NATIONAL BOARD OF ACCREDITATION

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

Program Name : Information Technology	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 2
Application No: 11088	**Date of Submission**: 09-10-2025

PART A- Profile of the Institute

A1.Name of the Institute: Vignan's Institute of Management & Technology for Women	
Year of Establishment : 2008	Location of the Institute: https://maps.app.goo.gl/7VofXvHpbGWj5NTf7
A2. Institute Address:Kondapur (V), Ghatkesar (M), Medichal (D)	
City:Ranga Reddy	State:Telangana
Pin Code:501301	Website:www.vmtw.in
Email:vmtw.aicte@gmail.com	Phone No(with STD Code):09652-910003
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Jawaharlal Nehru Technological University Hyderaba	City: Ranga Reddy
State : Telangana	Pin Code: 501301
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: **6**
- No. of PG programs: **2**

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	2021	2023	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
3	Engineering & Technology	PG	Computer Science and Engineering	2024	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2020	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2021	--	Computer Science and Engineering (Data Science)
6	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Information Technology	2019	--	Information Technology
8	Engineering & Technology	PG	VLSI	2011	--	Electronics and Communication 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
Computer Science and Engineering	No	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication Engineering	UG
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	No	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG
Information Technology	No	Information Technology	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 ACCREDITED	PROGRAM DURATION
1	Information Technology	UG	2019 / --	60	No	NA	60	2019	F.No. South-Central/1-44641850195/2025/EOA/Corrigendum-1	Applying first time	--	--	0	4

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.Dumpala Shanthi
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)	60	60	60	60	60	60	60
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	60	60	39	60	51	45	34
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	4	5	6	3	4	1
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	4	3	4	4	3	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	64	67	48	70	57	49	35

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	4	106.67
2024-25 (CAYm1)	60	60	3	105.00
2023-24 (CAYm2)	60	39	4	71.67

Average [(ER1 + ER2 + ER3) / 3] = 94.45≡ 20.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	63.00	64.00	61.00
B=No. of students who graduated from the program in the stipulated course duration	48.00	40.00	33.00
Success Rate (SR)= (B/A) * 100	76.19	62.50	54.10

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 64.26

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)	7.89	7.27	7.43
Y=Total no. of successful students	60.00	43.00	62.00
Z=Total no. of students appeared in the examination	60.00	43.00	62.00
API [X*(Y/Z)]	7.89	7.27	7.43

Average API[(AP1+AP2+AP3)/3] : 7.53

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)	6.96	7.31	5.88
Y=Total no. of successful students	48.00	68.00	56.00
Z=Total no. of students appeared in the examination	48.00	68.00	56.00
API [X * (Y/Z)]	6.96	7.31	5.88

Average API [(AP1 + AP2 + AP3)/3] : 6.72

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)	7.64	6.76	6.57
Y=Total no. of successful students	67.00	55.00	47.00
Z=Total no. of students appeared in the examination	68.00	56.00	47.00
API [X*(Y/Z)]:	7.53	6.64	6.57

Average API [(AP1 + AP2 + AP3)/3] : 6.91

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	63.00	64.00	61.00
X=No. of students placed	38.00	33.00	28.00
Y=No. of students admitted to higher studies	10.00	7.00	5.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	76.19	62.50	54.10

Average Placement Index = (P_1 + P_2 + P_3)/3: 64.26 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.Dumpala Shanthi	XXXXXXX18K	M.Tech and Ph.D.	JNTUH	CSE	01/07/2023	2.3	Professor	Professor	01/07/2023	Regular	Yes		Yes
2	Dr.P.Eswaraiah	XXXXXXX33J	M.Tech and Ph.D.	VIT-AP	CSE	29/01/2024	1.8	Assistant Professor	Associate Professor	01/10/2024	Regular	Yes		No
3	Dr.Janakiraman Ranjith	XXXXXXX56A	M.Tech and Ph.D.	PONDICHERRY UNIVERSITY	CSE	18/06/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Swapna Chiluguri	XXXXXXX42K	M.Tech	JNTUH	IT	04/01/2021	4.9	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs.Kolan Helini	XXXXXXX39F	M.Tech	JNTUH	SE	01/02/2020	5.8	Associate Professor	Associate Professor	01/02/2020	Regular	Yes		No
6	Mrs.Eenaja Aileni	XXXXXXX59M	M.Tech	JNTUH	CSE	28/02/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No

7	Mrs.Bojjapalli Archana	XXXXXXX35Q	M.Tech	JNTUH	CSE	26/05/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.U.Venkat Rao	XXXXXXX29L	M.Tech	JNTUH	SE	03/07/2021	4.3	Assistant Professor	Associate Professor	03/07/2021	Regular	Yes		No
9	Fouziya Mojammed	XXXXXXX83H	M.Tech	JNTUH	CSE	03/02/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Giridhar Katukuri	XXXXXXX30F	M.Tech	JNTUH	CSE	07/06/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr.Chandra Shekher Sangishetty	XXXXXXX91E	M.Tech	JNTUH	CSE	06/06/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Srinivasarao Munagala	XXXXXXX71P	M.Tech	JNTUH	CSE	05/05/2022	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs.Sandhya Rani Gangu	XXXXXXX65N	M.Tech	JNTUH	SE	02/07/2024	1.3	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr.A.Sudheer Babu	XXXXXXX45M	M.Tech and Ph.D.	JNTUH	CSE	13/04/2015	9.1	Professor	Professor	13/04/2015	Regular	No	15/05/2024	No
15	Mrs. P.Amreswari	XXXXXXX53R	M.Tech	JNTUH	SE	06/07/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Dr.Ch. Baswaraj	XXXXXXX61D	M.Tech and Ph.D.	JNTUH	CSE	23/12/2019	5.4	Associate Professor	Associate Professor	23/12/2019	Regular	No	09/05/2025	No

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

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	64	65	66
UG1.C	65	66	63

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.D	66	63	64
UG1: Information Technology	**195**	**194**	**193**
DS=Total no. of students in all UG and PG programs in the Department	195	194	193
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=** 195	**S2=** 194	**S3=** 193
DF=Total no. of faculty members in the Department	14	15	14
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=** 14	**F2=** 15	**F3=** 14
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= 15.00**	**SFR2= 13.86**	**SFR3= 14.85**
Average SFR for 3 years	**SFR= 14.57**		

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)	2	12	9.00	18.89
2024-25(CAYm1)	2	13	9.00	20.00
2023-24(CAYm2)	3	11	9.00	20.56

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	1.00	1.00	2.00	1.00	6.00	12.00
2024-25	1.00	1.00	2.00	1.00	6.00	13.00
2023-24	1.00	2.00	2.00	1.00	6.00	11.00
Average	RF1=1.00	AF1=1.33	RF2=2.00	AF2=1.00	RF2=6.00	AF2=12.00

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	Mr. Ch.Madhu Sudhan Reddy	Associate consultant	TCS	Data Structures	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.A.Bharadwaj	Founder	ABTechville	NODE JS	52.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr.N.Vijay	Senior Consultant	Deloitte	Software Testing Methodologies	50.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	Number of peer reviewed journal papers published	16	15	14
2	Number of peer reviewed conference papers published	10	8	8
3	Number of books and book chapters published	5	4	4

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. D. Shanthi	Dr. P. Eswaraiah	R&D	Food Spoilage Detection in Refrigeration	Algoleap	9 Months	1.50
Dr. P. Eswaraiah	Mr. J. Ranjith	CSR	Online FDP, Workshop Management system algorithm for the website	Brain-O- vision Pvt. Ltd	6 Months	1.50
Dr. D. Shanthi	Mr. S. Chandra sekher	R&D	Auto Paper Gen – Secure Question Paper Automation Tool	Lavu Educational Society	9 Months	2.60
Mr. J. Ranjith	Mrs. A. Eenaja	R&D	Anomaly Detection in dim light and identification in the campus	Lavu Educational Society	8 Months	2.71
						Amount received (Rs.):8.31

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. D. Shanthi	Dr. Ch. Baswaraj	R&D	Home Services	SSSP Innovative Research LLP	12 Months	2.00
Dr. D. Shanthi	Mr. J. Ranjith	R&D	Drone Simulation Using ROS	SSSP Innovative Research LLP	9 Months	2.20
Mr. J. Ranjith	Mr. S. Chandra sekher	R&D	Anomaly Detection and identification in the campus	Lavu Educational Society	9 Months	2.50
Dr. Ch. Baswaraj	Dr. D. Shanthi	R&D	Women safety protection App	Lavu Educational Society	6 Months	2.59
						Amount received (Rs.):9.29

(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. Sudheer Babu	Mrs. K. Helini	CSR	Smart Attendance system	Lavu Educational Society	7 Months	2.10
Dr. Ch. Baswaraj	Mrs. A. Eenaja	R&D	Smart Timetable System	Lavu Educational Society	9 Months	2.50
						Amount received (Rs.):4.60

Total Amount (Lacs) Received for the Past 3 Years: 22.20

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. D. Shanthi	Mr. J. Ranjith	R&D	Smart parking solution	Skill up/ IBM	1 Month	2.00
Dr. D. Shanthi	Dr. P. Eswaraiah	Development Department	AQM-IOT Solution noise pollution	Skill up/ IBM	1 Month	2.00
Dr. P. Eswaraiah	Mr. S. Chandra sekher	R&D	UI Design for SAK	Savir Consultants	6 Months	0.50
Mr. J. Ranjith	Mrs. G. Sandhya Rani	R&D	BlogSpot's	Merittrac Services	7 Months	0.50
Dr. Ch. Baswaraj	Mrs. K. Helini	Development Department	Interactive chatbot creation	Eduquity Career Tech	5 Months	0.60
Mr. M. Srinivasa Rao	Mrs. A. Eenaja	R&D	Mobile Application for Furniture's sales monitoring	KNSV Furniture's	9 Months	1.00
Mrs. G. Sandhya Rani	Dr. P. Eswaraiah	R&D	Question paper of 100 coding questions with key for online exams	Savir Consultants	1.5 Months	0.13
						Amount received (Rs.):6.73

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. D. Shanthi	Dr. Ch. Baswaraj	R&D	Dog breed prediction	Smart Bridge	3 Months	3.00
Dr. D. Shanthi	Dr. A. Sudheer Babu	R&D	Bit coin Prediction and Lung Cancer Prediction using FB model	Smart Bridge	3 Months	3.20
Dr. A. Sudheer Babu	Dr. Ch. Baswaraj	Development Department	Algorithm for Login page and question paper automatic setting	Proexcel Consulting	2 Months	2.70
Mrs. A. Eenaja	Mr. J. Ranjith	R&D	Visualization And Forecasting of Stocks	Proexcel Consulting	1 Month	0.50
Dr. Ch. Baswaraj	Mrs. C. Swapna	R&D	Question Bank preparation on Programming topics for Online exam	Eduquity Career Tech	3 Months	1.51
						Amount received (Rs.):10.91

(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. Sudheer Babu	Mrs. A. Eenaja	R&D	AUD-IT	San Prints Pvt ltd	2 months	1.50
Dr. Ch. Baswaraj	Mrs. K. Kolan	Development Department	Blog designing for sales	San Prints Pvt ltd	2 months	1.49
Mr. J. Ranjith	Mrs. Md. Fouziya	R&D	Interactive Chatbot creation for collecting the admission queries	Texas Review	30 days	2.51
						Amount received (Rs.):5.50

Total amount (Lacs) received for the past 3 years: 23.14

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. D. Shanthi	Traffic Congestion	6months	0.50	0.50	Prototype is ready and Applied for the Scopus paper publication
Dr. D. Shanthi	Next-Generation Computer Integrated Surgical Robot Arm for Laparoscopy	1 year	1.00	1.00	Granted Patent
Dr. P. Eswaraiah	Smart Attendance	6months	0.50	0.50	Working Model is ready
			Amount received (Rs.): 2.00		

(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
Dr. D. Shanthi	Smart Helmet	6 months	1.50	1.50	Prototype is ready Springer Conference paper published
Dr. D. Shanthi	Breast Cancer Prediction Jacket	7 months	1.50	1.50	Prototype is ready applied for SCI Paper
Mr. J. Ranjith	Virtual Shopping	6months	0.30	0.30	Working Model is ready
			Amount received (Rs.): 3.30		

(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
Mr. J. Ranjith	Agriculture Drone for Monitoring and Spraying Pesticides	1 year	1.00	1.00	Granted Patent
Dr. A. Sudheer Babu	Smart Mirror	6 Months	0.75	0.75	Design model is ready
Dr.Ch. Baswaraj	Smart Garage	6 Months	0.50	0.50	Prototype
Mrs. Md. Fouziya	Automated screening and diagnosis of common vision-threatening diseases method and thereof	1 year	1.00	1.00	Granted Patent
Mr. U. Venkat rao	Solar and Wind Operated Hybrid Power Satiation	1 year	1.00	1.00	Granted Patent
			Amount received (Rs.): 4.25		

Total amount (Lacs) received for the past 3 years : 9.55

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	Internet of Thing (IOT) Lab	32	UPS Computers Dell/ HP Desktop Processor I5, Systems with required Software ARDUINO Boards, Sensors	66.66%	Mrs.Ch. Prathyusha	Lab Assistant	B. Tech
2	Machine Learning Lab	32	UPS Computers Dell/ HP Desktop Processor I5, Systems with required Software (Python/ MATLAB)	70%	Mrs. M. Shravani	Lab Assistant	B. Tech
3	Operating system Lab	32	UPS Computers Dell/ HP Desktop Processor I5, Systems with required Software (Unix/ Linux/ Ubuntu/ Windows) Computer Systems with software (Turbo C /C++)	66.66%	Mrs. B. Aparna	Lab Assistant	B. Tech
4	DevOps Lab	32	UPS Computers Dell /HP Desktop Processor I5, Systems with required Software GitHub Desktop, Jenkins, Docker, Kubernetes	66.66%	Mrs. P. Swarnalatha	Lab Assistant	B. Tech
5	Data Base Management System (DBMS) Lab	32	UPS Computers Dell /HP Desktop Processor I5, Systems, Dell/ HP Systems with required Software (Linux/ My sql Server)	70%	Mrs. K. Shireesha	Lab Assistant	B. Tech
6	Advanced Algorithms Lab	32	UPS Computers Dell /HP Desktop Processor I5, Systems with software (Turbo C /C++) Virtual Lab	66.66%	Mrs. S. Kavitha	Lab Assistant	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	Internet of Thing (IOT)Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
2	Machine Learning Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
3	Operating system Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
4	DevOps Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
5	Data Base Management System (DBMS) Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
6	Advanced Algorithms Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
7	R&D Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
8	AIDea Lab	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
9	CIIIRE	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.
10	Centre of Excellence (COE)	1. Specific Safety Policies (Do's & Don'ts) for Students are Displaced. 2. First Aid Box. 3. Fire Extinguishers are kept in the Laboratory. 4. Antivirus Software installed on each Computer. 5. Well Organized and clean Laboratory. 6. CCTV Camera installed in all Laboratory. 7. All Cables are properly Insulated. 8. All Civil Structures Inspection is done at regular intervals with concerned people.

D3. Project Laboratory/Research Laboratory

The **IT Department** is equipped with a **Research Laboratory, Project Laboratory, Centre for Institute Innovation, Incubation, Research & Entrepreneurship and Centre of Excellence**, all these labs established to enhance advanced skills and support academic growth. These facilities are furnished with modern software, high-performance hardware, and domain-specific tools to strengthen hands-on learning and research capabilities.
The **Research Laboratory** promotes advanced experimentation, research publications, and interdisciplinary innovation. The **Project Laboratory** enables students to design, develop, and implement practical projects, thereby improving their analytical and problem-solving skills. The **Centre for Institute Innovation, Incubation, Research & Entrepreneurship** supports students in transforming innovative ideas into real-time, deployable solutions. The **Centre of Excellence** offers industry-oriented training, certification programs, and collaborative projects in emerging technologies Together, these state-of-the-art facilities bridge the gap between theory and practice, foster innovation, and prepare students to effectively meet contemporary industry expectations.

A. Availability of Project laboratories/research Laboratories

Table No.7.5.1: List of project laboratory/research laborator

S. N	Name of the Laboratory
1	R&D Lab
2	Project Lab (AIDea Lab)

1. R&D Lab

The R&D (Research & Development) Lab is a modern facility designed to promote innovation and research among students and faculty. It is equipped with high-performance computing systems and specialized software tools for various domains, supporting simulation, modelling, and prototype development for academic and research projects. Internet-enabled resources provide access to online databases, coding platforms, and other research materials, encouraging hands-on learning, problem-solving, and application of theoretical knowledge. The lab facilitates collaboration on interdisciplinary research and innovative projects, fostering creativity, critical thinking, and technical skill development. It also supports the preparation of publications, funded proposals, and academic presentations.

- The Research Laboratory provides a dedicated environment for **advanced experimentation, analysis, and validation of data-driven models.**
- Students and faculty engage in **method development, performance evaluation, and exploration research** using contemporary analytical techniques.

Outcome:

- Supports **hands-on research exposure and practical understanding of advanced concepts**.
- Promotes **collaborative and interdisciplinary research activities** among students and faculty.

Utilization:

The Research Lab is focused on research and innovation, providing space for students and faculty to explore advanced technologies, test hypotheses, and develop solutions. It supports experiments that can lead to publications, patents, or collaborations with industry partners.

2. Project Lab (AIDea Lab)

The Project Laboratory in the IT department provides a dedicated environment for students to design, develop, and implement both mini and major projects that enhance their technical and problem-solving skills. Equipped with modern software tools, programming platforms, development boards, and high-performance systems, the lab enables students to work on real-time applications aligned with emerging technologies. Mini projects help students build foundational skills, explore new concepts, and gain hands-on experience, while major projects allow them to apply advanced knowledge to solve complex industry-oriented problems. Through continuous guidance from faculty, teamwork, documentation, and project reviews, students gain confidence in coding, experimentation, innovation, and presenting their work. The Project Laboratory ultimately strengthens students' employability, creativity, and readiness for internships, research, and professional careers in the computing industry.

Utilization:

Project Lab: The Project Lab is primarily used to give students hands-on experience with practical applications. It allows learners to build prototypes, work on mini-projects, and experiment with new ideas, fostering creativity, teamwork, and problem-solving skills essential for industry readiness.

B. Availability of Centre of excellence

Table No. 7.5.2: Availability of Centre of excellence

S. N	Name of the Laboratory
1	Centre for Institute Innovation Incubation Research & Entrepreneur (CIIIRE)
2	AIMER'S Society (CoE)

1. Centre for Institute Innovation Incubation Research & Entrepreneur (CIIIRE)

The Centre for Institutes Innovation, Incubation, Research and Entrepreneurship (CIIIRE) is dedicated to fostering innovation, supporting startup incubation, conducting cutting-edge research, and promoting entrepreneurial activities. Our centre provides a comprehensive ecosystem that includes mentorship, funding opportunities, workspace, and networking events. These resources are designed to help individuals and teams develop their ideas into viable businesses and scale them for success. CIIIRE aims to cultivate a dynamic environment where creativity thrives, innovations flourish, and entrepreneurs are empowered to make significant contributions to economic growth and societal well-being.

Utilization:

CIIIRE nurtures innovation and entrepreneurship by helping students and faculty transform ideas into viable products or startups. With mentorship, open-source tools, and industry engagement, it bridges the gap between research and real-world application.

2. AIMER's (COE)

The Artificial Intelligence Medical and Engineering Researchers Society (AIMER Society) functions as a Centre of Excellence (CoE) to promote interdisciplinary research, innovation, and advanced skill development in the domains of Artificial Intelligence, Medical Sciences, and Engineering. The CoE serves as a collaborative platform that brings together researchers, academicians, industry professionals, healthcare experts, and students to develop AI-driven solutions for real-world medical and engineering challenges.

As a Centre of Excellence, AIMER Society is equipped with advanced computing infrastructure, AI tools, research laboratories, and domain-specific software, supporting student projects, faculty research, certifications, and industry-oriented training. The CoE actively organizes conferences, workshops, faculty development programs (FDPs), expert lectures, hackathons, and hands-on training programs, fostering a strong research and innovation culture.

Utilization:

AIMER'S Society provides specialized Centre of Excellence in emerging technologies such as Python, AI, Machine Learning, and Immersive Technologies. It enables students to gain expertise in cutting-edge tools, work on collaborative projects, participate in workshops, and engage in research that enhances both employability and innovation skills.

C. Utilization of project Laboratories/research laboratory/Centre of excellence

Table No.7.5.3: Utilization of project Laboratories

S.No.	Name of the Laboratory / Centre	Facilities Available	Utilization	Relevance to POs/PSOs
1	Research Lab	Advanced computing systems, research software, datasets, journals access.	Faculty & student research, paper publications, funded project work.	PO1, PO2, PO4, PO5, PO12, PSO2
2	Project Lab	High-end computers, licensed software, development tools, internet, printer.	Final year mini & major projects, project reviews, prototype development.	PO1, PO2, PO3, PO5, PO9, PO10, PSO1
3	Innovation & Incubation Centre (CIIIRE)	Ideation space, mentoring support, startup tools, presentation facilities.	Product development, startups, hackathons, entrepreneurship activities.	PO3, PO6, PO8, PO9, PO10, PO11, PSO3
4	AIMERS Society – Centre of Excellence	Research platforms, medical & engineering datasets, expert interaction.	Interdisciplinary research, publications, conferences, workshops.	PO1, PO4, PO5, PO8, PO12, PSO2

D. Relevance to POs/PSOs

The laboratories and the corresponding relevance to POs, and PSOs are mentioned in table 7.5.3.

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)	540	27	33	16	110
2024-25(CAYm1)	660	33	37	19	101
2025-26(CAY)	840	42	40	19	85

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	50.00	12.59	50.00	41.90	800.00	794.93	200.00	195.76
Library	22.00	14.48	20.00	19.75	17.00	16.35	15.00	14.25
Laboratory equipment	52.48	34.22	47.71	46.67	41.47	40.34	38.12	37.53
Teaching and non-teaching staff salary	1254.00	835.79	1140.00	1139.71	857.00	855.66	627.00	624.92
Outreach Programs	16.50	7.22	15.00	9.85	12.00	11.97	10.00	9.89
R&D	17.61	10.96	16.01	14.95	14.15	13.02	12.80	12.00
Training, Placement and Industry linkage	24.75	14.63	22.50	19.95	20.25	17.16	18.23	16.30
SDGs	18.87	11.76	17.15	16.04	14.72	14.10	13.63	13.03
Entrepreneurship	8.25	5.02	7.5	6.85	6.25	6.15	5.00	4.98
Others, specify	194.06	122.07	176.48	166.47	146.23	140.4	139.82	133.38
Total	**1658.52**	**1068.74**	**1512.35**	**1482.14**	**1929.07**	**1910.08**	**1079.60**	**1062.04**

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	1.65	1.00	1.50	1.36	1.35	1.20	1.22	1.10
Software	0.83	0.33	0.75	0.45	0.68	0.39	0.61	0.36

SDGs	1.65	0.85	1.50	1.16	1.15	1.02	1.22	0.95
Support for faculty development	4.95	3.32	4.50	4.53	2.35	2.30	3.65	4.25
R & D	1.49	0.92	1.35	1.25	1.35	1.08	1.22	1.00
Industrial Training, Industry expert, Internship	1.76	1.20	1.60	1.64	1.44	1.47	1.30	1.36
Miscellaneous Expenses*	5.12	3.33	4.66	4.54	3.95	3.9	3.90	3.53
Total	**17.45**	**10.95**	**15.86**	**14.93**	**12.27**	**11.36**	**13.12**	**12.55**