NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for:

A1: Name of the Institute: Thiagarajar college of Engineering

Year of Establishment :1957

Location of the Institute:Madurai

A2: Institute Address: -

City : Madurai

State :Tamilnadu

Pin Code : 625015

Website:www.tce.edu

E-mail :principal@tce.edu

Phone No (with STD Code):0452 - 2482240

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

Name of the University : Anna University

City : Chennai

State : Tamil Nadu

Pincode : 600025

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

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

***Provide Details:** _____

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

Central Government	☐	State Government	☐
Government Aided	✓	Self-financing	☐
Any Other (Please specify) *	☐	***Provide Details:**	_____

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

- No. of UG programs: 11
- No. of PG programs: 11

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	Civil Engineering	1957	--	Civil Engineering
2	UG	Mechanical Engineering	1957	--	Mechanical Engineering
3	UG	Electrical and Electronics Engineering	1957	--	Electrical and Electronics Engineering

4	UG	Electronics and Communication Engineering	1978	--	Electronics and Communication Engineering
5	UG	Computer Science and Engineering	1984	--	Computer Science and Engineering
6	UG	Information Technology	1999	--	Information Technology
7	UG	Mechatronics	2014	--	Mechatronics
8	UG	Computer Science and Business System	2020	--	Computer Science and Business System
9	UG	Architecture	1995	--	Architecture
10	UG	. Interior Design	2024	--	Architecture
11	UG	Computer Science and Engineering (AI & ML)	2024	--	Computer Science and Engineering
12	PG	Structural Engineering	1972	--	Civil Engineering
13	PG	Construction Engineering and Management	2022	--	Civil Engineering
14	PG	Communication Systems	1995	--	Electronics and Communication Engineering
15	PG	Computer Science and Engineering	2001	--	Computer Science and Engineering
16	PG	Master of Computer Applications	1985	--	Computer Applications
17	PG	Urban Planning	2024	--	Architecture
18	PG	Power System Engineering	1972	2024	Electrical and Electronics Engineering
19	PG	Engineering Design	2022	2023	Mechanical Engineering
20	PG	Industrial Engineering	1986	2022	Mechanical Engineering
21	PG	Infrastructure Engineering and Management	2011	2022	Civil Engineering
22	PG	Environmental Engineering	2007	2023	Civil Engineering

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	Civil Engineering	B.E. Civil Engineering
2.	Mechanical Engineering	B.E. Mechanical Engineering
3.	Electrical and Electronics Engineering	B.E. Electrical and Electronics Engineering
4.	Electronics and Communication Engineering	B.E. Electronics and Communication Engineering

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.

Cluster ID.	Name of the Department (in table no. A7.1)	Name of allied Departments/Cluster (for table no. A7.1)
1.	Mechanical Engineering	Mechatronics
2.	Electronics and Communication Engineering	Mechatronics

PART-B: Program information

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

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

Table No. B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake, if any	Year of increase/ decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	B.E. Civil Engineering	1957	60	120	2011	F.No. Southern/1-429823423/2011 /EOA dated 01-09-2011	Granted Accreditation for 3 Years for the period (2021-22 to 2024-25)	4
2.	M.E. Structural Engineering	1971	15	18	2023	F.No. Southern/1-36479607704/2023/ EOA/ dated 10-06-2023	Granted Accreditation for 5 Years for the period (2016-17 to 2021-22)	2
3.	M.E. Construction Engineering and Management	2022	18	-	-	F.No. Southern/1-10973153784/2022/ EOA Dated 07-07-2022	Not Eligible for accreditation	-

* Write applicable one:

- ❖ Applying first time
- ❖ Granted accreditation for 2/3 years for the period (specify period)
- ❖ Granted accreditation for 5/6 years for the period (specify period)
- ❖ Not accredited (specify visit dates, year).
- ❖ Withdrawn (specify visit dates, year)
- ❖ Not eligible for accreditation.

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

A. Name of the HoD : Dr.S.Arul Mary

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

- ❖ **Regular** ☑
- ❖ **Contract** ☐
- ❖ **Ad hoc** ☐

C. Qualification: (Tick the applicable choice)

- ❖ **Ph.D.** ☑
- ❖ **ME/M.Tech** ☐
- ❖ **Any other*** ☐

***Please provide details:** _____

B3: Program Details

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	**CAY**	**CAYm1**	**CAYm2**	**CAYm3**	**CAYm4 (LYG)**	**CAYm5 (LYGm1)**	**CAYm6 (LYGm2)**
N= Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	120	120	120	120	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	118	119	117	114	110	117	121
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	-	13	16	22	21	26	17
N3= Separate division if any	-	-	-	-	-	-	3
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	-	-	-	-	-	-	-
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	118	132	133	136	131	143	141

B4: Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Item (Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	**CAY**	**CAYm1**	**CAYm2**
N= Sanctioned intake of the program in the 1st year (as per AICTE/Competent authority)	120	120	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	118	119	117
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0
Enrolment Ratio (ER)= (N1+N4)/N	98.33	99.17	97.5
Average ER= (ER_1+ ER_2+ ER_3)/3	**98.33**		

B5: Success Rate of the Students in the Stipulated Period of the Program

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

Item	LYG	LYGm1	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).	131	143	141
B=No. of students who graduated from the program in the stipulated course duration	113	118	127
Success Rate (SR)= (B/A)*100	86.3	82.5	90.1
Average SR of three batches ((SR_1+SR_2+ SR_3)/3)	**86.3**		

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	CAYm2	CAYm3
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)	7.597	7.454	7.461
Y= Total no. of successful students	119	117	110
Z = Total no. of students appeared in the examination	119	117	110
API = X* (Y/Z)	7.597	7.454	7.461
Average API = (API_1 + API_2 + API_3)/3	**7.504**		

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	CAYm2	CAYm3
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)	7.521	7.452	8.137
Y= Total no. of successful students	132	131	129
Z =Total no. of students appeared in the examination	132	131	129
API = X* (Y/Z)	7.521	7.452	8.137
Average API = (API_1 + API_2 + API_3)/3	**7.703**		

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	CAYm2	CAYm3
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)	7.500	7.868	8.291
Y= Total no. of successful students	131	127	136
Z= Total no. of students appeared in the examination	131	127	136
API = X* (Y/Z)	7.500	7.868	8.291
Average API = (API_1 + API_2 + API_3)/3	**7.886**		

B9: Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG	LYGm1	LYGm2
FS*=Total no. of final year students	125	134	131
X= No. of students placed	80	96	87
Y= No. of students admitted to higher studies	6	3	12
Z= No. of students taking up entrepreneurship	4	6	2
X + Y + Z =	90	105	101
Placement Index (P) = (((X + Y + Z)/FS) * 100)	72	78	77
Average placement index = (P_1 + P_2 + P_3)/3	**76**		

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

PART C: Faculty Details in Department and Allied Departments

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Faculty details (Academic Year: 2024-25)

S.No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1	Dr. T. Vel Rajan	AAHPV3280E	423545691350	PhD	BHARATHIYAR UNIVERSITY	Environmental Engineering	02.12.1994	29	Lecturer	Professor	11.10.2007	Regular	NA	Y	NA
2	Dr. K. Sudalaimani	ABPPS1237H	----	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	07.04.1993	31	Lecturer	Professor	12.12.2009	Regular	NA	Y	NA
3	Dr. R. Velkennedy	AAHPV3282G	475042756246	PhD	MADURAI KAMARAJ UNIVERSITY	Traffic & Transportation Planning	27.09.1993	31	Lecturer	Professor	23.01.2010	Regular	NA	Y	NA
4	Dr. S. Nagan	AAGPN0858F	951424318919	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	02.06.1997	27	Lecturer	Professor	08.11.2012	Regular	NA	Y	NA
5	Dr. S. Arul Mary	ADTPA8212A	861379588551	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	15.12.1997	27	Lecturer	Professor & Head	15.12.2013	Regular	NA	Y	NA
6	Dr. G. Chitra	ACBPC9597P	107785215358	PhD	MADURAI KAMARAJ UNIVERSITY	Construction Engineering &Management	09.01.1998	26	Lecturer	Professor	09.01.2014	Regular	NA	Y	NA
7	Dr. S. Chandran	AFTPC8345Q	572216296161	PhD	ANNA UNIVERSITY	Irrigation Water Management	18.11.2004	20	Lecturer	Professor	07.03.2015	Regular	NA	Y	NA
8	Dr. T. Baskaran	AECPB0842B	252173351549	PhD	ANNA UNIVERSITY	Hydrology and Water Resources Engineering	19.08.1998	26	Lecturer	Professor	24.04.2015	Regular	NA	Y	NA
9	Dr. M. C. Sundarraja	ANVPS4759E	643879541477	PhD	ANNA UNIVERSITY	Structural Engineering	16.12.1999	25	Lecturer	Professor	05.01.2015	Regular	NA	Y	NA
10	Dr. D. Brindha	AGOPB7378J	233252542282	PhD	ANNA UNIVERSITY	Structural Engineering	13.03.2002	22	Lecturer	Professor	14.03.2018	Regular	NA	Y	NA

11	Dr. R. Ponnudurai	AKUPP9166A	919582995116	PhD	ANNA UNIVERSITY	Fracture Mechanics	17.03.2003	21	Lecturer	Associate Professor	17.03.2016	Regular	NA	Y	NA
12	Dr. R. Sanjay Kumar	APGPS3287N	892151927618	PhD	ANNA UNIVERSITY	Geotechnical Engineering	28.01.2002	22	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA
13	Dr. V. Ravi Sankar	AFEPR2385E	383424112835	PhD	ANNA UNIVERSITY	Environmental Engineering	05.01.2010	14	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
14	Mr. S. Kannan	BGYPK3359P	203800229993	ME	ANNA UNIVERSITY	Structural Engineering	14.06.2012	12	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
15	Dr. M. Ramasamy	AEEPR6602K	264609567214	PhD	ANNA UNIVERSITY	Hydrology & Water Resource Engineering	13.07.1998	26	Lecturer	Assistant Professor	NA	Regular	NA	Y	NA
16	Dr. D. Rajkumar	BCBPR2990C	511486600273	PhD	ANNA UNIVERSITY	Structural Engineering	14.06.2012	12	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17	Dr. R. K. C. Jeykumar	ACKPJ1506C	277022167249	PhD	ANNA UNIVERSITY	Environmental Engineering	20.06.2012	12	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
18	Dr. R. Indrajith Krishnan	ABBPI0997A	665146571517	PhD	ANNA UNIVERSITY	Structural Engineering	29.07.2013	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
19	Dr. R. Sankaranarayanan	FGQPS7345K	698282056452	PhD	ANNA UNIVERSITY	Structural Engineering	20.12.2013	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20	Ms. M. Aruna	BMLPA5897H	999947852186	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	08.01.2021	03	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
21	Mr. B. Dinesh Kumar	CUSPD7561B	472548469072	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	28.12.2020	03	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22	Dr. K. Athiappan	AWBPA3603L	557498127177	PhD	ANNA UNIVERSITY	Urban Engineering	18.08.2021	03	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
23	Mrs. J. Eunice	ABQPE1168E	361520161065	ME	ANNA UNIVERSITY	Environmental Engineering	01.08.2022	02	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
24	Mrs. R. Abinaya Rajakumari	BRYPA2379C	599197684763	ME	ANNA UNIVERSITY	Geomatics	15.07.2024	0.7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
25	Dr. G. Angelin Lincy	AVKPA3142N	603487137344	PhD	ANNA UNIVERSITY	Structural Engineering	18.07.2024	0.7	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

Faculty details (Academic Year: 2023-24)

S.No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1	Dr. T. Vel Rajan	AAHPV3280E	423545691350	PhD	BHARATHIYAR UNIVERSITY	Environmental Engineering	02.12.1994	28	Lecturer	Professor	11.10.2007	Regular	NA	Y	NA
2	Dr. K. Sudalaimani	ABPPS1237H	------	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	07.04.1993	30	Lecturer	Professor & Head	12.12.2009	Regular	NA	Y	NA
3	Dr. R. Velkennedy	AAHPV3282G	475042756246	PhD	MADURAI KAMARAJ UNIVERSITY	Traffic &Transportation Planning	27.09.1993	30	Lecturer	Professor	23.01.2010	Regular	NA	Y	NA
4	Dr. S. Nagan	AAGPN0858F	951424318919	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	02.06.1997	26	Lecturer	Professor	08.11.2012	Regular	NA	Y	NA
5	Dr. S. Arul Mary	ADTPA8212A	861379588551	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	15.12.1997	26	Lecturer	Professor	15.12.2013	Regular	NA	Y	NA
6	Dr. G. Chitra	ACBPC9597P	107785215358	PhD	MADURAI KAMARAJ UNIVERSITY	Construction Engineering &Management	09.01.1998	25	Lecturer	Professor	09.01.2014	Regular	NA	Y	NA
7	Dr. S. Chandran	AFTPC8345Q	572216296161	PhD	ANNA UNIVERSITY	Irrigation Water Management	18.11.2004	19	Lecturer	Professor	07.03.2015	Regular	NA	Y	NA

8	Dr. T. Baskaran	AECPB0842B	252173351549	PhD	ANNA UNIVERSITY	Hydrology and Water Resources Engineering	19.08.1998	25	Lecturer	Professor	24.04.2015	Regular	NA	Y	NA
9	Dr. M. C. Sundarraja	ANVPS4759E	643879541477	PhD	ANNA UNIVERSITY	Structural Engineering	16.12.1999	24	Lecturer	Professor	05.01.2015	Regular	NA	Y	NA
10	Dr. D. Brindha	AGOPB7378J	233252542282	PhD	ANNA UNIVERSITY	Structural Engineering	13.03.2002	21	Lecturer	Professor	14.03.2018	Regular	NA	Y	NA
11	Dr. R. Ponnudurai	AKUPP9166A	919582995116	PhD	ANNA UNIVERSITY	Fracture Mechanics	17.03.2003	20	Lecturer	Associate Professor	17.03.2016	Regular	NA	Y	NA
12	Dr. R. Sanjay Kumar	APGPS3287N	892151927618	PhD	ANNA UNIVERSITY	Geotechnical Engineering	28.01.2002	21	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA
13	Dr. V. Ravi Sankar	AFEPR2385E	383424112835	PhD	ANNA UNIVERSITY	Environmental Engineering	05.01.2010	13	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
14	Mr. S. Kannan	BGYPK3359P	203800229993	ME	ANNA UNIVERSITY	Structural Engineering	14.06.2012	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
15	Dr. M. Ramasamy	AEEPR6602K	264609567214	PhD	ANNA UNIVERSITY	Hydrology& Water Resource Engineering	13.07.1998	25	Lecturer	Assistant Professor	NA	Regular	NA	Y	NA
16	Dr. D. Rajkumar	BCBPR2990C	511486600273	PhD	ANNA UNIVERSITY	Structural Engineering	14.06.2012	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17	Dr. R. K. C. Jeykumar	ACKPJ1506C	277022167249	PhD	ANNA UNIVERSITY	Environmental Engineering	20.06.2012	11	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
18	Dr. R. Indrajith Krishnan	ABBPI0997A	665146571517	ME	ANNA UNIVERSITY	Structural Engineering	29.07.2013	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

19	Dr. R. Sankaranarayanan	FGQPS7345K	698282056452	ME	ANNA UNIVERSITY	Structural Engineering	20.12.2013	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20	Mrs. K. Keerthy	AVPPJ3444B	--------	ME	ANNA UNIVERSITY	Environmental Engineering	05.07.2017	6	Assistant Professor	Assistant Professor	NA	Regular	NA	N	03.10.24
21	Ms. M. Aruna	BMLPA5897H	999947852186	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	08.01.2021	2	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22	Mr. B. Dinesh Kumar	CUSPD7561B	472548469072	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	28.12.2020	2	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
23	Dr. K. Athiappan	AWBPA3603L	557498127177	PhD	ANNA UNIVERSITY	Urban Engineering	18.08.2021	2	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
24	Ms. K. Muthu Prema	CCIPM5881K	-------	ME	ANNA UNIVERSITY	Geotechnical Engineering	16.08.2021	3	Assistant Professor	Assistant Professor	NA	Regular	NA	N	13.05.24
25	Mrs. J. Eunice	ABQPE1168E	361520161065	ME	ANNA UNIVERSITY	Environmental Engineering	01.08.2022	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

Faculty details (Academic Year: 2022-23)

S.No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case Currently Associated is "No")
1	Dr. T. Vel Rajan	AAHPV3280E	423545691350	PhD	BHARATHIYAR UNIVERSITY	Environmental Engineering	02.12.1994	27	Lecturer	Professor & Head	11.10.2007	Regular	NA	Y	NA
2	Dr. K. Sudalaimani	ABPPS1237H	-------	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	07.04.1993	29	Lecturer	Professor	12.12.2009	Regular	NA	Y	NA
3	Dr. R. Velkennedy	AAHPV3282G	475042756246	PhD	MADURAI KAMARAJ UNIVERSITY	Traffic & Transportation Planning	27.09.1993	29	Lecturer	Professor	23.01.2010	Regular	NA	Y	NA
4	Dr. S. Nagan	AAGPN0858F	951424318919	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	02.06.1997	25	Lecturer	Professor	08.11.2012	Regular	NA	Y	NA
5	Dr. S. Arul Mary	ADTPA8212A	861379588551	PhD	MADURAI KAMARAJ UNIVERSITY	Structural Engineering	15.12.1997	25	Lecturer	Professor	15.12.2013	Regular	NA	Y	NA
6	Dr. G. Chitra	ACBPC9597P	107785215358	PhD	MADURAI KAMARAJ UNIVERSITY	Construction Engineering &Management	09.01.1998	24	Lecturer	Professor	09.01.2014	Regular	NA	Y	NA

7	Dr. S. Chandran	AFTPC8345Q	572216296161	PhD	ANNA UNIVERSITY	Irrigation Water Management	18.11.2004	18	Lecturer	Professor	07.03.2015	Regular	NA	Y	NA
8	Dr. T. Baskaran	AECPB0842B	252173351549	PhD	ANNA UNIVERSITY	Hydrology and Water Resources Engineering	19.08.1998	24	Lecturer	Professor	24.04.2015	Regular	NA	Y	NA
9	Dr. M. C. Sundarraja	ANVPS4759E	643879541477	PhD	ANNA UNIVERSITY	Structural Engineering	16.12.1999	23	Lecturer	Professor	05.01.2015	Regular	NA	Y	NA
10	Dr. D. Brindha	AGOPB7378J	233252542282	PhD	ANNA UNIVERSITY	Structural Engineering	13.03.2002	20	Lecturer	Professor	14.03.2018	Regular	NA	Y	NA
11	Dr. R. Ponnudurai	AKUPP9166A	919582995116	PhD	ANNA UNIVERSITY	Fracture Mechanics	17.03.2003	19	Lecturer	Associate Professor	17.03.2016	Regular	NA	Y	NA
12	Dr. R. Sanjay Kumar	APGPS3287N	892151927618	PhD	ANNA UNIVERSITY	Geotechnical Engineering	28.01.2002	20	Lecturer	Associate Professor	01.03.2022	Regular	NA	Y	NA
13	Dr. V. Ravi Sankar	AFEPR2385E	383424112835	PhD	ANNA UNIVERSITY	Environmental Engineering	05.01.2010	12	Assistant Professor	Associate Professor	01.03.2022	Regular	NA	Y	NA
14	Mrs. G. Celine Reena	AHMPC7362G	-------	ME	ANNA UNIVERSITY	Structural Engineering	28.04.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	N	30.04.23
15	Dr. A. Rajasekar	AVXPR7519P	-------	PhD	ANNA UNIVERSITY	Structural Engineering	24.03.2014	9	Assistant Professor	Assistant Professor	NA	Regular	NA	N	30.09.23
16	Mr. S. Kannan	BGYPK3359P	203800229993	ME	ANNA UNIVERSITY	Structural Engineering	14.06.2012	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
17	Dr. M. Ramasamy	AEEPR660	14814391	ME	ANNA UNIVERSIT	Hydrology& Water Resource	13.07.1998	24	Lecturer	Assistant Professor	NA	Regular	NA	Y	NA

		2K	63		Y	Engineering									
18	Dr. D. Rajkumar	BCBPR2990C	511486600273	PhD	ANNA UNIVERSITY	Structural Engineering	14.06.2012	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
19	Dr. R. K. C. Jeykumar	ACKPJ1506C	277022167249	PhD	ANNA UNIVERSITY	Environmental Engineering	20.06.2012	10	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
20	Dr. R. Indrajith Krishnan	ABBPI0997A	665146571517	ME	ANNA UNIVERSITY	Structural Engineering	29.07.2013	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
21	Dr. R. Sankaranarayanan	FGQPS7345K	698282056452	ME	ANNA UNIVERSITY	Structural Engineering	20.12.2013	9	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
22	Mrs. K. Keerthy	AVPPJ3444B	---------	ME	ANNA UNIVERSITY	Environmental Engineering	05.07.2017	7	Assistant Professor	Assistant Professor	NA	Regular	NA	N	03.10.24
23	Ms. M. Aruna	BMLPA5897H	999947852186	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	08.01.2021	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
24	Mr. P. Selvaprasanth	FTNPS1830R	--------	ME	ANNA UNIVERSITY	Construction Engineering &Management	28.12.2020	1	Assistant Professor	Assistant Professor	NA	Regular	NA	N	02.11.23
25	Mr. B. Dinesh Kumar	CUSPD7561B	472548469072	ME	ANNA UNIVERSITY	Infrastructure Engineering & Management	28.12.2020	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA

26	Dr. K. Athiappan	AWBPA3603L	557498127177	PhD	ANNA UNIVERSITY	Urban Engineering	18.08.2021	1	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
27	Ms. K. Muthu Prema	CCIPM5881K	-------	ME	ANNA UNIVERSITY	Geotechnical Engineering	16.08.2021	2	Assistant Professor	Assistant Professor	NA	Regular	NA	N	13.05.24
28	Mrs. J. Eunice	ABQPE1168E	361520161065	ME	ANNA UNIVERSITY	Environmental Engineering	01.08.2022	0.8	Assistant Professor	Assistant Professor	NA	Regular	NA	Y	NA
29	Mr.G.Ramasamy	CACPR4147P	--------	ME	ANNA UNIVERSITY	Construction Engineering & Management	10.08.2022	0.8	Assistant Professor	Assistant Professor	NA	Regular	NA	N	26.02.24

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

Year	CAY	CAYm1	CAYm2
UG_1. B // 2nd year students of UG_1 program	132	132	132
UG_1. C // 3nd year students of UG_1 program	132	132	132
UG_1. D // 4th year students of UG_1 program	132	132	132
UG_1 // Total no.of students(2nd, 3rd, 4th) in UG_1 program **(UG- Engineering-CE)**	396	396	396
PG_1. A // 1st year students of PG_1 program	18	18	25
PG_1. B // 2nd year students of PG_1 program	18	25	25
PG_1 // Total no.of students(1st, 2nd) in PG_1 program **(PG- Engineering-CE-(Structural Engineering))**	36	43	50
PG_2. A // 1st year students of PG_m program	0	0	0
PG_2. B // 2nd year students of PG_m program	0	0	18
PG_2 // Total no.of students(1st, 2nd) in PG_m program **(PG- Engineering-CE-(Environmental Engineering))**	0	0	18
PG_3. A // 1st year students of PG_m program	0	0	0
PG_3. B // 2nd year students of PG_m program	0	0	18
PG_3 // Total no.of students(1st, 2nd) in PG_m program **(PG- Engineering-CE-(Infrastructure Engineering & Management))**	0	0	18
PG_4. A // 1st year students of PG_m program	18	18	18
PG_4. B // 2nd year students of PG_m program	18	18	0
PG_4 // Total no.of students(1st, 2nd) in PG_m program **(PG- Engineering-CE-(Construction Engineering & Management))**	36	36	18
DS=Total no. of students in all UG and PG programs in the Department	**468**	**475**	**500**
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=468 (396(UG)+72(PG))	S2=475 (396(UG)+79(PG))	S3=500 (396(UG)+104(PG))
DF=Total no. of faculty members in the Department	25	25	29
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=25	F2=25	F3=29
FF=The faculty members in F who have a 100% teaching load in the first-year courses	00	00	00
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1=468/25 =18.72	SFR2=475/25=19.00	SFR3=500/29 =17.24
Average SFR for 3 years	Average SFR = (18.72+19+17.24)/3 = **18.32**		

C3: Faculty Qualification

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQI= 2.5 * [(10X +4Y)/RF]
CAY	20	5	23.4	23.50
CAYm1	16	9	23.75	20.63
CAYm2	17	12	25	21.80

C4: Faculty Cadre Proportion

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY	2.600	10	5.200	3	15.600	12
CAYm1	2.639	10	5.278	3	15.833	12
CAYm2	2.778	10	5.556	3	16.667	16
Average Numbers	**RF1= 2.672**	**AF1= 10**	**RF2= 5.345**	**AF2= 3**	**RF3=16.033**	**AF3= 13.33**

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1				
NIL				
			Total no. of hours:	NA
CAYm2				
NIL				
			Total no. of hours:	NA
CAYm3				
1	A.Karthikeyan	Director, M/s Karthikeyan Associates, Arumbakkam, Chennai.	18CEPQ0-Ground Improvement Techniques	**22**
2	Arockia Heronimus Pandian S	Deputy General Manager, Reliance Infrastructure Limited, Kudankulam	18CERJ0- Management of Human Resource, Safety and Quality & Interaction with Students	25+6 =**31**
			Total no. of hours:	53

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1	CAYm2	CAYm3
1	No. of peer reviewed journal papers published	20	9	17
2	No. of peer reviewed conference papers published	4	4	3
3	No. of books/book chapters published	2	1	-

C7: Sponsored Research Project

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

S.N.	PI name	Co-PI names if any	Name of the Dept., Where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
2023-24							
1	Dr.Rajasekar	-	Civil Engineering	Characterization and development of Ultra high performance geopolymer concrete with improved radiation and blast resistance for nuclear application	TARE-SERB	3 YEARS	Rs. 2.75 lakhs
2	Dr.D.Brindha	--	Civil Engineering	Assessment of LFG recovery, utilization,reduction in GHG emissions at landfill site, Tamil Nadu, India	MOEFCC	2.6 YEARS	Nil
						Amount received (Rs.)	Rs. 2.75 lakhs
2022-23							
1	Dr.D.Brindha	--	Civil Engineering	Assessment of LFG recovery, utilization,reduction in GHG emissions at landfill site, Tamil Nadu, India	MOEFCC	2.6 YEARS	Rs.10.58lakhs
2	Dr.Rajasekar	-	Civil Engineering	Characterization and development of Ultra high performance geopolymer concrete with improved radiation and blast resistance for nuclear application	TARE-SERB	3 YEARS	Rs. 2.75 lakhs
3	Dr.R.K.C.Jeykumar	--	Civil Engineering	Mission Amrit sarovar - Jal Dharohar Sanrakshan (MRS -JDS) - Mariyamman Teppakulam	AICTE Internship	2 months 2022	Rs.2.00 lakhs
						Amount received (Rs.)	Rs.15.33lakhs
2021-22							
1	Dr.D.BRINDHA	--	Civil Engineering	Assessment of LFG recovery, utilization, reduction in GHG emissions at landfill site, Tamil Nadu, India	MOEFCC	2.6 YEARS	Rs. 8.46lakhs
2	Dr.Rajasekar	-	Civil Engineering	Characterization and development of Ultra high performance geopolymer concrete with improved radiation and blast resistance for	TARE-SERB	3 YEARS	Rs. 2.75lakhs

				nuclear application			
3.	Dr.S.Chandran			Bioremediation of Urban sites contaminated due to Municipal Wastewater Disposal	MHRD – SPARC (Scheme for promotion of Academic and Research Collaboration)	2 YEARS	Rs.5lakhs
4.	Dr.S.Chandran			Study on the reclamation of wasteland using treated/ untreated urban waste water Science and Engineering Research Board - Empowerment and Equity Opportunities for Excellence in Science	SERB- EMEQ	3 YEARS	Rs.15lakhs
						Amount received (Rs.)	Rs.31.21lakhs
						Total Amount (Lacs) Received for the Past 3 Years	Rs. 49.29lakhs

C8: Consultancy Work

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

S.N.	PI name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project title*	Name of the Funding agency	Duration of the project	Amount (Lacs)
CAYm1(2023-24)							
1	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE Madurai	5 days	0.354
2	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Mr.S.S.Dilip Babu, Madurai	5 days	0.118
3	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	MR.S.A.Pandian, Madurai	5 days	0.118
4	Dr. A.Rajasekar	Dr. R.Sankaranarayanan	Civil Engineering	STP Design and Drawing	Tamil Nadu Urban Habitat Development Board, Tirunelveli	15 days	0.590
5	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	AL Jami'A Madhrasah Dhaarur Rahma (H), 160, Pilavakkal Dam.	5 days	0.236
6	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Postal Sub Division, Madurai	1 Month	0.094
7	Dr. S. Arul Mary	Dr. D.Brindha Dr. D.Rajkumar	Civil Engineering	stability of building	Madras High Court,Madurai Bench	10 days	0.590
8	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	I.Vijayalakshmi, Ellisnagar, Madurai	5 days	0.236
9	Dr. S. Chandran	Dr. R.K.C. Jeykumar	Civil Engineering	Vetting of STP Design	RDO,Madurai west panchayat union.	15 days	0.496
10	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Assistant Engineer, Postalsub division, madurai	5 days	0.236
11	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Block Developement Officer, Narikudi	1 Week	0.118

12	Dr. S. Arul Mary	Dr. D.Rajkumar	Civil Engineering	Non-Destructive Testing	Tamil Nadu Handloom Weavers,Madurai	2 Days	0.059
13	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Executive officer, Sithayyankottai	5 days	0.236
14	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Executive officer, Nilakottai,Dindigul	5 days	0.354
15	Dr. D. Brindha	Dr. R.Sankaranarayanan	Civil Engineering	Mix Design	Executive officer, sithayyankottai	1 Month	0.354
16	Dr. S. Arul Mary	Dr. D.Rajkumar	Civil Engineering	Core Compression Test	Sri Sairam Hammers, Madurai	2 days	0.050
17	Dr. S. Arul Mary	Dr. D.Rajkumar	Civil Engineering	NDT	Tamil Nadu Handloom Weavers,Madurai	2 Days	0.440
18	Dr. D. Rajkumar,	Dr. D.Rajkumar	Civil Engineering	Mix Design	Rpp Infra Projects,Erode	1 Month	0.354
19	Dr. D. Brindha	Dr. R.Sankaranarayanan	Civil Engineering	Tension test on TMT Bars	True waves Associates, Madurai	1 day	0.295
20	Dr. R.Sanjay Kumar	Ms. K. Muthuprema	Civil Engineering	Standard penetration test	St.John De Britto Church, Meler Road, Y.Othakadai, Madurai	5 days	0.236
21	Dr. D. Brindha	-	Civil Engineering	Reinforcement testing	NKC Builders, Ramnathapuram	2 days	0.236
22	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Block Developement Officer, Panchayat union, Tirumangalam	5 days	0.354
23	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	BDO, Kamuthi.	5 days	0.236
24	Dr. R. Sanjay Kumar	Ms. K.Muthuprema	Civil Engineering	Standard penetration test	Block Developement Officer, Panchayat union, Tirumangalam	5 days	0.354
25	Dr. R. Sanjay Kumar	Ms. K.Muthuprema	Civil Engineering	Standard penetration test	Mr.S.Asan Askar, Thiyagarajanagar, Tirunelveli	5 days	0.118
26	Dr. D. Brindha	Dr.S.Nagan, Dr.K.Sudalaimani Dr. D.Rajkumar Dr. K.Indrajithkrishnan	Civil Engineering	Vetting of structural design of bridges	DRDA, Ramanathapuram	15 days	16.408
27	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	A.B.Sathyasankar, BDO, Srivilliputhur	5 days	0.118
28	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Commissioner, Panchayat Union, Illayankudi	5 days	0.826
29	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Executive Officer, Vadipatti Panchayat.	5 days	0.826
30	Dr. S. Nagan	Dr. D. Brindha	Civil Engineering	Vetting of structural design	Arulmigu Periyamariamman	15 days	0.201

					Koil, Srivilliputtur		
31	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Executive Officer, Sholavandhan Panchayat, Madurai	5 days	0.236
32	Dr. R. Indrajith Krishnan,	-	Civil Engineering	Mix Design	Exective Officer,Vadipatti	1 Month	0.295
33	Dr. R. Indrajith Krishnan,	-	Civil Engineering	Mix Design	Exective Officer, Solavanthan	1 Month	0.295
34	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Assitant Engineer, Sattur Panchayat Union, Virudhunagar	5 days	0.236
35	Dr. S. Chandran,	-	Civil Engineering	Process Design	AMR Engineering & Construction tech. Madurai.	5 days	5.900
36	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	BlockDevelopement Officer,Pudur, Tuticorin District	5 days	0.354
37	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	GHCL Textile Limited, Paravai, Madurai	5 days	1.652
38	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	True waves Associates, Madurai	5 days	0.207
39	Dr. S. Nagan	Dr. D. Brindha	Civil Engineering	Vetting of structural design	Ces Builders Pvt Ltd, Madurai.16	10 days	2.077
40	Dr. D. Brindha	-	Civil Engineering	Tension test on TMT Bars	Rvp Builders, Madurai -09	2 days	0.236
41	Dr. D. Brindha	-	Civil Engineering	Mix design	Eo,Virudhunagar Kariapatti	1 Month	0.295
42	Dr. R. Sanjay Kumar	Ms. K.Muthuprema	Civil Engineering	Standard penetration test	Sri Muthumathi Builders, Old Kuyavarpalayam Road, Madurai	5 days	0.236
43	Dr. S. Arul Mary	-	Civil Engineering	Site Visit	Chief Engineer, PWD, Madurai	1 day	0.150
44	Dr. S. Arul Mary	-	Civil Engineering	Non-Destructive Testing	Chief Engineer, PWD, Madurai	2 days	0.460
45	Dr. R. Sanjay Kumar	Ms. K. Muthuprema	Civil Engineering	Standard penetration test	Executive Officer, Paravai Town Panchayat, Madurai	5 days	0.118
46	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard penetration test	Keezhadi Structural Engineering Consultancy, Madurai	5 days	0.118
47	Dr. S. Nagan	Dr. D. Brindha	Civil Engineering	Vetting of structural design STP	Executive Engineer, Madurai-20	15 days	0.590
						Amount received (Rs.)	**Rs.38.695 Lacs**
CAYm2(2022-23)							
1	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Sri Ahobila Mutt,Srirangam.	5 days	0.200
2	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Mrs. Vasugi Deivendran, Melur.	5 days	0.100
3	Dr. R.Sanjay Kumar	Dr. R.Sankaranar	Civil Engineering	Standard Penetration test	S.Arul Anbarasu, Madurai.	5 days	0.100

		ayanan					
4	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	0.100
5	Dr. D. Brindha	Dr. A Rajasekar	Civil Engineering	Vetting of structural design	HRCE, Madurai	10 days	1.000
6	Dr. D. Brindha	Dr. A Rajasekar	Civil Engineering	Mix design	TNUHDB, Trichy	1 Month	0.300
7	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Sri Muthumathi Builders, Madurai.	5 days	0.100
8	Dr. S Nagan	Dr.D.Brindha, Dr.A.Rajasekar	Civil Engineering	Vetting of structural design	HRCE, Madurai	15 days	1.500
9	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	0.100
10	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	0.300
11	Dr. S. Nagan	Dr. D.Brindha, Dr. A.Rajasekar	Civil Engineering	Vetting of structural design	HRCE, Madurai	1 Week	0.500
12	Dr. S.Arul Mary	Dr. A Rajasekar	Civil Engineering	Site visit for NDT	DRDA, MADURAI	2 Days	0.050
13	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Thiagarajar Mills, Madurai.	5 days	0.300
14	Dr. S.Nagan	Dr. D. Brindha	Civil Engineering	Site Visit	PWD, Madurai	2 days	0.050
15	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	0.300
16	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Post-civil sub division, Madurai	5 days	0.300
17	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Block Development Officer, Narikudi	5 days	0.200
18	Dr. A.Rajasekar	Dr. D.Rajkumar	Civil Engineering	Mix design	HRCE, Madurai	1 Month	0.600
19	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	True waves Associates madurai	5 days	0.130
20	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Vasuki, BDO, Madurai	5 days	0.300
21	Dr. S.Arul Mary	-	Civil Engineering	Site Inspection	EE, TUHDCO, Madurai	1 Day	0.080
22	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Assistant Engineer post-civil sub division	5 days	0.300
23	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	1.200
24	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	HRCE, Madurai	5 days	2.000
25	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Sadasivam,Madurai kamaraj university.	5 days	0.300

26	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration test	Alagumalai, Mangalrevu.	5 days	0.200
Amount received (Rs.)							**Rs.10.61 Lacs**
CAYm3(2021-22)							
1	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.600
2	Dr. T.Vel Rajan	Dr. S. Chandran Dr. V. Ravi Sankar	Civil Engineering	STP Design	Shreyans Foundation, Chennai	10 days	0.500
3	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	PKN Vidhyasala, Tirumangalam.	5 days	0.300
4	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	GHCL Limited, Paravai, Madurai.	5 days	2.000
5	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.200
6	Dr. S. Arul Mary	-	Civil Engineering	Non-Destructive Testing	Pee Yes Yem Hyundai, Madurai	2 days	0.694
7	Dr. D. Brindha	Dr. A. Rajasekar	Civil Engineering	Vetting of structural design	TANGEDCO, Madurai.	15 days	1.300
8	Dr. S.Arul Mary	-	Civil Engineering	Site Visit for NDT	JK Fenner India Ltd. Madurai.	2 Days	0.050
9	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.200
10	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Southern Railways, Madurai.	5 days	0.360
11	Dr. S. Arul Mary	-	Civil Engineering	Sieve Analysis on Sand	EE, TUHDCO, Madurai	2 days	0.200
12	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.300
13	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	P.Valliappan, Madurai.	5 days	0.400
14	Dr. D. Brindha	Dr. A. Rajasekar	Civil Engineering	Air spring compression test	TVS Airsprings	2 days	0.100
15	Dr. D. Brindha	Dr. A. Rajasekar	Civil Engineering	Air spring compression test	TVS Airsprings	2 days	0.250
16	Dr. R. Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Southern Railways, Madurai.	5 days	0.180
17	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	CPWD, Central Exercise Quarters Campus.	5 days	0.200
18	Dr. D. Brindha	Dr.A.Rajasekar	Civil Engineering	Mix design	Public Works Department, Madurai.	1 Month	0.600
19	Dr. S. Arul Mary	Dr. D.Rajkumar	Civil Engineering	Mix design	Mr. K.Narayanan, Contractor, Madurai.	1 Month	0.300
20	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Madurai Corporation	5 days	0.400
21	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Madurai Corporation	5 days	0.800

22	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Prabu Builders and Architects, Madurai.	5 days	0.100
23	Dr. S.Arul Mary	Dr. D.Rajkumar	Civil Engineering	Site Visit for NDT	Aravind Krishna hospital pvt ltd , Tirunelveli	2 days	0.050
24	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Er. B.Regupathi, Madurai.	5 days	0.100
25	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.200
26	Dr. S.Arul Mary	Dr. D.Rajkumar	Civil Engineering	Non-Destructive Testing	Aravind Krishna hospital pvt ltd , Tirunelveli	2 days	1.700
27	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Vadipatti Town Panchayat, Madurai.	2days	0.100
28	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Panchayat Union, T.Kalluppatti	5 days	0.100
29	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Panchayat union, Thirupparankundram.	5 days	0.100
30	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Er. C.Karthikeyan, Alagappan Nagar, Madurai.	5 days	0.100
31	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	VTM Limited, Sulakarai,Virudhunagar.	5 days	0.200
32	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.200
33	Dr. S. Arul Mary	-	Civil Engineering	Non-Destructive Testing	Union office, Madurai west	2 days	0.750
34	Dr. D. Brindha	Dr. A.Rajasekar	Civil Engineering	Vetting of structural design	HRCE, Madurai	15 days	0.500
35	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.400
36	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Thiagarajar Mills, Kappalur, Madurai.	5 days	0.100
37	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Thiagarajar Mills, Nilakkottai.	5 days	0.200
38	Dr. R.Sanjay Kumar	Dr. R.Sankaranarayanan	Civil Engineering	Standard Penetration Test	Panchayat union, Thirupparankundram, Madurai.	5 days	0.300
39	Dr. R.Sanjay Kumar	-	Civil Engineering	Standard Penetration Test	HRCE, Madurai	5 days	0.100
						Amount received (Rs.)	**Rs.15.234 Lacs**
						Total amount (Lacs) received for the past 3 years	**Rs.64.539 Lacs**

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

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

S.N.	Faculty name	Project title/ Support for Activity	Duration	Amount (Lacs)	Amount Utilized	Outcomes of the project

					(Lacs)	
CAYm1						
1	Dr. D. Brindha	Geo-polymer- based projects	One year	0.4	0.357	Publication of research papers in conferences and journals
2	Dr.T.Vel Rajan & Dr.S.Chandran	For lab and Research work	One year	1.4	1.312	Publication of research papers in conferences and journals & Academic purpose
Amount received (Rs.) 1.669						
CAYm2						
1	Dr.T.Vel Rajan & Dr.S.Chandran	For lab and Research work	One year	1.0	0.850	Publication of research papers in conferences and journals & Academic purpose
2	Dr. D. Brindha	For student projects and Research work	One year	1.0	0.850	Publication of research papers in conferences and journals
Amount received (Rs.)					**1.700**	
CAYm3						
1	Dr. D. Brindha	Geo-polymer and ultra-high strength concrete based projects	One year	0.3	0.207	Publication of research papers in conferences and journals
2	Dr.T.Vel Rajan & Dr.S.Chandran	For lab and Research work	One year	0.3	0.286	Publication of research papers in conferences and journals
3	Dr. S. Arul Mary	For lab and Research work	One year	0.2	0.17	Publication of research papers in conferences and journals
4	Dr. R. Sanjay Kumar	For lab and Academic work	One year	0.3	0.22	Publication of research papers in conferences and journals
Amount received (Rs.)					**0.883**	
Total amount (Lacs) received for the past 3 years					**Rs.4.252 Lacs**	

Internal Research Grant

List of laboratories received internal research grant from the institution

S.No	Name of Equipment	Number of Equipment	Cost of Equipment Rs.	Outcomes of the project
Materials Testing Laboratory				
1.	Creep Testing Machine	01	3,25,381/-	Research work/ PG Project work
2.	Brinell & Rockwell tester Machine	01	75,929/-	UG Lab
3.	Data Acquisition System with LVDT and load cell	01	5,67,580/-	Project work/ Research work
4.	Steam curing Chamber	01	3,24,500/-	Ph.d Research work/Consultancy
5.	Hot Air Oven	01	64,013/-	UG&PG Lab/Research /consultancy

6.	Carbonation Chamber	01	8,67,300/-	UG&PG Lab/Research /consultancy
7.	Aggregate impact testing machine	02	35,288/-	UG&PG Lab/Research /consultancy
8.	Bend Re Bend Attachment for 1000kn UTM	01	1,98,240/-	UG&PG Lab/Research work /consultancy
9.	Structural Engineering Models	15	4,19,920/-	UG Lab
10.	Wheel Barrow	02	32,096/-	UG/PG Lab/Consultancy
11.	Table vibrator	01	83,489/-	UG&PG Lab/Research work /consultancy
12.	Torsion testing Lab	01	1,72,044/-	UG&PG Lab work
Structural Engineering Laboratory				
13.	Concrete Core cutting Machine	01	3,50,454/-	Research work /consultancy
14.	Resipad-Surface Resistivity of Concrete	01	3,45,150/-	Research work /consultancy
15.	Profometer-Corrosion meter& upgradation of Rebar Locator	01	9,74,090/-	Research work /consultancy
16.	Data Acquisition system	01	4,72,000/-	Research work /consultancy
17.	Universal type Load cell	01	56,050/-	Research work /consultancy
18.	Hydraulic actuator	01	34,73,819/-	Research work /consultancy
Computer Laboratory				
18.	Desktop computers with accessories	18	11,53,199/-	UG&PG Lab work/Research work
19.	LCD Projectors	03	1,49,410/-	Class work/lab work
Survey Laboratory				
20.	Total station (LTS 4nodes)	02	4,80,000/-	UG&PG Lab work/Research work
Hydraulics Laboratory				
21.	Kaplan Turbine	01	3,15,943/-	UG Lab work
22.	Orifice meter	01	60,180/-	UG Lab work
23.	Centrifugal pump	01	69,195/-	UG Lab work
Soil Laboratory				
24.	Deep Resistivity meter with accessories	01	4,42,854/-	UG Lab work/consultancy
25.	Relative Density apparatus	01	1,75,633/-	UG Lab work/consultancy
26.	Laboratory Hot Air Oven	01	93,806/-	UG Lab work/consultancy
27.	Motorized sieve shaker	01	59,116/-	UG Lab work/consultancy
Environmental Engineering Laboratory				
28.	Shimadzu UV-VIS-Spectrometer	01	5,13,300/-	Research work
29.	Flame photometer	01	81,290/-	Research work/consultancy
30.	Technico make Fumehood	01	1,86,367/-	Research work
31.	Riviera Distillation unit	01	77,160/-	Research work/ lab work/consultancy

32.	Respirable DVST Sampler & Fine particle sampler	01	2,32,395/-	Research work/ lab work/consultancy
33.	SKID Resistance Tester	01	89,019/-	Research work/ lab work/consultancy
34.	Potable water quality analyser	01	2,89,905/-	Research work/ lab work/consultancy
Traffic Engineering Laboratory				
35.	Bengalman beam with digital dial gauge	01	40,692/-	Research work
36.	Modified Roughness indicating machine	01	25,678/-	Research work
37.	CBR Testing machine (Field test)	01	65,622/-	UG&PG Lab work
Total amount under CSR Scheme			**Rs. 1.34 Crores**	

PART-D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department).

D1: Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Materials Testing Lab	3	• Universal testing machine – 1000 kN capacity (with data logger) • Universal testing machine – 500 kN capacity • Compression testing machine – microprocessor controlled -3000 kN • Compression testing machine – 2000 kN capacity(digital) • Rapid chloride ion penetration test apparatus • Flow table apparatus – (concrete and mortar) • Heat of hydration apparatus • Automatic Blaine's air permeability apparatus • High temperature furnace-1100 °C • Cement autoclave	22hrs	1. K.Rajappa J Murugan	Artisan Grade II Lab technician	ITI welder BE

			• Vickers's hardness testing machine • Rockwell hardness testing machine • Brinell hardness testing machine • Concrete permeability testing apparatus • Spring testing machine • Torsion testing machine- digital • Tiles abrasion testing machine • Impact testing machine • Fatigue testing machine • Concrete mixer machine • Mortar Mixer • Length comparator • Mortar mixer-20 liters & 5 liters capacity • Ball mill -5 kg capacity • Accelerated curing tank Electrochemical Work Station for Corrosion Analysis				
2.	Soil and Roads Lab	3	• Universal Automatic Soil Compactor (for Standard and Modified Proctor Tests) • California Bearing Ratio Test Apparatus • Aggregate Impact Testing Machine • Los Angeles Abrasion Testing Machine • Casagrande's Liquid Limit Device (Motorized) • Shrinkage Limit Test Apparatus • Soil Penetrometer • Sand Pouring Cylinder Apparatus • Set of Sieves, Sieve Shaker (Motorized) and Hydrometer • Air Oven	22hrs	1. K.Ramaraj 2.T.Helan Rajadeepa	Lab Technician Lab Technician	BE BE
3.	Hydraulics Lab	3	• Bernoulli's theorem apparatus • Venturimeter apparatus • Orificemeter apparatus • Reynolds apparatus • Flow through Notches	22hrs	1. A. MuthuRaj 2. M Durai pandi	Artisian Grade I	ITI

			• Pipe losses-major and minor losses • Impact of jet on vanes • Pelton wheel turbine • Francis turbine • Centrifugal pump • Reciprocating pump • Submersible pump				
4.	Environmental Engineering Lab	3	• Inductively Coupled Plasma – Optical Emission Spectrometer (ICP-OES). • Gas chromatography (GC)- RFID • High Performance Liquid Chromatography (HPLC) • UV-VIS Spectrophotometer • Atomic Absorption Spectrophotometer (AAS) • Flame Photometer • Nitrogen Analyzer • High Volume Air Samplers • Fine dust sampler • Portable Water Quality Analyzer • Bomb Calorimeter • Indoor Air quality meter • Laminar Air Flow System • Noise level meter Licensed Software • DHI – MIKE HYDRO RIVER, MIKE SHE, MIKE ECOLAB • Bentley - WATER GEMS, SEWER GEMS, HAMMER,CivilStorm, PondPack, CulvertMaster, FlowMaster. **Hardware** • Desktop Systems- 8 Nos • Work Station – 1 No • Printer- 2 Nos • Scanner- 2 Nos	30hrs	A.Raja	Lab Technician	M.sc Chemistry
5.	Computer Lab	3	**Hardware**	22 HRS	1.S.Saravanan	Lab Technician	MBA, B.E

			• HP 280 G8 MT Core-i5 Systems (15 Nos.) • HP 280 G6 MT Core-i5 Systems (18 Nos.) • HP 280 G4 MT Core-i5 Systems (11 Nos.) • HP 1020 Laser Jet Printer (1 No.) • Numeric 6 KVA UPS (1 No.) Epson Projector (2 Nos.) **Software** **Bentley BIM software:** • STAAD Pro Connect Edition – (Foundation, RCDC, RAM Connection) • Open Building Designer - OBD Connect Edition • Synchro 4D - Connect Edition • MIDAS Civil - Bridges Classroom Software • Autodesk products (AutoCAD, Revit) • Primavera P6 Management Software Version 16.2- Academic License • Primavera Risk Analysis Management Software Version 8.6 - Academic License • PTV Vissim & Vissum Software. • STRUDS Ver 12.0 Standard • STRUDS Ver 12.0 Advanced		2.J.Sathyakeerthika	Lab Technician	DCE
6.	Survey Lab	3	• Auto level • Laser Distance meter • Standard Vernier Theodolite • Laser Theodolite • Substance bar • GPS Total station	12 hrs	M.G.P.Raja	Mazdoor Grade II	ITI

D2: `Safety Measures in Laboratories

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

S.N.	Name of the Laboratory	Safety measures
1.	Materials Testing Lab	**Personal Protective Equipment (PPE)** 1. Safety Glasses: safety glasses or goggles to protect eyes from flying particles or chemical splashes. 2. Gloves: Wear gloves to prevent skin contact with hazardous materials or sharp objects. 3. Students are instructed to use safety shoes **Laboratory Safety** 1. Proper Ventilation: Ensure proper ventilation in the laboratory to prevent inhalation of hazardous fumes. 2. Fire Safety: Ensure that fire extinguishers are easily accessible and that personnel know how to use them. Equipped with Fire Extinguisher (1 no) 3. Electrical Safety: Ensure that electrical equipment is properly installed, maintained, and used. Provided with ELCB Miniature circuit breaker, Bus bar 4. Chemical Safety: Ensure that chemicals are properly stored, handled, and disposed off **Waste Disposal** 1. Proper Disposal: Ensure that concrete waste is properly disposed of according to regulatory requirements. 2. Waste Segregation: Segregate waste into different categories for proper disposal. **Emergency Preparedness** 1. First Aid Kit: Ensure that a first aid kit is easily accessible and that personnel know how to use it. First Aid Box (1 no) is kept in the lab 2. Fire Evacuation Plan: Develop and maintain a fire evacuation plan that outlines procedures for evacuating the laboratory in case of a fire.
2.	Soil and Roads Lab	**Specific Safety Measures for Soil and Roads Lab** 1. Soil Compaction: Ensured that personnel are aware of the risks associated with soil compaction, such as vibration and noise. 2. Aggregate Handling: Ensured that personnel handle aggregates (e.g., sand, gravel) safely, as they can be heavy and cause injury. 3. Asphalt Handling: Ensured that personnel handle asphalt

		safely, as it can be hot and cause burns. 4. Triaxial Testing: Ensured that personnel are aware of the risks associated with triaxial testing, such as high pressure and confined spaces. **Personal Protective Equipment (PPE)** 1. Safety Glasses: safety glasses or goggles to protect eyes from flying particles or chemical splashes. 2. Gloves: Wear gloves to prevent skin contact with hazardous materials or sharp objects. 3. Students are instructed to use safety shoes **Laboratory Safety** 1. Proper Ventilation: Ensure proper ventilation in the laboratory to prevent inhalation of hazardous fumes. 2. Fire Safety: Ensure that fire extinguishers are easily accessible and that personnel know how to use them. Equipped with Fire Extinguisher (1 no) 3. Electrical Safety: Ensure that electrical equipment is properly installed, maintained, and used. Provided with ELCB Miniature circuit breaker, Bus bar 4. Chemical Safety: Ensure that chemicals are properly stored, handled, and disposed off **Waste Disposal** 1. Proper Disposal: Ensure that concrete waste is properly disposed of according to regulatory requirements. 2. Waste Segregation: Segregate waste into different categories for proper disposal. **Emergency Preparedness** 1. First Aid Kit: Ensure that a first aid kit is easily accessible and that personnel know how to use it. First Aid Box (1 no) is kept in the lab 2. Fire Evacuation Plan: Develop and maintain a fire evacuation plan that outlines procedures for evacuating the laboratory in case of a fire.
3.	Environmental Engineering Lab	**Personal Protective Equipment (PPE)** 1. Safety Glasses: safety glasses or goggles to protect eyes from flying particles or chemical splashes. 2. Gloves: Wear gloves to prevent skin contact with hazardous materials or sharp objects. 3. Students are instructed to use safety shoes **Laboratory Safety** 1. Proper Ventilation: Ensure proper ventilation in the

		laboratory to prevent inhalation of hazardous fumes. 2. Fire Safety: Ensure that fire extinguishers are easily accessible and that personnel know how to use them. Equipped with Fire Extinguisher (1 no) 3. Electrical Safety: Ensure that electrical equipment is properly installed, maintained, and used. Provided with ELCB Miniature circuit breaker, Bus bar 4. Chemical Safety: Ensure that chemicals are properly stored, handled, and disposed off **Waste Disposal** 1. Proper Disposal: Ensure that waste is properly disposed of according to regulatory requirements. 2. Waste Segregation: Segregate waste into different categories for proper disposal. **Emergency Preparedness** 1. First Aid Kit: Ensure that a first aid kit is easily accessible and that personnel know how to use it. First Aid Box (1 no) is kept in the lab. 2. Fire Evacuation Plan: Develop and maintain a fire evacuation Plan that outlines procedures for evacuating the laboratory in case of a fire.
4.	Hydraulics lab	**Specific Safety Measures for Soil and Roads Lab** 1. Soil Compaction: Ensured that personnel are aware of the risks associated with soil compaction, such as vibration and noise. 2. Aggregate Handling: Ensured that personnel handle aggregates (e.g., sand, gravel) safely, as they can be heavy and cause injury. 3. Asphalt Handling: Ensured that personnel handle asphalt safely, as it can be hot and cause burns. 4. Triaxial Testing: Ensured that personnel are aware of the risks associated with triaxial testing, such as high pressure and confined spaces. **Personal Protective Equipment (PPE)** 1. Safety Glasses: safety glasses or goggles to protect eyes from flying particles or chemical splashes. 2. Gloves: Wear gloves to prevent skin contact with hazardous materials or sharp objects. 3. Students are instructed to use safety shoes **Laboratory Safety** 1. Proper Ventilation: Ensure proper ventilation in the

		laboratory to prevent inhalation of hazardous fumes. 2. Fire Safety: Ensure that fire extinguishers are easily accessible and that personnel know how to use them. Equipped with Fire Extinguisher (1 no) 3. Electrical Safety: Ensure that electrical equipment is properly installed, maintained, and used. Provided with ELCB Miniature circuit breaker, Bus bar 4. Chemical Safety: Ensure that chemicals are properly stored, handled, and disposed off **Waste Disposal** 1. Proper Disposal: Ensure that waste is properly disposed of according to regulatory requirements. 2. Waste Segregation: Segregate waste into different categories for proper disposal. **Emergency Preparedness** 1. First Aid Kit: Ensure that a first aid kit is easily accessible and that personnel know how to use it. First Aid Box (1 no) is kept in the lab 2. Fire Evacuation Plan: Develop and maintain a fire evacuation plan that outlines procedures for evacuating the laboratory in case of a fire.
5.	Computer Lab	**Electrical Safety** 1. Proper Wiring: Ensured that all electrical wiring is properly installed and maintained. 2. Surge Protectors: Used surge protectors to protect equipment from power surges. 3. Grounding: Ensured that all equipment is properly grounded. **Fire Safety** 1. Fire Extinguishers: Ensured that fire extinguishers are easily accessible and that personnel know how to use them. 2. Flammable Materials: Kept flammable materials, such as paper and plastics, away from heat sources. 3. Electrical Equipment: Ensured that electrical equipment is not overloaded and is turned off when not in use. **Ergonomic Safety** 1. Proper Seating: Ensured that personnel have proper seating and ergonomic workstations. 2. Monitor Height: Ensure that monitors are at a comfortable height to prevent eye strain.

		3. Keyboard and Mouse: Ensure that keyboards and mice are positioned to prevent repetitive strain injuries. **Eye Safety** 1. Proper Lighting: Ensured that the laboratory is properly lit to prevent eye strain. 2. Screen Savers: Use screen savers to prevent eye strain from prolonged screen time. **Data Safety** 1. Backup Systems: Ensured that all data is backed up regularly. 2. Antivirus Software: Used antivirus software to protect against malware and viruses. 3. Access Control: Implement access control measures to prevent unauthorized access to data. **Physical Safety** 1. Tripping Hazards: Ensured that the laboratory is free from tripping hazards, such as cords and cables. 2. Equipment Safety: Ensured that equipment is properly installed and maintained to prevent injury. 3. Emergency Procedures: Developed and implemented emergency procedures, such as evacuation plans and first aid kits.
6.	Survey Lab	**Survey Instrument Safety** 1. Proper Handling: Handled survey instruments with care to prevent damage or injury. 2. Regular Calibration: Regularly calibrated survey instruments to ensure accuracy. **3.** Safety Precautions: Followed safety precautions when using survey instruments

D3: Project Laboratory/Research Laboratory

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

S.N.	Name of the Laboratory
1.	Project Lab I
2.	Environmental Engineering Laboratory (Research Lab)
3.	Building Information & Modelling [BIM] Lab (Centre of Excellence)

PART E: Fist Year faculty and financial Resources.

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

E1: First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) +(NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1*0.8)+ (NS2*0.2))/RF4
CAY	1089	54	52	54	((52 * 0.8) + (54 * 0.2)) / 54 = 97.03
CAYm1	1029	51	46	51	((46 * 0.8) + (51 * 0.2)) / 51 = 92.15
CAYm2	885	44	35	39	((35 * 0.8) + (39 * 0.2)) / 44 = 81.36

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level

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

Items	Budgeted in CFY (2024-25)	Actual expenses in CFY (till Feb 25)	Budgeted in CFYm1 (2023-24)	Actual Expenses in CFYm1 (2023-24)	Budgeted in CFYm2 (2022-23)	Actual Expenses in CFYm2 (2022-23)	Budgeted in CFYm3 (2021-22)	Actual Expenses in CFYm3 (2021-22)
Infrastructure Built-Up	37500000	34087015	20000000	19961745	11440000	23641439	6720000	1811376
Library	4512000	4749428	2170000	3728829	1700000	2808000	1882000	2431000
Laboratory equipment	12900000	30290176	9550000	34428169	34000000	45247125	29100000	22275277
Teaching and non-teaching staff salary	500000000	454846927	480000000	453029717	420000000	398383720	450000000	449856429
Outreach Programs	8500000	7288143	7500000	6634433	5000000	4826847	2500000	2297232
R&D	50000000	45340242	55000000	54769766	23500000	16812466	17500000	16767576
Training, Placement and Industry linkage	4000000	3440664	10000000	9865322	4500000	4358414	3000000	2935137
SDGs	22500000	20356702	18000000	18800686	13500000	14119133	12000000	11762580
Entrepreneurship	1500000	1026882	2500000	2510922	2200000	1302856	500000	303146
Others*, pl. specify	45000000	43725577	35000000	37344337	45000000	48437295	20000000	18136928
Total amount	**686412000**	**645151756**	**639720000**	**641073926**	**560840000**	**559937295**	**543202000**	**528576681**

E3: Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in CFY**	**Actual expenses in CFY (till ...)**	**Budgeted in CFY*m*1**	**Actual Expenses in CFY*m*1**	**Budgeted in CFY*m*2**	**Actual Expenses in CFY*m*2**	**Budgeted in CFY*m*3**	**Actual Expenses in CFY*m*3**
Laboratory equipment	500000	359871	500000	518625	2500000	2537365	1500000	1339799
Software	2000000	2026714	1500000	1144589	1500000	1499760	2000000	2302065
SDGs	2000000	2125467	2000000	2082687	1500000	1642352	1500000	1404975
Support for faculty development	500000	96405	500000	272590	200000	285561	200000	128245
R & D	500000	495893	500000	416369	300000	326629	300000	290369
Industrial Training, Industry expert, Internship	2000000	1120207	2000000	1827796	1000000	1068439	1000000	624977
Miscellaneous expenses *	4500000	4565439	5000000	4136900	5000000	5634275	2000000	2166355
Total amount	**12000000**	**10789996**	**12000000**	**10399556**	**12000000**	**12994381**	**8500000**	**8256785**