems. Sufficient windows are available to ensure proper ventilation and natural light. Sand buckets are kept near the laboratories for immediate use in case of fire. Protective switch-gear equipment is installed in all labs to ensure safety.

D3. Project Laboratory/Research Laboratory

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	24	4	83
2024-25(CAYm1)	480	24	24	4	83

2025-26(CAY)	480	24	23	4	80

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	5000000	3131652	11000000	10241467	6800000	6191397	8000000	7278469
Library	1300000	1279670	140000	1222337	1550000	1413542	1200000	1139267
Laboratory equipment	10000000	1444491	7000000	6609449	10400000	9309086	5700000	5126897
Teaching and non-teaching staff salary	10000000	72531803	100000000	91543423	80000000	72811774	72000000	65490352
Outreach Programs	10000	4300	20000	17200	18000	15600	24000	22396
R&D	150000	27850	370000	339870	138000	126090	110000	100890
Training, Placement and Industry linkage	1200000	168766	1200000	1147073	4200000	3785394	2000000	1708476
SDGs	200000	12230	650000	590251	12000	7100	10000	6640
Entrepreneurship	8000	5500	5000	4500	4500	4100	3500	3200
Miscellaneous Expenses	30000000	11328670	20000000	18714462	25000000	22733065	19388900	17626273
Total	**57868000**	**89934932**	**140385000**	**130430032**	**128122500**	**116397148**	**108436400**	**98502860**

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	380000	56116	500000	404427	250000	198418	150000	120159
Software	120000	103250	100000	84985	30000	18375	70000	63000
SDGs	40000	3057.5	170000	147562.75	5000	1775	5000	1660

Support for faculty development	5000	4500	5000	3120	4000	550	4000	800
R & D	25000	2950	70000	59000	15000	12830	30000	25222.5
Industrial Training, Industry expert, Internship	250000	14244	250000	201567.25	180000	156459	150000	125597.5
Miscellaneous Expenses*	2500000	656295	3200000	2843373.13	2000000	1760239	2500000	2211879
Total	**3320000**	**840412.5**	**4295000**	**3744035.13**	**2484000**	**2148646**	**2909000**	**2548318.0**