NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: B. Tech Electrical & Electronics Engineering

A1: Name of the Institute: - KMEA ENGINEERING COLLEGE

Year of Establishment: 2002 Location of the Institute: Kerala

A2: Institute Address: - KUZHIVELIPADY, EDATHALA P.O., ALUVA

City: Kochi State: Kerala

Pin Code: 683561 Website: kmeacollege.ac.in

E-mail: principal@kmeacollege.ac.in Phone No (with STD Code): 0484 2411003

A3: Name and Address of the Affiliating University (If any): -

Name of the University: APJ Abdul Kalam Technological University City: Thiruvananthapuram

State: Kerala Pin Code: 695016

A4: Type of the Institution: - (Tick the applicable choice)

Institute of National Importance	☐	Deemed University	☐
University	☐	Autonomous	☑
Non-Autonomous (Affiliated)	☐	Any other (Please specify) *	☐

***Provide Details:** UGC conferred autonomous status for a period of 5 years from the Academic year 2025-26 to 2029-30.

A5: Ownership Status: - (Tick the applicable choice)

Central Government	☐	State Government	☐
Government Aided	☐	Self-financing	☑
Any Other (Please specify) *	☐		

***Provide Details:** _____

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

❖No. of UG programs: **8**

❖No. of PG programs: 6

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

S.N.	Discipline	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	Computer Application	PG	Master of Computer Application	2024	–	Computer Science and Engineering
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2024	–	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	2008	–	Civil Engineering
4	Engineering & Technology	PG	Communication Engineering	2011	–	Electronics and Communication Engineering
5	Engineering & Technology	PG	Computer Aided Structural Engineering	2012	–	Civil Engineering
6	Engineering & Technology	PG	Computer Science and Engineering	2011	–	Computer Science and Engineering
7	Engineering & Technology	UG	Computer Science and Engineering	2002	–	Computer Science and Engineering
8	Engineering & Technology	PG	Electrical & Electronics Engineering	2009	–	Electrical & Electronics Engineering
9	Engineering & Technology	UG	Electronics & Communication Engineering	2002	–	Electronics & Communication Engineering
10	Engineering & Technology	PG	Industrial Engineering and Management	2024	–	Mechanical Engineering
11	Engineering & Technology	UG	Mechanical Engineering	2010	–	Mechanical Engineering
12	Engineering & Technology	PG	Power Electronics	2013	–	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Robotics and Automation	2023	–	Electronics and Communication Engineering

14	**Engineering & Technology**	**UG**	**Safety and Fire Engineering**	**2023**	**–**	**Safety and Fire Engineering**

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	**Electrical and Electronics Engineering**	**Electrical & Electronics Engineering**
2.	**Mechanical Engineering**	**Mechanical Engineering**
3.	**Computer Science and Engineering**	**Computer Science and Engineering**
4.	**Civil Engineering**	**Civil Engineering**
5.	**Electronics and Communication Engineering**	**Electronics & Communication Engineering**

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)
1.		

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

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

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake, if any	Year of increase/ decrease	AICTE Approval Details	Accredition Status*	No. of times program accredited
1.	**Electrical & Electronics Engineering**	**2010**	**60**	**Yes**	**2019**	**1-4267384904/2019/EOA**	**Granted accreditation for 3 years for the period (2023-2026)**	**1**

* Write applicable one:

❖Applying first time

❖Granted accreditation for 2/3 years for the period (specify period)

❖Granted accreditation for 5/6 years for the period (specify period)

❖Not accredited (specify visit dates, year).

❖Withdrawn (specify visit dates, year)

❖Not eligible for accreditation.

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

A. Name of the HoD: Dr Leera Raju

B. Nature of appointment: (Tick the applicable choice)

❖Regular ✓
❖**Contract**
❖**Ad hoc**

C. Qualification: (Tick the applicable choice)

❖Ph.D. ✓
❖**ME/M. Tech**
❖**Any other***

***Please provide details:** _____

B3: Program Details

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	**CAY**	**CAYm1**	**CAYm2**	**CAYm3**	**CAYm4 (LYG)**	**CAYm5 (LYGm1)**	**CAYm6 (LYGm2)**
N= Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	30	30	30	30
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	25	28	20	29	29	30	20
N2= Number of student admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	6	2	1	3	2

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	1	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	25	31	26	31	30	34	22

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.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	**CAY**	**CAYm1**	**CAYm2**
N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)	30	30	30
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	25	28	20
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0
Average ER= (ER_1+ ER_2+ ER_3)/3	**81.11**		

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	**LYG (2021-22)**	**LYGm1 (2020-21)**	**LYGm2 (2019-20)**
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).	31	33	325
B=No. of students who graduated from the program in the stipulated course duration	8	14	15
Success Rate (SR)= (B/A)*100	25.1	42.42	46.88

Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	**38.37**

Note ***:** If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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)	6.56	6.23	7.24
Y = Total no. of successful students	9	7	12
Z = Total no. of students appeared in the examination	28	20	29
API = X* (Y/Z)	2.11	2.18	3
Average API = (API_1 + API_2 + API_3)/3	2.43		

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=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)	6.17	6.85	6.21
Y= Total no. of successful students	7	12	10
Z =Total no. of students appeared in the examination	13	14	13
API = X* (Y/Z)	3.32	5.87	4.78
Average API = (API_1 + API_2 + API_3)/3	4.66		

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=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)	7.23	6.32	6.25
Y= Total no. of successful students	9	8	14
Z= Total no. of students appeared in the examination	12	10	14
API = X* (Y/Z)	5.42	5.06	6.25
Average API = (API_1 + API_2 + API_3)/3	5.58		

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	31	33	32
X= No. of students placed	20	25	20
Y= No. of students admitted to higher studies	2	3	2
Z= No. of students taking up entrepreneurship	0	0	0
X + Y + Z =	53	61	54
Placement Index (P) = (((X + Y + Z)/FS) * 100)	64.52	84.85	68.75
Average placement index = (P_1 + P_2 + P_3)/3	72.71		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of FS in Table No. B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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

S.N.	Name of the faculty	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	Natureof Association (Regular/ Contract/ Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1	Dr. Reena Sebastian	Ph.D	KARPAGAM UNIVERSITY, COIMBATORE	APPLIED ELECTRONICS	01/07/2016	9.5	Associate Professor	Professor	07/02/2022	Regular		Yes	
2	Dr. Faseela C.K	Ph.D	NOORUL ISLAM CENTRE FOR HIGHER EDUCATION, NAGERCOIL	POWER SYSTEMS	17/08/2020	5.3	Assistant Professor	Associate Professor	15/02/2021	Regular		Yes	
3	Fareeda A Kareem	M.Tech	CALICUT UNIVERSITY	MANUFACTURINGSYSTEMS MANAGEMENT	21/08/2006	19.3	Assistant Professor	Assistant Professor		Regular		Yes	
4	Femy P.H	Ph.D	MAHATMA GANDHI UNIVERSITY	INDUSTRIAL DRIVES AND CONTROL	03/07/2012	13.5	Assistant Professor	Assistant Professor		Regular		Yes	
5	Sabeena Salam	M.E.	ANNA UNIVERSITY	POWER ELECTRONICS	24/02/2016	9.9	Assistant Professor	Assistant Professor		Regular		Yes	

				AND DRIVES									
6	**Raji T.R**	**M.Tech**	**CALICUT UNIVERSITY**	**POWER SYSTEMS**	**13/09/2007**	**18.3**	**Assistant Professor**	**Assistant Professor**		**Regular**		**Yes**	
7	**Neenu B**	**M.Tech**	**CALICUT UNIVERSITY**	**POWER SYSTEMS**	**02/02/2012**	**13.10**	**Assistant Professor**	**Assistant Professor**		**Regular**		**Yes**	
8	**Nimmy Charles**		**MAHATMA GANDHI UNIVERSITY**	**POWER ELECTRONICS**	**24/07/2017**	**8.4**	**Assistant Professor**	**Assistant Professor**		**Regular**		**Yes**	

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

S.N.	Name of the faculty	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)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")

1													
..													

C2: Student-Faculty Ratio (SFR)

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

- ➢ UG1=1st UG program
- ➢ $UG_n=n^{th}$ UG program
  - ▪ **B=** No. of Students in UG 2^{nd} year (**ST**)
  - ▪ **C=** No. of Students in UG 3^{rd} year (**ST**)
  - ▪ **D=** No. of Students in UG 4^{th} year (**ST**)

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

- ➢ $PG_1=1^{st}$ PG program.
- ➢ $PG_m=m^{th}$ PG program
  - ▪ **A=** No. of Students in PG 1^{st} year
  - ▪ **B=** No. of Students in PG 2^{nd} 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)).

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

Year	CAY	CAYm1	CAYm2
UG_1. B // 2nd year students of UG_1 program	33	33	32
UG_1. C // 3nd year students of UG_1 program	33	32	31
UG_1. D // 4th year students of UG_1 program	32	31	33
UG_1 // Total no.of students(2nd, 3rd, 4th) in UG_1 program	UG_1.B+ UG_1.C+ UG_1.D = 98	UG_1.B+ UG_1.C+ UG_1.D = 96	UG_1.B+ UG_1.C+ UG_1.D= 96
UG_n. D // 4th year students of UG_n program			
UG_n // Total no.of students(2nd, 3rd, 4th) in UG_n program	UG_n.B+UG_n.C+UG_n.D	UG_n.B+UG_n.C+UG_n.D	UG_n.B+UG_n.C+UG_n.D
PG_1. A // 1st year students of PG_1 program	12	12	18
PG_1. B // 2nd year students of PG_1 program	12	18	18
PG_1 // Total no.of students(1st, 2nd) in PG1 program	PG_1.A+ PG_1.B = 24	PG_1.A+ PG_1.B =30	PG_1.A+ PG_1.B =36
PG_m // Total no.of students(1st, 2nd) in PGm program	PG_m.A+ PG_m.B	PG_m.A+ PG_m.B	PG_m.A+ PG_m.B
=Total no. of students in all UG and PG programs in the Department	122	126	132
=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)	122	126	132

DF=Total no. of faculty members in the Department	8	8	8
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)	8	8	8
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= 17.43	SFR2=18.00	SFR3=18.86
Average SFR for 3 years	Average SFR=18.10		

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	FQI= 2.5 * [(10X +4Y)/RF]
CAY	**2**	**6**	**6.00**	**18.33**
CAYm1	**2**	**6**	**6.00**	**18.33**
CAYm2	**2**	**6**	**6.00**	**18.33**

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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	1.00	1.00	1.00	1.00	4.00	6.00
CAYm1	1.00	1.00	1.00	1.00	4.00	6.00
CAYm2	1.00	1.00	1.00	1.00	4.00	6.00
Average Numbers	RF1= 1.00	AF1= 1.00	RF2= 2.00	AF2= 1.00	RF3= 4.00	AF3= 6.00

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1				
1	**Mohamed Shafeeque N**	**CEO & Managing Director,Illumine Energy Pvt.Ltd**	**Advanced Control Theory, Renewable Energy Systems**	**60**
			Total no. of hours:	**90**
CAYm2				
1				
2				
			Total no. of hours:	
CAYm3				
1				
			Total no. of hours:	

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published			1
2	No. of peer reviewed conference papers published		2	2
3	No. of books/book chapters published			1

C7: Sponsored Research Project

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

S.N.	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)
CAYm1							
1							
..							
Amount received (Rs.)							**0.00**
CAYm2							
1							
...							
Amount received (Rs.)							
CAYm3							
1							
..							
Amount received (Rs.)							
Total Amount (Lacs) Received for the Past 3 Years							

C8: Consultancy Work

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

S.N.	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)
CAYm1							
1							
..							
Amount received (Rs.)							

CAYm2							
1							
…							
Amount received (Rs.)							
CAYm3							
1							
..							
Amount received (Rs.)							
Total amount (Lacs) received for the past 3 years							

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.

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1						
1						
..						
Amount received (Rs.)						
CAYm2						
1						
..						
Amount received (Rs.)						
CAYm3						

1						
..						
Amount received (Rs.)						
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.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major 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**	**30**	**Three phase squirrel cage induction motor, Three phase slip ring induction motor, Single phase induction motor, Single phase transformer, Three phase transformer, Induction generator, Synchronous motor, Alternator, DC motor generator set, DC motors, DC generators, SCR controlled rectifier**	**3 hours per week**	**Ms. Resia Rehmath C. K.**	**Lab Instructor**	**Diploma**
2	**Electrical Measurements Lab**	**30**	**Potentiometer, Single phase energy meter, Three phase energy meter,**	**3 hours per week**	**Ms. Resia Rehmath C. K.**	**Lab Instructor**	**Diploma**

			Current transformer, Potential transformer, Kelvin's double bridge, LVDT, Inductive load, Single phase transformer, Clamp-on meter				
3	**Power Electronics Lab**	**30**	**Digital storage oscilloscope, DC- DC chopper kit, PWM based IGBT inverter kit, Buck-Boost converter kit, Single phase SCR based controlled rectifier kit, Three phase SCR based controlled rectifier kit, Single phase isolation transformer, Regulated DC dual power Supply, Regulated DC power supply**	**3 hours per week**	**Ms. Semeera A A**	**Lab Instructor**	**Diploma**
4	**Electronic Circuits Lab**	**30**	**Digital storage oscilloscope, Cathode ray oscilloscope, Function generator**	**3 hours per week**	**Ms. Semeera A. A.**	**Lab Instructor**	**Diploma**
5	**System and Control Lab**	**30**	**Temperature process controller, Level process controller, AC servomotor, DC servomotor, Synchro transmitter and receiver kit, Stepper motor controller, Desktop computers, Printer, MATLAB**	**3 hours per week**	**Ms. Semeera A. A.**	**Lab Instructor**	**Diploma**

			simulink software				
6	Mechanical Systems Laboratory	4	1. Emissivity Apparatus Heat Pipe 2.Demonstration Apparatus 3. Parallel and Counter Flow Heat Exchanger 4. Natural 5. Convection Apparatus 6. Lagged Pipe Apparatus 7. Air Conditioning Test Rig 8.Refrigeration Test Rig 9. Stefan 10.Boltzmann Apparatus 11. Critical Heat Flux Apparatus 12. Thermal Conductivity of Insulating Material 13. Thermal Conductivity of Composite Wall 14. Forced Convection Apparatus	18	Abdul Rassack K M	Laboratory Instructor	Diploma in Mechanical Engineering
7	Power Systems Lab	30	Electro-mechanical overcurrent relay test kit, Microprocessor based over voltage relay test kit, Transformer oil test set, Variable AC current/voltage source for CT & PT test, CT & PT	3 hours per week	Ms. Semeera A. A.	Lab Instructor	Diploma
8	Electrical Workshop	30	Wiring accessories and tools, Single phase inverter, Earth megger, Single phase	6 hours per week	Ms. Anne Shah Khureshi A H	Lab Instructor	B. Tech

			energy meter, Lead acid battery				

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	**Electrical Machines Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Insulating mats are provided.** • **Fuses and Miniature Circuit Breakers (MCB) are provided to safeguard the equipment.**
2	**Electrical Measurements Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Insulating mats are provided.** • **Fuses and MCBs are provided to safeguard the equipment.**
3	**Power Electronics Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**
4	**Electronic Circuits Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**

5	**System and Control Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**
6	**Power Systems Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**
7	**Research Lab**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**
8	**Electrical Workshop**	• **Safety measure charts are displayed in the laboratory.** • **All power supply lines are properly insulated and covered.** • **Emergency and first aid kits are available.** • **Fire Extinguishers are available.** • **Fuses and MCBs are provided to safeguard the equipment.**

D3: Project Laboratory/Research Laboratory

Table No. D3.1: List of project laboratory/research laboratory /Centre of Excellence.

S.N.	Name of the Laboratory
1.	**Project Lab**
2.	**Research Lab**
3.	**CARE lab**
4.	**Incubation center**

PART E: Fist 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))/RF4
CAY	360	18	13	26	87
CAYm1	390	20	15	35	95
CAYm2	480	24	19	34	92

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 CFY	Actual expenses in CFY (till ...)	Budgeted in CFYm1	Actual Expenses in CFYm1	Budgeted in CFYm2	Actual Expenses in CFYm2	Budgeted in CFYm3	Actual Expenses in CFYm3
Infrastructure Built-Up	8440000	1674318	8520000	8964668	15500000	12737638	1930500	2394813
Library	1838000	132062	910000	816463	1500000	931933	2572500	1415076
Laboratory equipment	6214000	1375218	228000	157247	5263000	4924895	1440000	3881504
Teaching and non-teaching staff salary	55000000	38447814	54000000	53519813	50650000	50182658	50650000	49203095
Outreach Programs	200000	35785	100000	14327	100000	59553	100000	31600
R&D	500000	0	523000	122870	137500	31586	100000	0
Training, Placement and Industry linkage	300000	153636	2317000	315884	800000	1382732	600000	568494

SDGs	1800000	168756 88	312000 0	518413	500000	53345	190000 0	51628
Entrepreneurship	500000	64719	50000	45000	900000	858044	700000	621467
Others*, pl. specify	1400000 0	110343 83	868400 0	137911 71	102950 0	799836 4	181910 00	105821 95
Total amount	**104992 000**	**697936 23**	**784520 00**	**782658 56**	**763800 00**	**791607 48**	**781840 00**	**687498 72**

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 CFY**	**Actual expenses in CFY (till …)**	**Budgeted in CFY*m*1**	**Actual Expenses in CFY*m*1**	**Budgeted in CFY*m*2**	**Actual Expenses in CFY*m*2**	**Budgeted in CFY*m*3**	**Actual Expenses in CFY*m*3**
Laboratory equipment	667000	251145	30000	141978	200000	0	160000	179000
Software	0	0	0	0	0	0	0	0
SDGs	180000	74000	180000	137850	100000	53950	50000	0
Support for faculty development	24000	0	30000	0	10000	2500	20000	0
R & D	30000	0	30000	0	15000	0	0	0
Industrial Training, Industry expert, Internship	100000	0	100000	0	100000	9045	30000	3500
Miscellaneous expenses *	36000	0	20000	4123	35000	8528	35000	20889
Total amount	**1037000**	**325145**	**390000**	**283951**	**460000**	**74023**	**295000**	**203389**