NATIONAL BOARD OF ACCREDITATION

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

Program Name : Civil 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	Civil Engineering	UG	1986 / --	40	Yes	1999	60	1999	770-54-207/RC/94 dated 2nd Sept 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. Vandana Sreedharan
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	60	60	60	60	60	60
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	7	7	10	6	10
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	10	8	8	7	6	7	1
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	70	74	75	74	76	73	71

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	10	116.67
2024-25 (CAYm1)	60	60	8	113.33
2023-24 (CAYm2)	60	60	8	113.33

Average [(ER1 + ER2 + ER3) / 3] = 114.44≡ 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).	76.00	73.00	71.00
B=No. of students who graduated from the program in the stipulated course duration	68.00	64.00	56.00
Success Rate (SR)= (B/A) * 100	89.47	87.67	78.87

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 85.34

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)	7.81	7.30	7.61
Y=Total no. of successful students	59.00	56.00	54.00
Z=Total no. of students appeared in the examination	68.00	68.00	67.00
API [X*(Y/Z)]	6.78	6.01	6.13

Average API[(AP1+AP2+AP3)/3] : 6.31

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)	7.46	7.61	7.60
Y=Total no. of successful students	56.00	56.00	69.00
Z=Total no. of students appeared in the examination	63.00	61.00	71.00
API [X * (Y/Z)]	6.63	6.99	7.39

Average API [(AP1 + AP2 + AP3)/3] : 7.00

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)	7.63	7.60	7.86
Y=Total no. of successful students	54.00	68.00	64.00
Z=Total no. of students appeared in the examination	56.00	69.00	64.00
API [X*(Y/Z)]:	7.36	7.49	7.86

Average API [(AP1 + AP2 + AP3)/3] : 7.57

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	70.00	66.00	70.00
X=No. of students placed	25.00	32.00	25.00
Y=No. of students admitted to higher studies	7.00	16.00	20.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	45.71	72.73	64.29

Average Placement Index = (P_1 + P_2 + P_3)/3: 60.91 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. Rajesh K N	XXXXXXX09E	Ph.D	IIT Madras	Structural Engineering	18/07/2006	19.5	Assistant Professor	Professor	01/06/2016	Regular	Yes		No
2	Dr Rajeevan B	XXXXXXX30E	Ph.D	IIT Madras	Structural Engineering	01/06/2000	25.7	Assistant Professor	Professor	01/06/2016	Regular	Yes		No
3	Dr. Vandana Sreedharan	XXXXXXX19E	Ph.D	IISC Bangalore	Geotechnical Engineering	02/06/2001	24.7	Assistant Professor	Professor	10/12/2014	Regular	Yes		Yes
4	Dr. Minimol Pieus T.	XXXXXXX61P	Ph.D	Calicut University	Environmental Engineering	01/07/2022	3.2	Professor	Professor	01/07/2022	Regular	No	16/09/2025	No
5	Dr. Ajith M S	XXXXXXX31E	Ph.D	Kerala University	Structural Engineering	24/06/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr. Narayanan N I	XXXXXXX54C	Ph.D	IIT Bombay	Structural Engineering	01/06/2012	13.7	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr. Deepu S P	XXXXXXX34R	Ph.D	IISC Bangalore	Structural Engineering	20/02/2019	5.4	Assistant Professor	Assistant Professor		Regular	No	02/07/2024	No
8	Shreesh Ajaykumar	XXXXXXX76N	M.Tech	NIT Kurushetra	Soil mechanics and foundation engineering	26/07/2019	4.11	Assistant Professor	Assistant Professor		Regular	No	20/07/2024	No
9	Nijesh C	XXXXXXX78Q	M.Tech	IIT Madras	Structural Engineering	26/08/2021	2.10	Assistant Professor	Assistant Professor		Regular	No	20/07/2024	No
10	Smrithi A	XXXXXXX85H	M.Tech	SVNIT SURAT	Soil mechanics and foundation Engineering	04/10/2021	2.7	Assistant Professor	Assistant Professor		Contractual Fulltime	No	27/05/2024	No
11	Mohammed Shafeeque V	XXXXXXX14N	M.E.	Anna University	Structural Engineering	01/06/2023	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	21/09/2023	No
12	Farsana C.	XXXXXXX56K	M.Tech	NITK Surathkal	Construction technology and management	01/06/2023	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	15/05/2024	No
13	Fidha Parveen Shafeek	XXXXXXX53F	M.Tech	CUSAT	Geotechnical Engineering	01/06/2023	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	15/05/2024	No
14	Greeshma K T N	XXXXXXX10G	M.Tech	NITK Surathkal	Environmental Engineering	11/07/2023	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/11/2024	No

15	Saranya Sasi	XXXXXXX37H	M.Tech	KTU	Transportation Engineering	24/08/2023	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	25/01/2024	No
16	Kumkuma I P	XXXXXXX90P	M.E.	Anna University	Structural Engineering	24/08/2023	0.8	Assistant Professor	Assistant Professor		Contractual Fulltime	No	17/05/2024	No
17	Shibin B	XXXXXXX04L	M.Tech	KTU	Computer Aided Structural Engineering	25/09/2023	2.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
18	Anitha P	XXXXXXX64D	M.Tech	NITK Surathkal	Remote sensing & GIS	19/09/2023	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	No	13/06/2025	No
19	Arhitha Ravi	XXXXXXX79P	M.Tech	KTU	Structural engineering and construction management	25/09/2023	0.9	Assistant Professor	Assistant Professor		Contractual Fulltime	No	15/07/2024	No
20	Anisha V	XXXXXXX87G	M.Tech	KTU	Traffic & Transportation Engineering	28/01/2025	0.11	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Muhsin P K	XXXXXXX05G	M.Tech	NIT Calicut	Traffic & Transportation Planning	28/01/2025	0.5	Assistant Professor	Assistant Professor		Regular	No	28/07/2025	No
22	Lekshmi L	XXXXXXX16H	M.Tech	NIT Calicut	Structural Engineering	17/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
23	Anjali P V	XXXXXXX58E	M.Tech	KTU	Structural Engineering & construction management	17/01/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
24	Anusree O P	XXXXXXX26A	M.Tech	KTU	Geotechnical & Geoenvironmental Energy	14/08/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
25	Thushara M	XXXXXXX01J	M.Tech	KTU	Geotechnical Engineering	29/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
26	Megha V	XXXXXXX93D	M.Tech	NITK Surathkal	Remote sensing & GIS	16/08/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
27	Varsha K	XXXXXXX03E	M.Tech	KTU	Environmental Engineering	29/07/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
28	Sayana M	XXXXXXX05R	M.Tech	Kannur University	Structural and Construction Management	29/07/2024	1.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	13/10/2025	No
29	Reshmy M Raju	XXXXXXX39E	M.Tech	University of Kerala	Environmental Engineering	18/07/2024	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	No	15/07/2025	No
30	Nithya V	XXXXXXX57D	M.Tech	NITK Surathkal	Geotechnical Engineering	18/07/2024	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/01/2025	No

31	Arathi Madhusoodhanan	XXXXXXX54N	M.Tech	KTU	Structural Engineering and Construction Management	29/07/2024	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/12/2024	No
32	Reshma C	XXXXXXX49H	M.Tech	KTU	Water resources and hydro infomatics	01/08/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
33	Sreelaya P P	XXXXXXX37D	M.Tech	KTU	Structural engineering and Construction Management	11/08/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
34	Anagha Sreevalsan U M	XXXXXXX97C	M.Tech	KTU	Computer Aided Structural Engineering	16/09/2025	0.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
35	Vadavadhi Adhira	XXXXXXX48A	M.Tech	Andhra University	Structural Engineering	21/10/2025	0.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
36	Nithin A	XXXXXXX98J	M.Tech	NIT Trichy	Transportation Engineering & Management	04/12/2025	0.1	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Deepika K K	XXXXXXX29C	B.Tech	Calicut University	Civil Engineering	16/03/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.D	66	66	66
UG1: Civil Engineering	**198**	**198**	**198**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Computer Aided Structural Engineering	**36**	**36**	**36**
PG2.A	18	18	18
PG2.B	18	18	18
PG2: Geotechnical & Geoenvironmental Energy	**36**	**36**	**36**
DS=Total no. of students in all UG and PG programs in the Department	270	270	270
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=** 270	**S2=** 270	**S3=** 270
DF=Total no. of faculty members in the Department	15	15	14
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=** 15	**F2=** 15	**F3=** 14
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.00**	**SFR2= 18.00**	**SFR3= 19.29**
Average SFR for 3 years	**SFR= 18.43**		

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)	5	10	13.00	17.31
2024-25(CAYm1)	6	9	13.00	18.46
2023-24(CAYm2)	6	8	13.00	17.69

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	3.00	3.00	0.00	9.00	3.00
2024-25	1.00	4.00	3.00	0.00	9.00	2.00
2023-24	1.00	4.00	3.00	0.00	9.00	5.00
Average	RF1=1.00	AF1=3.67	RF2=3.00	AF2=0.00	RF2=9.00	AF2=3.33

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	Dr. Ashalatha R	Joint Director (IIIC)	Directorate of Technical Education, Govt. of Kerala, Thiruvananthapuram	Sustainable Transportation- An Overview and Importance of Road Safety Engineering	2.00
2	Dr. Jayamohan J	Joint Director	LBS Centre for Science & Technology, Thiruvananthapuram	Numerical Modelling in Geotechnical Engineering	1.00
3	Mr. Mudigonda Kamal Nayan	Technical Support Engineer	MIDAS Research and development center	Introduction to MIDAS Civil and Modeling of 2D and 3D box culverts	6.00
4	Mr. Mudigonda Kamal Nayan	Technical Support Engineer	MIDAS Research and development center	Modeling and Design of an RC Slab bridge and R C T Girder bridge	6.00
5	Mr. Mudigonda Kamal Nayan	Technical Support Engineer	MIDAS Research and development center	Modeling a PSC box girder bridge	6.00

(CAYm2)

(CAYm3)

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	3	4	3
2	No. of peer reviewed conference papers published	8	3	6
3	No. of books/book chapters published	4	1	1

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.Vandana Sreedharan	Nil	GCEK, Indian Institute of Science	Biochar Assisted Sustainable Strategies for Application in Landfills	SERB- Science and Engineering Research Board, Govt of India	3 years	6.00
						Amount received (Rs.):6.00

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.Vandana Sreedharan	Nil	GCEK, Indian Institute of Science	Biochar Assisted Sustainable Strategies for Application in Landfills	SERB-Science and Engineering Research Board, Govt of India	3 years	6.00
						Amount received (Rs.):6.00

(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.Vandana Sreedharan	Nil	GCEK, Indian Institute of Science	Biochar Assisted Sustainable Strategies for Application in Landfills	SERB- Science and Engineering Research Board, Govt of India	3 years	6.00
						Amount received (Rs.):6.00

Total Amount (Lacs) Received for the Past 3 Years: 18.00

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
Dr. Rajesh K N	Dr. B Rajeevan	Deputy General Manager - Engineering , Kannur International Airport Ltd	Structural Audit	Deputy General Manager - Engineering , Kannur International Airport Ltd	2 months	3.54
Dr. B Rajeevan	Dr. Ajith M S	Mambaram English Medium Senior Secondary School	Renewing Structural Stability Certificate of Mambaram English Medium Senior Secondary School	Mambaram English Medium Senior Secondary School	2 months	1.18
Dr. Vandana Sreedharan		Secretary , New mahe Gramapanchayath	New Mahi Gram Panchayat - Nadammal Bridge Collapsed	Secretary , New mahe Gramapanchayath	3 months	1.00
Dr. Vandana Sreedharan		Assistant Engineer , Anthoor Municipality , Kannur University	To prepare D P R for the installation of underground S T P in Parassinikkadavu	Assistant Engineer , Anthoor Municipality , Kannur University	3 months	1.00
Dr. Vandana Sreedharan		Secretary , Trikaripur Gramapanchayath , North Trikaripur	Thrikaripur Grama Panchayat - Collection and updating of statistics, rules and related notifications	Secretary , Trikaripur Gramapanchayath , North Trikaripur	3 months	1.00
Dr. Vandana Sreedharan		Managing Director , KCCP Limited , Clay House , Pappinisseri	Soil Testing for Bio-diversity Park Project	Managing Director , KCCP Limited , Clay House , Pappinisseri	3 months	1.00
Dr. Vandana Sreedharan		Secretary , Kadirur Gramapanchayath , P O Kadirur , Kannur	Kathiroor Grama Panchayat - RRF Construction - Regarding granting of Soil Test Report	Secretary , Kadirur Gramapanchayath , P O Kadirur , Kannur	3 months	1.00
Dr. Ajith M S		Secretary , Kadirur Gramapanchayath , P O Kadirur , Kannur	Family Health Center-MLAADS at Kadirur	The Secretary , Kadirur Gramapanchayath , Kadirur	2 months	2.36
Dr. Ajith M S		Assistant Engineer , PPD Camp Office , Kerala Water Authority	Sewage Network and Sewage Treatment Plant - Soil Investigation and Foundation	Assistant Engineer , PPD Camp Office , Kerala Water Authority	2 months	1.00
Dr. Ajith M S		Secretary , Thayineri Muslim Jama.ath Committee , Thayineri , Payyannur	Structural Stability Certificate of Thayineri Thahseesul islam madrassa & cresent Engilish Medium School	Secretary , Thayineri Muslim Jama.ath Committee , Thayineri , Payyannur	2 months	1.17
Dr. Narayanan N I		Mr. Kommoth Aboo Thahir , Manager , MM Higher Secondary School	Structural Stability Certificate	Mr. Kommoth Aboo Thahir , Manager , MM Higher Secondary School	2 months	1.18
Dr. Narayanan N I		Jaycee Society for Rehabilitation of the Handicapped, Thalassery	Stability Certificate to Jaycee Special School	Jaycee Society for Rehabilitation of the Handicapped, Thalassery	2 months	1.00
						Amount received (Rs.):16.43

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. B Rajeevan		Harbour Engineering Sub Division, Azheekkal	NABARD-RIDF XXVIII -Modernisation of Azheekkal Fishery Harbour in Kannur District.	Harbour Engineering Department	2 months	1.06
Dr. B Rajeevan		Assistant Engineer , PWD Bridges Section Payyannur	Construction of Kozhichal - Meenthullli Bridge Across Tejaswini River in Kannur District	Assistant Engineer , PWD Bridges Section Payyannur-1 , Payyanur	2 months	1.06
Dr. Ajith M S		Deputy Director , Innovative Design Unit - KHRI , Kerala PWD	Budgetary Proposal and Timeframe for Structural Design vetting	Deputy Director , Innovative Design Unit - KHRI , Kerala PWD	2 months	2.36
Dr. Ajith M S	Dr. B Rajeevan	The Executive Engineer, LID& EW, Division Kasargod	Kasargod Development Package	The Executive Engineer, LID& EW, Division Kasargod	2 months	1.71
Dr. Ajith M S	Prof. Nijesh C	DON Bosco Institution, Manjeshwar	Don Bosco Central School, Holy Cross Church, Hosabettu Hill, Manjeshwar	Don Bosco Institution	2 months	3.54
Dr. Deepu S P	Prof. Nijesh C	The Assistant Engineer,LID & EW Sub Division Kasargod, Kasargod Block Panchayath,	Bridge Construction of Kanyapati Goliyadukkam Thodu in Kasargod	The Assistant Engineer,LID & EW Sub Division Kasargod, Kasargod Block Panchayath,	2 months	1.18
Dr. Deepu S P	Dr. Ajith M S	Servosonic Hotel & Resorts,Thabor Road	Construction of building of Servosonic Hotel & Resorts.	Servosonic Hotel & Resorts,Thabor Road	2 months	1.41
Prof. Nijesh C	Dr. Ajith M S	Secretary , Muzhakkunnu Gramapanchayath , Kakkayangad	Soil Test and Structural for Pulimunda - Maniyani Bridge	Secretary , Muzhakkunnu Gramapanchayath , Kakkayangad	2 months	3.54
						Amount received (Rs.):15.86

(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. Rajesh K N	Prof. Shreesh Ajaykumar	Local Self Government Department, LID & EW Cheruvathur Section	Construction of new building for Mayicha GLPS Cheruvathoor	Local Self Government Department	2 months	1.21
Dr. B Rajeevan		Public Works Department, KRFB PMU, Kasargod	Construction of Kiliyalam Thodu in Kasargod District	Public Works Department	2 months	2.38
Dr. B Rajeevan		Public Works Department Bridge Section, Payyannur	Mankara Bridge across Kuppam river	Public Works Department	2 months	1.32
Dr. B Rajeevan		Public Works Department, KRFB PMU, Kasargod	Construction of Kallikkadavu bridge across Chaithravahini river in Kasargod District	Public Works Department	2 months	1.32
Dr. B Rajeevan		Public Works Department, Bridge section Kanhangad	Construction of Kadinjimoola Mattummal bridge across Nileswaram river	Public Works Department	2 months	1.32
Dr. B Rajeevan		Public Works Department, Bridge section Kanhangad	Reconstruction of Kunhithottam Bridge & Construction of Poomangalam Kodileri Bridge	Public Works Department	2 months	1.06
Dr. B Rajeevan		Public Works Department, Bridge section Kasargod	Construction of Bakkilapadavu bridge across Shiriya river in Manjeswar	Public Works Department	2 months	1.06
Dr. B Rajeevan		Public Works Department, Building Sub Division, Thalassery	Construction of Speciality Hospital at Pinarayi	Public Works Department	2 months	1.06
Dr. Vandana Sreedharan	Prof. Shreesh Ajaykumar	Local Self Government Department	LID & EW Academic block at KILA centre	Local Self Government Department	3 months	1.00
Dr. Mithra D C		Public Works Department	Construction of Munnippadi Bridge	Public Works Department	2 months	1.12
Dr. Ajith M S		LSGD (LID &EW Sub division, Kannur Block Panchayath)	Construction of Azhikkode CHC Building	Local Self Government Departmen	3 months	3.24
Dr. Narayanan N I	Prof. Manu P Raj	Department of posts (Geetha P, Supdt. of Post offices, Thalassery Division)	Stability report of Post office building	POstal Department	2 months	1.47
Prof. Dhanya Raveendran	Prof. Shreesh Ajayakumar	LSGD (LID &EW Sub division, Kannur Block Panchayath)	Reconstruction of Azhikkode CHC building	Local Self Government Department	2 months	1.24
Dr. B Rajeevan		Manager, Seethi Sahib HSS Taliparamba	Structural stability certificate for Seethi Sahib HSS Taliparamba	Manager, Seethi Sahib HSS Taliparamba	2 months	1.18
Dr. Deepu S P	Prof. Nijesh C	Block Panchayath	Structural Design of CHC Oduvalli	Block Panchayath	2 months	1.06
Dr. Rajesh K N	Dr. Vandana Sreedharan	Executive director, Kerala waterways& infrastructures Ltd, Cochin international airport	Construction of 4 waterway tunnels and cut & cover sections	Executive director, Kerala waterways& infrastructures Ltd, Cochin international airport	2 months	1.00
Dr. B Rajeevan		The Secretary, Kalliassery GP	Gas crematorium, KIFB Project	The Secretary, Kalliassery GP	2 months	1.18
						Amount received (Rs.):23.22

Total amount (Lacs) received for the past 3 years: 55.51

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	Strength of Materials & Concrete Lab 5 1. Universal Testing	5	1. Universal Testing Machine(1000kN) 2. Flexural testing machine 3.	30 Hrs	1. Rajesh K. K.	1.Instructor Grade I	1. B. Tech in Civil Enginee
2	Survey Lab	5	1. Total station 2. Theodolite (Mechanical & Digital) 3. Tacheometer & Subtense bar 4. Plane table 5.	18 Hrs	1. Sajith Kumar M.	1. Trade Instructor 2. Tra	1. ITI (Plumbing)
3	Transportation Engineering Lab	5	1. Cone penetrometer 2. Penetration testing machine 3. Deval attrition machine 4. Standard tar viscometer	12 Hrs	1. Saju Kumar V	1. Instructor Grade II 2. T	1. Diploma in Civil Engine
4	Environmental Engineering Lab	5	1. Flocculator 2. Turbidity meter 3. Digital pH meter 4. Colour comparator 5. Rotary shaker 6. All glass single	12 Hrs	1. Jayarajan K	1. Trade Instructor Mason	1. ITI Civil
5	Geotechnical Engineering Lab	5	1. Direct shear test apparatus 2. Consolidation apparatus 3. Compaction apparatus (Light and Heavy	14 Hrs	1. Praveen C	1. Instructor Grade II 2.	1. Diploma in Civil Engine
6	Computer Aided Design Lab	1	1. Desktop 2. Laptop Softwares: 1. AutoCad 2025, 2. Revit 2025 3. Geostudio 4. Primavera 5. MS Project 6.	30 Hrs	1. Bindu P	1. Trade Instructor Survey	1. ITI Survey
7	Civil Engineering Workshop	5	1.Dumpy level 2. Vernier Callipers 3. Screw gauge 4. EDM instruments 5. Water level pipe 6. Chains	8 Hrs	1.Jayarajan K 2. Hridy	1. Trade Instructor Mason	1. ITI Civil 2. ITI (Draftsma

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Strength of Materials & Concrete Lab	• Boards displaying Dos and Don’ts are installed at strategic locations. • Instructions and warnings regarding safety are issued to minimize the risk of accidents while handling instruments. • Safety manuals and standard operating procedures (SOPs) are made available in the laboratory. • It is advised that students handle machines only under the supervision of the relevant laboratory staff. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • First Aid Box is available in the laboratory for immediate medical assistance. • Fire extinguishers are positioned in the vicinity of every major lab. • Clearly marked safety exits are provided and must be kept unobstructed at all times. • Emergency assembly points are identified and communicated to all users. • Ensuring damaged or faulty equipment is not operated. • Regular inspection and maintenance of laboratory equipment are carried out. • Proper procedures are followed while handling cement, aggregates, and test specimens. • Safe handling and disposal of chemical waste and concrete slurry are ensured as per guidelines. • Adequate ventilation is maintained to minimize exposure to dust and fumes. • Spillage of materials is cleaned immediately to prevent slips and accidents. • Sustainable practices such as reuse of materials and recycling of waste are encouraged. • Water conservation measures are followed during mixing and curing of concrete. • Environmental and sustainability aspects are considered in material testing and concrete laboratory practices. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
2	Survey lab	• Boards displaying Dos and Don’ts are installed at strategic locations. • Safety instructions and guidelines are provided before conducting survey operations. • Safety manuals and standard operating procedures (SOPs) are made available for reference. • Students should handle survey instruments only under the supervision of the laboratory staff. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Proper care must be taken while handling instruments such as levels, theodolites, and total stations. • Instruments must be checked and properly calibrated before use. • Tripods should be firmly fixed on stable ground to prevent falling of instruments. • Survey work near roads should be carried out with caution to avoid accidents from traffic. • First Aid Box is available for immediate medical assistance. • Emergency contact numbers should be accessible during fieldwork. • Clearly marked safety exits are maintained in indoor lab areas. • Emergency assembly points are identified for evacuation if required. • Damaged or faulty instruments must not be used and should be reported immediately. • Equipment should be properly stored after use to avoid damage. • Cables and electronic components must be handled carefully to prevent electrical hazards. • Environmental care should be taken to avoid disturbing natural surroundings during surveys. • Sustainable practices such as minimal disturbance to land and proper disposal of waste are encouraged. • Work areas should be kept clean and free from obstructions to ensure safe movement. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
3	Transportation Engineering Lab	• Boards displaying Dos and Don’ts are installed at strategic locations. • Safety instructions and guidelines are provided before conducting experiments. • Safety manuals and standard operating procedures (SOPs) are available in the laboratory. • Students should handle laboratory equipment only under the supervision of staff. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Proper care must be taken while handling equipment used for bitumen and aggregate testing. • Heating of bitumen should be done cautiously using appropriate temperature controls. • Protective gloves and goggles must be used while handling hot materials. • Adequate ventilation must be ensured to avoid inhalation of fumes from bitumen. • Equipment must be checked and calibrated before use. • Damaged or faulty equipment must not be used and should be reported immediately. • First Aid Box is available for immediate medical assistance. • Fire extinguishers are placed near heating and testing areas. • Clearly marked safety exits are provided and must be kept unobstructed. • Emergency assembly points are identified and communicated to all users. • Proper procedures are followed for handling and storage of bituminous materials. • Safe disposal of waste materials and residues is ensured as per guidelines. • Spillage of oil or bitumen should be cleaned immediately to prevent slips and hazards. • Sustainable practices such as reuse of materials and minimizing waste are encouraged. • Environmental and safety considerations are followed during all transportation engineering lab activities. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
4	Environmental Engineering Lab	• Boards displaying Dos and Don’ts are installed at strategic locations. • It is mandatory for students to comply with the dress code and wear appropriate closed footwear. • Instructions and warnings regarding safety are issued to minimize the risk of accidents when handling instruments. • It is advised that students handle the machines only when supervised by the relevant laboratory staff. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • All laboratories are equipped with first aid boxes. • Fire extinguishers are positioned in the vicinity of every major lab. • Ensuring damaged equipment is not operated. • Gloves for safety purposes are made available. • Disposal of chemical and biological waste in designated containers. • Pouring of hazardous substances into sinks without treatment is restricted. • Following environmental regulations for waste disposal. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.

5	Geotechnical Engineering Lab	• Boards displaying dos and don’ts are installed at key locations. • Safety instructions and SOPs are provided before conducting experiments. • Students handle laboratory equipment only under staff supervision. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Proper care is taken while handling soil samples and testing equipment. • Protective gloves and masks are used to avoid dust inhalation. • Ovens and mechanical equipment are operated with caution. • Equipment is checked and calibrated before use. • Damaged or faulty equipment is not used and is reported immediately. • First aid box is available for emergency use. • Fire extinguishers are provided in the laboratory. • Emergency exits are clearly marked and kept unobstructed. • Emergency assembly points are identified and communicated. • Safe handling and storage of soil samples are ensured. • Waste materials are disposed of properly as per guidelines. • Spillage of soil or water is cleaned immediately to prevent accidents. • Sustainable and environmentally safe practices are followed in all lab activities. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
6	Computer Aided Design lab	• Boards displaying dos and don’ts are installed at key locations. • Safety instructions and guidelines are provided before using the CAD lab. • Students use computer systems only under staff supervision. • Proper seating posture and ergonomics are maintained while working. • Electrical connections and equipment are handled with care. • Systems are checked before use, and any faults are reported immediately. • Unauthorized software installation or system changes are not allowed. • Data is saved regularly to prevent loss of work. • Food and liquids are not allowed near computer systems. • Adequate ventilation and proper lighting are maintained in the lab. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • First aid support is available for minor health issues. • Fire extinguishers are provided for electrical safety. • Emergency exits are clearly marked and kept unobstructed. • Cables and wiring are properly managed to avoid tripping hazards. • Systems are shut down properly after use. • Cleanliness and discipline are maintained in the laboratory. • E-waste and obsolete equipment are disposed of as per guidelines. • Energy-saving practices, such as switching off unused systems, are encouraged. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
7	NDT Lab	• Boards displaying dos and don’ts are installed at key locations. • Safety instructions and SOPs are provided before conducting NDT experiments. • Students operate equipment only under staff supervision. • Proper care is taken while handling NDT instruments and specimens. • Calibration of equipment is checked before use. • Faulty or damaged equipment is not used and is reported immediately. • Protective gear such as gloves and safety shoes are used where required. • Electrical and electronic equipment is handled with caution. • Proper handling procedures are followed for testing concrete and steel specimens. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • First aid box is available for emergency use. • Fire extinguishers are provided in the laboratory. • Emergency exits are clearly marked and kept unobstructed. • Safe storage of test specimens and equipment is ensured. • Waste materials and residues are disposed of properly as per guidelines. • Spillage of chemicals or testing materials is cleaned immediately. • Adequate ventilation and safe working conditions are maintained. • Regular inspection and maintenance of NDT equipment are carried out. • Environmental and safety practices are followed during all testing activities. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
8	Computational Stress Analysis Lab	• Boards displaying dos and don’ts are installed at key locations. • Safety instructions and SOPs are provided before using the Computational Stress Analysis Lab. • Students use computer systems and software only under staff supervision. • Proper ergonomic practices are followed while working on computers. • Licensed software is used, and unauthorized installations are not permitted. • Systems are checked before use, and technical issues are reported immediately. • Data is saved regularly to avoid loss of analysis work. • Electrical equipment and connections are handled with care. • Overloading of systems with heavy simulations is avoided. • Adequate ventilation and proper lighting are maintained in the lab. • Food and beverages are not allowed near computer systems. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • First aid box is available for emergency use. • Fire extinguishers are provided for electrical safety. • Emergency exits are clearly marked and kept unobstructed. • Cables and peripherals are properly organized to prevent hazards. • Systems are shut down properly after completion of work. • Cleanliness and discipline are maintained in the laboratory. • Energy-saving practices, such as switching off unused systems, are encouraged. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.

9	Civil Engineering Workshop	• Boards displaying Dos and Don’ts are installed at strategic locations in the workshop. • Safety instructions and warning signs are clearly displayed to reduce the risk of accidents. • Safety manuals and Standard Operating Procedures (SOPs) are made available for reference. • Students should operate machines only under the supervision of the concerned workshop/lab staff. • First Aid Box is available in the workshop for immediate medical assistance. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Fire extinguishers are installed at accessible locations near all major equipment. • Clearly marked safety exits are provided and must be kept unobstructed at all times. • Emergency assembly points are identified and communicated to all users. • Damaged or faulty machines and tools must not be used and should be reported immediately. • Regular inspection and preventive maintenance of machines and tools are carried out. • Flammable materials must be stored safely away from heat sources and sparks. • Proper handling and storage of tools and equipment must be ensured after use. • Heavy materials should be lifted using correct techniques or mechanical aids to prevent injuries. • Floors should be kept clean and free from oil, grease, and debris to avoid slipping hazards. • Sustainable practices such as reuse of materials and minimizing waste are encouraged. • Work areas should be kept clean, organized, and free from obstructions for safe movement. • Horseplay, negligence, or unsafe behaviour in the workshop is strictly prohibited • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
10	Physics Laboratory	• Safety instruction boards indicating dos and don’ts are displayed at prominent locations in the laboratory. • Standard Operating Procedures (SOPs) and safety guidelines are communicated to students prior to the commencement of experiments. • Students are permitted to perform experiments only under the supervision of the concerned faculty/lab instructor. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Usage of appropriate Personal Protective Equipment (PPE) such as lab coats and safety goggles is ensured wherever necessary. • All instruments and experimental setups are inspected for proper working condition before use. • Electrical equipment is handled with due care, ensuring proper earthing and insulation to prevent hazards. • Special precautions are followed while handling high voltage, high temperature, and sensitive experimental setups. • Glassware and precision instruments are handled carefully to avoid breakage and injury. • Hazardous materials, if any, are properly labelled, stored, and handled as per safety norms. • Laboratory workspace is maintained in a clean and organized manner to ensure a safe working environment. • Consumption of food and beverages inside the laboratory is strictly prohibited. • Any accident, breakage, or malfunction is immediately reported to the faculty/lab staff. • First aid facilities are made available for emergency situations. • Fire extinguishers are installed and maintained for handling fire-related emergencies. • Emergency exits are clearly marked and kept unobstructed at all times. • Adequate ventilation and illumination are maintained in the laboratory. • Students are instructed to maintain discipline and avoid unsafe practices within the lab. • Experimental observations and data are recorded systematically to ensure accuracy and prevent repetition. • Equipment and power supply are switched off properly after completion of experiments. • Waste materials are disposed of in accordance with prescribed laboratory procedures. • Energy conservation practices such as switching off unused equipment are encouraged. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.
11	Chemistry Laboratory	• Safety instruction boards displaying dos and don’ts are installed at prominent locations within the laboratory. • Standard Operating Procedures (SOPs) and chemical safety guidelines are communicated to students before the commencement of experiments. • Students are allowed to perform experiments only under the supervision of the concerned faculty/lab instructor. • An attendance log register is maintained to record the entry and exit of all students and staff using the laboratory. • Use of appropriate Personal Protective Equipment (PPE) such as lab coats, safety goggles, and gloves is strictly enforced. • All chemicals are properly labeled with details of composition, hazards, and handling instructions. • Hazardous chemicals are stored in designated storage areas following prescribed safety norms. • Material Safety Data Sheets (MSDS) are made available for reference regarding chemical properties and emergency measures. • Chemicals are handled with care, avoiding direct contact, inhalation, or ingestion. • Proper procedures are followed for dilution, mixing, and heating of chemicals to prevent accidents. • Use of fume hoods is ensured while handling volatile or toxic substances. • Glassware is checked for cracks or defects before use and handled carefully to prevent breakage. • Flammable substances are kept away from open flames and heat sources. • Laboratory workspaces are kept clean and free from unnecessary materials to minimize risks. • Food and beverages are strictly prohibited inside the laboratory. • Spills, leaks, breakages, or accidents are reported immediately to the lab in charge. • Chemical spills are managed using appropriate spill kits and procedures. • First aid facilities are readily available for emergency use. • Fire extinguishers, fire blankets, and other safety equipment are installed and maintained. • Emergency exits are clearly marked and kept unobstructed at all times. • Adequate ventilation and proper lighting are ensured in the laboratory. • Waste chemicals are segregated and disposed of as per environmental and institutional safety regulations. • Students are instructed to maintain discipline and avoid unsafe practices. • Hands are washed thoroughly after handling chemicals and before leaving the laboratory. • Gas lines, burners, and electrical equipment are turned off after completion of experiments. • Energy conservation practices, such as switching off unused equipment, are encouraged. • Green protocol guidelines are strictly followed for laboratory use and waste disposal to minimize environmental impact.

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)	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	453040	453040	421286	421286	5393564	5393564	488513	488513
Software	826000	826000	0	0	134284	134284	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	240000	240000	0	0
Industrial Training, Industry expert, Internship	0	0	0	0	0	0	0	0
Miscellaneous Expenses*	16900	16900	97500	97500	1242132	1242132	830771	830771
Total	**1295940**	**1295940**	**518786**	**518786**	**7009980**	**7009980**	**1319284**	**1319284**