NATIONAL BOARD OF ACCREDITATION

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

Program Name : Computer Science and Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 10572	**Date of Submission**: 23-04-2025

PART A- Profile of the Institute

A1.Name of the Institute: PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY	
Year of Establishment : 1998	Location of the Institute: Lat 16.4877°, Long 80.6941°
A2. Institute Address:VASANTHA NAGAR -POST KANURU	
City:VIJAYAWADA	State:Andhra Pradesh
Pin Code:520007	Website:www.pvpsiddhartha.ac.in
Email:PRINCIPAL@PVPSIDDHARTHA.AC.IN	Phone No(with STD Code):0866-2581699
A3. Name and Address of the Affiliating University (if any):	
Name of the University : JNTU KAKINADA	City: east Godavari
State : Andhra Pradesh	Pin Code: 533003
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **3**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Civil Engineering	2008	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	1999	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Engineering & Technology	UG	Electrical and Electronics Engineering	2001	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	Electronics & Communication Engineering	2000	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Information Technology	1998	--	Information Technology

8	Engineering & Technology	PG	Machine Design	2008	--	Mechanical Engineering
9	Engineering & Technology	UG	Mechanical Engineering	1998	--	Mechanical Engineering
10	Engineering & Technology	PG	Microwave & Communication Engineering	2010	--	Electronics and Communication Engineering
11	Management	PG	Master of 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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Information Technology	Yes	Information Technology	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Electrical and Electronics Engineering	No	Electrical and Electronics Engineering	UG
Mechanical Engineering	No	Mechanical 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)

Allied Department/Cluster Name	Program Name	Program Level
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Computer Science and Engineering (Data Science)	UG
Information Technology	Information Technology	UG
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG

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
1	Computer Science and Engineering	UG	1999 / --	40	Yes	2024	240	2024	South -central/1-43662543028/ 2024/EOA Dt:08-05-2024	Granted accreditation for 3 years for the period (specify period)	2022	2025	5

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

Sanctioned Intake for Last Five Years for the Computer Science and Engineering

Academic Year	Sanctioned Intake
2024-25	240
2023-24	180
2022-23	180
2021-22	180
2020-21	180
2019-20	180

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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	T(
1	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG	2022 / --	60	No	NA	60	2022	F.No. South-Central/1-10973783567/2022/EOA; dated 7.7.2022	Not eligible for accreditation	--	--
2	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Computer Science and Engineering (Data Science)	UG	2022 / --	60	No	NA	60	2022	F.No. South-Central/1-10973783567/2022/EOA; dated 7.7.2022	Not eligible for accreditation	--	--
3	Information Technology	Information Technology	UG	1998 / --	40	Yes	2012	120	2012	SC/1-688473556/2012/EOA dated 10-05-2012	Granted accreditation for 3 years for the period (specify period)	2022	2(

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

A. Name of the HoD :	Dr. A. Jaya Lakshmi
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	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)	240	180	180	180	180	180	120
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	240	179	180	179	180	180	120
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	19	18	19	18	18	12
N3=Separate division if any	0	1	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	24	18	18	18	13	13	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	264	217	216	216	211	211	132

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)	240	24	0	110.00
2023-24 (CAYm1)	180	18	0	109.44
2022-23 (CAYm2)	180	18	0	110.00

Average [(ER1 + ER2 + ER3) / 3] = 109.81≡ 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	(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).	211.00	211.00	132.00
B=No. of students who graduated from the program in the stipulated course duration	205.00	204.00	127.00
Success Rate (SR)= (B/A) * 100	97.16	96.68	96.21

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 96.68

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)	8.17	8.53	8.50
Y=Total no. of successful students	197.00	196.00	196.00
Z=Total no. of students appeared in the examination	197.00	196.00	196.00
API [X*(Y/Z)]	8.17	8.53	8.50

Average API[(AP1+AP2+AP3)/3] : 8.40

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 2rd year/10)	7.80	8.21	8.13
Y=Total no. of successful students	210.00	213.00	209.00
Z=Total no. of students appeared in the examination	36.00	37.00	31.00
API [X * (Y/Z)]	45.50	47.26	54.81

Average API [(AP1 + AP2 + AP3)/3] : 49.19

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)
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)	7.91	8.19	8.08
Y=Total no. of successful students	212.00	207.00	206.00
Z=Total no. of students appeared in the examination	213.00	209.00	209.00
API [X*(Y/Z)]:	7.87	8.11	7.96

Average API [(AP1 + AP2 + AP3)/3] : 7.98

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	207.00	206.00	132.00
X=No. of students placed	148.00	145.00	98.00
Y=No. of students admitted to higher studies	46.00	42.00	22.00
Z=Total no. of students appeared in the examination	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	93.72	90.78	90.91

Average Placement Index = (P_1 + P_2 + P_3)/3: 91.80 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. A. Jaya Lakshmi	XXXXXXX83C	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	22/04/2019	5.11	Professor	Professor	22/04/2019	Regular	Yes		Yes
2	Dr. M. V. Rama Krishna	XXXXXXX51P	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	06/07/2001	23.9	Associate Professor	Professor	23/08/2006	Regular	Yes		No
3	Dr .S. Madhavi	XXXXXXX05N	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	01/07/2005	19.9	Assistant Professor	Professor	01/12/2011	Regular	Yes		No
4	Dr. P. Sai Kiran	XXXXXXX33L	Ph.D	JNTU Hyderabad	Computer Science and Engineering	09/06/2022	2.10	Professor	Professor	09/06/2022	Regular	Yes		No
5	Dr. K. KoteswaraRao	XXXXXXX72R	Ph.D	JNTU Kakinada	Computer Science and Engineering	08/06/2018	6.10	Associate Professor	Associate Professor	08/06/2018	Regular	Yes		No
6	Dr .P.Naga Srinivasu	XXXXXXX34L	Ph.D	Gitam Deemed to be University	Computer Science and Engineering	01/07/2022	1.11	Associate Professor	Associate Professor	01/07/2022	Regular	No	10/06/2024	No
7	Dr. R.Daniel	XXXXXXX38J	Ph.D	JNTU Kakinada	Computer Science and Engineering	01/08/2022	2.8	Associate Professor	Associate Professor	01/08/2022	Regular	Yes		No
8	Dr B N.Swamy	XXXXXXX02H	Ph.D	Andhra University	Computer Science and Engineering	06/07/2005	19.9	Assistant Professor	Associate Professor	07/04/2023	Regular	Yes		No
9	Dr.S.Phani Praveen	XXXXXXX61A	Ph.D	Bharatiyar University	Computer Science and Engineering	23/05/2012	12.10	Assistant Professor	Associate Professor	07/04/2023	Regular	Yes		No
10	Dr A Ramana Lakshmi	XXXXXXX20A	Ph.D	Andhra University	Computer Science and Engineering	19/06/2004	20.9	Assistant Professor	Associate Professor	30/08/2006	Regular	Yes		No
11	Dr.J.Rama Devi	XXXXXXX37A	Ph.D	Gitam Deemed to be University	Computer Science and Engineering	21/06/2006	18.9	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr..G.LalithaKumari	XXXXXXX18A	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	28/02/2005	20.1	Assistant Professor	Assistant Professor		Regular	Yes		No

13	Dr.B.Lakshmi Ramani	XXXXXXX49C	Ph.D	Gitam Deemed to be University	Computer Science and Engineering	20/06/2008	14.11	Assistant Professor	Assistant Professor		Regular	No	31/05/2023	No
14	Dr.D.Swapna	XXXXXXX61P	Ph.D	Gitam Deemed to be University	Computer Science and Engineering	10/10/2008	16.6	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.K.Vijaya Kumar	XXXXXXX40B	Ph.D	VIT AP University	Computer Science and Engineering	15/06/2009	14	Assistant Professor	Assistant Professor		Regular	No	30/06/2023	No
16	Dr. M.Sailaja	XXXXXXX06J	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	17/06/2009	15.9	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms.Y.Surekha	XXXXXXX60E	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	07/10/2009	15.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Ms.D.Sree Lakshmi	XXXXXXX37Q	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	02/01/2010	15.3	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms T. Sri Lakshmi	XXXXXXX69Q	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	17/03/2010	15	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr.N.V.Ramana Gupta	XXXXXXX49H	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	15/11/2010	13.11	Assistant Professor	Assistant Professor		Regular	No	01/11/2024	No
21	Ms.A.Madhuri	XXXXXXX80L	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	17/01/2011	14.2	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr.P.Anil Kumar	XXXXXXX17F	M.E/M.Tech	JNTU Kakinada	Software Engineering	23/05/2012	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr.B.Vishnu vardhan	XXXXXXX28C	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	23/05/2012	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mr.D.LokeshSai Kumar	XXXXXXX42B	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	23/05/2012	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Ms.A.Divya	XXXXXXX43L	M.E/M.Tech	Andhra University	Computer Science and Engineering	23/05/2012	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mr.A.Yuva Krishna	XXXXXXX24L	M.E/M.Tech	Vignan University	Computer Science and Engineering	26/05/2012	12.10	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mr.V.Rajesh	XXXXXXX35C	M.E/M.Tech	JNTU Hyderabad	Computer Science and Engineering	03/06/2013	10.3	Assistant Professor	Assistant Professor		Regular	No	15/09/2023	No

28	Mr. M Ram Gopal	XXXXXXX03G	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	24/06/2009	15.9	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mr.B.Vinay Kumar	XXXXXXX73R	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	05/01/2021	4.3	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Ms Y. Manasa	XXXXXXX75C	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	21/12/2021	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Mr Y. Ayyappa	XXXXXXX97H	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	30/12/2021	1.4	Assistant Professor	Assistant Professor		Regular	No	31/05/2023	No
32	Mr.A.Prashant	XXXXXXX64M	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	14/03/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Ms.P.Dedeepya	XXXXXXX92B	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	17/03/2022	3	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Ms.V.Swathi	XXXXXXX75R	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	04/07/2022	0.11	Assistant Professor	Assistant Professor		Regular	No	03/07/2023	No
35	Mr. K. Michael Sadgun Rao	XXXXXXX01E	M.E/M.Tech	JNTU Kakinada	Software Engineering	01/08/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mr. E. Bala Bhaskara Rao	XXXXXXX63H	M.E/M.Tech	Andhra University	Computer Science and Technolgy	29/08/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Dr. K. Jyosthna Devi	XXXXXXX66D	Ph.D	SRM University , AP	Computer Science and Engineering	21/06/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Mr.N.Sudhakar Reddy	XXXXXXX71L	M.E/M.Tech	NITK, Suratkal	Systems Analysis and Computer Applications	05/07/2023	1.9	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Dr. U. Sirisha	XXXXXXX89N	Ph.D	VIT AP University	Computer Science and Engineering	26/08/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Ms.D.Jyothi	XXXXXXX21A	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	27/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Ms.M.Bhavya Lakshmi	XXXXXXX24H	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	21/10/2024	0.5	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Ms A. Naga Pravallika	XXXXXXX46M	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	06/12/2024	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No

43	Ms K. Naga Divya	XXXXXXX06Q	M.E/M.Tech	JNTU Anantapur	Computer Science and Engineering	20/12/2024	0.3	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Ms.Shilpee Kumari	XXXXXXX20Q	M.E/M.Tech	MNIT ,Jaipur	Embedded Systems	27/08/2020	3	Assistant Professor	Assistant Professor		Regular	No	19/09/2023	No
45	Ms. B Raja Rajeswari	XXXXXXX56H	M.E/M.Tech	Krishna University	Computer Science and Engineering	06/12/2021	1.9	Assistant Professor	Assistant Professor		Regular	No	30/09/2023	No
46	Mr.L.V. Krishna Rao	XXXXXXX59A	M.E/M.Tech	JNTU Kakinada	Computer Science and Engineering	05/05/2022	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. B.V Subba Rao	XXXXXXX51E	XXXXXXXXX093	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	03/12/2004	20.4	Assistant Professor	Professor	21/10/2011	Regular	Yes		Yes
2	Dr B.Tirapathi Reddy	XXXXXXX56D	NA	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	01/03/2023	1.3	Professor	Professor	01/03/2023	Regular	No	22/06/2024	No
3	Dr. A.Haritha	XXXXXXX01F	59877557145	Ph.D	KL University	Computer Science and Engineering	23/06/2008	16.9	Assistant Professor	Associate Professor	03/07/2018	Regular	Yes		No
4	Dr.D.Kavitha	XXXXXXX31L	XXXXXXXXX320	Ph.D	JNTU Kakinada	Computer Science and Engineering	03/12/2004	20.4	Assistant Professor	Associate Professor	25/04/2023	Regular	Yes		No
5	Dr. Y.Suresh	XXXXXXX77D	XXXXXXXXX014	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	08/08/2008	16.8	Assistant Professor	Associate Professor	25/04/2023	Regular	Yes		No
6	Dr. S.Sai Kumar	XXXXXXX65D	XXXXXXXXX214	Ph.D	Krishna University	Computer Science and Engineering	26/11/2010	14.4	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Dr. K. Pavan Kumar	XXXXXXX94H	XXXXXXXXX201	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	11/08/2008	16.8	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr. J.Sirisha	XXXXXXX44K	XXXXXXXXX951	Ph.D	Krishna University	Computer Science and Engineering	02/07/2004	20.9	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Dr. G.Reshma	XXXXXXX81B	XXXXXXXXX103	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	21/06/2006	18.9		Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr. G. Lakshmi	XXXXXXX13A	XXXXXXXXX043	Ph.D	Acharya Nagarjuna University	Computer Science and Engineering	12/07/2010	14.9		Assistant Professor	Assistant Professor		Regular	Yes		No
11	Ms. K.Swarupa Rani	XXXXXXX86K	XXXXXXXXX968	M.E/M.Tech	JNTU Hyderabad	Computer Science and Engineering	10/06/2011	13.10		Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr.P.Ravi Prakash	XXXXXXX70L	XXXXXXXXX192	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	18/08/2011	13.7		Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr Y.Padma	XXXXXXX67N	XXXXXXXXX424	Ph.D	Krishna University	Computer Science and Engineering	10/11/2011	13.5		Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms. K Srivijaya	XXXXXXX76N	XXXXXXXXX983	M.E/M.Tech	Andhra University	Computer Science and Technology	30/05/2012	12.10		Assistant Professor	Assistant Professor		Regular	Yes		No
15	Ms. D. Leela Dharani	XXXXXXX89N	XXXXXXXXX296	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	03/06/2013	11.10		Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr .IMV Krishna	XXXXXXX19G	XXXXXXXXX317	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	20/06/2008	16.9		Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. Ch.Chandra Mohan	XXXXXXX17H	XXXXXXXXX058	M.E/M.Tech	JNTUK Kakinada	Software Engineering	31/05/2012	12.10		Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Ch.Praneeth	XXXXXXX44N	XXXXXXXXX951	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	28/08/2020	4.7		Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms. V.Rashmi	XXXXXXX86J	XXXXXXXXX866	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	01/04/2021	4		Assistant Professor	Assistant Professor		Regular	Yes		No
20	DrV.Siva Parvathi	XXXXXXX81M	XXXXXXXXX105	Ph.D	Andhra University	Computer Science and Engineering	16/10/2007	17.5		Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr D.Srinivasa Rao	XXXXXXX54P	NA	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	05/05/2022	1		Assistant Professor	Assistant Professor		Regular	No	25/05/2023	No
22	Mr.D.Bharadwaja	XXXXXXX58B	XXXXXXXXX478	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	15/06/2022	2.9		Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. B.V Satish Babu	XXXXXXX49E	XXXXXXXXX659	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	15/06/2022	2.9		Assistant Professor	Assistant Professor		Regular	Yes		No

24	Ms. P.Rajya Lakshmi	XXXXXXX95L	XXXXXXXXX802	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	27/02/2023	2.1	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Dr.B.Janakiramaiah	XXXXXXX98R	XXXXXXXXX956	Ph.D	JNTUH, Hyderabad	Computer Science and Engineering	08/06/2017	7.10	Professor	Professor	08/06/2017	Regular	Yes		No
26	Ms.P.Sujatha	XXXXXXX07R	XXXXXXXXX607	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	01/08/2023	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mr.G.Venkata Krishna	XXXXXXX01J	XXXXXXXXX323	M.E/M.Tech	IIT Kharagpur	Computer Science and Data Processing	23/08/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mr.K.S.S. Narayana	XXXXXXX92G	XXXXXXXXX974	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	24/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mr.B.Kalyan Chakravarthy	XXXXXXX71B	XXXXXXXXX543	M.E/M.Tech	Acharya Nagarjuna University	Computer Science and Engineering	24/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mrs T Deepa	XXXXXXX30G	XXXXXXXXX073	M.E/M.Tech	JNTU Anantapur	Computer Science and Engineering	24/06/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Mr. Ch.Naresh	XXXXXXX95N	NA	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	15/10/2022	1.7	Assistant Professor	Assistant Professor		Regular	No	14/06/2024	No
32	Ms.R.Padmaja	XXXXXXX44J	NA	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	02/05/2023	1.1	Assistant Professor	Assistant Professor		Regular	No	14/06/2024	No
33	Ms.M.Susmitha	XXXXXXX62A	NA	M.E/M.Tech	Bharath University	Computer Science and Engineering	17/08/2023	1.2	Assistant Professor	Assistant Professor		Regular	No	31/10/2024	No
34	Mrs P.Hema Venkata Ramana	XXXXXXX29R	XXXXXXXXX308	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	15/09/2022	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Mrs P Nagamani	XXXXXXX94J	XXXXXXXXX402	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	15/05/2023	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Mr.M Winson	XXXXXXX59E	XXXXXXXXX797	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	21/08/2023	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Mrs Sravanam Sreeja	XXXXXXX57M	XXXXXXXXX775	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	19/03/2024	1	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Ms Ch Mounika	XXXXXXX23L	XXXXXXXXX110	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	17/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No

39	Mrs G Pavani	XXXXXXX36P	XXXXXXXXX598	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	27/05/2024	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Mrs M.Sri Lakshmi Vani	XXXXXXX42B	XXXXXXXXX630	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	21/06/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mrs Hafeena Mohammad	XXXXXXX59J	XXXXXXXXX214	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	06/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Mr K.Chiranjeevi	XXXXXXX23H	NA	M.E/M.Tech	JNTUK Kakinada	Computer Science and Engineering	15/06/2023	1	Assistant Professor	Assistant Professor		Regular	No	14/06/2024	No
43	Dr B Raj Kumar	XXXXXXX81H	NA	Ph.D	VIT AP University	Computer Science and Engineering	30/09/2022	0.9	Assistant Professor	Assistant Professor		Regular	No	22/07/2023	No
44	Ms Gayatri Gamini	XXXXXXX63L	XXXXXXXXX658	M.E/M.Tech	IIITDMJ	computer Science and Engineering(Data Science)	15/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Ms. N Susmitha	XXXXXXX36B	XXXXXXXXX961	M.E/M.Tech	JNTUK Kakinada	Data Science	30/07/2024	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No

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 Department4 No. of PG Programs in the Department0

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	198	198	198
UG1.C	198	198	198
UG1.D	198	198	198
UG1: Computer Science and Engineering	**594**	**594**	**594**
UG2.B	132	132	132

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG2.C	132	132	132
UG2.D	132	132	132
UG2: Information Technology	**396**	**396**	**396**
UG3.B	66	66	0
UG3.C	66	0	0
UG3.D	0	0	0
UG3: Computer Science and Engineering (Data Science)	**132**	**66**	**0**
UG4.B	66	66	0
UG4.C	66	0	0
UG4.D	0	0	0
UG4: Computer Science and Engineering (Artificial Intelligence & Machine Learning)	**132**	**66**	**0**
DS=Total no. of students in all UG and PG programs in the Department	594	594	594
AS=Total no. of students of all UG and PG programs in allied departments	660	528	396
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 1254	**S2=** 1122	**S3=** 990
DF=Total no. of faculty members in the Department	34	35	39
AF= Total no. of faculty members in the allied Departments	38	33	23
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 72	**F2=** 68	**F3=** 62
FF=The faculty members in F who have a 100% teaching load in the first-year courses	5	5	4
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.72**	**SFR2= 17.81**	**SFR3= 17.07**
Average SFR for 3 years	**SFR= 17.87**		

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)]
2024-25(CAY)	27	45	56.00	20.09
2023-24(CAYm1)	26	42	52.00	20.58
2022-23(CAYm2)	26	44	49.00	22.24

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
2024-25	6.00	6.00	12.00	8.00	37.00	58.00
2023-24	5.00	7.00	11.00	8.00	35.00	53.00
2022-23	5.00	6.00	11.00	4.00	33.00	52.00
Average	RF1=5.33	AF1=6.33	RF2=11.33	AF2=6.67	RF2=35.00	AF2=54.33

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	Prasanth Sahoo	Consultant	Transunion	Blockchain Technology	51.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Prasanth Sahoo	Consultant	Transunion	Blockchain Technology	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Nil	Nil	Nil	Nil	0.00

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	41	49	17
2	No. of peer reviewed conference papers published	26	25	22
3	No. of books/book chapters published	0	4	1

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. Shakeel Ahmed KFU, Kingdom of Saudi Arabia.	Dr. P. Naga Srinivasu	The Deanship of Scientific Research, Saudi Arabia	Bi-LSTM with CNN over An XAI Framework for Real-Time Monitoring of Blood Glucose Levels	Vice Presidency of graduate Studies and Scientific Research	2 Months	2.22
						Amount received (Rs.):2.22

(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. Shakeel Ahmed KFU, Kingdom of Saudi Arabia.	Dr. P. Naga Srinivasu	The Deanship of Scientific Research, Saudi Arabia	Smart Security framework for sensor data in ambient assisted technology	Vice Presidency of graduate Studies and Scientific Research	2 Months	3.30
						Amount received (Rs.):3.30

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

Total Amount (Lacs) Received for the Past 3 Years: 5.52

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

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
NIL	NIL	NIL	NIL	NIL	NIL	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.00
Note*:
- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. B. Vishnu Vardhan	Smart Pill Dispenser	1 Year	68100.00	68100.00	The Smart Pill Dispenser project has led to significant advancements in personalized healthcare delivery and patient empowerment.
Mr. A. Prashant	Web & IOT based project for water supply and Quality Management	1 Year	65900.00	65900.00	Water Quality adjustment and Monitoring
			Amount received (Rs.): 134000.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. B. Vishnu Vardhan	Remote Stethoscope Vest Coat	1 Year	68505.17	68505.17	AI-assisted remote auscultation of lung sounds, particularly vital during pandemics or in remote regions with limited medical access.
			Amount received (Rs.): 68505.17		

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

Total amount (Lacs) received for the past 3 years : 202505.17

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	Application Development Lab (Room No:216)	73	HP Pro Tower 400 G9: 12th Gen Intel Core i7-12700 Processor, 512GB SSD, 16 GB, DDR -IV RAM, Intel Q670 Chipset, HP P22HV 10.5" LED	Semester-I : 3(	1. Ms. J. Sarvani 2. Ms	1. Jr. Programmer 2. Pr	1. M. Tech (CSE) 2. M
2	Programming Languages Lab (Room No:224)	73	HP Pro Desk 400 G2 MT Intel Core I5- 4570 Processor 4GB DDR III RAM, 240 GB SSD, 500 GB HDD DVD Writer HP Keyboard Mouse Number of	Semester-I : 3(	1.Ms. M. Krishnaveni 2	1. Jr. Programmer 2. Jr.	1. MCA 2. B. Tech (CS
3	Artificial Intelligence& Machine Learning Lab (Room No 208)	73	Dell Optiplex 5080 Desktop System intelcorei7-10700 10th Geprocessor 16GB DDRRAM 3.5 1TB SATA HDD NVIDIA GeForce GT 730 2GB Dell USB	Semester-I : 33	1. Ms. P. Anusha 2. Ms	1. Jr. Programmer 2. Jr.	1. M.Sc (IT) 2. B.Tech

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Artificial Intelligence & Machine Learning Lab (Room No:208)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .
2	Invention and Innovation Cell (Room No:211)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .
3	Application Development Lab (Room No:216)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .
4	Research & Development Lab (Room No:218)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .
5	Programming Languages Lab (Room No:224)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .
6	Skill Training & Projects Lab (Room No:323)	• Fire extinguishers are available with periodic maintenance . • Electrical Earth and MCB protection provided. • UPS for power backup. • General rules of conduct are displayed .

D3. Project Laboratory/Research Laboratory

A. **Availability of Project laboratories/ Research laboratories**

- These labs are equipped with **modern computing facilities, software tools, and hardware** required for **skill training, research and project implementation.**

   Table No. 7.5.1:

Sl. No.	Name of The Laboratory
1	Projects Lab (Room No:113)
2	Research & Development Lab (Room No:218 B)

B. **Availability of Centre of excellence**

   Table No. 7.5.2:

Sl. No.	Name of The Laboratory
1	Invention and Innovation Cell(IoT) (Room No:211)
2	APSSDC CM Skills lab (Room No: 435)

 The MOUs are entered with Virtusa Consulting Services Pvt.Ltd and Hexaware Technologies.

 Utilization:

Both Virtusa and Hexaware conduct screening tests/Interviews for selecting students to impart company specific training. The selected students will be provided internships a leading to placements.

C. **Utilization of Project laboratories/Research laboratory/Centre of excellence**

The CSE Department utilizes its Project laboratories, Research laboratories and Centre of Excellence for various purposes, including project development and research activities. The labs are actively utilized for different courses and projects, ensuring students receive practical exposure and skill development.

Projects Lab (Room No:113):

- Projects implementation by IV B Tech students.
- Placement Trainings (Company specific trainings).
- Team based Projects in core courses by III B.Tech students.

Research & Development Lab (Room No:218 B):

Students:

- Shortlisted students attend Hackathons/Codathons through online mode.
- Major project reviews.
- Mock interviews through online/offline mode.

Faculty:

- R and D group meetings
- Faculty utilize this facility for their Research work.

Invention and Innovation Cell (Room No:211):

- Students develop IoT Based Prototypes/Models
- Students prepare proposals for participating in different Hackathons such as AICTE Smart India Hackathon etc.

D. **Relevance to POs/PSOs**

The Project Laboratories, Research Laboratories and Centre of Excellence significantly contribute to achieving all POs and PSOs by fostering technical skills, research capabilities and innovation-driven learning**.** These facilities ensure that students gain industry-relevant expertise, problem-solving skills and exposure to modern tools, preparing them for real-world challenges and career excellence.

The facilities mentioned (Project Laboratory, Research & Development Lab, and Centre of Excellence) significantly contribute to the attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs) by aligning with the following key aspects:

1. **Program Outcomes(POs):**

- **PO1 (Engineering Knowledge):** Students apply foundational and advanced concepts in computing to solve real-world problems through projects, hackathons and research activities.
- **PO2 (Problem Analysis):** Labs provide opportunities to analyze and address complex problems, such as IoT-based prototypes or major project reviews.
- **PO3 (Design/Development of Solutions):** Students design and implement solutions (e.g., team-based projects, IoT models) using modern tools and methodologies.
- **PO4 (Investigation of Complex Problems):** Research labs facilitate data-driven investigations, mock interviews, and participation in hackathons like Smart India Hackathon.
- **PO5 (Modern Tool Usage):** Exposure to industry-standard software/hardware (e.g.,IoT, company-specific training) ensures proficiency in contemporary technologies.
- **PO6 (Engineer and Society):** Projects and prototypes (e.g., IoT models) address societal needs, fostering ethical and responsible engineering practices.
- **PO7 (Environment and Sustainability):** Innovation Cell encourages sustainable solutions (e.g., energy-efficient IoT prototypes).
- **PO8 (Ethics):** R&D group meetings and project reviews emphasize ethical research and professional integrity.
- **PO9 (Individual and Team Work):** Collaborative projects (III/IV B.Tech) and hackathons develop teamwork and leadership skills.
- **PO10 (Communication):** Mock interviews, proposal preparations and project presentations enhance verbal/written communication.
- **PO11 (Project Management):** Students manage timelines and resources during major projects and company trainings.
- **PO12 (Lifelong Learning):** Continuous skill upgrades through internships, hackathons, and industry collaborations (e.g., Virtusa, Hexaware).

1. **Program Specific Outcomes(PSOs):**

- **PSO1 (Core Competence):** Labs strengthen programming, system design and research skills (e.g., R&D Lab for hackathons, Projects Lab for placements).
- **PSO2 (Multidisciplinary Applications):** IoT Innovation Cell and company trainings.

These facilities directly support POs/PSOs by integrating theoretical knowledge with hands-on practice, innovation and industry collaboration, thereby preparing students for academic excellence and professional success.

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)	720	36	28	11	68
2023-24(CAYm1)	720	36	27	14	68

2024-25(CAY)	780	39	25	14	58

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	3700000	17455000	3200000	4376000	3150000	1653000	5450000	1019000
Library	3095000	2979000	2550000	3295000	2478000	2996000	2365000	2554000
Laboratory equipment	54656000	33844000	39012000	28548000	32204000	26598000	14464000	19884000
Teaching and non-teaching staff salary	241021000	245419000	230845000	242250000	219853000	227822000	213439000	219550000
Outreach Programs	2117000	2475000	1118000	2158000	1512000	856000	1109000	92000
R&D	2525000	973000	1817000	1183000	1725000	818000	1450000	488000
Training, Placement and Industry linkage	5055000	5013000	4770000	4216000	3038000	3395000	3980000	1024000
SDGs	165000	1970000	376000	1783000	195000	369000	1220000	344000
Entrepreneurship	485000	29000	392000	98000	301000	145000	194000	12000
Others, specify	20871000	31828000	21967000	20927000	20911000	25766000	19499000	21467000
Total	**333690000**	**341985000**	**306047000**	**308834000**	**285367000**	**290418000**	**263170000**	**266434000**

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	1200000	1229190	973000	469794	5815000	5336447	1474000	1105423
Software	200398	200398	159952	159952	204466	204466	174167	174167
SDGs	1625000	1077919	1550000	1149851	250000	1106620	355000	362641
Support for faculty development	100000	20500	50000	72905	100000	106495	10000	70020
R & D	220000	267000	220000	325000	270000	203500	50000	21500

Industrial Training, Industry expert, Internship	780000	1239854	650000	673428	150000	72700	50000	69400
Miscellaneous Expenses*	472000	368662	649000	712400	491000	122548	258000	630827
Total	**4597398**	**4403523**	**4251952**	**3563330**	**7280466**	**7152776**	**2371167**	**2433978**