

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechanical Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 2
Application No: 11479	Date of Submission: 16-01-2026

PART A- Profile of the Institute

A1.Name of the Institute: GOVT.COLLEGE OF ENGG,KANNUR DISTRICT,KERALA	
Year of Establishment : NIL	Location of the Institute: Andoor
A2. Institute Address: P.O PARASSINIKKADAVU	
City:KANNUR	State:Kerala
Pin Code:670563	Website:www.gcek.ac.in
Email:PRINCIPAL@GCEK.AC.IN	Phone No(with STD Code):0497-2780226
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Thiruvananthapuram
State : Kerala	Pin Code: 695023
A4. Type of the Institution: Government Institute	
A5. Ownership Status: State Government	

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

- No. of UG programs: **5**
- No. of PG programs: **9**

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	PG	Advanced Manufacturing and Mechanical Systems Design	2011	--	Mechanical Engineering
2	Engineering & Technology	PG	Artificial Intelligence and Data Science	2024	--	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	1986	--	Civil Engineering
4	Engineering & Technology	PG	Computer Aided Structural Engineering	2012	--	Civil Engineering
5	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
6	Engineering & Technology	UG	Electrical & Electronics Engineering	1986	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	1986	--	Electronics and Communication Engineering
8	Engineering & Technology	PG	Energy Engineering	2020	--	Mechanical Engineering

9	Engineering & Technology	PG	Geotechnical & Geoenvironmental Energy	2022	--	Civil Engineering
10	Engineering & Technology	PG	Internet of Things (IOT)	2025	--	Electronics and Communication Engineering
11	Engineering & Technology	UG	Mechanical Engineering	1986	--	Mechanical Engineering
12	Engineering & Technology	PG	Power Electronics & Drives	2011	--	Electrical and Electronics Engineering
13	Engineering & Technology	PG	Power Systems	2019	--	Electrical and Electronics Engineering
14	Engineering & Technology	PG	Signal Processing and Embedded Systems	2012	--	Electronics and Communication 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
Civil Engineering	No	Civil Engineering	UG
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Mechanical Engineering	No	Mechanical 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	PROGRAM DURATION
1	Mechanical Engineering	UG	1986 / --	40	Yes	1999	60	1999	770-54-207/RC/94 dated 2/9/1999	Granted accreditation for 3 years for the period (specify period)	2023	2026	4	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. Govindan P.
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	60	59	58	58	60	58	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	6	9	6	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	9	9	10	7	9	9	3
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	69	74	74	74	75	74	69

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	9	115.00
2024-25 (CAYm1)	60	59	9	113.33
2023-24 (CAYm2)	60	58	10	113.33

Average [(ER1 + ER2 + ER3) / 3] = 113.89≡ 100

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).	75.00	74.00	69.00
B=No. of students who graduated from the program in the stipulated course duration	47.00	59.00	62.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 76.97

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)	7.73	7.22	7.09
Y=Total no. of successful students	49.00	35.00	51.00
Z=Total no. of students appeared in the examination	68.00	68.00	65.00
API $[X*(Y/Z)]$	5.57	3.72	5.56

Average API [(AP1+AP2+AP3)/3] : 4.95

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)	7.33	7.12	7.10
Y=Total no. of successful students	28.00	39.00	47.00
Z=Total no. of students appeared in the examination	41.00	60.00	56.00
API $[X * (Y/Z)]$	5.01	4.63	5.96

Average API [(AP1 + AP2 + AP3)/3] : 5.20

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)	7.26	7.08	7.58
Y=Total no. of successful students	35.00	47.00	59.00
Z=Total no. of students appeared in the examination	39.00	47.00	59.00
API $[X*(Y/Z)]$:	6.52	7.08	7.58

Average API [(AP1 + AP2 + AP3)/3] : 7.06

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	66.00	67.00	66.00
X=No. of students placed	21.00	30.00	30.00
Y=No. of students admitted to higher studies	1.00	7.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	33.33	55.22	50.00

Average Placement Index = (P_1 + P_2 + P_3)/3: 46.18 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. Mahesh Kumar P.	XXXXXXX09R	Ph.D	NIT Calicut	Thermal Sciences	07/06/2010	15.7	Associate Professor	Professor	17/10/2012	Regular	Yes		No
2	Dr Sooraj P	XXXXXXX14R	Ph.D	IIT Kharagpur	Industrial Engineering and Management	20/01/2000	25.11	Lecturer	Professor	29/01/2015	Regular	Yes		No
3	Dr. Shaji K.	XXXXXXX10H	Ph.D	IIT Madras	Thermal Sciences	27/08/2025	0.4	Professor	Professor	27/08/2025	Regular	Yes		No
4	Dr. Sreejith B.	XXXXXXX15G	Ph.D	IIT Bombay	Reliability Engineering	29/06/2022	7	Professor	Professor	29/06/2022	Regular	No	23/08/2025	No
5	Dr. Govindan P.	XXXXXXX36L	Ph.D	IIT Bombay	Manufacturing Engineering	08/06/2006	19.7	Lecturer	Professor	15/02/2021	Regular	Yes		Yes
6	Dr. Sudheesh Kumar C. P.	XXXXXXX08N	Ph.D	IIT Madras	Machine Design	08/12/2003	22.1	Lecturer	Professor	22/06/2020	Regular	Yes		No
7	Dr. Sajeeb A. M.	XXXXXXX97F	Ph.D	NIT Calicut	Mechanical Design	29/06/2022	3.2	Professor	Professor	29/06/2022	Regular	No	16/09/2025	No
8	Dr. Abdul Nazar K. P.	XXXXXXX65N	Ph.D	NIT Calicut	Industrial Engineering	21/12/2006	19	Lecturer	Associate Professor	31/07/2018	Regular	Yes		No
9	Mr. Dhanesh Chatta	XXXXXXX28C	M.Tech	IIT Bombay	Energy Systems Engineering	18/07/2006	18.1	Lecturer	Associate Professor	18/07/2016	Regular	No	31/08/2024	No
10	Mr. Rajan T.	XXXXXXX09K	M.Tech	University of Kerala	Machine Design	29/10/2010	15.2	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Kishor Kumar V. V,	XXXXXXX33R	Ph.D	NIT Calicut	Cryogenic Regenerators	22/01/2014	11.11	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. Jose M. J.	XXXXXXX89A	M.Tech	Anna University Chennai	Industrial Engineering	01/08/2014	11.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. Nishanth K.	XXXXXXX07D	M.Tech	IIT Madras	Thermal Engineering	16/12/2013	10.7	Assistant Professor	Assistant Professor		Regular	No	22/07/2024	No
14	Mr. Priyak N. K.	XXXXXXX31C	M.Tech	NIT Calicut	Thermal Sciences	03/06/2013	11.1	Assistant Professor	Assistant Professor		Regular	No	30/07/2024	No

15	Mr. Shijin Maniyath	XXXXXXX44A	M.Tech	NIT Calicut	Thermal Sciences	02/08/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. Roshindas M. P.	XXXXXXX86A	M.Tech	Calicut University	Thermal Engineering	07/08/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. Muhammed Anees V. V.	XXXXXXX94J	M.Tech	NIT Calicut	Industrial Engineering and Management	21/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Jayesh Babu K. R.	XXXXXXX96L	M.Tech	NIT Calicut	Thermal Sciences	01/01/2022	2.6	Assistant Professor	Assistant Professor		Regular	No	22/07/2024	No
19	Mr. Sarath K. P.	XXXXXXX04B	M.Tech	NIT Calicut	Manufacturing Technology	07/09/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr. Vipin R. G.	XXXXXXX64B	M.E.	Anna University Chennai	Manufacturing Engineering	01/02/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. Arun M.	XXXXXXX56G	M.Tech	NIT Calicut	Material Science and Technology	25/11/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr. Vipin Das M. P.	XXXXXXX60R	M.Tech	Kannur University	Advanced Manufacturing and Mechanical System Design	01/09/2021	4.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Mr. Adarsh Prabhakaran	XXXXXXX94Q	M.Tech	APJ Abdul Kalam Technological University	Energy Engineering	05/08/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Jafer T. P.	XXXXXXX83H	M.Tech	APJ Abdul Kalam Technological University	Manufacturing Systems Management	08/05/2023	2.1	Assistant Professor	Assistant Professor		Contractual Fulltime	No	25/06/2025	No
25	Mr. Sajin E.	XXXXXXX28C	M.Tech	Kannur University	Advanced Manufacturing and Mechanical System Design	22/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Mr. John Paul Jacob	XXXXXXX07H	M.Tech	APJ Abdul Kalam Technological University	Industrial Engineering and Management	24/04/2023	2.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	25/06/2025	No
27	Mr. Jithin K.	XXXXXXX05C	M.Tech	APJ Abdul Kalam Technological University	IC Engines and Turbomachinery	31/08/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
28	Mr. Abhimanyu Ramachandran P.	XXXXXXX10N	M.Tech	APJ Abdul Kalam Technological University	Advanced Manufacturing and Mechanical System Design	24/09/2024	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	25/06/2025	No

29	Mr. Chanchal S. Pradeep	XXXXXXX77J	M.Tech	VIT	Manufacturing Engineering	30/10/2024	1.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
30	Mr. Ramprasidh	XXXXXXX11M	M.E.	Anna University Chennai	Engineering Design	01/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
31	Mr. Gokul K. A.	XXXXXXX67K	M.Tech	APJ Abdul Kalam Technological University	Advanced Manufacturing and Mechanical System Design	24/09/2025	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	01/01/2026	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 Department2

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: Mechanical Engineering	198	198	198
PG1.A	12	18	18
PG1.B	18	18	18
PG1: Advanced Manufacturing and Mechanical Systems Design	30	36	36
PG2.A	12	18	18
PG2.B	18	18	18
PG2: Energy Engineering	30	36	36
DS=Total no. of students in all UG and PG programs in the Department	258	270	270

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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= 258	S2= 270	S3= 270
DF=Total no. of faculty members in the Department	20	20	20
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= 20	F2= 20	F3= 20
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= 13.58	SFR2= 14.21	SFR3= 14.21
Average SFR for 3 years	SFR= 14.00		

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)	7	13	12.00	25.42
2024-25(CAYm1)	8	12	13.00	24.62
2023-24(CAYm2)	8	12	13.00	24.62

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	5.00	2.00	1.00	8.00	8.00
2024-25	1.00	6.00	3.00	1.00	9.00	7.00
2023-24	1.00	6.00	3.00	1.00	9.00	10.00
Average	RF1=1.00	AF1=5.67	RF2=2.67	AF2=1.00	RF2=8.67	AF2=8.33

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	Sarathlal T P	Senior Design Engineer - Steel Structures	ULCCS Ltd. Kerala	Career Opportunities in Construction Technology and Management	6.00
2	Dr. Roy Thankachan	Scientist/Engineer	VSSC Thumba	SPACE SCIENCE and ISRO	6.00
3	Shreejith T V	Scientist/Engineer	LPSC, ISRO, Thiruvananthapuram	Activities/Contributions of LPSC towards Indian Space Programme	6.00
4	Er. Augustine Jacob	Supervisor	STAR Technical and Trading Services, Bristol, United Kingdom	Career development and Higher Education Opportunities in UK	6.00
5	Dr. K. Gangadharan Nair	Professor	Retired from GCE Kannur	Energy audit of pumps	6.00
6	Er. Mahesh Adodan Veettil	lead QA/QC Engineer	EPCM, Basra, Iraq	Opportunities for Mechanical Engineers in the Oil and Gas Industries	6.00
7	Er. Bibin George Baby	CNC Team Director	ANCA CNC machines Ltd.	recent opportunities in CNC machine tools sector	6.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Pradeepan Periyat	Head of the Department, Department of Environmental Studies	Kannur University	Nanotechnology (Nanomaterials for Energy and Environment)	4.00
2	Dr. Sailesh R.	Assistant Professor	GEC Wayanad	Current Trends in Additive Manufacturing	6.00
3	Dr. Vineesh K. P.	Assistant Professor	NIT Calicut	Vehicle Dynamics	6.00
4	Dr. Aboobacker Kadengal	Professor	LBS College of Engineering, Kasaragod	Machine Learning-An overview and its application in Mechanical Engineering Domains	6.00
5	Rajesh Babu T. V.	General Manager	DKH Kia Calicut	Leadership and Management Skills	6.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Kiran Raj M.	Assistant Professor in Applied Mechanics	IIT Madras	Bio-Inspired Engineering and Biomimetics	1.00

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	5	3	2
2	No. of peer reviewed conference papers published	7	5	15
3	No. of books/book chapters published	0	1	0

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(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
Dr. Sudheesh Kumar C. P.		Mechanical Engineering	Investigation of the influence of partial noise enclosure and layout of looms on noise generation in power loom units	KDST-SERB- CRG	3 years	19.80
Dr. Kishor Kumar V. V.		Mechanical Engineering	Design and development of a solar cell-powered thermoelectric cold storage facility	ANERT	3.5 years	7.90
						Amount received (Rs.):27.70

Total Amount (Lacs) Received for the Past 3 Years: 27.70**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
						Amount received (Rs.):0

(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
Shijin Maniyath		CCA (ITC and SR)	Tank Lorry	KCCPL	1 month	42.00
						Amount received (Rs.):42.00

(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
Dr. P. Sooraj		Kannur Municipal Corporation	CCTV Survelience	Kannur Municipal Corporation	1 year	195.00
Shijin Maniyath		CCA	Inspecting Gas Crematorium	SILK	1 week	50.00
Dr. P. Sooraj		Kannur District Panchayath	Smart Eye Project	Kannur District Panchayath	1 year	7.13
Nishanth K.		Anjarakkandy Grama Panchayath	Gas Crematorium	Anjarakkandy Grama Panchayath	3 months	0.20
						Amount received (Rs.):252.33

Total amount (Lacs) received for the past 3 years: 294.33

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
			Amount received (Rs.): 0		

(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
			Amount received (Rs.): 0		

(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
Priyak N. K.	Experimental investigation on effect of pretreatment by torrefaction	2	2.00	1.96	Development of torrefaction reactor test setup, conference paper
			Amount received (Rs.): 2.00		

Total amount (Lacs) received for the past 3 years : 2.00

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	Basic Mechanical Engineering Workshop	3	MIG WELDING MACHINE	12	MANJUNADHADAS K	Instructor Gr I	M Tech, B Tech
2	Basic Mechanical Engineering Workshop: Welding	3	PORTABLE WELDING MACHINE, CUT-OFF MACHINE, ANGLE GRINDER,ELECTRIC ARC WELDING MACHINE, DC WELDING GENERATOR	12	MUHAMMED KUNJI KV	Trade Instructor	NTC
3	Basic Mechanical Engineering Workshop: Fitting	3	ANVIL, BENCH GRINDER, DRILLING MACHINE	12	JOBISH M	Trade Technician	NTC
4	Basic Mechanical Engineering Workshop:Foundry	3	DRAG & COPE, DIE	12	SHIJU KV	Trade Technician	ITI
5	Basic Mechanical Engineering Workshop:Carpentry	3	BENCH VICE	12	RANJITH P.	Trade Technician	B Tech, Diploma
6	Basic Mechanical Engineering Workshop:Smithy	3	BLOWER, ANVIL, HAND BLOWER, NON-FERROUS CRUCIBLE FURNACE	12	SIVADEEPAN CV	Instructor Gr II	Diploma
7	Basic Mechanical Engineering Workshop:Sheetmetal	3	HAND SHEARING MACHINE, BENCH VICE, STAKES	12	SOJAN ANTONY	Trade Instructor	Diploma
8	Fluid Mechanics Lab	3	VENTURI METER TEST RIG, ORIFICE METER TEST RIG, REYNOLDS APPARATUS, BERNOULLI'S THEOREM TEST RIG, TEST RIG OF PIPE	6	SHAJEESH K.	Instructor Gr II	Diploma
9	Fluid Machinery Lab	3	PELTON TURBINE TEST RIG, FRANCIS TURBINE TEST RIG, KAPLAN TURBINE TEST RIG, CENTRIFUGAL PUMP TEST RIG, RECIRCULATING	6	SREEJITH P.S.	Trade Instructor	NTC
10	Production Engineering Lab	3	CENTRE LATHE, SHAPER MACHINE, SLOTTING MACHINE, PILLAR TYPE DRILLING MACHINE, UNIVERSAL MILLING MACHINE (HORIZONTAL)	6	SHYJU MN	Instructor Gr II	Diploma
11	Heat Engines Lab	3	TWO STAGE AIR COMPRESSOR, SINGLE CYLINDER 4 STROKE DIESEL ENGINE (ANIL- MECHANICAL LOADING), SINGLE CYLINDER 4	6	ABDUL SHUKKOOR O M	Instructor Gr I	M Tech, B Tech
12	Heat Transfer Lab	3	NATURAL CONVECTION APPARATUS, PARALLEL FLOW- COUNTER FLOW HEAT EXCHANGER, STEAM BOILER APPARATUS, SHELL AND	6	SURESH VT	Instructor Gr II	ITI
13	Refrigeration and Air Conditioning Lab	3	VAPOUR COMPRESSION REFRIGERATION TEST RIG, ICE PLANT TEST RIG, MECHANICAL HEAT PUMP DOMESTIC REFRIGERATION TEST RIG	6	SREEPRASAD KK	Trade Technician	B Tech
14	Instrumentation Lab	3	DIGITAL TEMPERATURE INDICATOR, DEAD WEIGHT PRESSURE GAUGE TESTER, GAUGE PAN (ALUMINIUM), CUBIC GAUGE BOX 100	6	VINOD B	Instructor Gr II	Diploma
15	Dynamics Lab	3	ACCELEROMETER 50 G RANGE, SPRING MASS TEST RIG, BEAM TRANSVERSE VIBRATION SETUP, BALANCING OF ROTATING SYSTEM, DATA	6	SUNIL KUMAR T	Instructor Gr II	NTC

16	CAD & Computational Lab	1	SOLIDWORKS, CREO ELEMENTS/PRO E, 3D PLM SOFTWARE CATIA, 3D VISUAL SOFTWARE- AUTOMOBILE MANUFACTURING	8	SHIJU M	Instructor Gr II	Diploma
17	Advanced Manufacturing Lab	3	CNC LATHE MACHINE, CNC VERTICAL MILLING MACHINE, 3-D PRINTER, SURFACE ROUGHNESS TESTING MACHINE, DESIGNED ELECTRICAL	6	SHINOJ M C	Instructor Gr II	Diploma
18	Engineering Software Lab	1	ANSYS WORKBENCH SOFTWARE	6	DILEEPAN T	Trade Instructor	NTC

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Basic Mechanical Engineering Workshop	• Dress Code which ensures students wearing tight dress with strong shoes • Goggles are provided for protecting eyes during welding, chipping, or grinding. • Shield, gloves, and apron are provided to protect self during welding. • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured. • It is ensured that no inflammable materials are kept in laboratories.
2	Heat Engines Laboratory	• Dress Code which ensures students wearing tight dress with strong shoes • Fire Buckets are maintained. • Proper earthing for all electrical machines • All the dangerous moving parts of machines are covered. • First Aid Box is maintained. • It is ensured that no inflammable materials are kept in laboratories.
3	Heat Transfer Laboratory	• Dress Code which ensures students wearing tight dress with shoes • Apron is provided to protect self during machining. • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured. • It is ensured that no inflammable materials are kept in laboratories.
4	Refrigeration & Air Conditioning Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment • All the dangerous moving parts in machines are covered. • It is ensured that no inflammable materials are kept in laboratories.
5	Fluid Mechanics Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment • All the dangerous moving parts in machines are covered. • It is ensured that no inflammable materials are kept in laboratories.
6	Fluid Machinery Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment • Only LCD monitors are used in place of CRT monitors to reduce strain on eyes. • Ergonomically designed computer chairs are provided to reduce fatigue. • It is ensured that no inflammable materials are kept in laboratories.
7	Production Engineering Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured. • It is ensured that no inflammable materials are kept in laboratories.

8	CAD & Computational Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured.
9	Engineering software Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured.
10	Advanced Manufacturing Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured. • It is ensured that no inflammable materials are kept in laboratories.
11	Instrumentation Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured
12	Dynamics Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured
13	Project Lab – I & Project Lab - II	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured
14	Research Laboratory : Energy Engineering Laboratory	• Dress Code which ensures students wearing tight dress with shoes • First Aid Box is maintained. • Fire Extinguishers are installed. • Proper earthing for all electrical equipment is ensured

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)	330	16	14	2	72

2024-25(CAYm1)	330	16	14	2	72
2025-26(CAY)	330	16	14	2	72

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	531936	531936	176855	176855	4934608	4934608	926098	926098
Library	0	0	8968	8968	622106	622106	818656	818656
Laboratory equipment	6440368	6440368	0	0	14957	14957	73401	73401
Teaching and non-teaching staff salary	309203474	309203474	276399291	276399291	261305631	261305631	291213769	291213769
Outreach Programs	0	0	309600	309600	300000	300000	360000	360000
R&D	768568	768568	3965030	3965030	4106047	4106047	1007434	1007434
Training, Placement and Industry linkage	0	0	393933	393933	66368	66368	235216	235216
SDGs	152139	152139	1330605	1330605	347706	347706	945862	945862
Entrepreneurship	0	0	75594	75594	0	0	14000	14000
Others, specify	5763502	5763502	471510	471510	5085141	5085141	2167949	2167949
Total	322859987	322859987	283131386	283131386	276782564	276782564	297762385	297762385

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	5015	5015	3428515	3428515	230391	230391	98263	98263
Software	407	407	407	407	407	407	0	0
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	0	0	0	0	0	0	0	0

R & D 	0	0	0	0	0	0	0	0
Industrial Training, Industry expert, Internship  	0	0	0	0	0	0	0	0
Miscellaneous Expenses* 	113723	113723	14944	14944	1328335	1328335	344788	344788
Total	119145	119145	3443866	3443866	1559133	1559133	443051	443051