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**: 1
Application No: 11321	**Date of Submission**: 23-12-2025

PART A- Profile of the Institute

A1.Name of the Institute: SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE,BHIMAVARAM,ANDHRA PRADESH	
Year of Establishment : 1980,1992	Location of the Institute: SRKR Marg China Amiram
A2. Institute Address:BHIMAVARAM,ANDHRA PRADESH	
City:--Select--	State:Andhra Pradesh
Pin Code:534204	Website:www.srkrec.ac.in
Email:PRINCIPAL@SRKREC.AC.IN	Phone No(with STD Code):08816-223332
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Jawaharlal Nehru Technological University, Kakinad	City: east Godavari
State : Andhra Pradesh	Pin Code: 533003
A4. Type of the Institution: Autonomous CAY(2016-17)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **12**
- No. of PG programs: **6**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Information Technology
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Computer Science and Engineering
3	Engineering & Technology	PG	CAD/CAM	2003	--	Mechanical Engineering
4	Engineering & Technology	UG	Civil Engineering	1980	--	Civil Engineering
5	Engineering & Technology	PG	Communication Systems	2006	--	Electronics and Communication Engineering
6	Engineering & Technology	UG	Computer Science & Information Technology	2023	--	Information Technology
7	Engineering & Technology	PG	Computer Science & Technology	2006	--	Computer Science and Engineering
8	Engineering & Technology	UG	Computer Science and Business System	2020	--	Information Technology

9	Engineering & Technology	UG	Computer Science and Design	2021	--	Computer Science and Engineering
10	Engineering & Technology	UG	Computer Science and Engineering	1991	--	Computer Science and Engineering
11	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	2022	--	Computer Science and Engineering
12	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	1980	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
15	Engineering & Technology	PG	Information Technology	2006	--	Information Technology
16	Engineering & Technology	UG	Mechanical Engineering	1980	--	Mechanical Engineering
17	Engineering & Technology	PG	Power Systems & Automation Engineering	2010	--	Electrical and Electronics Engineering
18	Engineering & Technology	PG	Structural Engineering	2009	--	Civil Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Electrical and Electronics Engineering	No	Electrical & Electronics Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG
Civil Engineering	No	Civil Engineering	UG
Electronics and Communication Engineering	No	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:

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITE
1	Civil Engineering	UG	1980 / --	240	Yes	2024	120	2024	South-Central/1-43655977681/2024/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	4

Sanctioned Intake for Last Five Years for the Structural Engineering	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	120
2023-24	180
2022-23	180
2021-22	240
2020-21	240

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.Gottumukkala Sri Bala
B. Nature of appointment:	Regular
C. Qualification:	M.Tech and Ph.D.

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	120	120	180	180	240	240	240
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	120	116	157	135	176	222	226
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	37	38	40	46	31
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	12	8	18	15	24	13	0

Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	132	143	212	188	240	281	257

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)	120	120	12	110.00
2024-25 (CAYm1)	120	116	8	103.33
2023-24 (CAYm2)	180	157	18	97.22

Average [(ER1 + ER2 + ER3) / 3] = 103.52≡ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	280.00	286.00	271.00
B=No. of students who graduated from the program in the stipulated course duration	160.00	209.00	194.00
Success Rate (SR)= (B/A) * 100	57.14	73.08	71.59

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 67.27

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.64	7.56	8.17
Y=Total no. of successful students	119.00	162.00	150.00
Z=Total no. of students appeared in the examination	116.00	157.00	173.00
API [X*(Y/Z)]	7.84	7.80	7.08

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

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.71	7.53	7.96
Y=Total no. of successful students	192.00	188.00	235.00
Z=Total no. of students appeared in the examination	199.00	188.00	240.00
API [X * (Y/Z)]	7.44	7.53	7.79

Average API [(AP1 + AP2 + AP3)/3] : 7.59

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.72	7.71	7.88
Y=Total no. of successful students	178.00	223.00	272.00
Z=Total no. of students appeared in the examination	188.00	235.00	281.00
API [X*(Y/Z)]:	7.31	7.32	7.63

Average API [(AP1 + AP2 + AP3)/3] : 7.42

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	280.00	286.00	271.00
X=No. of students placed	97.00	100.00	118.00
Y=No. of students admitted to higher studies	10.00	10.00	15.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	38.21	38.46	49.08

Average Placement Index = (P_1 + P_2 + P_3)/3: 41.92 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.Gottumukkala Sri Bala	XXXXXXX24C	M.Tech and Ph.D.	Andhra University	Environmental Engineering	07/07/2009	16.5	Assistant Professor	Associate Professor	22/12/2025	Regular	Yes		Yes
2	Dr.Atmakuri Chandra Sekhara Vara Prasad	XXXXXXX98J	M.Tech and Ph.D.	Andhra University	Geotechnical Engineering	17/07/2006	19.4	Assistant Professor	Professor	02/05/2022	Regular	Yes		No
3	Dr.Surampudi Khaga Venkata Satya Thrimurty Lava Ku	XXXXXXX59J	M.E. and Ph.D.	Andhra University	Structural Engineering	01/08/2006	19.4	Assistant Professor	Associate Professor	03/01/2022	Regular	Yes		No
4	Dr.Guthurthi Sasikala	XXXXXXX30C	M.E. and Ph.D.	Andhra University	Structural Engineering	01/02/2008	17.10	Assistant Professor	Assistant Professor		Regular	Yes		No

5	Dr.Pedada Venkata Rambabu	XXXXXXX48A	M.E. and Ph.D.	Andhra University	Structural Engineering	17/09/2008	17.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dantuluri Prudhvi Raju	XXXXXXX91M	M.E.	Andhra University	Structural Engineering	01/10/2012	13.2	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr.Madepalli Venkata Rao	XXXXXXX81G	M.E. and Ph.D.	Annamalai University	Civil & Structural Engineering	06/08/2014	11.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Vatsavai Chanakya Varma	XXXXXXX09F	M.E.	Andhra University	Structural Engineering	06/08/2014	11.4	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Gadiraju L V Krishnam Raju	XXXXXXX70K	M.E.	Andhra University	Structural Engineering	04/01/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Neelam Lakshmi Pavan Kumar	XXXXXXX35R	M.Tech	NIT Warangal	Transportation Engineering	01/10/2015	10.2	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Kankatala Jagadeep	XXXXXXX99R	M.E.	Andhra University	Structural Engineering	02/11/2016	9.1	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr.Etukuri Ramanjaneya Raju	XXXXXXX28L	M.Tech and Ph.D.	NIT Warangal	Geotechnical Engineering	02/01/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Godavarthy Sabarish	XXXXXXX89J	M.E.	JNTU Kakinada	Structural Engineering	23/01/2016	9.11	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Merugu Suneel	XXXXXXX00D	M.Tech	JNTU Kakinada	Structural Engineering	23/01/2016	9.10	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr.Thotakura Vamsi Naga Raju	XXXXXXX37L	M.Tech and Ph.D.	NITK Surathkal	Geotechnical Engineering	02/07/2016	9.5	Assistant Professor	Associate Professor	25/08/2025	Regular	Yes		No
16	Jampana Naga Satya Suryanarayana Raju	XXXXXXX95F	M.E.	VITU	Structural Engineering	02/07/2016	9.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Penupothula Raju	XXXXXXX17P	M.Tech	NITK Surathkal	Construction technology and Management	08/08/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr.Satti Srikanth Reddy	XXXXXXX37P	M.E. and Ph.D.	Andhra University	Geotechnical Engineering	16/08/2016	9.3	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Saride Lakshmi Ganesh	XXXXXXX06E	M.Tech	JNTU Kakinada	Structural Engineering	16/12/2016	8.11	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Maddala Sri Krishna Chaitanya	XXXXXXX11Q	M.Tech	Andhra University	Structural Engineering	06/07/2015	10.5	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Nandyala Siva Kishan	XXXXXXX42N	M.Tech	BITS	Remote Sensing	07/01/2019	6.11	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Tadepalli Edukondalu	XXXXXXX38K	M.Tech	JNTU Hyderabad	Structural Engineering	01/07/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No

23	Bhupathiraju Revathi	XXXXXXX47F	M.Tech	Andhra University	Structural Engineering	24/10/2019	6.1	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Gudla Sri Satya	XXXXXXX08A	M.Tech	JNTU Kakinada	Structural Engineering	24/10/2019	6.1	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Baswani Swamiji	XXXXXXX73L	M.Tech	Andhra University	Structural Engineering	26/08/2019	4.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
26	Alluri Venkata Chaitanya Varma	XXXXXXX79A	M.Tech	NIT Warangal	Transportation Engineering	26/08/2019	4.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
27	Penmetsa Krishna Deepika	XXXXXXX83R	M.E.	Andhra University	Structural Engineering	26/08/2019	4.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
28	Sannapareddy Manohara Reddy	XXXXXXX80Q	M.Tech	Andhra University	Structural Engineering	26/08/2019	4.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
29	Vamsi KumarYarlagadda	XXXXXXX59M	M.Tech	JNTU Kakinada	Structural Engineering	26/08/2019	4.9	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
30	Bhupathi Raju Raghu Varma	XXXXXXX32Q	M.Tech	JNTU Kakinada	Structural Engineering	10/10/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Datla Karthik Phani Varma	XXXXXXX71H	M.Tech	JNTU Kakinada	Structural Engineering	10/10/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Vegesna Venkateswara Raju	XXXXXXX32G	M.E.	University of Roorkee	Hydrology	24/08/1992	32.9	Lecturer	Associate Professor	01/01/2009	Regular	No	31/05/2025	No
33	Kalidindi Padmanabha Raju	XXXXXXX54K	M.E.	Shivaji University	Environmental Engineering	02/12/1985	40	Lecturer	Associate Professor	01/09/2006	Regular	Yes		No
34	Dr.Kolli Meher Ganesh	XXXXXXX41M	M.Sc. and PhD	Andhra University	Geology	02/11/2016	9.1	Associate Professor	Professor	25/05/2019	Regular	Yes		No
35	Dr. Bhyravajjula Ramachandra Phani Kumar	XXXXXXX37B	M.Tech and Ph.D.	JNTU Kakinada	Geotechnical Engineering	14/07/2016	9.5	Professor	Professor		Regular	Yes		No
36	Dr. Alluri Subrahmanyam Raju	XXXXXXX52L	M.E. and Ph.D.	Andhra University	Public Health Engineeering	07/12/1985	40	Lecturer	Professor	01/10/2009	Regular	Yes		No
37	Vatsavayi Rama Raju	XXXXXXX60L	M.E.	University of Roorkee	Water Resource Engineering	16/11/1983	40.6	Lecturer	Professor	02/04/2001	Regular	No	31/05/2024	No
38	Dr. Penmetsa Appala Rama Krishna Raju	XXXXXXX58P	M.Sc. and PhD	Andhra University	Geology	21/06/1982	43.6	Lecturer	Professor	02/04/2001	Regular	Yes		No
39	Vemulamanda Siva Rama Raju	XXXXXXX61B	M.Tech	Anna University	Structural Engineering	27/03/2025	0.8	Professor	Professor		Regular	Yes		No
40	Dr. Kothapalli Radha Krishnam Raju	XXXXXXX57P	M.Sc. (Engineering) and PhD	Kakatiya University	Civil Engineering	06/05/2016	9.7	Professor	Professor		Regular	Yes		No

41	Dr.Konala Satya Srinivasa Surya Narayana Reddy	XXXXXXX24H	M.E. and Ph.D.	Andhra University	Environmental Engineering	22/08/2022	1.9	Professor	Professor		Regular	No	31/05/2024	No
42	Dr.Mulagala Venkata Gopala Satyanarayana Sharma	XXXXXXX26H	M.Sc. (Engineering) and PhD	Kurukshethra University	Structural Engineering	22/08/2022	1.9	Professor	Professor		Regular	No	31/05/2024	No
43	Dr.Tetala Appa Reddy	XXXXXXX17M	M.E. and Ph.D.	IIT Kharagpur	Public Health Engineeering	22/08/2022	1.9	Professor	Professor		Regular	No	31/05/2024	No
44	Dr. Mantena Jagapathi Raju	XXXXXXX65K	M.Tech and Ph.D.	Andhra University	Highway & Traffic Engineering	08/01/1983	42.11	Lecturer	Professor	02/04/2001	Regular	Yes		No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

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

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	132	198	198
UG1.C	198	198	264
UG1.D	198	264	264
UG1: Civil Engineering	**528**	**660**	**726**
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Structural Engineering	**24**	**24**	**24**
DS=Total no. of students in all UG and PG programs in the Department	552	684	750
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=** 552	**S2=** 684	**S3=** 750

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	32	32	41
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=** 32	**F2=** 32	**F3=** 41
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 17.81**	**SFR2= 22.06**	**SFR3= 18.75**
Average SFR for 3 years	**SFR= 19.54**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	14	20	27.00	20.37
2024-25(CAYm1)	13	21	34.00	15.74
2023-24(CAYm2)	12	31	37.00	16.49

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	3.00	5.00	6.00	2.00	18.00	25.00
2024-25	3.00	5.00	7.00	1.00	22.00	26.00
2023-24	4.00	8.00	8.00	1.00	25.00	32.00
Average	RF1=3.33	AF1=6.00	RF2=7.00	AF2=1.33	RF2=21.67	AF2=27.67

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	Dr. Penmetsa Appala Ramakrishnam Raju	Professor of Emeritus	S R K R Engineering College	Remote Sensing & Geographical Information Systems	56.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Penmetsa Appala Ramakrishnam Raju	Professor of Emeritus	S R K R Engineering College	Geographic information system LAB	56.00

(CAYm3)

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	16	21	13
2	No. of peer reviewed conference papers published	7	7	20
3	No. of books/book chapters published	25	3	0

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. G. Harish Kumar Varma	Dr. T. Vamsi Nagaraju, Dr. T. Rambabu, Dr. K. Chalapathi Raju and Dr. Ch. Ram badri raju	Institutional Project	Science, Technology and Innovation Driven Inland Aquaculture Hub for Bhimavaram Suburbs	Department of Science and Technology (DST)	3 Years	96.00
Dr. P. A. R. K. Raju	Dr. V. Vani Sree	Civil Engineering	Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment Solutions and Good Practices (SPRING)	Department of Biotechnology (DBT)	5 Years	146.40
						Amount received (Rs.):242.40

(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. P. A. R. K. Raju	Dr. V. Vani Sree	Civil Engineering	Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment Solutions and Good Practices (SPRING)	Department of Biotechnology (DBT)	5 Years	146.40
						Amount received (Rs.):146.40

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. P. A. R. K. Raju	Dr. V. Vani Sree	Civil Engineering	Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment Solutions and Good Practices (SPRING)	Department of Biotechnology (DBT)	5 Years	146.40
						Amount received (Rs.):146.40

Total Amount (Lacs) Received for the Past 3 Years: 535.20

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. A. C. S. V. Prasad		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	1.20
Dr. E. Ramanjaneya Raju		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	2.54
Dr. P.V. Ram Babu		Civil Engineering	Structural inspection of buidings	Private agency	1 year	0.50
Dr. T. Vamsi Naga Raju		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	2.71
M.S.K.Chaitanya		Civil Engineering	Materials testing	Private agencies	1 year	2.32
Sri M. Suneel		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.13
Sri S. Lakshmi Ganesh		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.36
Sri G. Sabarish		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.04
Dr. S.K.V.S.T.Lava Kumar		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.05
Dr. G. Sasikala		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.06
Sri M. Venkata Rao		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.04
Sri K. Jagadeep		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.28
Sri J.N.S.Suryanarayana Raju		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.49
Smt. Bh. Revathi		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.85
Smt. G. Sri Satya		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.28
Sri S. Srikanth Reddy		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	2.11
Dr. G. Sribala		Civil Engineering	Water Samples Testing	Private and Government agencies	1 year	0.89
						Amount received (Rs.):14.85

(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. A. C. S. V. Prasad		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	3.38
Sri E.Ramanjaneya Raju		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	3.25
Dr. T. Vamsi Naga Raju		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	1.34
M.S.K.Chaitanya		Civil Engineering	Quality control services, Bhimavaram Muncipality	Bhimavaram Muncipality	1 year	6.02
N.L.Pavan Kumar		Civil Engineering	Quality control services, Bhimavaram Muncipality	Bhimavaram Muncipality	1 year	29.63
Sri M. Suneel		Civil Engineering	Testing of materials and RCC M25 & M35 Mix Designs	Rajamahendravaram Urban Development Authority(RUDA), Rajamahendravaram	1 year	0.50
Sri S. Lakshmi Ganesh		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.16
Sri G. Sabarish		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.04
Dr. S.K.V.S.T.Lava Kumar		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.06
Smt. G. Sasikala		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.55
Sri M. Venkata Rao		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.07
Sri K. Jagadeep		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.38
Sri J.N.S.Suryanarayana Raju		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.07
Smt. Bh. Revathi		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.59
Smt. G. Sri Satya		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.32
Sri P.V. RamBabu		Civil Engineering	Structural Soundness and Designs	Private and Government agencies	1 year	1.05
Sri S. Srikanth Reddy		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	3.06
Dr. G. Sribala		Civil Engineering	Water Samples Testing	Private and Government agencies	1 year	0.71
						Amount received (Rs.):51.18

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. A. C. S. V. Prasad		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	4.27
Sri E.Ramanjaneya Raju		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	5.63
Sri G. Sabarish		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.42
Dr. S.K.V.S.T.Lava Kumar		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.18
Smt. G. Sasikala		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.57
Sri M. Venkata Rao		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.53
Sri K. Jagadeep		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.20
Sri J.N.S.Suryanarayana Raju		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.02
Smt. Bh. Revathi		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.43
Smt. G. Sri Satya		Civil Engineering	Materials testing	Private and Government agencies	1 year	0.39
M.S.K.Chaitanya		Civil Engineering	Structural inspection of buidings	Private and Government agencies	1 year	4.48
M.Suneel		Civil Engineering	Structural inspection of buidings	Private and Government agencies	1 year	0.35
N.L.Pavan Kumar		Civil Engineering	Quality control services, Bhimavaram Muncipality	Bhimavaram Muncipality	1 year	3.02
P.V.Rambabu		Civil Engineering	Structural inspection of buidings	Private and Government agencies	1 year	4.56
S. Srikanth Reddy		Civil Engineering	Testing of soil samples	Private and Government agencies	1 year	1.80
S.L.Ganesh		Civil Engineering	Structural inspection of buidings	Private and Government agencies	1 year	0.87
V.Rama Raju		Civil Engineering	Structural inspection of buidings	Private and Government agencies	1 year	10.71
Dr. G. Sribala		Civil Engineering	Water Samples Testing	Private and Government agencies	1 year	0.57
						Amount received (Rs.):39.00

Total amount (Lacs) received for the past 3 years: 105.03

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.G Sribala	Integrating Deep Learning and IoT for Precision Inland Aquaculture	2 Years	2.35	1.17	Developing feed optimization system
			Amount received (Rs.): 2.35		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 2.35

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

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

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

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Strength of Materials Laboratory	36	Torsion Testing Machine, Impact Testing Machine	12 Hours	K.Suresh, D.Srinivasa R	Technician, Technician	Degree, ITI
2	Concrete Laboratory	36	Compression Testing Machine, Flexural Testing Machine, Concrete Mixer	12 Hours	D.Srinivasa Raju,K. Sur	Technician, Technician	ITI,Degree
3	Fluid Mechanics Laboratory	36	Impact of jet on vanes, Pelton wheel turbine, Franci's turbine, Kaplan turbine, centrifugal	12 Hours	Dandu.Srinivas Raju,K.	Technician,Technician	ITI,Diploma

4	Geotechnical Laboratory	36	Triaxial Shear Apparatus, Direct Shear Machine, Unconfined Compressive Strength Machine, CBR Test Machine, Variable Head	18 Hours	D.Bangar Raju,K. Padm	Junior Forman,Technicia	ITI,Diploma
5	Transportation Engineering Laboratory	36	Los Angeles Abrasion Testing Machine, Ductility Testing Machine, Flash & Fire Point Setup, Softening Point Setup	18 Hours	D Bangar Raju,P. Yugar	Junior Forman,Technicia	ITI,ITI
6	Surveying Laboratory	36	Total Station, Theodolite, Dumpy Level, Prismatic Compass, Plane Table	12 Hours	Dandu.Srinivas Raju V.	Technician,Technician	ITI,Degree
7	Environmental Engineering Laboratory	36	Water quality kit, Autoclave, pH and Conductivity meters, Jar Test Apparatus.	18 Hours	T. Rambabu,V.Sita Ram	Technician,Technician	ITI,Degree
8	Building Planning and Drawing	72	Computers with Quad-core 2.8GHz – Intel processor, 1 GB RAM, 320 GB Hard disk, DVD Disk writer, LCD Monitor, LAN Switch ,48 port switch	06 Hours	A Ravi Teja	Lab Associate	B.E in Civil Engineering
9	Remote Sensing and Geographical Information Systems	72	Computers with Quad-core 2.8GHz – Intel processor, 1 GB RAM, 320 GB Hard disk, DVD Disk writer, LCD Monitor, LAN Switch ,48 port switch	06 Hours	A Ravi Teja	Lab Associate	B.E in Civil Engineering
10	Geology Laboratory	36	Folds, Unfolded Block, Anticlinal Folds, Synclinal Folds, and Recumbent Folds.	12 Hours	K.Padma Raju, Dandu.S	Technician,Technician	Diploma,ITI
11	Tinkering Laboratory	72	Computers with Quad-core 2.8GHz – Intel processor, 1 GB RAM, 320 GB Hard disk, DVD Disk writer, LCD Monitor, LAN Switch ,48 port switch	06 Hours	V. Sita Rama Raju,A Ra	Technician,Lab Associat	Degree,B.E in Civil Engi
12	CAD Lab	72	Computers with Quad-core 2.8GHz – Intel processor, 1 GB RAM, 320 GB Hard disk, DVD Disk writer, LCD Monitor, LAN Switch ,48 port switch	09 Hours	A Ravi Teja	Lab Associate	B.E in Civil Engineering

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
2	Concrete Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
3	Fluid Mechanics Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.

4	Geotechnical Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
5	Transportation Engineering Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
6	Surveying Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
7	Environmental Engineering Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
8	Digital Learning Centre	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. CCTV cameras are installed. 5. Permission denied for pen drives. 6. Computers should be turned off properly before leaving the lab. 7. Students must remove their foot wears before entering the lab. 8. MCBs are available to control power fluctuations 9. Appropriate storage areas are given for students to keep their belongings.
9	Geology Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Appropriate storage areas are given for students to keep their belongings.
10	Structural Engineering Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed in the laboratory 4. Students are instructed to wear protective gears like coats and shoes 5. Lab technicians periodically maintain the equipment's and kept in working condition 6. Students carry out the experiments only under the supervision of the faculty members and lab technicians. 7. Appropriate storage areas are given for students to keep their belongings.
11	Smart Infrastructure Laboratory	1. Safety measures charts are displayed in the laboratory 2. All power supply lines are properly insulated and covered 3. Fire extinguisher and first aid box are placed outside the laboratory 4. Lab technicians periodically maintain the equipment's and kept in working condition 5. Appropriate storage areas are given for students to keep their belongings.

D3. Project Laboratory/Research Laboratory

S. No	Name of the Laboratory	Outcomes
1	Structural Engineering Laboratory *Research studies:* Self compacting concrete; geopolymer concrete; thermal studies; LC3 concrete; sustainable materials; durability of concrete *Research facilities:* Universal Testing Machine 1000 kN Capacity	Journal papers (Scopus/SCI): 06 Conference papers: 05
2	Centre for Clean and Sustainable Environment *Research studies:* Electrical resistivity studies; particle packing density behaviour; sustainable materials; piezo-electric sensors application; air quality monitoring *Research facilities:* Advanced LCR Meter; air quality meter	Journal papers (Scopus/SCI): 09 Conference papers: 08
3	Centre for Sustainable Inland Aquaculture *Research studies:* Water quality monitoring; IoT application *Research facilities:* IoT Water quality system; field water quality kit; Intel Galileo Zen 2	Journal papers (Scopus/SCI): 07 Conference papers: 06 Books: 02 Book Chapters: 15
4	Centre for Research in Geotechnical Engineering and Transportation Engineering *Research studies:* Durability studies on expansive clay and treated clay; swell-shrink behaviour of clays; circular economy studies promoting local waste-energy nexus; pavement performance studies *Research facilities:* 3 gang consolidometer; swell pressure test-constant volume mould; cyclic swell/ shrink apparatus; linear shrinkage; merlin cycle	Journal papers (Scopus/SCI): 08 Conference papers: 06 Books: 01 Book Chapters: 10

5	Water and Environment Laboratory *Research studies:* Water and waste water analysis; aquaculture contaminants assessment; leachate studies *Research facilities:* Atomic absorption spectroscopy; HPLC with vaccum pump+sonicator; high performance liquid chromatography (HPLC) System with PDA detector and accessories; gas chromatography; UV-VIS spectrophotometer double beam; rotary evaporator; BOD Incubator; COD digester; double distillation unit; millipore apparatus	Journal papers (Scopus/SCI): 05 Conference papers: 02

High impact factor publications:

Panda, G. P., Nagaraju, T. V., Bala, G. S., & Ganesh, S. L. (2025). Influence of Carboxylated Styrene–Butadiene Rubber on Gas Migration Resistance and Fluid Loss in Cement Slurries. *ChemEngineering*. (SCI, IF: 3.4, Q2)

Raju, P., Eregno, F. E., Calay, R. K., Raju, P. R., & Shaik, T. B. (2025). Biosorption of Iron-Contaminated Surface Waters Using Tinospora cordifolia Biomass: Insights from the Gostani Velpuru Canal, India. *Water*, *17*(20), 3020. (SCI, IF: 3.0, Q1)

Raju, E. R., Phanikumar, B. R., Raju, G. K., & Sudhir Kumar, B. (2025). A Comparative Analysis of Fly Ash and GGBS Stabilised Lateritic Soil Cushion for Enhancing Expansive Soil Subgrade Performance. *International Journal of Geosynthetics and Ground Engineering*, *11*(6), 61. (SCI, IF: 2.3, Q2)

Reddy, R. M., Thanikasalam, A., Mohanavel, V., Kumar, P. S., Varma, V. C., Kannan, S., ... & Soudagar, M. E. M. (2025). Effect of Bidirectional Fiber Incorporation on Tensile Properties and Drilling Parameter Optimization of Cellulose Bio Fibers and Glass Fiber Thermoset Composites. *Results in Engineering*, 105741. (SCI, IF: 6.0, Q1)

Thotakura, V. N., Bala, G., Prasad, C. D., Ravindran, G., & Biswal, M. (2025). Machine Learning–Informed Geomaterial Design for Embankment Construction. *Transportation Infrastructure Geotechnology*, *12*(1), 1-25. (ESCI, IF: 2.6, Q2)

Isleem, H. F., Qiong, T., Chukka, N. D. K. R., Kumar, R., Nagaraju, T. V., & Hamed, A. Y. (2025). Machine learning and nonlinear finite element analysis of fiber-reinforced polymer-confined concrete-steel double-skin tubular columns under axial compression. *Structural Concrete*, *26*(1), 248-292. (SCI, IF: 3.0, Q1)

Raut, A., Nagaraju, T. V., Maaze, M. R., Janga, S., Rathnayake, U., & Bonthu, S. (2024). Experimental and Machine Learning-Based Investigation of Cyclic Thermal Resilience of Geopolymer Concrete with Slag and Glass Powders. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, 1-21. (Scopus, IF: 1.7, Q2)

Awoyera, P. O., Effiong, J., Nagaraju, V., Haque, M. A., Mydin, M. A. O., & Onyelowe, K. (2024). Alternative construction materials: a point of view on energy reduction and indoor comfort parameters. *Discover Sustainability*, *5*(1), 1-23. (SCI, IF: 2.3, Q2)

Revathi, B., Gobinath, R., Bala, G. S., Nagaraju, T. V., & Bonthu, S. (2024). Harnessing explainable artificial intelligence (XAI) for enhanced geopolymer concrete mix optimization. *Results in Engineering*, 103036. (SCI, IF: 6.0, Q1)

Vydehi, P., Ravindran, G., Shyamala, Nagaraju, T. V., G., Bala, S., Mekala, M., & Karri, R. R. (2024). Aerobic granular sludge-based sustainable wastewater treatment: Process, bottlenecks, and knowledge gap through scientometric perspective. *Journal of Hazardous Materials Advances*, 100462. (SCI, IF: 5.4, Q1)

Gottumukkala, Sri Bala., Thotakura, V. N., Gvr, S. R., Chinta, D. P., & Park, R. (2024). Balancing aquaculture and estuarine ecosystems: machine learning-based water quality indices for effective management. *Environmental Science and Pollution Research*, 1-17 (SCI, IF: 5.9, Q1).

Dayal, A., Bonthu, S., Vamsi Nagaraju T., Saripalle, P., & Mohan, R. (2024). Deep learning for multi-horizon water level forecasting in KRS reservoir, India. *Results in Engineering*, 101828. (SCI, IF: 5.0, Q1)

Nagaraju, T. V., Malegole, S. B., Chaudhary, B., Ravindran, G., Chitturi, P., & Chinta, D. P. (2023). Novel assessment tools for inland aquaculture in the western Godavari delta region of Andhra Pradesh. *Environmental Science and Pollution Research*, 1-16. (SCIE, IF: 5.9, Q1)

Nagaraju, T. V., Bala, G. S., Bonthu, S., & Mantena, S. (2023). Modelling biochemical oxygen demand in a large inland aquaculture zone of India: Implications and insights. *Science of The Total Environment*, 167386. (SCIE, IF: 9.8, Q1)

Nagaraju, T. V., Chaudhary, B., Prasad, C. D., & Gobinath, R. (2023). Prediction of ammonia contaminants in the aquaculture ponds using soft computing coupled with wavelet analysis. *Environmental Pollution*, 121924. (SCIE, IF: 9.9, Q1)

Mohan, R., Chakrawarthi, V., Nagaraju, T. V., Avudaiappan, S., Awolusi, T. F., Roco-Videla, Á., ... & Kozlov, P. (2023). Performance of recycled Bakelite plastic waste as eco-friendly aggregate in the concrete beams. *Case Studies in Construction Materials*, e02200. (SCIE, IF: 6.2, Q1)

Schneider, G., Pásztor, D., Szabó, P., Kőrösi, L., Kishan, N. S., Raju, P. A. R. K., & Calay, R. K. (2023). Isolation and Characterisation of Electrogenic Bacteria from Mud Samples. *Microorganisms*, 11(3), 781 (SCIE, IF: 4.5, Q2)

Nagaraju, T. V., Sireesha Mantena., Gobinath R., Sridevi Bonthu., & Alisha, S. S. (2023). Geopolymer stabilized soils: Influencing factors, Strength development mechanism and Sustainability. *Journal of Taibah University for Science, Taylor and Francis* (SCIE, IF: 3.3, Q1)

Nagaraju, T. V., Bahrami, A., Prasad, C., Mantena, S., Biswal, M., & Islam, M. (2023). Predicting California Bearing Ratio of Lateritic Soils Using Hybrid Machine Learning Technique. *Buildings*, 13(1), 255. (SCIE, IF: 3.8, Q1)

Nagaraju, T. V., Mantena, S., Azab, M., Alisha, S. S., El Hachem, C., Adamu, M., & Murthy, P. S. R. (2023). Prediction of high strength ternary blended concrete containing different silica proportions using machine learning approaches. *Results in Engineering*, 17, 100973. (SCIE, IF: 5.0, Q2)

Nagaraju, T. V., Bahrami, A., Azab, M., & Naskar, S. (2023). Development of sustainable high performance geopolymer concrete and mortar using agricultural biomass-A strength performance and sustainability analysis. *Frontiers in Materials*, 10. (SCIE, IF: 3.2, Q2)

Venkata Rao, M., Sivagamasundari, R., & Vamsi Nagaraju, T. (2023). Achieving Strength and Sustainability in Ternary Blended Concrete: Leveraging Industrial and Agricultural By-Products with Controlled Nano-SiO2 Content. *Cleaner Materials*, 100198. (SCIE, IF: 9.0, Q1)

Panda, G. P., Bahrami, A., Nagaraju, T. V., & Isleem, H. F. (2023). Response of High Swelling Montmorillonite Clays with Aqueous Polymer. *Minerals*, 13, 993. (SCIE, IF: 2.5, Q2)

Nagaraju, T. V., Malegole, S. B., Chaudhary, B., & Ravindran, G. (2022). Assessment of environmental impact of aquaculture ponds in the western delta region of Andhra Pradesh. *Sustainability*, 14(20), 13035. (SCI, IF: 3.9, Q1)

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)	1860	93	87	20	79
2024-25(CAYm1)	1860	93	87	20	79
2025-26(CAY)	1860	93	84	20	77

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	140000000	77598230	150000000	146202039	90000000	79014295	75000000	67938104
Library	4000000	154305	4000000	3211149	4000000	3084585	4000000	2497758

Laboratory equipment	20000000	5902057	19200000	14479485	50000000	32309745	30000000	28359698
Teaching and non-teaching staff salary	520000000	265346910	510000000	502955822	500000000	472269762	465000000	464400355
Outreach Programs	2000000	1490762	2000000	1553420	500000	280080	100000	61507
R&D	2500000	1512200	2500000	2205217	1500000	1398318	1200000	1060302
Training, Placement and Industry linkage	33000000	14139740	32000000	30398673	37600000	34800667	39000000	37709910
SDGs	2000000	512085	3000000	2659146	2000000	1287536	1200000	1033608
Entrepreneurship	400000	195000	400000	335000	400000	392196	400000	287417
Repairs & Maintenance, University Fees ,Reg, taxes	200000000	77775096	200000000	174226563	158500000	137931882	149000000	143356145
Total	**923900000**	**444626385**	**923100000**	**878226514**	**844500000**	**762769066**	**764900000**	**746704804**

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	600000	224320	800000	150568	950000	400183	750000	183334
Software	0	0	0	0	0	0	0	0
SDGs	150000	37000	175000	137303	150000	100000	150000	142500
Support for faculty development	50000	30569	25000	13861	0	0	0	0
R & D	50000	20000	50000	50000	50000	0	50000	50000
Industrial Training, Industry expert, Internship	150000	85963	150000	86218	100000	69744	250000	231186
Maintenance & Spares	500000	302800	300000	61007	250000	212282	300000	261678
Total	**1500000**	**700652**	**1500000**	**498957**	**1500000**	**782209**	**1500000**	**868698**