

**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: 11203	Date of Submission: 11-12-2025

**PART A- Profile of the Institute**

<b>A1. Name of the Institute:</b> Mangalam College of Engineering	
Year of Establishment : 2002	Location of the Institute: Ettumanoor
<b>A2. Institute Address:</b> MANGALAM COLLEGE OF ENGINEERING MANGALAM HILLS VETTIMUKAL ,P.O ETTUMANOOR	
City:Kottayam	State:Kerala
Pin Code:686631	Website:www.mangalam.ac.in
Email:rajesh.roy@mangalam.in	Phone No(with STD Code):0481-2710120
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : Mahatma Gandhi University Kottayam Kerala	City: Thiruvananthapuram
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: 10
- No. of PG programs: 7

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	Computer Application	PG	Master of Computer Application	2022	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Chemical Engineering	2021	--	Chemical Engineering
4	Engineering & Technology	UG	Civil Engineering	2010	--	Civil Engineering
5	Engineering & Technology	Diploma	Civil Engineering	2020	--	Civil Engineering
6	Engineering & Technology	Diploma	Computer Engineering	2020	--	Computer Engineering
7	Engineering & Technology	UG	Computer Science and Business System	2024	--	Artificial Intelligence and Machine Learning
8	Engineering & Technology	UG	Computer Science and Engineering	2002	--	Computer Science and Engineering
9	Engineering & Technology	PG	Computer Science and Engineering	2012	--	Computer Science and Engineering
10	Engineering & Technology	UG	Electrical & Electronics Engineering	2002	--	Electrical and Electronics Engineering
11	Engineering & Technology	Diploma	Electrical and Electronics Engineering	2020	--	Electrical and Electronics Engineering
12	Engineering & Technology	UG	Electronics & Communication Engineering	2002	--	Electronics and Communication Engineering
13	Engineering & Technology	UG	Electronics & Computer Engineering	2024	--	Electronics and Communication Engineering
14	Engineering & Technology	PG	Industrial Engineering and Management	2010	--	Mechanical Engineering
15	Engineering & Technology	UG	Mechanical Engineering	2004	--	Mechanical Engineering
16	Engineering & Technology	Diploma	Mechanical Engineering	2020	--	Mechanical Engineering
17	Engineering & Technology	Diploma	Polymer Technology	2020	--	Polymer Technology
18	Engineering & Technology	PG	Power Electronics & Power Systems	2012	--	Electrical and Electronics Engineering
19	Engineering & Technology	UG	Safety & Fire Engineering	2024	--	Chemical Engineering
20	Engineering & Technology	PG	Structural Engineering & Construction Management	2014	--	Civil Engineering
21	Engineering & Technology	PG	VLSI & Embedded Systems	2011	--	Electronics and Communication Engineering
22	Management	PG	Master of Business Administration	2005	--	Management

**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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication 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:

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 APPROVAL DETAILS	ACCREDITATION STATUS	NO. OF TIMES PROGRAM ACCREDITED		PROGRAM DURATION														
											FROM	TO															
1	Civil Engineering	UG	2010 / --	30	Yes	2024	60	2024	South-West/1-44641396927/2025/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	1	4													
<b>Sanctioned Intake for Last Five Years for the Structural Engineering &amp; Construction Management</b>																											
<table border="1"> <thead> <tr> <th>Academic Year</th> <th>Sanctioned Intake</th> </tr> </thead> <tbody> <tr> <td>2025-26</td> <td>60</td> </tr> <tr> <td>2024-25</td> <td>60</td> </tr> <tr> <td>2023-24</td> <td>90</td> </tr> <tr> <td>2022-23</td> <td>90</td> </tr> <tr> <td>2021-22</td> <td>90</td> </tr> <tr> <td>2020-21</td> <td>90</td> </tr> </tbody> </table>														Academic Year	Sanctioned Intake	2025-26	60	2024-25	60	2023-24	90	2022-23	90	2021-22	90	2020-21	90
Academic Year	Sanctioned Intake																										
2025-26	60																										
2024-25	60																										
2023-24	90																										
2022-23	90																										
2021-22	90																										
2020-21	90																										

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 D Ramesh Kumar
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	90	90	90	90	120
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	35	31	49	62	65	79	75
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	2	8	7	8	5	2
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	35	33	57	69	73	84	77

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	35	0	58.33
2024-25 (CAYm1)	60	31	0	51.67
2023-24 (CAYm2)	90	49	0	54.44

Average  $\lceil (ER1 + ER2 + ER3) / 3 \rceil = 54.81 \approx 8.00$

### 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).	98.00	95.00	122.00
B=No. of students who graduated from the program in the stipulated course duration	20.00	31.00	43.00
Success Rate (SR)= (B/A) * 100	20.41	32.63	35.25

Average SR of three batches  $((SR\_1 + SR\_2 + SR\_3) / 3) = 29.43$

### 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)	8.07	6.92	6.79
Y=Total no. of successful students	3.00	19.00	21.00
Z=Total no. of students appeared in the examination	31.00	49.00	62.00
API $[X * (Y/Z)]$	0.83	2.68	2.30

Average API[ (AP1+AP2+AP3)/3 ] : 1.94

**B7: Academic Performance of the Second Year Students of the Program**

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 ( 2024-25 )	CAYm2 ( 2023-24 )	CAYm3 ( 2022-23 )
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.19	6.98	7.21
Y=Total no. of successful students	15.00	19.00	22.00
Z=Total no. of students appeared in the examination	27.00	28.00	35.00
API [ X * (Y/Z) ]	3.99	4.74	4.53

Average API [ (AP1 + AP2 + AP3)/3 ] : 4.42

**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)	7.12	7.24	7.00
Y=Total no. of successful students	19.00	21.00	31.00
Z=Total no. of students appeared in the examination	19.00	22.00	32.00

Average API [ (AP1 + AP2 + AP3)/3 ] : 6.94

**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	98.00	95.00	122.00
X=No. of students placed	47.00	58.00	51.00
Y=No. of students admitted to higher studies	3.00	6.00	9.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	51.02	67.37	49.18

Average Placement Index = (P\_1 + P\_2 + P\_3)/3: 55.86 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 D Ramesh Kumar	XXXXXXX58J	Ph.D	Anna University	Civil Engineering	13/08/2020	5.3	Associate Professor	Professor	02/08/2021	Regular	Yes		Yes
2	Dr R Radhakrishnan	XXXXXXX99L	Ph.D	Karpagam University	Environmental Engineering	06/05/2019	6.7	Professor	Professor	06/05/2019	Regular	Yes		No
3	Dr Sankar B	XXXXXXX98K	Ph.D	Pondicherry University	Civil Engineering	14/11/2023	2	Assistant Professor	Associate Professor	25/08/2025	Regular	Yes		No
4	Ms Reni Kuruvilla	XXXXXXX29N	M.E.	Vinayaka Missions University	Structural Engineering	25/03/2013	12.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Ms Salini Theres N Kurian	XXXXXXX80M	M.Tech	M G University	Computer Aided Structural Engineering	02/06/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr Gokul PV	XXXXXXX41K	M.Tech	APJ KTU	STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT	30/06/2017	8.5	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr Sreerench Raghavu	XXXXXXX93F	M.Tech	APJ KTU	Geotechnical Engineering	17/07/2017	8.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Ms Mita Ann Zachariah	XXXXXXX54K	M.Tech	M G University	Structural Engineering and Construction Management	08/07/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr Abhijith Kumar A N	XXXXXXX31Q	M.Tech	APJ KTU	Geotechnical Engineering	27/10/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms Silpa Caroline	XXXXXXX46C	M.Tech	APJ KTU	Geomechanics and Structures	10/08/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	12/07/2024	No
11	Ms Asha Jose	XXXXXXX19C	M.Tech	APJ KTU	Construction and Engineering Management	31/08/2022	1.10	Assistant Professor	Assistant Professor		Regular	No	18/07/2024	No
12	Dr P.Swaminathan	XXXXXXX73C	Ph.D	Annamalai University	Structural Engineering	20/12/2021	3	Associate Professor	Associate Professor	20/12/2021	Regular	No	04/01/2025	No

13	Ms Aksharamol G Raj	XXXXXXX68B	M.Tech	APJ KTU	Structural Engineering and Construction Management	10/08/2022	1.10	Assistant Professor	Assistant Professor		Regular	No	25/06/2024	No
14	Mr Vishnuprasad V Prabhakar	XXXXXXX69R	M.Tech	APJ KTU	Structural Engineering and Construction Management	02/12/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr K.Arun Kumar	XXXXXXX64A	Ph.D	Kalasalingam Academy of Research and education	Civil Engineering	16/08/2022	3.3	Associate Professor	Associate Professor	16/08/2022	Regular	Yes		No
16	Ms Rakhi Sugunan	XXXXXXX59M	M.Tech	APJ KTU	Structural Engineering and Construction Management	01/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms Nimisha Annie Abraham	XXXXXXX78P	M.Tech	Kerala University of Fisheries and Ocean Studies	Coastal and Harbor Engineering	11/07/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms Jwala S Manoj	XXXXXXX34E	M.Tech	APJ KTU	Structural Engineering and Construction Management	30/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms Sherry Rose Jose	XXXXXXX40D	M.Tech	University of Kerala	Structural Engineering and Construction Management	16/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Ms Haritha MR	XXXXXXX87A	M.Tech	APJ KTU	STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT	31/07/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms Ashiba Ayoob Khan	XXXXXXX12D	M.Tech	APJ KTU	Structural Engineering and Construction Management	01/07/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Ms Karthika S Nair	XXXXXXX04J	M.Tech	M G University	Geomechanics And Strucres	28/08/2023	0.10	Assistant Professor	Assistant Professor		Regular	No	15/07/2024	No
23	Ms Geethu Lal	XXXXXXX51K	M.Tech	APJ KTU	Structural Engineering and Construction Management	11/09/2017	6.10	Assistant Professor	Assistant Professor		Regular	No	12/07/2024	No
24	Ms.Lekshmi S	XXXXXXX54N	M.Tech	APJ KTU	Structural Engineering and Construction Management	27/08/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Ms Aswathy Soman	XXXXXXX86J	M.Tech	APJ KTU	Structural Engineering and Construction Management	28/01/2013	12.5	Assistant Professor	Assistant Professor		Regular	No	30/06/2025	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.

PGn=nth 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	62	98	97
UG1.C	98	97	97
UG1.D	97	97	94
<b>UG1: Civil Engineering</b>	<b>257</b>	<b>292</b>	<b>288</b>
PG1.A	18	18	18
PG1.B	18	18	18

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
<b>PG1: Structural Engineering &amp; Construction Management</b>	<b>36</b>	<b>36</b>	<b>36</b>
DS=Total no. of students in all UG and PG programs in the Department	293	328	324
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= 293</b>	<b>S2= 328</b>	<b>S3= 324</b>
DF=Total no. of faculty members in the Department	18	15	19
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= 18</b>	<b>F2= 15</b>	<b>F3= 19</b>
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	<b>SFR1= 18.31</b>	<b>SFR2= 25.23</b>	<b>SFR3= 19.06</b>
Average SFR for 3 years	<b>SFR= 20.87</b>		

### C3. Faculty Qualification

- Faculty qualification index (FQI) =  $2.5 \times [(10X + 4Y)/RF]$  where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	4	14	14.00	17.14
2024-25(CAYm1)	3	12	16.00	12.19
2023-24(CAYm2)	4	15	16.00	15.62

### C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required =  $1/9 \times$  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 =  $2/9 \times$  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 =  $6/9 \times$  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	2.00	3.00	2.00	9.00	14.00
2024-25	1.00	2.00	3.00	1.00	10.00	12.00
2023-24	1.00	2.00	3.00	2.00	10.00	15.00
Average	RF1=1.00	AF1=2.00	RF2=3.00	AF2=1.67	RF2=9.67	AF2=13.67

### 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	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Project Planning and Implementation( 222EC002)	45.00
2	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Construction Planning Scheduling and Control(221TCE002)	45.00

### (CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Pavement Construction and Management(CET 294)	39.00
2	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Eco friendly Transportation System(CET 389)	40.00

### (CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Project Planning and Implementation( 222EC002)	38.00
2	Ms.Sipli Abraham	Senior overseas Manager	Koodaram Builders and Interior	Construction Planning Scheduling and Control(221TCE002)	40.00

### 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	20	46	6
2	No. of peer reviewed conference papers published	0	0	29
3	No. of books/book chapters published	0	5	18

### 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. K Arunkumar		Dept. of Civil Engineering, Mangalam College of Engineering	Investigating the efficiency of utilizing the natural waste by products as a monomer in the eco friendly geopolymers concrete paver block	APJKTU CERD	2	0.30
Dr. K Arunkumar		Dept. of Civil Engineering, Mangalam College of Engineering	Development of novel geopolymers cement and adopting mechanism for the implementation on in-situ concrete	APJKTU - RSM	2	0.90
						Amount received (Rs.):1.20

(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. D Rameshkumar	Mr.B Sankar	Dept. of Civil Engineering, Mangalam College of Engineering	Study on Strength, Durability and Thermal Performance of a novel lightweight concrete block made with Cenosphere, Metakaolin and Coal Bottom Ash Aggregate	APJKTU - CERD	2	0.34
Dr. K Arunkumar	Dr. D Rameshkumar	Dept. of Civil Engineering, Mangalam College of Engineering	Investigation on feasibility of utilizing Coffee-Husk Ash as Alkaline Activator in Geopolymer Concrete	APJKTU - CERD	2	0.34
Dr. P Swaminathan		Dept. of Civil Engineering, Mangalam College of Engineering	High Volume Fly Ash Concrete modified with Metakaolin – A Study on Strength, Durability, Correlation and Predictive Modelling	APJKTU - CERD	2	0.31
Dr. D. Rameshkumar	Dr. K. Arunkumar	Dept. of Civil Engineering, Mangalam College of Engineering	DST-SERB Financial Assistance for International Conference on Sustainable Goals in Materials, Energy and Environment by Civil Department	DST - SERB	1	0.85
						Amount received (Rs.):1.84

(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
Nil		Nil	Nil	Nil	0	0.00
						Amount received (Rs.):0.00

Total Amount (Lacs) Received for the Past 3 Years: 3.04

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
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Haritha M	1 month	0.11
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Stage Certificate	Antony Mathew	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Completion Certificate	Rojimon M V	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Bijoy Kumar	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Philip Kuriakose	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Sankar Bose	1 month	0.15
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Co-operative bank, Karimkunnam	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Saju Mathew	15 Days	0.27
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Estimate	Belgin K G	15 Days	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Estimate	Radhakrishnan Nair	1 month	0.15
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Completion Certificate	K N Sivan	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil Testing	Life Goal Traders S & Arya PD	1 month	0.42
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil Stability	Arif Jain	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Building Plan	Belgin K G	1 month	0.09
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Primary co-operative agricultural bank, Thodupuzha	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Anoop T K	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Midhun Mathew	1 month	0.12
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Joseph A N	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil Testing + Building Plan	Radhakrishnan Nair	1 month	0.56
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Stage Certificate	Anju Mathew	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Shamon P Anilkumar	1 month	0.10
						Amount received (Rs.):2.97

(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
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	George Thomas	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Structural drawing	Tinu Thomas	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Rahul S Rajan	1 month	0.30
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil testing	Shon Davis	1 month	0.35
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Divakaran D	1 month	0.36
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Karishma Joseph	1 month	0.12
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Arif Ali	1 month	0.13
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Commercial building	Jolly George	1 month	0.25
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Structural drawing	Nithin Thomas Koshy	1 month	0.25
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil testing	Sreeja Hanumanthu	1 month	0.40
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Structural drawing	Abhijith N Das	1 month	0.30
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Estimate	Vishnu Raj	1 month	0.13
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Anandhakrishnan N	1 month	0.20
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil testing	Saraswathi Builders	1 month	0.46
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Estimate	Vishnu Raj	1 month	0.14
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Nizar P H	1 month	0.18
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Tijo Jose	1 month	0.30
						Amount received (Rs.):4.07

(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
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Riva Thekkedathu	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	P A Thomas	1 month	0.50
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Valsala Rajan	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Babu M Kurian	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Vakkandam, Thodupuzha	1 month	0.17
Mr Sreerench Raghavu		Dept. of Civil Engineering,	Valuation certificate	PN Keshavan	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	M Kumaran	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil stability certificate	Obi Yahiya	1 month	0.15
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil stability certificate	Obi Yahiya	1 month	0.08
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building + Soil Testing	Neethu George	1 month	0.50
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil stability certificate	Obi Yahiya	1 month	0.10
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Proposed Residential building	Ajaykumar N S & Arya PD	1 month	0.18
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Estimate	Sachin Chandran	1 month	0.11
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Soil testing	George Varghese	1 month	0.44
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Anju Anil	1 month	0.05
Mr Sreerench Raghavu		Dept. of Civil Engineering, Mangalam College of Engineering	Valuation certificate	Sreekala Dileep	1 month	0.05
						Amount received (Rs.):2.58

Total amount (Lacs) received for the past 3 years: 9.62

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.D.Rameshkumar	Publication - Patent	1	0.10	0.10	Publication
Dr.K.Arunkumar	Publication - Patent	1	0.10	0.10	Publication
Dr.R.Radhakrishnan	Publication - Patent	1	0.10	0.10	Publication
Ms. Salini Theres N Kurian	Publication - Patent	1	0.10	0.10	Publication
Dr.P.Swaminathan	Publication - Patent	1	0.10	0.10	Publication
Dr.D.Rameshkumar	Publication - SCI	1	0.20	0.20	Publication
Dr.B Sankar	Publication - SCI	1	0.40	0.40	Publication
Dr.K.Arunkumar	Publication - SCI	1	0.10	0.10	Publication
Dr.D.Rameshkumar	Publication - Scopus	1	0.08	0.08	Publication
Dr.B Sankar	Publication - Scopus	1	0.08	0.08	Publication
			Amount received (Rs.): 1.36		

(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. D. Ramesh Kumar	Publication - Patent	1	0.20	0.20	Publication
Mr. Gokul P V	Publication - Patent	1	0.10	0.10	Publication
Dr. R.Radhakrishnan	Publication - Patent	1	0.10	0.10	Publication
Dr.K.Arunkumar	Publication - Patent	1	0.10	0.10	Publication
Ms. Salini Thereas N Kurian	Publication - Patent	1	0.10	0.10	Publication
Dr.P.Swaminathan	Publication - Patent	1	0.10	0.10	Publication
Dr.P.Swaminathan	Publication - SCI	1	0.10	0.10	Publication
Dr. K Arunkumar	Publication - SCOPUS	1	0.88	0.88	Publication
Dr. D. Ramesh Kumar	Publication - SCOPUS	1	0.24	0.24	Publication
Mr. Gokul P V	Publication - SCOPUS	1	0.16	0.16	Publication
Ms.Reni Kuruvilla	Publication - SCOPUS	1	0.16	0.16	Publication
Ms.Salini Theres N Kurian	Publication - SCOPUS	1	0.16	0.16	Publication
Ms. Aswathy Soman	Publication - SCOPUS	1	0.08	0.08	Publication
Mr.Sankar B	Publication - SCOPUS	1	0.08	0.08	Publication
Mr.Abhijith Kumar A N	Publication - SCOPUS	1	0.08	0.08	Publication
Dr. P. Swaminathan	Publication - SCOPUS	1	0.16	0.16	Publication
Ms. Aksharamol G Raj	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Nirisha Annie Abraham	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Asha Jose	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Silpa Caroline James	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Mita Ann Zachariah	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Haritha M R	Publication - SCOPUS	1	0.08	0.08	Publication
Anila Mary Jacob	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Rakhi Sugunan	Publication - SCOPUS	1	0.08	0.08	Publication
Dr. R.Radhakrishnan	Publication - SCOPUS	1	0.16	0.16	Publication
Mr.Sreerench Ragavu	Publication - SCOPUS	1	0.08	0.08	Publication
Ms.Geethu Lal	Publication - SCOPUS	1	0.08	0.08	Publication
			Amount received (Rs.): 3.76		

(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.K. Arun Kumar	Publication - SCOPUS	1	0.24	0.24	Publication
Dr D Ramesh Kumar	Publication - SCI	1	0.10	0.10	Publication
Dr.P.Swaminathan	Publication - SCI	1	0.10	0.10	Publication
Dr.P.Swaminathan	Publication - Others	1	0.06	0.06	Publication
Mr.Gokul P.V	Publication - Others	1	0.12	0.12	Publication
Ms.Reni Kuruvila	Publication - Others	1	0.03	0.03	Publication
Ms.Ann Mary Jose	Publication - Others	1	0.06	0.06	Publication
Ms.Geethu Lal	Publication - Others	1	0.06	0.06	Publication
Ms.Anila Mary Jacob	Publication - Others	1	0.09	0.09	Publication
Mr.Lulu K Makkar	Publication - Others	1	0.06	0.06	Publication
Ms.Nirisha Annie Abrahham	Publication - Others	1	0.03	0.03	Publication
Ms.Aksharamol G Raj	Publication - Others	1	0.03	0.03	Publication
Ms.Athira Jacob	Publication - Others	1	0.03	0.03	Publication
Dr.K. Arun Kumar	Publication - Others	1	0.06	0.06	Publication
Mr.Ricu Varghese George	Publication - Others	1	0.06	0.06	Publication
Ms.Vidya Mohan	Publication - Others	1	0.03	0.03	Publication
Dr.Asha P Torn	Publication - Others	1	0.03	0.03	Publication
Ms.Gladia Mathew	Publication - Others	1	0.03	0.03	Publication
Mr.Abhijithkumar A.N	Publication - Others	1	0.03	0.03	Publication
Ms.Silpa Caroline James	Publication - Others	1	0.03	0.03	Publication
Ms.Aswathy Sugu	Publication - Others	1	0.03	0.03	Publication
			Amount received (Rs.): 1.31		

Total amount (Lacs) received for the past 3 years : 6.43

**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	Environmental Engineering Lab	30	1. BOD Incubator 2.Nephelo Turbidimeter 3. COD Apparatus 4. Jar Test Apparatus 5. pH meter 6. Conductivity meter 7. Dissolved Oxygen	12	Ms. Anjali K P	Lab Instructor	ITI
2	Geotechnical Engineering Lab	30	1.Direct shear apparatus 2.Triaxial Testing machine 3.Unconfined compression testing machine 4. Consolidation Testing machine	12	Ms. Anjali K P	Lab Instructor	ITI
3	Transportation Engineering Lab	30	1. Aggregate Impact Testing Machine 2.Briquette Apparatus 3.Pensky – Martens Flash and fire point	12	Mr. Bineesh B	Lab Instructor	ITI
4	Survey Lab	30	1.Total Station 2.Automatic Level 3.Digital Level 4.GPS 5.Dumpy Level 6. Theodolite	12	Ms. Usha T J	Lab Instructor	ITI
5	Computer Application Lab	30	1.Dell vostro 3920 desktops 2.Auto CAD 3.STAAD software 4.E-Tabs, 5.Primavera	18	Ms. Usha T J	Lab Instructor	ITI
6	Material Testing Lab I	30	1.Universal Testing Machine 2. Torsion Testing Machine 3.Brinell Hardness Testing Machine	24	Ms. Ancy Joseph	Lab Instructor	DCE
7	Material Testing Lab II	30	1.Digital Compressive testing machine 2.Digital Flexural testing machine 3.Compaction factor testing	12	Mr. Bineesh B	Lab Instructor	ITI
8	Civil Engineering Workshop	30	1. Vernier Caliper 2. Screw Gauge 3.Chain 4. Tape 5. Dumpy level	18	Ms. Ancy Joseph	Lab Instructor	DCE

## D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	1. Civil Engineering Workshop 2. Material Testing Lab I & II 3. Geo-technical Engineering Lab 4. Transportation Engineering Lab	All labs are Equipped with 1.Fire extinguisher 2.First aid box 3.Water supply 4.Display boards showing • Do's • Don'ts • Safety measures 5. All students should wear uniform and safety shoes. No Sandals are allowed. 6. Dress properly during all laboratory activities. Long hair, dangling jewelry and loose or baggy clothing are a hazard in the laboratory. Long hair must be tied back and dangling jewelry and loose or baggy clothing must be secured. 6. Students should enter the details of equipment's used for various experiments in log register. 7. Lab technician periodically should maintain all equipment and keep them in good working condition. 8. Please report any unsafe behavior or condition to the instructor or staff 9. Perform only those experiments authorized by the instructor. Never do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral. 10. All accidents, no matter how minor, should be reported to the faculty/staff member supervising the laboratory immediately. 11. Students are expected to exhibit good conduct while working in the laboratory.
2	1 Civil Engineering Drafting Lab 2. Computer Aided Civil Engineering Lab	All labs are Equipped with 1.Fire extinguisher. 2. First aid box. 3. Proper uniform and id card is mandatory. 4. When you enter the lab make sure you sign the entry register. 5. Before starting the work, ensure computer is in working condition. 6. Maintain strict discipline in the lab. 7. Arrange the chair in proper order and shutdown the system before leaving the lab. 8. Switch off all electrical equipment before leaving.
3	1. Environmental Engineering Lab	All labs are Equipped with 1.Fire extinguisher 2.First aid box 3.Water supply 4.Display boards showing • Do's • Don'ts • Safety measures 5. All students should wear uniform and safety shoes, glasses and gloves. No Sandals are allowed. Always wear a lab coat when inside the laboratory. 6. Do not touch any equipment, chemicals or other materials in the laboratory area until you are instructed to do so. Carefully use the glassware and chemicals by the instruction of lab staff and instructor. 7. Dress properly during all laboratory activities. Long hair, dangling jewelry and loose or baggy clothing must be secured. 8. Students should enter the details of equipment used for various experiments in log register. 9. Lab technician periodically should maintain all equipment and keep them in good working condition. 10. Please report any unsafe smell or condition to the instructor or staff 11. Perform only those experiments authorized by the instructor. Never do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral. 12. All accidents, no matter how minor, should be reported to the faculty/staff member supervising the laboratory immediately. 13. Students are expected to exhibit good conduct while working in the laboratory.
4	1. Survey Lab	The lab is Equipped with 1.Fire extinguisher 2.First aid box 3.Water supply 4.Display boards showing • Do's • Don'ts • Safety measures 5. All students should wear uniform and safety shoes and sunglasses. No Sandals are allowed. Always wear a lab coat while doing the experiment. 6. Students should wear white cap or use an umbrella to avoid sunburn. 7. Students should enter the details of equipment used for various experiments in log register. 8. Lab technician periodically should maintain all equipment and keep them in good working condition. 9. Perform only those experiments authorized by the instructor. Never do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral. 10. Students are expected to exhibit good conduct while working in the laboratory. 11. After completion of experiments students should handover the instruments to lab technician.

## D3. Project Laboratory/Research Laboratory

## PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

### E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) +(NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	480	24	19	12	73
2024-25(CAYm1)	600	30	16	14	52
2025-26(CAY)	600	30	20	13	62

**E2. Budget Allocation, Utilization, and Public Accounting at Institute Level**

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	17000000	732048	15500000	14744069	18500000	17458727	34000000	31408332
Library	1100000	212421	1050000	982798	850000	780065	2100000	1957421
Laboratory equipment	5200000	4425072	900000	838782	3400000	3220608	2900000	2674777
Teaching and non-teaching staff salary	101000000	73320637	100000000	95711864	97000000	91340001	87500000	83386655
Outreach Programs	200000	73224	195000	182746	300000	281968	165000	151926
R&D	2000000	606991	1900000	1797495	890000	821533	1500000	1395021
Training, Placement and Industry linkage	1400000	405140	1300000	1209500	2200000	2059449	2250000	2103067
SDGs	1300000	1104532	750000	701039	310000	293284	175000	162463
Entrepreneurship	20000	2000	1000	0	0	0	0	0
Others, specify	100780000	33548614	104404000	98067052	101500000	93326345	158490000	150212125
<b>Total</b>	<b>230000000</b>	<b>114430679</b>	<b>226000000</b>	<b>214235345</b>	<b>224950000</b>	<b>209581980</b>	<b>289080000</b>	<b>273451787</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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	70000	766600	50000	2966	200000	212277.75	155000	158446
Software	50000	29000	30000	26383	50000	50000	50000	69738
SDGs	180000	163000	180000	150000	100000	54000	50000	35000
Support for faculty development	100000	8000	150000	136000	400000	376000	150000	131000
R & D	100000	44800	640000	634748.5	100000	93982	100000	57107
Industrial Training, Industry expert, Internship	100000	52300	85000	74000	50000	40200	200000	158000
Miscellaneous Expenses*	40000	15000	35000	25000	40000	34217	30000	25071
<b>Total</b>	<b>1270000</b>	<b>1078700</b>	<b>1170000</b>	<b>1049097.5</b>	<b>940000</b>	<b>860676.75</b>	<b>735000</b>	<b>634362</b>