

## NATIONAL BOARD OF ACCREDITATION

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

<b>Program Name</b> : Civil Engineering	<b>Discipline</b> : Engineering & Technology
<b>Level</b> : Under Graduate	<b>Tier</b> : 1
<b>Application No</b> : 10269	<b>Date of Submission</b> : 05-03-2025

### PART A- Profile of the Institute

<b>A1.Name of the Institute</b> : ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES	
Year of Establishment : 2007	Location of the Institute: Tirupati
<b>A2. Institute Address</b> :VENKATAPURAM (VILLAGE), MANGALAM ROAD, KARAKAMBADI(POST), RENIGUNTA(MANDAL),TIRUPATI-517520, CHITTOOR DIST	
City:Chittoor	State:Andhra Pradesh
Pin Code:517520	Website:www.aits-tpt.edu.in
Email:aitstpt@yahoo.com	Phone No(with STD Code):-
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : Jawaharlal Nehru Technological University Anantapu	City: Anantpur
State : Andhra Pradesh	Pin Code: 515002
<b>A4. Type of the Institution</b> : Self-Supported Institute	
<b>A5. Ownership Status</b> : Self financing	

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

- No. of UG programs: **11**
- No. of PG programs: **10**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2022	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
3	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
4	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
5	Engineering & Technology	PG	Computer Science	2012	2019	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science & Information Technology	2024	--	Computer Science and Information Technology
7	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
8	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering

9	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering
10	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2020	--	Computer Science and Engineering
11	Engineering & Technology	PG	Digital Electronics & Communication Systems	2012	--	Electronics and Communication Engineering
12	Engineering & Technology	PG	Digital Systems & Computer Electronics	2011	2019	Electronics and Communication Engineering
13	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
14	Engineering & Technology	UG	Electronics & Communication Engineering	2007	--	Electronics and Communication Engineering
15	Engineering & Technology	UG	Information Technology	2007	2013	Information Technology
16	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering
17	Engineering & Technology	PG	Power Electronics	2014	2019	Electrical and Electronics Engineering
18	Engineering & Technology	PG	Power Systems	2013	--	Electrical and Electronics Engineering
19	Engineering & Technology	PG	Production Engineering & Engineering Design	2014	--	Mechanical Engineering
20	Engineering & Technology	PG	Structural Engineering	2013	--	Civil Engineering
21	Management	PG	Masters in Business Administration	2008	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
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
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## PART-B: Program information

**B1. Provide the Required Information for the Program Applied For:**

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Civil Engineering	UG	2009 / --	60	Yes	2021	60	2021	F.No. South-Central/1-9319232700/2021/EOA	Granted accreditation for 3 years for the period (specify period)	2022	2025	1	4

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

Academic Year	Sanctioned Intake
2024-25	60
2023-24	60
2022-23	60
2021-22	120
2020-21	180
2019-20	180

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. J. Guru Jawahar
B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

#### 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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	120	180	180	180
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	23	48	49	67	143	78	88
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	6	6	12	18	18	18
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	23	54	55	79	161	96	106

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]
2024-25 (CAY)	60	0	0	38.33
2023-24 (CAYm1)	60	0	0	80.00
2022-23 (CAYm2)	60	0	0	81.67

Average [ (ER1 + ER2 + ER3) / 3 ] = 66.67≡ 11.00

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

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

Item	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	161.00	96.00	106.00
B=No. of students who graduated from the program in the stipulated course duration	137.00	78.00	64.00
Success Rate (SR)= (B/A) * 100	85.09	81.25	60.38

Average SR of three batches ((SR\_1+ SR\_2+ SR\_3)/3): 75.57

#### 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( 2023-24 )	CAYm2( 2022-23 )	CAYm3 ( 2021-22 )
Mean of CGPA or mean percentage of all successful students(X)	7.34	5.26	5.82
Y=Total no. of successful students	6.00	7.00	21.00
Z=Total no. of students appeared in the examination	6.00	7.00	21.00
API [X*(Y/Z)]	7.34	5.26	5.82

Average API[ (AP1+AP2+AP3)/3 ] : 6.14

#### 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 ( 2023-24 )	CAYm2 ( 2022-23 )	CAYm3 ( 2021-22 )
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	8.30	8.07	7.52
Y=Total no. of successful students	49.00	70.00	144.00
Z=Total no. of students appeared in the examination	50.00	72.00	148.00
API [ X * (Y/Z) ]	8.13	7.85	7.32

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.77

#### 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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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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)	8.18	7.78	7.71
Y=Total no. of successful students	66.00	143.00	79.00
Z=Total no. of students appeared in the examination	70.00	144.00	81.00
API [ $X*(Y/Z)$ ]:	7.71	7.73	7.52

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.65

### B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	198.00	198.00	198.00
X=No. of students placed	111.00	67.00	56.00
Y=No. of students admitted to higher studies	16.00	5.00	3.00
Z=Total no. of students appeared in the examination	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$ :	64.14	36.36	29.80

Average Placement Index =  $(P\_1 + P\_2 + P\_3)/3$ : 43.43 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. J. Guru Jawahar	XXXXXXXX91Q	ME/M. Tech and PhD	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	30/10/2012	12.3	Associate Professor	Professor	02/06/2014	Regular	Yes		Yes
2	Dr.K.Thulasirajan	XXXXXXXX30A	ME/M. Tech and PhD	Pondichery University	Structural Engineering	06/01/2020	5.1	Associate Professor	Associate Professor	06/01/2020	Regular	Yes		No
3	Dr. B. Sridhar	XXXXXXXX52J	ME/M. Tech and PhD	Andhra University	Remote Sensing and GIS	06/01/2022	2.5	Associate Professor	Associate Professor	06/01/2022	Regular	No	30/06/2024	No

4	Dr. A.Anil	XXXXXXX26N	ME/M. Tech and PhD	Jawaharlal Nehru Technological University Anantapuramu	Hydraulics and Water Resources Engineering	07/05/2015	9.9	Assistant Professor	Associate Professor	01/11/2024	Regular	Yes		No
5	D.Nirosha	XXXXXXX01P	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	01/12/2012	12.2	Assistant Professor	Assistant Professor		Regular	Yes		No
6	T Sai Krishna	XXXXXXX09R	M.E/M.Tech	Sri Venkateswara University Tirupati	Geotechnical Engineering	06/06/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	P Dhanabal	XXXXXXX12K	M.E/M.Tech	Anna University Chennai	Structural Engineering	06/06/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	P Narendra Reddy	XXXXXXX35Q	M.E/M.Tech	Acharya Nagarjuna University Guntur	Structural Engineering	06/06/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
9	K Sai Abhinav	XXXXXXX84J	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	28/06/2016	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	P. Harish	XXXXXXX71D	M.E/M.Tech	Sri Venkateswara University Tirupati	Geotechnical Engineering	11/01/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Shaik Sameer	XXXXXXX45C	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Transportation Engineering	21/01/2017	8	Assistant Professor	Assistant Professor		Regular	Yes		No
12	P Vishnu Priya	XXXXXXX02P	M.E/M.Tech	VIT University Chennai	Structural Engineering	06/06/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
13	M. Sri Priya	XXXXXXX19N	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	06/06/2018	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	A Kranthi Kumar	XXXXXXX02G	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	03/06/2017	6	Assistant Professor	Assistant Professor		Regular	No	30/06/2024	No

15	Pagi Harika	XXXXXXX77B	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	03/06/2017	6	Assistant Professor	Assistant Professor		Regular	No	30/06/2024	No
16	A.Kalpana	XXXXXXX30K	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	24/06/2019	5.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	V.G. Sivatheja	XXXXXXX52B	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	02/07/2018	4.11	Assistant Professor	Assistant Professor		Regular	No	30/06/2024	No
18	K.Roja	XXXXXXX72P	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	02/07/2018	3.11	Assistant Professor	Assistant Professor		Regular	No	30/06/2022	No
19	B.Rohini	XXXXXXX35C	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	02/07/2018	4.11	Assistant Professor	Assistant Professor		Regular	No	30/06/2022	No
20	P.Purushotham Reddy	XXXXXXX54R	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	04/06/2020	3.1	Assistant Professor	Assistant Professor		Regular	No	30/07/2022	No
21	B.Sravanthi	XXXXXXX16C	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	04/06/2020	4.8	Assistant Professor	Assistant Professor		Regular	No	30/07/2023	No
22	V.Sai Ragasudha	XXXXXXX46L	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	04/06/2020	4.8	Assistant Professor	Assistant Professor		Regular	No	30/07/2023	No
23	V.Surya Prakash	XXXXXXX14A	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	02/07/2018	6.7	Assistant Professor	Assistant Professor		Regular	No	30/07/2023	No

24	P. Pavani	XXXXXXX05K	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	28/01/2021	4	Assistant Professor	Assistant Professor		Regular	No	30/06/2024	No
25	K.Sumavalli	XXXXXXX20R	M.E/M.Tech	Asian Institute of Technology	Environmental Engineering	16/08/2022	1	Assistant Professor	Assistant Professor		Regular	No	30/08/2023	No
26	I.Vamsi Krishna	XXXXXXX24R	M.E/M.Tech	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	26/06/2022	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dr. A. Ranganathan	XXXXXXX55N	ME/M. Tech and PhD	Anna University	Structural Engineering	01/07/2023	0	Professor	Professor		Regular	Yes		No
28	Dr. K. Narasimhulu	XXXXXXX82G	ME/M. Tech and PhD	IITM	Structural Engineering	01/07/2022	2.7	Professor	Professor	01/07/2022	Regular	No	30/06/2023	No
29	Dr. C. Sreenivasulu	XXXXXXX89P	ME/M. Tech and PhD	Jawaharlal Nehru Technological University Anantapuramu	Structural Engineering	01/07/2022	0.11	Assistant Professor	Assistant Professor		Regular	No	30/06/2023	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(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	66	66	132
UG1.C	66	132	198
UG1.D	132	198	198

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
<b>UG1: Civil Engineering</b>	<b>264</b>	<b>396</b>	<b>528</b>
PG1.A	24	24	24
PG1.B	24	24	24
<b>PG1: Structural Engineering</b>	<b>48</b>	<b>48</b>	<b>48</b>
DS=Total no. of students in all UG and PG programs in the Department	312	444	576
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 312</b>	<b>S2= 444</b>	<b>S3= 576</b>
DF=Total no. of faculty members in the Department	15	20	25
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 15</b>	<b>F2= 20</b>	<b>F3= 25</b>
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	<b>SFR1= 20.80</b>	<b>SFR2= 22.20</b>	<b>SFR3= 23.04</b>
Average SFR for 3 years	<b>SFR= 22.01</b>		

### C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	$FQ = 2.5 \times [(10X + 4Y) / RF]$
2024-25(CAY)	3	12	15.00	13.00
2023-24(CAYm1)	4	16	22.00	11.82
2022-23(CAYm2)	5	20	28.00	11.61

### C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2024-25	1.00	2.00	3.00	1.00	10.00	12.00

2023-24	2.00	2.00	4.00	2.00	14.00	16.00
2022-23	3.00	2.00	6.00	2.00	19.00	21.00
Average	RF1=2.00	AF1=2.00	RF2=4.33	AF2=1.67	RF2=14.33	AF2=16.33

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

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	C. Prabhakar Reddy	Assistant Executive Engineer, I & CAD, Tirupati	Assistant Executive Engineer, I & CAD, Tirupati	Design & Drawing of Reinforced Concrete Structures	20.00
2	Prof. M. Srimurali	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Environmental Engineering	20.00
3	Dr. D. Neeraja	Professor, Dept. of Civil Engg, JNTU, Kalikiri	Professor, Dept. of Civil Engg, JNTU, Kalikiri	Design & Drawing of Steel Structures	20.00
4	Abhishek	Cogin Consultant	Cogin Consultant	Training and Placement	36.00
5	Konda Reddy	Cogin Consultant	Cogin Consultant	Training and Placement	54.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	C. Prabhakar Reddy	Assistant Executive Engineer, I & CAD, Tirupati	Assistant Executive Engineer, I & CAD, Tirupati	Estimation, Costing and Valuation	20.00
2	Dr. N. Munilakshmi	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Environmental Engineering	20.00
3	Prof. I.V. Ramana Reddy	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Design & Drawing of Steel Structures	20.00
4	Abhishek	Cogin Consultant	Cogin Consultant	Training and Placement	60.00
5	Siva Prasad	Cogin Consultant	Cogin Consultant	Training and Placement	36.00
6	Konda Reddy	Cogin Consultant	Cogin Consultant	Training and Placement	54.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Salomi Margaret	Assistant Executive Engineer, I & CAD, Tirupati	Assistant Executive Engineer, I & CAD, Tirupati	Surveying	20.00
2	Dr. N. Munilakshmi	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Environmental Engineering	20.00
3	Prof. I.V. Ramana Reddy	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Professor, Dept. of Civil Engg, SVUCE, SVU, Tirupati	Structural Analysis	20.00
4	G. Satyanarayanan	Cogin Consultant	Cogin Consultant	Training and Placement	54.00
5	M. Deepak	Cogin Consultant	Cogin Consultant	Training and Placement	36.00

#### C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	11	22	22
2	No. of peer reviewed conference papers published	33	2	3
3	No. of books/book chapters published	0	1	0

**C7. Sponsored Research Project**

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

(CAYm1)

(CAYm2)

(CAYm3)

**Total Amount (Lacs) Received for the Past 3 Years: NIL****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
I. Vamsi Krishna	-	Consultancy	Building Planning and Structural Design of G+1	Private Customer	10 days	0.30
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.25
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.28
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.25
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.20
I. Vamsi Krishna	-	Consultancy	Structural Design of G+3	Private Customer	10 days	0.30
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.45
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.24
Dr. J. Guru Jawahar	-	Consultancy	Test on Reinforcing Steel	Private Customer	10 days	0.05
Dr. J. Guru Jawahar	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
P. Narendra Reddy	-	Consultancy	UPV testing at site	Private Customer	10 days	0.20
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
P. Narendra Reddy	-	Consultancy	Execution and Monitoring at site	Private Customer	10 days	0.20
Dr. J. Guru Jawahar	-	Consultancy	Test on Reinforcing Steel	Private Customer	10 days	0.05
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.40
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
P. Narendra Reddy	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
A. Anil	-	Consultancy	Water Quality Testing	Private Customer	10 days	0.08
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
I. Vamsi Krishna	-	Consultancy	Structural Design of G+3	Private Customer	10 days	0.30
K. Sai Abhinav	-	Consultancy	Building Planning and Structural Design of G+3	Private Customer	10 days	0.35
P. Dhanabal	-	Consultancy	Soil testing, execution and Monitoring at site	Private Customer	10 days	0.30
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.50
P. Narendra Reddy	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
P. Narendra Reddy	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
						Amount received (Rs.):6.10

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. K. Sai Abhinav	-	Consultancy	Building Planning and Structural Design of G+1	Private Customer	10 days	0.30
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.25
K. Sai Abhinav	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.28
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.25
T. Sai Krishna	-	Consultancy	Testing of Soil samples	Private Customer	10 days	0.20
I. Vamsi Krishna	-	Consultancy	Structural Design of G+3	Private Customer	10 days	0.30
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.45
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.24
Dr. J. Guru Jawahar	-	Consultancy	Test on Reinforcing Steel	Private Customer	10 days	0.05
Dr. J. Guru Jawahar	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
K. Sai Abhinav	-	Consultancy	UPV testing at site	Private Customer	10 days	0.20
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
P. Narendra Reddy	-	Consultancy	Execution and Monitoring at site	Private Customer	10 days	0.20
Dr. J. Guru Jawahar	-	Consultancy	Test on Reinforcing Steel	Private Customer	10 days	0.05
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.40
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
K. Sai Abhinav	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
A. Anil	-	Consultancy	Water Quality Testing	Private Customer	10 days	0.08
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
I. Vamsi Krishna	-	Consultancy	Structural Design of G+3	Private Customer	10 days	0.30
K. Sai Abhinav	-	Consultancy	Building Planning and Structural Design of G+3	Private Customer	10 days	0.35
P. Dhanabal	-	Consultancy	Soil testing, execution and Monitoring at site	Private Customer	10 days	0.30
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.50
						Amount received (Rs.):5.90

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. K. Sai Abhinav	-	Consultancy	Site Supervision	Private Customer	90 days	0.35
P. Narendra Reddy	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.50
Dr. J. Guru Jawahar	-	Consultancy	Test on Reinforcing Steel	Private Customer	10 days	0.05
Dr. J. Guru Jawahar	-	Consultancy	UPV and Compressive strength of cubes	Private Customer	10 days	0.10
K. Sai Abhinav	-	Consultancy	UPV testing at site	Private Customer	10 days	0.20
A. Anil	-	Consultancy	Water Quality Testing	Private Customer	10 days	0.08
I. Vamsi Krishna	-	Consultancy	Structural Design of G+2	Private Customer	10 days	0.25
K. Sai Abhinav	-	Consultancy	Building Planning and Structural Design of G+3	Private Customer	10 days	0.35
T. Sai Krishna	-	Consultancy	Soil testing, execution and Monitoring at site	Private Customer	10 days	0.30
E. Narasimhulu	-	Consultancy	Land survey using Total station	Private Customer	10 days	0.50
						Amount received (Rs.):2.93

**Total amount (Lacs) received for the past 3 years: 14.93**

**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
A.Anil	ENVIRONMENTAL AUDIT OF AITS, TIRUPATI	12 Months	0.40	0.40	Environmental Audit has been generated
Dr.K.Thulasirajan	Investigation of Macro and Micro Level Properties of Geopolymer Concrete	6 Months	0.25	0.25	The investigation of macro and micro level properties of geopolymer concrete demonstrated
T Sai Krishna	Soil Stabilization using mineral admixtures	6 Months	0.25	0.25	Soil stabilization using mineral admixtures significantly improved
K. Varshasree	Geopolymber Bricks	6 Months	0.25	0.25	Geopolymer bricks exhibited excellent strength, durability, and eco-friendly characteristics
M Sri Priya	Rain water harvesting model	6 Months	0.25	0.25	The rainwater harvesting model effectively demonstrated
K. Sumavalli	Airpollution & Control	6 Months	0.30	0.30	The study on air pollution and its control highlighted
			Amount received (Rs.): 1.70		

(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
D.Nirosha	Investigation on Micro Level properties of fly ash blended Self Compacting Concrete	6 Months	0.20	0.20	The investigation on micro-level properties of fly ash blended self-compacting concrete revealed
Dr. J. Guru Jawahar	High strength concrete using mineral admixtures	6 Months	0.20	0.20	High strength concrete using mineral admixtures showed significant improvement
T. Sai Krishna	Stabilization of Soil using Industrial wastes	6 Months	0.30	0.30	Stabilization of soil using industrial wastes proved effective
K. Sai Abhinav	Monitoring Temperature in Concrete using sensors	6 Months	0.20	0.20	Monitoring temperature in concrete using sensors
			Amount received (Rs.): 0.90		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. J. Guru Jawahar	Investigation on Geopolymer Bricks	6 Months	0.20	0.20	The investigation on geopolymer bricks demonstrated their high compressive strength
Dr. K. Thulasirajan	Geopolymer Concrete	6 Months	0.20	0.20	Geopolymer concrete exhibited superior strength, durability, and reduced
A.Anil	Water Quality Assessment	6 Months	0.20	0.20	The water quality assessment identified key parameters affecting water safety
D. Nirosha	High strength concrete using silica fume and PEG-4000	6 Months	0.20	0.20	High strength concrete using silica fume and PEG-4000 exhibited enhanced
K. Sai Abhinav	Development of M60 M70 and M80 grade of concrete	6 Months	0.20	0.20	The development of M60, M70, and M80 grade concrete demonstrated
			Amount received (Rs.): 1.00		

Total amount (Lacs) received for the past 3 years : 3.60

## 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	Surveying Lab	30	• Total station • Automatic Level • Digital planimeter • Levelling staff 4m • Surveying umbrella •	18 Hr/ Week	Mr T. Pavan	Lab Technician	Diploma

2	Strength of materials Lab	30	<ul style="list-style-type: none"> <li>Universal Testing Machine • Brinell Hardness test attachment • Double shear attachment • Extensometer • Digital length gauge • Liquid Limit Device</li> </ul>	18 Hr/ Week	Mr E Chandrachari	Lab Technician	ITI
3	Geotechnical Engineering lab	30	<ul style="list-style-type: none"> <li>CBR Testing Apparatus • Consolidation Apparatus • Direct Shear apparatus • Shrinkage Limit set • Sensitive Volume Change device • Liquid Limit Device</li> </ul>	18 Hr/ Week	Mr.U. Surendra Babu	Lab Technician	Diploma
4	Environmental Engineering Lab	30	<ul style="list-style-type: none"> <li>Jar Test apparatus • COD extraction • Dissolved Oxygen meter • Micro controller turbidity meter • Digital conductivity meter • Digital pH</li> </ul>	18 Hr/ Week	Mr.T Pavan	Lab Technician	Diploma
5	Concrete lab	30	<ul style="list-style-type: none"> <li>Vicat apparatus • Specific gravity bottle • Soundness test (Lechatelier Mould) • Compaction test apparatus • Slump test apparatus • Vee Bee</li> </ul>	18 Hrs/ Week	Mr E Chandrachari	Lab Technician	ITI
6	Highway Engineering lab	30	<ul style="list-style-type: none"> <li>Aggregate crushing value apparatus • Aggregate impact test • Specific gravity and, water absorption test apparatus • Double Attitude test • Los</li> </ul>	18 Hrs/ Week	Mr.U. Surendra Babu	Lab Technician	Diploma
7	Engineering Geology Lab	30	<ul style="list-style-type: none"> <li>Hardness collection set of 9 minerals • Luster collection set of 10 minerals • Cleavage collection set of 10 minerals • Fracture collection set of 9 minerals</li> </ul>	18 Hrs/ Week	Mr.P.Vinodh Kumar	Lab Technician	ITI
8	CADD lab	60	Intel Core i5 7100/16GB DDR4 RAM	9 hrs/ Week	Mr.U. Surendra Babu	Lab Technician	Diploma
9	STAAD lab	60	Intel Core i3 7100/4GB DDR4 RAM	9 hrs/ Week	Mr T. Pavan	Lab Technician	Diploma
10	Fluid Mechanics & Hydraulic Machinery	30	Venturimeter, orifice meter, pipe friction, hydraulic machines	18 Hrs/ Week	Mr. S. Pradeep	Lab Technician	ITI

## D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Surveying Lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
2	Strength of materials Lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
3	Geotechnical Engineering lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
4	Environmental Engineering Lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments

5	Concrete lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
6	Highway Engineering lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
7	Engineering Geology Lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
8	CADD lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
9	STAAD Pro	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments
10	Fluid Mechanics & Hydraulic Machinery Lab	First aid kit 3 layer fuse Protection Double earthing provided Fire extinguisher for quenching electric sparks/Fire Emergency exit provision Concealed wiring Use of ISI standard power equipments

### D3. Project Laboratory/Research Laboratory

- The projects of final year (B. Tech) students are performed in the various laboratories as per their requirement and needs.
- Final year (B. Tech) students are also assigned with different survey related project works in survey camp
- Consultancy project works are being conducted in the areas of surveying, material testing, computer aided planning, analysis and design.

#### Ø Surveying: Total Station

Material Testing: Compression testing machine, Universal Testing Machine, Rapid Chloride permeability apparatus, CBR Testing apparatus, Rebound hammer, Ultra Sonic Pulse velocity, U-V Spectrophotometer, Reflux apparatus, Penskey-Morten's apparatus etc.,

- Computer aided softwares: Auto CAD, STAAD Pro

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

S.N.	Name of the Laboratory
1.	Dassault Systems Lab
2	APSSDC - Skill Development Center

The institution in collaboration with APSSDC established two skill development centres in the style of AP CM's Skill Excellence Centre & Dassault's 3D experiencing lab of worth 1 crore rupees and facilitated to the students of the institution to upskill on new software like CATIA, CAD/CAM and on emerging technologies.

#### Dassault Systems Lab

The **Dassault Systèmes Lab** provides an advanced learning environment for civil engineering students, offering access to industry-leading software tools such as CATIA, SOLIDWORKS, SIMULIA, and the 3DEXPERIENCE platform. These tools are essential for 3D modeling, structural analysis, and design simulation, allowing students to develop accurate and detailed representations of buildings, bridges and other infrastructure projects.

#### APSSDC - Skill Development Center

Andhra Pradesh State Skill Development Corporation (APSSDC) plays a significant role in skill development through its Skill Development Centers (SDCs). APSSDC-SDCs provide specialized training programs aligned with industry demands, ensuring students and job seekers acquire the skills needed to enhance employability. By integrating academia with industry-driven skill training, APSSDC's Skill Development Centers empower the youth, boost employability, and strengthen the workforce in Andhra Pradesh.

## 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
2022-23(CAYm2)	60	3	4	3	127
2023-24(CAYm1)	60	3	3	3	100
2024-25(CAY)	60	3	3	4	107

### 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	230000000	223518686	150000000	141861934	75000000	59449290	0	0
Library	2400000	2215840	2000000	1667205	2600000	2022595	2200000	1610430
Laboratory equipment	1850000	1352317	2485000	2236627	2990000	2627956	8650000	7771046
Teaching and non-teaching staff salary	120000000	115845575	100000000	95183372	90000000	83362693	80000000	74340311
Outreach Programs	515000	314950	465000	381000	430000	365000	430000	340000
R&D	1630000	1360000	1517000	1407000	1030000	841000	685000	568000
Training, Placement and Industry linkage	2500000	1475636	2500000	2406100	2500000	2269106	2000000	1701948
SDGs	6423200	5813204	4721000	4515013	3678600	3500388	3617600	3370692
Entrepreneurship	50000	40000	40000	35000	30000	25000	25000	25000
Others, specify	26225000	24833872	25177500	23510795	26108000	25924336	16582500	15563222
<b>Total</b>	<b>391593200</b>	<b>376770080</b>	<b>288905500</b>	<b>273204046</b>	<b>204366600</b>	<b>180387364</b>	<b>114190100</b>	<b>105290649</b>

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	50000	0	50000	0	50000	0	50000	0
Software	50000	0	50000	0	50000	0	50000	0
SDGs	100000	88600	70000	55000	50000	45000	250000	247402
Support for faculty development	40000	28000	40000	32000	30000	28000	30000	26000
R & D	250000	200000	250000	215000	200000	165000	200000	180000
Industrial Training, Industry expert, Internship	40000	35000	40000	45000	35000	30000	30000	20000

Miscellaneous Expenses*	40000	36759	40000	39858	40000	33145	20000	7200
<b>Total</b>	<b>570000</b>	<b>388359</b>	<b>540000</b>	<b>386858</b>	<b>455000</b>	<b>301145</b>	<b>630000</b>	<b>480602</b>