

**NATIONAL BOARD OF ACCREDITATION**

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

<b>Program Name</b> : Civil Engineering	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 2
<b>Application No</b> : 11556	<b>Date of Submission</b> : 07-02-2026

**PART A- Profile of the Institute**

<b>A1. Name of the Institute:</b> IES COLLEGE OF ENGINEERING	
Year of Establishment : 2003	Location of the Institute: Poovathur Parappoor Road Thrissur District Chittilappilly Kerala 680551
<b>A2. Institute Address:</b> IES COLLEGE OF ENGINEERING P.O. CHITTILAPPILLY THRISSUR 680551	
City: Trichur	State: Kerala
Pin Code: 680551	Website: iesce.info
Email: mail@iesce.info	Phone No(with STD Code): 0487-2309966
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY	City: Trichur
State : Kerala	Pin Code: 695016
<b>A4. Type of the Institution:</b> Self-Supported Institute	
<b>A5. Ownership Status:</b> Self financing	

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

- No. of UG programs: 7
- No. of PG programs: 3

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Civil Engineering	2003	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2003	--	Computer Science and Engineering
3	Engineering & Technology	PG	Computer Science and Engineering	2016	2025	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering (Data Science)
5	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2003	--	Electronics and Communication Engineering
7	Engineering & Technology	PG	Geotechnical Engineering	2010	2025	Civil Engineering
8	Engineering & Technology	UG	Mechanical Engineering	2007	--	Mechanical Engineering
9	Engineering & Technology	UG	Robotics and Artificial Intelligence	2023	--	Robotics and Artificial Intelligence
10	Engineering & Technology	PG	VLSI Design	2015	2025	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

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
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## 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/COMPE AUTHORITY A DETAILS
1	Civil Engineering	UG	2003 / --	60	Yes	2024	30	2024	F.No. South-We 44641457333/2

## Sanctioned Intake for Last Five Years for the Geotechnical Engineering

Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	60
2022-23	60
2021-22	60
2020-21	60

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. ANJU E M
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and 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)	30	30	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	25	20	19	50	25	39	59
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	0	0	0	0	0
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	25	22	19	50	25	39	59

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)	30	25	0	83.33
2024-25 (CAYm1)	30	20	0	66.67
2023-24 (CAYm2)	60	19	0	31.67

$$\text{Average } [(ER1 + ER2 + ER3) / 3] = 60.56 \approx 11.00$$

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*=(No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	25.00	34.00	50.00
B=No. of students who graduated from the program in the stipulated course duration	10.00	17.00	36.00
Success Rate (SR)= (B/A) * 100	40.00	50.00	72.00

$$\text{Average SR of three batches } ((SR_1 + SR_2 + SR_3)/3): 54.00$$

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

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

Academic Performance	CAYm1( 2024-25 )	CAYm2( 2023-24 )	CAYm3 ( 2022-23 )
Mean of CGPA or mean percentage of all successful students(X)	7.49	6.93	7.43
Y=Total no. of successful students	4.00	8.00	18.00
Z=Total no. of students appeared in the examination	20.00	19.00	50.00
API [X*(Y/Z)]	1.50	2.92	2.67

$$\text{Average API} [(AP1+AP2+AP3)/3] : 2.36$$

**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)	7.05	7.21	6.55
Y=Total no. of successful students	6.00	15.00	10.00
Z=Total no. of students appeared in the examination	8.00	18.00	12.00
API [ X * (Y/Z) ]	5.29	6.01	5.46

$$\text{Average API } [(AP1 + AP2 + AP3)/3] : 5.59$$

**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)	7.10	6.93	7.22
Y=Total no. of successful students	14.00	10.00	17.00
Z=Total no. of students appeared in the examination	15.00	10.00	19.00
API [ X*(Y/Z) ]:	6.63	6.93	6.46

$$\text{Average API } [(AP1 + AP2 + AP3)/3] : 6.67$$

**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	60.00	60.00	60.00
X=No. of students placed	56.00	53.00	53.00
Y=No. of students admitted to higher studies	2.00	6.00	6.00
Z= No. of students taking up entrepreneurship	2.00	1.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100);	100.00	100.00	100.00

$$\text{Average Placement Index } = (P_1 + P_2 + P_3)/3: 100.00 \text{ Placement Index Points:}$$

## 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)
1	Dr.A RANGANATHAN	XXXXXXXX55N	M.E. and Ph.D.	Anna University	Structural Engineering	04/02/2015	11	Professor	Professor		Regular
2	Dr. VIJAY KUMAR M H	XXXXXXXX93M	M.E. and Ph.D.	VTU Belgaum	Structural Engineering	02/04/2018	7.3	Professor	Professor	02/04/2018	Regular
3	Dr.V SEKARAN	XXXXXXXX58P	M.E. and Ph.D.	Anna University	Civil Engineering	08/04/2015	8.5	Associate Professor	Associate Professor	12/07/2022	Regular
4	Dr. ANJU E M	XXXXXXXX06J	M.Tech and Ph.D.	Karpagam Academy of Higher Education	Civil Engineering	06/07/2017	8.7	Assistant Professor	Associate Professor	05/09/2024	Regular
5	Dr.S.CHARLES RUSKIN KUMAR	XXXXXXXX92D	M.E. and Ph.D.	Anna University	Structural Engineering	01/06/2018	7.8	Associate Professor	Associate Professor	01/06/2018	Regular
6	Dr P MAHADEVAN	XXXXXXXX27M	MS and PhD	Kalasalingam Academy of Research and Education	Water Resources	01/02/2023	2.6	Associate Professor	Associate Professor	01/02/2023	Regular
7	Ms. STEFFY MARIA SIMON	XXXXXXXX75H	M.Tech	Calicut university	Water resources and hydroinformatics	20/01/2017	9	Assistant Professor	Assistant Professor		Regular
8	Ms. OSHIN ANN MATHEWS	XXXXXXXX54J	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Geotechnical Engineering	16/07/2018	7.6	Assistant Professor	Assistant Professor		Regular
9	Ms. SEEMON S	XXXXXXXX98A	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Geotechnical Engineering	20/01/2020	4.6	Assistant Professor	Assistant Professor		Regular
10	Ms. ANGELA C JOY	XXXXXXXX26F	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Geotechnical Engineering	08/03/2021	4.11	Assistant Professor	Assistant Professor		Regular
11	Ms. ANU GEORGE	XXXXXXXX03B	M.Tech	Mahatma Gandhi University	Computer Aided Structural Engineering	01/06/2021	4.8	Assistant Professor	Assistant Professor		Regular
12	Ms. SHAMNA ABDULLA	XXXXXXXX80A	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Environmental engineering	02/03/2022	3.8	Assistant Professor	Assistant Professor		Regular
13	Ms. BEYOOLA WILSON	XXXXXXXX39L	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Computer Aided Structural Engineering	12/04/2022	3.3	Assistant Professor	Assistant Professor		Regular

14	Ms. AATHIRA REGHUNANDANAN	XXXXXXXX87K	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Structural Engineering	22/08/2022	1.11	Assistant Professor	Assistant Professor		Regular
15	Ms. SRUTHI K CHANDRAN	XXXXXXXX98C	M.Tech	Calicut university	Structural Engineering	23/06/2022	3.5	Assistant Professor	Assistant Professor		Regular
16	Ms. BEEMA BEEVI JALEEL	XXXXXXXX42F	M.Tech	Cochin University of Science and Technology	Computer Aided Structural Engineering	20/02/2023	2.11	Assistant Professor	Assistant Professor		Regular
17	Ms. ASHA DEVASSYKUTTY	XXXXXXXX31K	M.E.	Anna University	Structural Engineering	03/06/2024	1.8	Assistant Professor	Assistant Professor		Regular
18	Ms. AMITHA P SUNIL	XXXXXXXX57D	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Environmental Engineering	21/05/2025	0.8	Assistant Professor	Assistant Professor		Regular
19	Ms. PARVANENDU K	XXXXXXXX33A	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Water resources and hydroinformatics	03/05/2025	0.9	Assistant Professor	Assistant Professor		Regular
20	Ms. DERIN GEORGE C	XXXXXXXX88J	M.Tech	A.P.J. Abdul Kalam Technological University (KTU)	Structural Engineering	24/11/2025	0.2	Assistant Professor	Assistant Professor		Regular

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

**C2. Student-Faculty Ratio (SFR)**

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

UG1=1st UG program

UGn=nth UG program

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

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

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

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

PG1=1st PG program.

PGm=mth PG program

**A**= No. of Students in PG 1st year

**B**= No. of Students in PG 2nd year

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

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

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

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

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

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

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	32	60	60
UG1.C	60	60	60
UG1.D	60	60	60
<b>UG1: Civil Engineering</b>	<b>152</b>	<b>180</b>	<b>180</b>
PG1.A	0	18	18
PG1.B	18	18	18
<b>PG1: Geotechnical Engineering</b>	<b>18</b>	<b>36</b>	<b>36</b>
DS=Total no. of students in all UG and PG programs in the Department	170	216	216
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)	<b>S1= 170</b>	<b>S2= 216</b>	<b>S3= 216</b>
DF=Total no. of faculty members in the Department	11	14	15
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)	<b>F1= 11</b>	<b>F2= 14</b>	<b>F3= 15</b>

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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)	<b>SFR1= 17.00</b>	<b>SFR2= 16.62</b>	<b>SFR3= 15.43</b>
Average SFR for 3 years	<b>SFR= 16.35</b>		

### 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 = $2.5 * [(10X + 4Y) / RF]$
2025-26(CAY)	2	9	8.00	17.50
2024-25(CAYm1)	4	10	10.00	20.00
2023-24(CAYm2)	4	11	10.00	21.00

### 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	1.00	1.00	1.00	5.00	9.00
2024-25	1.00	2.00	2.00	2.00	7.00	10.00
2023-24	1.00	2.00	2.00	2.00	7.00	11.00
Average	RF1=1.00	AF1=1.67	RF2=1.67	AF2=1.67	RF2=6.33	AF2=10.00

### C5. Visiting/Adjunct Faculty/Professor of Practice

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

#### (CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. M Sumesh	Assistant Professor	Dayananda Sagar College of Engineering, Bengaluru	Disaster Management and Resilient infrastructure	54.00

#### (CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Mahendra P	Assistant Engineer	LSGD, Govt of kerala	Earthquake resistant structures	50.00

#### (CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Rijul Das V	Structural Engineer and Vasthu Consultatnt	Silpies Construction, Manjeri	Vasthushasthra	52.00

### 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	8	7	5

2	No. of peer reviewed conference papers published	17	15	11
3	No. of books/book chapters published	0	0	0

**C7. Sponsored Research Project**

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

(CAYm1)

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. Anju E M	Ms. Steffy Maria Simon	MSME	Sustainable Concrete Using Sewage Sludge Ash & Rice Husk Ash	MSME	1 Year	15.00
						Amount received (Rs.):15.00

(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
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(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. Anju E M	Dr. S Brilly Sangeetha	MSME	Energy Production Optimization by Block-Chain based Positioning of Solar Panels	MSME	1 Year	15.00
						Amount received (Rs.):15.00

**Total Amount (Lacs) Received for the Past 3 Years: 30.00****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. Anju E M	Mr. Gopalan E K	Gramapanchayath , Municipality, Block Panchayath	Cube Test	Contractors	2 Days for each work	142500.00
Dr. Anju E M	Ms. Salinsha V S	Gramapanchayath , Municipality, Block Panchayath	Bitumen Extraction Test	Contractors	2 Days for each work	100000.00
Dr. Anju E M	Mr. Gopalan E K	Gramapanchayath , Municipality, Block Panchayath	TMT	Contractors	2 Days for each work	1700.00
Dr. Anju E M	Mr. Gopalan E K	Gramapanchayath , Municipality, Block Panchayath	Gradation	Contractors	2 Days for each work	100.00
Ms. Oshin Ann Mathews	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	NSS Team	1 Month	1800.00
Ms. Oshin Ann Mathews	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	Build designs	4 Months	217500.00
Ms. Oshin Ann Mathews	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	LENCON Engineers & contractors Pvt Ltd	6 Months	503299.00
						Amount received (Rs.):966899.00

## (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. Anju E M	Ms. Melbi Joy	Gramapnchayath , Municipality, Block Panchayath	Cube Test	Contractors	2 Days for each work	4100.00
Dr. Anju E M	Ms. Melbi Joy	Gramapanchayath , Municipality, Block Panchayath	Gradation	Contractors	2 Days for each work	100.00
Dr. Anju E M	Ms. Salinsha V S	Gramapanchayath , Municipality, Block Panchayath	Bitumen Extraction Test	Contractors	2 Days for each work	4200.00
Dr. Anju E M	Ms. Salinsha V S	Gramapanchayath , Municipality, Block Panchayath	TMT	Contractors	2 Days for each work	1400.00
Dr. Anju E M	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	Build designs	1 Month	930.00
Ms. OShin Ann Mathews	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	Build designs	1 Month	1030.00
Ms. OShin Ann Mathews	Ms. Salinsha V S	Department of CE, IES College of Engineering, Chittilappilly	Supervision	Build designs	1 Month	2378.00
						Amount received (Rs.):14138.00

## (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. Anju E M	Ms. Sruthi K Chandran	Contractors and supervisor	Supervision	Build designer	6 Months	250000.00
						Amount received (Rs.):250000.00

**Total amount (Lacs) received for the past 3 years: 1231037.00**

**Note\*:**

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

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

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

## (CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. P Mahadevan	Water Quality Detection and Zonal Characterization	1 Year	75000.00	75000.00	Practical expertise in water quality sampling & laboratory testing, Used in EE laboratory development & guidance of student projects
Dr. Anju EM	PhD Reasearch -Remediation of Heavy Metal Contaminated Soil by Phytotechnologies	1 Year	75000.00	75000.00	Applied in development of advanced research modules, supervision of UG research projects and research publications
Ms. Oshin Ann Mathews	Application of Sheet Pile as a Landslide	1 Year	50000.00	50000.00	Applied in teaching, supervision of student projects & consultancy-oriented studies related to slope stabilization & landslide risk reduction
Ms. Asha Devassykutty	FRP Bridges	1 Year	30000.00	30000.00	Gained hands-on experience in FRP-based bridge design and strengthening techniques, Used for student project guidance
			Amount received (Rs.): 230000.00		

(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
Dr. P Mahadevan	Water Quality Detection and Zonal Characterization	1 Year	75000.00	75000.00	Done Comparative water quality analysis, Provided hands-on exposure to real field & laboratory practices to students
Dr. Anju EM	Remediation of Heavy Metal Contaminated Soil by Phytotechnologies	1 Year	50000.00	50000.00	Conducted Experimental validation of phytoremediation efficiency, Organised webinar to develop students' knowledge of soil contamination
Ms. Oshin Ann Mathews	Experimental Study on Lateral Behaviour of Step Tapered Piles in Sand	1 Year	50000.00	50000.00	Experimental evaluation of lateral load deflection behaviour of step-tapered piles, Practical insights into pile foundation design to students
			Amount received (Rs.): 175000.00		

(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
Dr. Anju EM	Remediation of Heavy Metal Contaminated Soil by Phytotechnologies	1 Year	75000.00	75000.00	Gained hands-on experience in soil sampling and physicochemical testing, Developed student skills in experimental analysis
Ms. Oshin Ann Mathews	Effect of Vertical Loads on Skirted Circular Footing in Slope	1 Year	75000.00	75000.00	Identification of optimal skirt depth for improved performance, Practical exposure to foundation testing & analysis in sloping ground for students
Mr. Seemon S	Contact Erosion at The Interface of Embankment and Granular Working Platform	1 Year	50000.00	50000.00	Identification of erosion mechanisms, Done laboratory & field testing experience to students for erosion assessment
			Amount received (Rs.): 200000.00		

Total amount (Lacs) received for the past 3 years : 605000.00

## 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	Material Testing Laboratory	30	1)UTM 2)Compression Testing Machine 3) Spring Testing Machine	12 hrs/week	Mr.Gopalan E	Laboratory Ir	Diploma (Civi
2	Environmental Engineering Laboratory	30	1)Digital pH meter 2)Muffle Furnace 3)Photo Fluoro Meter	6 hrs/week	Ms.Salinsha ^	Laboratory I	Diploma (Civi
3	CAD Laboratory	30	1)Computer systems (25 numbers) 2)Softwares ( 1)STAAD PRO	6 hrs/week	Ms. Swathi V	Laboratory In	B.Tech (Civi
4	Geotechnical Laboratory	30	1)California Bearing Ratio machine 2)Consolidometer 3)Shear test	6 Hrs/week	Ms.Salinsha ^	Laboratory In	Diploma (Civi
5	Transportation Laboratory	30	1)Marshall testing machine 2)Los Angles abrasion test 3)Ductility	6 hrs/week	Ms.Salinsha ^	Laboratory In	Diploma (Civi
6	Survey Laboratory	30	1)Total Station 2)Theodolite 3)Ediograph 4)Dumpy level	6 hrs/week	Mr.Gopalan E	Laboratory In	Diploma (Civi
7	Basic Civil Engineering workshop	30	1)Chain 2)Cross staff 3)Vernier caliper 4)Screw guage	9 hrs/week	Ms. Swathi V	Laboratory In	B.Tech (Civil

## D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Material Testing Laboratory	The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. Safety floor markings were marked on the floor along the machines to keep a safe distance from machine. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge/ laboratory instructor immediately. 3. Inspect all equipment prior to use 4. Trays, compacting tools, moulds etc should be washed/cleaned after use and must be returned properly Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD.
2	Environmental Engineering Laboratory	The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. All the apparatus and glass wares should be handled carefully and keep the experiment table neat and clean. 4. All the consumables should be returned before leaving the laboratory. Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD
3	CAD Laboratory	The laboratory is equipped with a fire extinguisher for emergency fire handling. A first aid box is readily available to handle minor medical emergencies. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. Report any broken plugs or exposed electrical wires to your lecturer/ laboratory instructor immediately. Don'ts 1. Do not eat or drink in the laboratory. 2. Avoid stepping on electrical wires or any other computer cables. 3. Do not open the system unit casing or monitor casing particularly when the power is turned on. 4. Do not insert metal objects such as clips, pins and needles into the computer casings.
4	Geotechnical Engineering Laboratory	The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. Safety floor markings were marked on the floor along the machines to keep a safe distance from machine. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. Inspect all equipments prior to use 4. Trays, compacting tools, moulds etc should be washed/cleaned after use and must be returned properly Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD

5	<p>Transportation Laboratory</p>	<p>The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. Safety floor markings were marked on the floor along the machines to keep a safe distance from machine. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. Inspect all equipment prior to use 4. Trays, compacting tools, moulds etc should be washed/cleaned after use and must be returned properly 5. Hand gloves should be used while melting operations Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD.</p>
6	<p>Survey Laboratory</p>	<p>The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. Inspect all equipment prior to use 4. Trays, compacting tools, moulds etc should be washed/cleaned after use and must be returned properly Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD.</p>
7	<p>Basic Civil Engineering workshop</p>	<p>The laboratory is equipped with a fire extinguisher for emergency fire handling. Cover for the drainage inside the laboratory is done to maintain safety. A first aid box is readily available to handle minor medical emergencies. It is mandatory for the students to wear laboratory coat and shoes while doing the experiment. Girl students are instructed to tie up their hair properly. Do's and Don'ts and Safety measures rules are displayed in each laboratory. Do's 1. Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 2. Report fires or accidents to faculty in charge / laboratory instructor immediately. 3. Inspect all equipment prior to use Don'ts 1. Do not eat or drink in the laboratory. 2. Do not operate equipment without knowing the procedure. 3. Do not use corridors for storage or as work areas. 4. Do not take any item out of laboratory premises without proper authorization from laboratory in charge and HOD.</p>

**D3. Project Laboratory/Research Laboratory**

Two Project laboratories are available for undergraduate students and for research works

1)The Advanced Civil Engineering Project Laboratory is a hands-on workshop where students can understand class room theories into real-world structures. By using physical models, both students and researchers can test how buildings and soil behave under pressure. We have twelve Research Laboratory facilities available in Advanced Civil Engineering. High tech instruments like Float test apparatus, Tile Flexural Strength Testing Machine, Autoclave, Aggregate impact tester etc are available in Advanced Civil Engineering Project Laboratory.

2)Advanced geotechnical laboratory consists of advanced laboratory equipment's to aid research work of students in the area of geotechnical engineering. Beyond syllabus we have additional instruments in research laboratory for research works.

**Table No. 7.5.1:** List of project laboratory/research laboratory /Centre of Excellence.

Sl. No	Name of the Laboratory
1	Advanced Civil Engineering Project Laboratory
2	Advanced Geotechnical Engineering laboratory

**Table No. 7.5.2:** Research Laboratory facilities

Sl. No	Name of the equipment	Name of laboratory
1	Plate load test apparatus	Advanced Geotechnical Engineering Laboratory
2	Speedy moisture meter	Advanced Geotechnical Engineering Laboratory
3	Swell test apparatus	Advanced Geotechnical Engineering Laboratory
4	Miniature high pressure parameter	Advanced Geotechnical Engineering Laboratory
5	Point load index tester	Advanced Geotechnical Engineering Laboratory
6	Brazilian test apparatus	Advanced Geotechnical Engineering Laboratory
7	Automatic compactor	Advanced Geotechnical Engineering Laboratory
8	Relative density apparatus	Advanced Geotechnical Engineering Laboratory
9	Polishing and lapping machine	Advanced Geotechnical Engineering Laboratory
10	Deaired water apparatus	Advanced Geotechnical Engineering Laboratory
11	Hand auger extension rod	Advanced Geotechnical Engineering Laboratory
12	Float test apparatus	Advanced Civil Engineering Project Laboratory
13	Loss on heating apparatus	Advanced Civil Engineering Project Laboratory
14	Centrifuge extractor	Advanced Civil Engineering Project Laboratory
15	Autoclave	Advanced Civil Engineering Project Laboratory
16	Longitudinal compressometer	Advanced Civil Engineering Project Laboratory
17	Lateral extensometer	Advanced Civil Engineering Project Laboratory
18	Cutting and grinding machine	Advanced Civil Engineering Project Laboratory
19	Tile Flexural Strength Testing Machine	Advanced Civil Engineering Project Laboratory

**Table No. 7.5.3** List of equipment's in Industry supported laboratory

Sl. No	Name of equipment
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1	Brick molding Machine
2	3 D printing machine

## 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)	360	18	12	11	66
2024-25(CAYm1)	270	14	12	16	91
2025-26(CAY)	270	14	13	14	94

### 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	3500000	0	900000	856338	700000	585290	1500000	1346106
Library	300000	0	15000	13263	350000	303215	210000	213100
Laboratory equipment	125000	0	1200000	1187968	1200000	1140804	1600000	1484546
Teaching and non-teaching staff	35000000	0	30000000	29589840	29000000	27858519	29100000	29172202
Outreach Programs	50000	0	30000	27500	30000	27500	55000	36400
R&D	100000	0	50000	46500	400000	365000	120000	112500
Training, Placement and	100000	0	140000	59754	300000	281000	2935000	2819485
SDGs	150000	0	35000	30000	310000	300000	10000	0
Entrepreneurship	35000	0	35000	33924	23000	22101	150000	112500
Others, specify	10900000	0	9720000	9418347	13680000	12930595.87	13150000	13156838
<b>Total</b>	<b>50260000</b>	<b>0</b>	<b>42125000</b>	<b>41263434</b>	<b>45993000</b>	<b>43814024.87</b>	<b>48830000</b>	<b>48453677</b>

### 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	190000	0	40000	12200	200000	110484	52000	8500
Software	0	0	0	0	0	0	0	0
SDGs	0	0	0	0	250000	205500	0	0

Support for faculty development	200000	0	355000	330250	305000	250550	325000	318500
R & D	100500	0	40000	20500	100500	79500	42000	40100
Industrial Training, Industry expert,	50000	0	32000	25525	50500	48525	100000	98520
Miscellaneous expenses	85000	0	105000	98500	24350	22120	125500	98730
<b>Total</b>	<b>625500</b>	<b>0</b>	<b>572000</b>	<b>486975</b>	<b>930350</b>	<b>716679</b>	<b>644500</b>	<b>564350</b>