

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Computer Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 1
Application No : 11648	Date of Submission : 23-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: Thapar Institute of Engineering and Technology (Deemed to be University)	
Year of Establishment : 1956-1994	Location of the Institute: Urban - Patiala
A2. Institute Address: THAPAR TECHNOLOGY CAMPUS ,BHADSON ROAD	
City:Patiala	State:Punjab
Pin Code:147004	Website:WWW.THAPAR.EDU
Email:REGISTRAR@THAPAR.EDU	Phone No(with STD Code):0175-2393122
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City:
State :	Pin Code: 0
A4. Type of the Institution: Deemed University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **19**
- No. of PG programs: **17**

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 in Computer Applications	1983	--	Computer Application
2	Engineering & Technology	PG	Artificial Intelligence	2025	--	Computer Science and Engineering
3	Engineering & Technology	UG	Artificial Intelligence and Data Science	2025	--	Computer Science and Engineering
4	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2024	2025	Computer Science and Engineering
5	Engineering & Technology	UG	Biomedical Engineering	2019	--	Electrical and Instrumentation Engineering
6	Engineering & Technology	UG	Biotechnology	2003	--	Biotechnology
7	Engineering & Technology	PG	Biotechnology	2012	--	Biotechnology
8	Engineering & Technology	PG	CAD/CAM	2000	2024	Mechanical Engineering
9	Engineering & Technology	UG	Chemical Engineering	1996	--	Chemical Engineering
10	Engineering & Technology	UG	Civil Engineering	1956	--	Civil Engineering
11	Engineering & Technology	UG	Civil Engineering with Computer Application	2023	--	Civil Engineering
12	Engineering & Technology	UG	Computer Engineering	1992	--	Computer Science and Engineering
13	Engineering & Technology	UG	Computer Science and Business System	2019	--	Computer Science and Engineering
14	Engineering & Technology	PG	Computer Science and Engineering	2005	--	Computer Science and Engineering

15	Engineering & Technology	UG	Computer Science and Engineering	2019	--	Computer Science and Engineering
16	Engineering & Technology	PG	Electric Vehicle Technology	2024	--	Electrical and Instrumentation Engineering
17	Engineering & Technology	UG	Electrical and Computer Engineering	2020	--	Electrical and Instrumentation Engineering
18	Engineering & Technology	UG	Electrical Engineering	1956	--	Electrical and Instrumentation Engineering
19	Engineering & Technology	UG	Electronics & Communication Engineering	1975	--	Electronics and Communication Engineering
20	Engineering & Technology	PG	Electronics & Communication Engineering	2000	2024	Electronics and Communication Engineering
21	Engineering & Technology	UG	Electronics & Computer Engineering	2015	--	Electronics and Communication Engineering
22	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2023	--	Electronics and Communication Engineering
23	Engineering & Technology	UG	Electronics Instrumentation & Control Engineering	1979	--	Electrical and Instrumentation Engineering
24	Engineering & Technology	PG	Environmental Science & Technology	2002	--	Energy and Environmental Engineering
25	Engineering & Technology	PG	Infrastructure Engineering	2011	2024	Civil Engineering
26	Engineering & Technology	PG	Mechanical Engineering	2024	--	Mechanical Engineering
27	Engineering & Technology	UG	Mechanical Engineering	1956	--	Mechanical Engineering
28	Engineering & Technology	UG	Mechatronics	2012	--	Mechanical Engineering
29	Engineering & Technology	PG	Power Systems	2006	2024	Electrical and Instrumentation Engineering
30	Engineering & Technology	UG	Robotics and Artificial Intelligence	2023	--	Mechanical Engineering
31	Engineering & Technology	PG	Software Engineering	2000	2024	Computer Science and Engineering
32	Engineering & Technology	PG	Structural Engineering	1971	--	Civil Engineering
33	Engineering & Technology	PG	Thermal Engineering	2010	2024	Mechanical Engineering
34	Engineering & Technology	PG	Transportation Engineering	2024	--	Civil Engineering
35	Engineering & Technology	PG	VLSI Design	2003	--	Electronics and Communication Engineering
36	Management	PG	Masters in Business Administration	2007	--	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
Electrical and Instrumentation Engineering	No	Electrical Engineering	UG

Computer Science and Engineering	No	Computer Engineering	UG
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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 APPROVAL DETAILS
1	Computer Engineering	UG	1992 / --	60	Yes	2006	960	2006	AICTE

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	Sanctioned Intake
2025-26	960
2024-25	960
2023-24	960
2022-23	897
2021-22	780
2020-21	780

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. Neeraj Kumar
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)	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)	960	960	960	897	780	780	750
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	960	960	960	897	774	740	750
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	48	61	58	33	30	23
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all	40	39	39	43	29	22	36

supernumerary quotas							
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	1000	1047	1060	998	836	792	809

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)	960	960	40	104.17
2024-25 (CAYm1)	960	960	39	104.06
2023-24 (CAYm2)	960	960	39	104.06

Average [(ER1 + ER2 + ER3) / 3] = 104.10≅ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	836.00	810.00	809.00
B=No. of students who graduated from the program in the stipulated course duration	807.00	781.00	799.00
Success Rate (SR)= (B/A) * 100	96.53	96.42	98.76

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 97.24

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)	8.13	8.16	7.75
Y=Total no. of successful students	999.00	999.00	940.00
Z=Total no. of students appeared in the examination	999.00	999.00	940.00
API [X*(Y/Z)]	8.13	8.16	7.75

Average API[(AP1+AP2+AP3)/3] : 8.01

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

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

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.82	7.63	7.55
Y=Total no. of successful students	1062.00	998.00	833.00
Z=Total no. of students appeared in the examination	1060.00	998.00	836.00
API [X * (Y/Z)]	7.83	7.63	7.52

Average API [(AP1 + AP2 + AP3)/3] : 7.66

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)	7.71	7.67	7.97
Y=Total no. of successful students	998.00	828.00	791.00
Z=Total no. of students appeared in the examination	998.00	833.00	793.00
API [X*(Y/Z)]:	7.71	7.62	7.95

Average API [(AP1 + AP2 + AP3)/3] : 7.76

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	828.00	810.00	809.00
X=No. of students placed	538.00	666.00	681.00
Y=No. of students admitted to higher studies	12.00	28.00	12.00
Z= No. of students taking up entrepreneurship	4.00	7.00	4.00
Placement Index(P) = $\frac{((X + Y + Z)/FS) * 100}{}$:	66.91	86.54	86.16

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 79.87 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)	CAY
1	Dr. Neeraj Kumar	XXXXXXXX80N	Ph.D	SMVDU, Jammu	Cyber Security	19/10/2011	14.4	Assistant Professor	Professor	04/09/2019	Regular	Ye
2	Dr. Seema Bawa	XXXXXXXX68K	Ph.D	TIET, Patiala	Quantum Computing, QAOA, NLP, Smart Parking, ML, DL	04/05/1999	26.9	Assistant Professor	Professor	12/10/2004	Regular	Ye
3	Dr. Maninder Singh	XXXXXXXX68F	Ph.D	TIET, Patiala	Network Security, Software Engineering, Parallel and Distributed Computing	19/06/1996	29.8	Assistant Professor	Professor	10/07/2017	Regular	Ye
4	Dr. Anil Kumar Verma	XXXXXXXX34G	Ph.D	TIET, Patiala	Computer Networks, Network Security, Wireless Networks	18/04/1996	29.10	Assistant Professor	Professor	10/07/2017	Regular	Ye
5	Dr. Inderveer Chana	XXXXXXXX31Q	Ph.D	TIET, Patiala	Cloud Computing, Energy-aware Computing and Software Engineering	28/11/1997	28.2	Assistant Professor	Professor	02/06/2016	Regular	Ye
6	Dr. Shalini Batra	XXXXXXXX09E	Ph.D	TIET, Patiala	Machine Learning and Big Data Analytics	21/02/2002	24	Assistant Professor	Professor	01/07/2022	Regular	Ye
7	Dr. Ajay Kumar	XXXXXXXX31A	Ph.D	TIET, Patiala	Quantum Computing, Theoretical Computer Science and Software Testing	12/04/2006	19.10	Assistant Professor	Professor	14/12/2023	Regular	Ye
8	Dr. Rinkle Rani	XXXXXXXX99M	Ph.D	Punjabi University, Patiala	Big Data Analytics, Machine Learning	24/02/2000	26	Assistant Professor	Professor	01/07/2023	Regular	Ye
9	Dr. Anju Bala	XXXXXXXX12B	Ph.D	TIET, Patiala	Cloud/Fog/Edge Computing, Big Data Analytics, IoT	22/05/2009	16.9	Assistant Professor	Professor	02/07/2025	Regular	Ye
10	Dr. V.P. Singh	XXXXXXXX25D	Ph.D	TIET, Patiala	Computer Networks, Computer Forensics and	03/03/1988	37.11	Assistant Professor	Associate Professor	10/07/2017	Contractual Fulltime	Ye

					Cyber Law							
11	Dr. Sushma Jain	XXXXXXX95N	Ph.D	TIET, Patiala	Networking, Data Analytics, Machine Learning	26/02/2002	23.11	Assistant Professor	Associate Professor	01/08/2019	Regular	Ye
12	Dr. Ravinder Kumar	XXXXXXX88M	Ph.D	Punjabi University, Patiala	Machine Learning	07/04/2006	19.10	Assistant Professor	Associate Professor	01/08/2019	Regular	Ye
13	Dr. Sharad Saxena	XXXXXXX84F	Ph.D	Uttarakhand Technical University	IOT WSN	24/06/2013	12.7	Assistant Professor	Associate Professor	13/03/2018	Regular	Ye
14	Dr. Rajiv Kumar	XXXXXXX22B	Ph.D	Punjabi University, Patiala	Image Processing, Design of Algorithms	31/08/2001	24.5	Assistant Professor	Associate Professor	13/03/2018	Regular	Ye
15	Dr. Ashima Singh	XXXXXXX65F	Ph.D	Punjabi University, Patiala	Applications of AI/ML, Computational Bioinformatics, Energy Management	12/05/2006	19.9	Assistant Professor	Associate Professor	01/07/2022	Regular	Ye
16	Dr. Sunita Garhwal	XXXXXXX26B	Ph.D	TIET, Patiala	Automata Theory, Software Engineering	11/07/2008	17.7	Assistant Professor	Associate Professor	01/07/2022	Regular	Ye
17	Dr. Maninder Kaur	XXXXXXX78A	Ph.D	Punjabi University, Patiala	Machine Learning and Big Data Analytics	15/07/2005	20.7	Assistant Professor	Associate Professor	01/08/2019	Regular	Ye
18	Dr. RajKumar Tekchandani	XXXXXXX35R	Ph.D	TIET, Patiala	Software Engineering and Data Mining	10/06/2009	16.8	Assistant Professor	Associate Professor	29/04/2025	Regular	Ye
19	Dr. Vinay Arora	XXXXXXX81A	Ph.D	TIET, Patiala	Software Engineering	17/07/2009	16.7	Assistant Professor	Associate Professor	01/07/2021	Regular	Ye
20	Dr. Vinod K. Bhalla	XXXXXXX28P	Ph.D	TIET, Patiala	Software Engineering, Semantic Web	12/10/2001	24.4	Assistant Professor	Associate Professor	01/07/2021	Regular	Ye
21	Dr. Rupali Bhardwaj	XXXXXXX18R	Ph.D	Banasthali University, Rajasthan	Information Retrieval, Mental Healthcare, Image Processing	31/05/2013	12.8	Assistant Professor	Associate Professor	01/09/2023	Regular	Ye
22	Dr. Ashutosh Mishra	XXXXXXX93R	Ph.D	IIT BHU, Uttar Pradesh	Empirical Software Engineering, Cognitive Computation	03/06/2013	12.8	Assistant Professor	Associate Professor	01/01/2026	Regular	Ye
23	Dr. Rajendra Kumar Roul	XXXXXXX23G	Ph.D	BITS, Pilani	Machine, Deep Learning, IoT	01/01/2018	8.1	Assistant Professor	Associate Professor	07/02/2025	Regular	Ye
24	Dr. Jhilik Bhattacharya	XXXXXXX25B	Ph.D	NIT, Durgapur	Image Processing	01/07/2013	12.7	Assistant Professor	Associate Professor	01/07/2021	Regular	Ye
25	Dr. Tarunpreet Bhatia	XXXXXXX40L	Ph.D	TIET, Patiala	Wireless Networks, Network Routing and Security and Machine Learning	16/06/2014	11.8	Assistant Professor	Associate Professor	01/04/2024	Regular	Ye
26	Dr. Karun Verma	XXXXXXX64J	Ph.D	TIET, Patiala	Machine Learning, Natural Language Processing, Human Computer Interfaces, Entrepreneurial Research	29/10/2004	21.3	Assistant Professor	Associate Professor	01/07/2021	Regular	Ye
27	Dr. Prashant S. Rana	XXXXXXX01N	Ph.D	IIITM, Gwalior	Machine Learning, Data Mining, Computational Biology	15/07/2015	10.7	Assistant Professor	Associate Professor	01/07/2021	Regular	Ye
28	Dr. Rajesh Mehta	XXXXXXX17C	Ph.D	GGSIPIU, New Delhi	Image Processing and Machine Learning	25/07/2017	8.6	Assistant Professor	Associate Professor	29/04/2025	Regular	Ye

29	Dr. Nidhi Kalra	XXXXXXX56M	Ph.D	TIET, Patiala	Theoretical Computer Science, Smartphone Sensors and Application of Formal Grammar In Biology	28/07/2017	8.6	Assistant Professor	Associate Professor	29/04/2025	Regular	Ye
30	Dr. Shailendra Tiwari	XXXXXXX77K	Ph.D	IIT BHU, Uttar Pradesh	Computer Vision, Biomedical Engineering, Gaming and Animation	15/07/2016	9.7	Assistant Professor	Associate Professor	29/04/2025	Regular	Ye
31	Dr. Shivendra Shivani	XXXXXXX97D	Ph.D	MNNIT, Allahabad	Multimedia Processing, Augmented and Virtual Reality, Game design and Development	25/07/2016	9.6	Assistant Professor	Associate Professor	29/04/2025	Regular	Ye
32	Dr. Sachin Kansal	XXXXXXX11R	Ph.D	IIT, Delhi	Robotics, Artificial Intelligence, Mechatronics	11/01/2021	5.1	Assistant Professor	Associate Professor	01/01/2026	Regular	Ye
33	Dr. Jatin Bedi	XXXXXXX75E	Ph.D	IIT, Roorkee	Machine Learning, Time Series Predictive Analytics	18/02/2021	5	Assistant Professor	Associate Professor	01/01/2026	Regular	Ye
34	Dr. Manju	XXXXXXX60K	Ph.D	Mody University, Rajasthan	Computer Networks, Wireless Sensor Networks	15/07/2017	8.7	Assistant Professor	Assistant Professor		Regular	Ye
35	Dr. Husanbir Singh Pannu	XXXXXXX10F	Ph.D	University of North Texas, United States	Machine Learning	17/07/2015	10.7	Assistant Professor	Assistant Professor		Regular	Ye
36	Dr. Sangita Roy	XXXXXXX41L	Ph.D	IIT, Patna	Network Security, Cryptography, Steganography, IoT, Image Processing	01/07/2016	9.7	Assistant Professor	Assistant Professor		Regular	Ye
37	Dr. Jasmeet Singh	XXXXXXX05E	Ph.D	Panjab University, Chandigarh	Natural Language Processing, Information Retrieval, Text Mining	07/08/2017	8.6	Assistant Professor	Assistant Professor		Regular	Ye
38	Dr. Harpreet Singh	XXXXXXX98H	Ph.D	TIET, Patiala	Machine Learning and Data Analytics	19/02/2018	8	Assistant Professor	Assistant Professor		Regular	Ye
39	Dr. Deep Mann	XXXXXXX27D	Ph.D	Punjabi University, Patiala	Software Engineering, Cloud Computing, Machine Learning	08/08/2017	8.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
40	Dr. Rohit Ahuja	XXXXXXX59E	Ph.D	IIITDM, Jabalpur	Blockchain, Machine Learning, Deep Learning	01/12/2017	8.2	Assistant Professor	Assistant Professor		Regular	Ye
41	Dr. Raman Kumar Goyal	XXXXXXX66C	Ph.D	Panjab University, Chandigarh	Wireless networks	10/07/2017	8.7	Assistant Professor	Assistant Professor		Regular	Ye
42	Dr. Deepshikha Tiwari	XXXXXXX69K	Ph.D	Jaypee University, Guna	Computer Vision, Dynamic Texture Recognition	01/06/2018	7.8	Assistant Professor	Assistant Professor		Regular	Ye
43	Dr. Sujata Rani	XXXXXXX42A	Ph.D	TIET, Patiala	Natural Language Processing	26/07/2018	7.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
44	Dr. Karamjeet Singh	XXXXXXX33N	Ph.D	Punjabi University, Patiala	Medical Image Processing, Machine Learning, IoT	03/11/2018	7.3	Assistant Professor	Assistant Professor		Regular	Ye
45	Dr. Manisha Kaushal	XXXXXXX95F	Ph.D	PTU, Jalandhar	Deep learning and computer vision	30/11/2018	7.2	Assistant Professor	Assistant Professor		Regular	Ye

46	Dr. Surjit Singh	XXXXXXXX35G	Ph.D	NIT, Kurukshetra	Computer Networks, Information Security and Blockchain Technology	25/07/2019	6.6	Assistant Professor	Assistant Professor		Regular	Ye
47	Dr. Sanjeev Rao	XXXXXXXX78D	Ph.D	TIET, Patiala	Databases, Machine Learning, NLP	01/08/2019	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
48	Dr. Tanya Garg	XXXXXXXX24C	Ph.D	SLIET, Longowal	Machine Learning, Data Mining and Big Data	05/08/2019	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
49	Dr. Amrita	XXXXXXXX21A	Ph.D	Punjabi University, Patiala	Medical Image Processing, Machine Learning, Deep Learning, Digital Image Processing	06/11/2019	6.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
50	Dr. Jaskirat Singh	XXXXXXXX44P	Ph.D	Panjab University, Chandigarh	Biomedical Signal Processing	03/08/2020	5.6	Assistant Professor	Assistant Professor		Regular	Ye
51	Dr. Amit Kumar Trivedi	XXXXXXXX07K	Ph.D	NIT, Silchar	Computer Vision(Biometric), Machine Learning	03/08/2020	5.6	Assistant Professor	Assistant Professor		Regular	Ye
52	Dr. Vaibhav Agarwal	XXXXXXXX86F	Ph.D	TIET, Patiala	Machine Learning	28/08/2020	5.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
53	Dr. Jayendra Barua	XXXXXXXX83H	Ph.D	IIT, Roorkee	Information Extraction, Information Retrieval, Text Mining, NLP	14/09/2020	5.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
54	Dr. Rohan Sharma	XXXXXXXX12B	Ph.D	IIT, Jodhpur	Network Theory, Quantum Computing	08/01/2021	5.1	Assistant Professor	Assistant Professor		Regular	Ye
55	Dr. Ashutosh Aggarwal	XXXXXXXX94E	Ph.D	Punjabi University, Patiala	Machine Learning, Image Processing	01/07/2016	9.7	Assistant Professor	Assistant Professor		Regular	Ye
56	Dr. Anil Singh	XXXXXXXX89B	Ph.D	IIT, Ropar	Cloud Computing, IoT, Edge AI, Federated Learning, Distributed Computing	18/01/2021	5.1	Assistant Professor	Assistant Professor		Regular	Ye
57	Dr. Suresh Chandra Raikwar	XXXXXXXX15D	Ph.D	IITM, Gwalior	Image Processing and Machine Learning	29/01/2021	5	Assistant Professor	Assistant Professor		Regular	Ye
58	Dr. Nitin Saxena	XXXXXXXX10P	Ph.D	MNNIT, Allahabad	Nature Inspired Optimization Techniques, Data Clustering	26/07/2016	9.6	Assistant Professor	Assistant Professor		Regular	Ye
59	Dr. Shivani Sharma	XXXXXXXX00J	Ph.D	IIT, Roorkee	Machine Learning and Data Mining	06/04/2021	4.10	Assistant Professor	Assistant Professor		Regular	Ye
60	Dr. Kuntal Chowdhury	XXXXXXXX54N	Ph.D	IIT(ISM), Dhanbad	Data Mining, Medical Image Analysis, Machine Learning	14/06/2021	4.8	Assistant Professor	Assistant Professor		Regular	Ye
61	Dr. Ravneet Kaur	XXXXXXXX32G	Ph.D	Panjab University, Chandigarh	Social Network Analysis and Mining, Machine Learning, Deep Learning	25/06/2021	4.7	Assistant Professor	Assistant Professor		Regular	Ye
62	Dr. Garima Singh	XXXXXXXX67Q	Ph.D	VNIT, Nagpur	Cryptography and Network Security	01/07/2021	4.7	Assistant Professor	Assistant Professor		Regular	Ye

63	Dr. Chinmaya Panigrahy	XXXXXXXX31R	Ph.D	IIITDM, Jabalpur	Image Processing and Fractal Dimension	14/07/2021	4.7	Assistant Professor	Assistant Professor		Regular	Ye
64	Dr. Ashima Anand	XXXXXXXX05R	Ph.D	NIT, Patna	Data Hiding Methods, Digital Image Processing, Information Security	27/08/2021	4.5	Assistant Professor	Assistant Professor		Regular	Ye
65	Dr. Nitigya Sambyal	XXXXXXXX93R	Ph.D	PEC, Chandigarh	Deep Learning, Computer Vision, IMAGE PROCESSING	31/08/2021	4.5	Assistant Professor	Assistant Professor		Regular	Ye
66	Dr. Vaibhav Pandey	XXXXXXXX11R	Ph.D	PEC, Chandigarh	Scheduling Theory, Optimization, Quantum Computing	01/09/2021	4.5	Assistant Professor	Assistant Professor		Regular	Ye
67	Dr. Seema Wazarkar	XXXXXXXX87B	Ph.D	NIT, Goa	Machine Learning, Soft Computing, Social Media Analytics	30/09/2021	4.4	Assistant Professor	Assistant Professor		Regular	Ye
68	Dr. Manish Kumar	XXXXXXXX51R	Ph.D	IIT(ISM), Dhanbad	Soft Computing and Computational Intelligence	02/12/2021	4.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
69	Dr. Tanu	XXXXXXXX03J	Ph.D	Panjab University, Chandigarh	Mobile Computing, Wireless Networks	24/01/2022	4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
70	Dr. Shruti Aggarwal	XXXXXXXX49H	Ph.D	NIT, Jalandhar	Data Mining and Software Engineering	08/02/2022	4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
71	Dr. Simranjit Kaur	XXXXXXXX43K	Ph.D	Panjab University, Chandigarh	Biomedical Signal Analysis, Medical Image Processing, Machine Learning	24/02/2022	3.11	Assistant Professor	Assistant Professor		Regular	Ye
72	Dr. Shubhra Dwivedi	XXXXXXXX82B	Ph.D	NIT, Raipur	Information Security	13/04/2022	3.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
73	Dr. Samya Muhuri	XXXXXXXX16E	Ph.D	IEST, Shibpur	Social Network Analysis	02/05/2022	3.9	Assistant Professor	Assistant Professor		Regular	Ye
74	Dr. Yadwinder Singh	XXXXXXXX32K	Ph.D	Punjabi University, Patiala	Computer Vision, Image Processing	04/05/2022	3.9	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
75	Dr. Jyoti	XXXXXXXX05E	Ph.D	IIIT, Delhi	SIGNAL PROCESSING AND MACHINE LEARNING	20/06/2022	3.8	Assistant Professor	Assistant Professor		Regular	Ye
76	Dr. Manisha Panjeta	XXXXXXXX57B	Ph.D	PEC, Chandigarh	Computer Networking, Optimization	30/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Ye
77	Dr. Anamika Sharma	XXXXXXXX24H	Ph.D	NIT, Hamirpur	Wireless Sensor Networks	30/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Ye
78	Dr. Anu Bajaj	XXXXXXXX68F	Ph.D	GJUST, Hisar	Nature-Inspired Algorithms and Image Processing, Applied AI	01/07/2022	3.7	Assistant Professor	Assistant Professor		Regular	Ye
79	Dr. Anjula Mehto	XXXXXXXX98R	Ph.D	IIITM, Gwalior	Wireless Sensor Network, IoT, Machine Learning	19/07/2022	3.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
80	Dr. Shashank Singh	XXXXXXXX08K	Ph.D	PEC, Chandigarh	Natural Language Processing, Artificial Intelligence	05/08/2022	3.6	Assistant Professor	Assistant Professor		Regular	Ye
81	Dr. Payal	XXXXXXXX98A	Ph.D	Panjab University,	Artificial Intelligence, Deep	21/09/2022	3.4	Assistant	Assistant		Regular	Ye

				Chandigarh	Learning, Computer Vision			Professor	Professor			
82	Dr. Sumit Sharma	XXXXXXXX35G	Ph.D	IIT, Roorkee	Algorithms, Design Automation and Optimization for Digital and Optical Systems	22/09/2022	3.4	Assistant Professor	Assistant Professor		Regular	Ye
83	Dr. Sumit Kumar	XXXXXXXX02C	Ph.D	UPES, Dehradun	Content-Centric Networks, Fog-Computing, Cloud-Computing	06/10/2022	3.4	Assistant Professor	Assistant Professor		Regular	Ye
84	Dr. Anurag Tiwari	XXXXXXXX32E	Ph.D	IIT BHU, Uttar Pradesh	High-Dimensional Data Modelling, Computational Neuroscience	10/10/2022	3.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
85	Dr. Saif Dilavar Nalband	XXXXXXXX78M	Ph.D	BITS, Pilani	Biomedical Signal Processing, Bioinformatics,HPC	19/10/2022	3.4	Assistant Professor	Assistant Professor		Regular	Ye
86	Dr. Swati Sharma	XXXXXXXX63D	Ph.D	PEC, Chandigarh	VANET, Networking	04/11/2022	3.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
87	Dr. Javed Imran	XXXXXXXX32E	Ph.D	IIT, Roorkee	Computer Vision, Machine Learning	15/12/2022	3.2	Assistant Professor	Assistant Professor		Regular	Ye
88	Dr. Aditi Sharma	XXXXXXXX87P	Ph.D	DTU, Delhi	Affective Computing, Text Summarization, Machine Learning	30/01/2023	3	Assistant Professor	Assistant Professor		Regular	Ye
89	Dr. Amrita Dahiya	XXXXXXXX23J	Ph.D	NIT, Kurukshetra	Cyber Security, Network Security, Intrusion Detection	01/02/2023	3	Assistant Professor	Assistant Professor		Regular	Ye
90	Dr. Jinee Goyal	XXXXXXXX73P	Ph.D	PEC, Chandigarh	Machine Learning, Deep Learning	01/03/2023	2.11	Assistant Professor	Assistant Professor		Regular	Ye
91	Dr. Jasleen Kaur	XXXXXXXX27H	Ph.D	TIET, Patiala	Blockchain Technologies, Information Security and Machine Learning	07/01/2019	4.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
92	Dr. Kashish Goyal	XXXXXXXX86H	Ph.D	TIET, Patiala	Machine Learning and Computer Vision	01/08/2019	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
93	Dr. Aashima Sharma	XXXXXXXX44C	Ph.D	TIET, Patiala	Blockchain Technologies & IoT networks	31/01/2018	8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
94	Dr. Paluck Arora	XXXXXXXX80F	Ph.D	TIET, Patiala	Image Registration and Deep Learning	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
95	Dr. Sumit Bansal	XXXXXXXX44J	Ph.D	Punjabi University, Patiala	Fog Computing, Cloud Computing, Fingerprint Recognition, Biometric Security	26/11/2024	1.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
96	Dr. Ravneet Kaur	XXXXXXXX81E	Ph.D	TIET, Patiala	Machine Learning, Image Processing	02/08/2014	11.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
97	Dr. Surabhi Sharma	XXXXXXXX59E	Ph.D	IIT, Roorkee	Internet of Things, Cloud Computing, Computer Networks, Distributed Systems	27/08/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
98	Dr. Shashank Sheshar Singh	XXXXXXXX89F	Ph.D	IIT BHU, Uttar Pradesh	Social Network Analysis	29/11/2021	4.2	Assistant Professor	Assistant Professor		Regular	Ye
99	Dr. Yashwant Singh Patel	XXXXXXXX56H	Ph.D	IIT, Patna	Cloud Computing, Edge Computing, Distributed	30/06/2021	3.10	Assistant Professor	Assistant Professor		Regular	Ni

					Systems, Deep Learning							
100	Dr. Swati Kumari	XXXXXXXX31Q	Ph.D	TIET, Patiala	Cloud Computing, Quantum Cryptography, Compact Coding	02/01/2017	7.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
101	Dr. Sumana Maiti	XXXXXXXX87B	Ph.D	IIT, Kharagpur	Network Security	05/04/2021	3.3	Assistant Professor	Assistant Professor		Regular	Ni
102	Dr. Sonu Lamba	XXXXXXXX35P	Ph.D	NIT, Jaipur	Machine Learning, Image Processing	14/06/2021	3.6	Assistant Professor	Assistant Professor		Regular	Ni
103	Dr. Nitish Andola	XXXXXXXX00H	Ph.D	IIIT, Allahabad	Blockchain	12/12/2022	1.8	Assistant Professor	Assistant Professor		Regular	Ni
104	Dr. Rahul Nijhawan	XXXXXXXX31C	Ph.D	IIT, Roorkee	Machine Learning and Image Processing	17/04/2023	2.10	Assistant Professor	Assistant Professor		Regular	Ye
105	Dr. Arun Singh Pundir	XXXXXXXX86M	Ph.D	IIT, Roorkee	Machine Learning, Deep Learning	18/07/2023	2.7	Assistant Professor	Assistant Professor		Regular	Ye
106	Dr. Mandeep Kaur	XXXXXXXX59D	Ph.D	GNDU, Amritsar	Cloud Computing, Machine Learning, Blockchain	27/09/2023	2.4	Assistant Professor	Assistant Professor		Regular	Ye
107	Dr. Mansi Sharma	XXXXXXXX44D	Ph.D	IIT, Delhi	Computer Vision, Computational Imaging and Photography, Machine Learning and	07/12/2023	2.2	Assistant Professor	Assistant Professor		Regular	Ye
108	Dr. Saurabh Arora	XXXXXXXX47R	Ph.D	IIT BHU, Uttar Pradesh	Computer Vision and Image Processing	08/01/2024	2.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
109	Dr. Suresh Kumar	XXXXXXXX43R	Ph.D	IIT, Madras	AI, Knowledge Representation, Ontologies, NLP, ML, Cyber Security	25/08/2025	0.5	Assistant Professor	Assistant Professor		Regular	Ye
110	Dr. Vishal Mehra	XXXXXXXX88Q	Ph.D	GNDU, Amritsar	Social Media, Natural Language Processing	05/06/2024	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
111	Dr. Himanshu Gauttam	XXXXXXXX18R	Ph.D	ABV-IIITM, Gwalior	Edge Intelligence	25/09/2025	0.4	Assistant Professor	Assistant Professor		Regular	Ye
112	Dr. Nitin Arora	XXXXXXXX09C	Ph.D	IIT, Roorkee	Image Processing and Machine Learning	15/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Ye
113	Dr. Vibha Jain	XXXXXXXX19R	Ph.D	NSUT, Delhi	Fog/Edge Computing, Blockchain	15/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Ye
114	Dr. Manpreet Singh	XXXXXXXX62M	Ph.D	NIT, Kurukshetra	Machine Learning, Software Defect Prediction	25/09/2025	0.4	Assistant Professor	Assistant Professor		Regular	Ye
115	Dr. Gurugubelli V Eswara Rao	XXXXXXXX21G	Ph.D	MNNIT, Allahabad	Quantum Machine Learning, Medical Imaging, Computer Vision, AI and Machine	24/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
116	Dr. Nidhi Chakravarty	XXXXXXXX40H	Ph.D	NIT, Kurukshetra	Speech and Image Processing, Audio Spoof Detection, Audio Signal Processing,	29/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
117	Dr. Kapil Rana	XXXXXXXX36P	Ph.D	IIT, Ropar	Multimedia Forensics, Computer Vision, Image Processing	01/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Ye
					Active Learning,							

118	Dr. Ritesh Sharma	XXXXXXXX27F	Ph.D	IIT BHU, Uttar Pradesh	Data Centric AI, Incremental learning, Graph Neural Networks, Machine Learning	05/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Ye
119	Dr. Ashima Khosla	XXXXXXXX99P	Ph.D	PEC, Chandigarh	Machine Learning, EEG Signal Processing, Healthcare	08/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
120	Dr. Sourav Roy	XXXXXXXX58N	Ph.D	NIT, Durgapur	Network Security, Cryptography, Internet of Things, Digital Logic and Computer	20/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Ye
121	Dr. Ananya Pandey	XXXXXXXX46H	Ph.D	DTU, Delhi	Computer Vision, Multimodal Data Analysis, Deep Learning, Sentiment Analysis	21/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Ye
122	Dr. Jaspinder Kaur	XXXXXXXX67P	Ph.D	IIT, Ropar	Cache Side Channel Attacks, Microarchitectural Security, Computer Architecture	30/08/2024	1.5	Assistant Professor	Assistant Professor		Regular	Ye
123	Dr. Manisha Malik	XXXXXXXX51A	Ph.D	Panjab University, Chandigarh	Internet of Things, Network Security, Lightweight Cryptography	10/09/2024	1.5	Assistant Professor	Assistant Professor		Regular	Ye
124	Dr. Satbir Singh	XXXXXXXX56L	Ph.D	NIT, Jalandhar	Computer Vision, AI (ML, DL, Gen AI), Information Fusion	04/12/2024	1.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
125	Dr. Komal Bharti	XXXXXXXX22D	Ph.D	IIT, Guwahati	Speech Processing, Pathological speech	10/12/2024	1.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
126	Dr. Subhrendu Chattopadhyay	XXXXXXXX90Q	Ph.D	IIT, Guwahati	Operating Systems, Distributed Systems, Computer Networks	01/01/2025	1.1	Assistant Professor	Assistant Professor		Regular	Ye
127	Dr. Ravneet Kaur	XXXXXXXX16A	Ph.D	TIET, Patiala	Machine Learning, Deep Learning	31/01/2020	6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
128	Dr. Jyoti	XXXXXXXX92E	Ph.D	IIT, Mandi	Parallel and Distributed Systems	15/01/2025	1.1	Assistant Professor	Assistant Professor		Regular	Ye
129	Dr. Vaishali Kansal	XXXXXXXX27N	Ph.D	IIT, Roorkee	Data Modelling, Epidemiology, Data Privacy, Social Network Analysis	20/01/2025	1.1	Assistant Professor	Assistant Professor		Regular	Ye
130	Dr. Sanju Kumari Singh	XXXXXXXX28R	Ph.D	TIET, Patiala	Artificial Intelligence, Machine Learning and Big Data	24/02/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
131	Dr. Abhishek Kesarwani	XXXXXXXX73Q	Ph.D	NIT, Durgapur	Image Processing, Machine Learning, Deep Learning	17/03/2025	0.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
132	Dr. Arzoo Miglani	XXXXXXXX01H	Ph.D	TIET, Patiala	Blockchain, Smart grid, Content centric networks	22/01/2019	5.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
133	Dr. Harpreet Singh	XXXXXXXX47M	Ph.D	GNDU, Amritsar	Recommender Systems	01/12/2021	2.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni

134	Dr. Maggi Bansal	XXXXXXXX88Q	Ph.D	TIET, Patiala	Machine Learning, Deep Learning	25/08/2025	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
135	Dr. Lokendra Vishwakarma	XXXXXXXX77L	Ph.D	IIT, Jodhpur	Blockchain, Cryptocurrency, Network Security, Smart Cities	28/05/2024	1.2	Assistant Professor	Assistant Professor		Regular	Ni
136	Dr. Vivek Sethi	XXXXXXXX79L	Ph.D	IIT, Ropar	Vehicular ad-hoc Networks, Internet of Things	07/08/2023	1.11	Assistant Professor	Assistant Professor		Regular	Ni
137	Dr. Ranjeet Kumar Ranjan	XXXXXXXX06Q	Ph.D	JNU, Delhi	Data Warehousing, Machine Learning, Soft Computing, Cyber Security	16/08/2022	1.11	Assistant Professor	Assistant Professor		Regular	Ni
138	Dr. Sumit Kumar	XXXXXXXX38A	Ph.D	IIIT, Allahabad	Image Processing and Machine Learning	09/02/2023	1.10	Assistant Professor	Assistant Professor		Regular	Ni
139	Dr. Manisha Singh	XXXXXXXX79J	Ph.D	IIT BHU, Uttar Pradesh	Internet of Things, Services Management	24/07/2023	1.4	Assistant Professor	Assistant Professor		Regular	Ni
140	Dr. Parateek Kumar	XXXXXXXX72R	Ph.D	TIET, Patiala	NLP and Machine Learning	14/12/2004	19.6	Assistant Professor	Professor		Regular	Ni
141	Dr. Sumit Kumar Varshney	XXXXXXXX35P	Ph.D	IIT(ISM), Dhanbad	Image Processing, Object Detection, Cloud, and Data Security	11/07/2023	2.7	Assistant Professor	Assistant Professor		Regular	Ye
142	Dr. Simran Setia	XXXXXXXX17G	Ph.D	IIT, Ropar	Human Computer Interaction, Data Science, E-learning	25/07/2023	2.6	Assistant Professor	Assistant Professor		Regular	Ye
143	Dr. Mahak Gambhir	XXXXXXXX21P	Ph.D	Panjab University, Chandigarh	Natural Language Processing, Deep Learning	03/11/2023	2.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
144	Dr. Himika Sharma	XXXXXXXX93L	Ph.D	Panjab University, Chandigarh	Machine Learning	03/11/2023	2.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
145	Dr. Brahmadesam Venkataramaiyer Raghav	XXXXXXXX25E	Ph.D	IIT, Kanpur	Computer Vision/ Computer Graphics	22/11/2023	2.2	Assistant Professor	Assistant Professor		Regular	Ye
146	Dr. Stuti Chug	XXXXXXXX21Q	Ph.D	BITS, Pilani	Brain Computer Interface, Machine Learning and Artificial Intelligence	01/07/2024	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
147	Dr. Ravi Kant	XXXXXXXX40Q	Ph.D	BITS, Pilani	Theoretical Computer Science, Combinatorial Optimization	08/07/2024	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
148	Dr. Lovi	XXXXXXXX40E	Ph.D	NIT, Jalandhar	Adversarial Machine Learning	16/10/2025	0.4	Assistant Professor	Assistant Professor		Regular	Ye
149	Mr. Sumit Miglani	XXXXXXXX94J	M.Tech	IIITM, Allahabad	Operating System, Wireless Communication	07/07/2008	17.7	Assistant Professor	Assistant Professor		Regular	Ye
150	Dr. Vijay Kumari	XXXXXXXX65D	Ph.D	BITS, Pilani	Machine Learning, Artificial Intelligence, Natural Language Processing, Deep Learning	31/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
151	Dr. Ashish Bajaj	XXXXXXXX69N	Ph.D	DTU, Delhi	Adversarial Machine Learning, Deep Learning, and Natural Language Processing	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye

152	Dr. Shabnam Bawa	XXXXXXXX83R	Ph.D	TIET, Patiala	Machine Learning, Deep Learning and Fog Computing	02/07/2018	7.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
153	Dr. Sanjeev Kumar Guleria	XXXXXXXX46F	Ph.D	TIET, Patiala	Data Mining	29/08/2008	17.5	Assistant Professor	Assistant Professor		Regular	Ye
154	Dr. Guralp Singh Chhabra	XXXXXXXX01L	Ph.D	TIET, Patiala	Cyber Forensics with Machine Learning., Network/IoT Security	29/09/2010	15.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
155	Dr. Harkiran Kaur	XXXXXXXX09J	Ph.D	Punjabi University, Patiala	Software Engineering, Social Network Analysis, Intelligent Databases, Information Retrieval Systems	16/06/2014	11.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
156	Dr. Sandeep Verma	XXXXXXXX25E	Ph.D	NIT, Jalandhar	IOT WSN	01/04/2025	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
157	Ms. Gursimran Kaur	XXXXXXXX64K	M.Tech	Punjabi University, Patiala	Natural Language Processing AI/ML	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
158	Ms. Abhishelly Sharma	XXXXXXXX01N	M.Tech	TIET, Patiala	Network Security	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
159	Ms. Ananya Kaim	XXXXXXXX90A	M.Tech	TIET, Patiala	Machine, Learning, Deep Learning, Quantum Computing	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
160	Ms. Damini Arora	XXXXXXXX48P	M.Tech	TIET, Patiala	Cloud Computing	22/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
161	Ms. Diksha Arora	XXXXXXXX61A	M.Tech	TIET, Patiala	Deep Learning, Image Processing	01/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
162	Ms. Ishpreet Kaur	XXXXXXXX68L	M.Tech	TIET, Patiala	Machine learning, Deep Learning	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
163	Ms. Nishu	XXXXXXXX16J	M.Tech	TIET, Patiala	Image Processing, Pulse Coupled Neural Network	01/08/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
164	Ms. Shabnam Thakur	XXXXXXXX60D	M.Tech	TIET, Patiala	Computer vision, image processing, Deep learning	15/01/2024	2.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
165	Sukhpal Singh	XXXXXXXX29F	M.Tech	TIET, Patiala	AI-driven neurodegenerative disease analysis	29/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
166	Mr. Krishan Kumar	XXXXXXXX29M	M.Tech	Panjab University, Chandigarh	Machine Learning, Deep Learning, Computational Intelligence Techniques	01/07/2020	5.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
167	Dr. Durgesh Singh	XXXXXXXX39N	Ph.D	Indian Statistical Institute, Kolkata	Wireless networks, Mobile computing, Edge computing, Federated Machine Learning	06/03/2023	2.11	Assistant Professor	Assistant Professor		Regular	Ye
168	Dr. Chandramohan Dhasarathan	XXXXXXXX51D	Ph.D	Pondicherry University, Puducherry	Pervasive and Ubiquitous Computing, Blockchain Technology, Cyber Security, Privacy Preserving	15/11/2021	4.3	Assistant Professor	Assistant Professor		Regular	Ye
169	Dr. Deepak Kumar Rakesh	XXXXXXXX21J	Ph.D	IIT(ISM), Dhanbad	Machine learning, natural language processing, image	01/01/2025	1.1	Assistant Professor	Assistant Professor		Regular	Ye

					processing							
170	Dr. Saurabh Sharma	XXXXXXX91Q	Ph.D	Punjab University, Chandigarh	Artificial Intelligence, Machine Learning	05/08/2021	4.6	Assistant Professor	Assistant Professor		Regular	Ye
171	Dr Ashu Sharma	XXXXXXX57L	Ph.D	IIT, Roorkee	SATELLITE IMAGING	22/10/2022	3.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
172	Dr Ram Kishan Dewangan	XXXXXXX34J	Ph.D	IIITM, Gwalior	Robotics and AI	01/11/2021	2.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
173	Dr Ankit Soni	XXXXXXX53J	Ph.D	BITS, Pilani	Robotics and AI	14/06/2024	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
174	Shruti Arora	XXXXXXX46R	M.E.	TIET, Patiala	BIOMEDICAL SIGNAL	01/09/2015	10.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
175	Ms. Namrata Dimari	XXXXXXX25N	M.E.	TIET, Patiala	Computer vision, image processing, Deep learning	31/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
176	Ms. Reaya Grewal	XXXXXXX49H	M.E.	TIET, Patiala	Machine Learning and Image Processing	01/06/2020	5.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
177	Mr. Divjot Singh	XXXXXXX41E	M.E.	TIET, Patiala	Cognitive Computation	25/07/2022	3.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
178	Ms. Kanupriya	XXXXXXX50M	M.E.	Chitkara University, Rajpura	Computational Intelligence Techniques	25/07/2022	3.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
179	Dr. Jasmine Kaur	XXXXXXX99P	Ph.D	TIET, Patiala	Cloud Computing	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
180	Archana Singh	XXXXXXX99G	M.Tech	IGDTU, Delhi	Artificial Intelligence	22/07/2022	3.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
181	Ms. Nisha Thakur	XXXXXXX93A	M.Tech	Kurukshetra University, Kurukshetra	Deep Learning, Intelligent Transportation System	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
182	Ms. Reeta	XXXXXXX55C	M.Tech	PTU, Jalandhar	Machine Learning	02/09/2021	4.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
183	Mr. Rajesh Kumar Chaudhary	XXXXXXX79R	M.Tech	Bahra University, Himachal Pradesh	Machine Learning, Deep Learning, Federated Learning, NIO Techniques	04/08/2020	5.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
184	Ms. Harshim	XXXXXXX00F	M.E.	TIET, Patiala	Artificial Intelligence	24/07/2023	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
185	Ms. Riya Sharma	XXXXXXX82F	M.Tech	TIET, Patiala	Intelligent Battery Management Systems	30/12/2023	2.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
186	Ms. Pragya Mishra	XXXXXXX12B	M.E.	Banasthali University, Rajasthan	Machine Learning and Image Processing.	02/09/2021	3.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
187	Divisha Garg	XXXXXXX80K	M.E.	TIET, Patiala	Machine Learning, Image Processing	01/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
188	Madhu Yadav	XXXXXXX30J	M.Tech	LNMIIT, JAIPUR	Machine Learning, Image Processing	11/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
189	Ms. Kudratdeep Aulakh	XXXXXXX14P	M.Tech	Chitkara University, Rajpura	Smart Education System	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
190	Ms. Navpreet	XXXXXXX80L	M.Tech	Punjabi University, Patiala	Machine Learning, Image Processing	22/07/2022	2.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
191	Anushka	XXXXXXX56B	M.Tech	Uttarakhand Technical University, Dehradun	Wireless networks, Mobile computing, Edge computing, Federated Machine Learning	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye

192	Tanvi Mehtani	XXXXXXXX11H	M.Tech	PEC, Chandigarh	Machine Learning, Image Processing	17/08/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
193	Suchita Sharma	XXXXXXXX73N	M.Tech	TIET, Patiala	Machine Learning, Image Processing	02/08/2021	3.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
194	Govind Ram chimpa	XXXXXXXX20L	M.E.	TIET, Patiala	Machine Learning, Image Processing	31/07/2019	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
195	Varunpreet Singh	XXXXXXXX46R	M.Tech	Punjabi University, Patiala	Deep Learning	01/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
196	Seema	XXXXXXXX12A	M.Tech	BGIET, Sangrur	Wireless networks, Mobile computing, Edge computing, Federated Machine Learning	31/12/2024	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
197	Juiley Sangram Raut	XXXXXXXX12H	M.Tech	University of Mumbai, Mumbai	VISION AND ROBOTICS	31/12/2024	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
198	Abhishek Vyas	XXXXXXXX74F	M.Tech	BITS, Pilani	Machine Learning, Image Processing	23/09/2024	1.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
199	Dr. Harcharan Jit Singh	XXXXXXXX73L	Ph.D	TIET, Patiala	ERP Deployment	26/10/2004	21.4	Assistant Professor	Assistant Professor		Regular	Ye
200	Kirtika	XXXXXXXX92K	M.Tech	Punjabi University, Patiala	Machine Learning	06/01/2025	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
201	Bharti	XXXXXXXX51B	M.Tech	Banasthali Vidyapith, Rajasthan	Biomedical Signal Processing, Machine Learning	02/08/2021	4.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
202	Shveta Verma	XXXXXXXX49F	M.Tech	TIET, Patiala	Image Processing	25/07/2022	2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
203	Dr. Anupam Garg	XXXXXXXX47N	Ph.D	PTU, Jalandhar	Machine Learning, Image Processing	01/08/2019	6.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
204	Shifali Goyal	XXXXXXXX56L	M.Tech	Yadwindra College of Engineering, Talwandi Sabo	Deep Learning	06/01/2025	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
205	Akashdeep Kaur	XXXXXXXX60K	M.Tech	Central University of Punjab, Bathinda	Cloud Computing, Quantum Cryptography, Compact Coding	07/01/2019	6.3	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
206	Archana Kumari	XXXXXXXX91K	M.Tech	SLIET, Longowal	Computer Networks	24/02/2021	4.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
207	Isha Pathania	XXXXXXXX89A	M.Tech	Chandigarh University, Punjab	Machine Learning, Image Processing	22/08/2023	1.11	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
208	Dr. Neenu Garg	XXXXXXXX47G	Ph.D	TIET, Patiala	Cloud Computing, Information Security, Security and privacy in digital systems, E2EE, Cyber bullying	03/12/2018	7.2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
209	Jyoti Rani	XXXXXXXX26F	M.Tech	Shri Ram College of Engineering and Management, Palwal	Edge Computing	02/08/2021	2.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Ni
210	Raghuvveer Singh Dhaka	XXXXXXXX85H	M.Tech	Central University of Rajasthan,	Medical Image Processing, Wireless Sensor Networks, Machine	04/01/2022	4.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye

				Ajmer	Learning							
211	Ashish Aggarwal	XXXXXXXX17G	M.E.	BITS, Pilani	Image Processing	27/05/2009	16.8	Assistant Professor	Assistant Professor		Regular	Ye
212	Ms. Shivani Goswami	XXXXXXXX70K	Ph.D	NIT, Jalandhar	Data Mining and Machine Learning	27/05/2024	1.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
213	Mr. Abdul Kadir	XXXXXXXX84J	Ph.D	IIT, Roorkee	Mobile Security, Android Malware, Machine Learning, Deep Learning	01/07/2024	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
214	Mr. Tushar Semwal	XXXXXXXX68D	M.Tech	NIT, Jalandhar	Mobile Ad-hoc Networks, Computer Networks, AI ML in Medical Domain	22/07/2024	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
215	Ms. Priya Raina	XXXXXXXX20P	M.E.	Panjab University, Chandigarh	Machine Learning, Deep Learning	15/07/2024	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
216	Mr. Kapil Tomar	XXXXXXXX10R	M.Tech	Shobit University, Meerut	AI ML in Public Health, Algorithms	26/07/2024	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
217	Ankur Gupta	XXXXXXXX69L	M.Tech	MMU, MULLANA	Deep Learning, Generative AI, Diffusion Model	06/01/2025	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
218	Deepak Sharma	XXXXXXXX29A	M.E.	TIET, Patiala	Machine Learning, Deep Learning, Artificial Intelligence	06/01/2025	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
219	Mr. Kamalakannan K	XXXXXXXX29B	M.Sc	Cochin University of Science and Technology, Kerala	Machine Learning, Deep Learning, Generative AI	28/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
220	Mr. Parteek Saini	XXXXXXXX28E	M.E.	TIET, Patiala	Machine Learning, Artificial Intelligence	01/01/2025	1.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye
221	Mrinalini Kakroo	XXXXXXXX75B	M.Tech	Jammu University, Jammu	Deep Learning and Image Segmentation	24/01/2024	2	Assistant Professor	Assistant Professor		Contractual Fulltime	Ye

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 Department5 No. of PG Programs in the Department3

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	0	0	0

UG1.C	0	0	0
UG1.D	0	0	0
UG1: Artificial Intelligence and Data Science	0	0	0
UG2.B	127	0	0
UG2.C	0	0	0
UG2.D	0	0	0
UG2: Artificial Intelligence and Machine Learning	127	0	0
UG3.B	60	69	69
UG3.C	69	69	60
UG3.D	69	60	60
UG3: Computer Science and Business System	198	198	189
UG4.B	386	263	222
UG4.C	263	222	196
UG4.D	222	196	193
UG4: Computer Science and Engineering	871	681	611
UG5.B	1008	1021	955
UG5.C	1021	955	813
UG5.D	955	813	810
UG5: Computer Engineering	2984	2789	2578
PG1.A	30	0	0
PG1.B	0	0	0
PG1: Artificial Intelligence	30	0	0
PG2.A	90	90	60
PG2.B	90	60	60
PG2: Computer Science and Engineering	180	150	120
PG3.A	0	0	0
PG3.B	0	0	18
PG3: Software Engineering	0	0	18
DS=Total no. of students in all UG and PG programs in the Department	4390	3818	3516
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= 4390	S2= 3818	S3= 3516
DF=Total no. of faculty members in the Department	192	175	156
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= 192	F2= 175	F3= 156
FF=The faculty members in F who have a 100% teaching load in the first-year courses	11	10	10
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 24.25	SFR2= 23.14	SFR3= 24.08
Average SFR for 3 years	SFR= 23.82		

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)	147	45	219.00	18.84
2024-25(CAYm1)	121	54	190.00	18.76
2023-24(CAYm2)	115	41	175.00	18.77

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	24.00	9.00	48.00	20.00	146.00	73.00
2024-25	21.00	8.00	42.00	15.00	127.00	76.00
2023-24	19.00	8.00	39.00	14.00	117.00	73.00
Average	RF1=21.33	AF1=8.33	RF2=43.00	AF2=16.33	RF2=130.00	AF2=74.00

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	Dr. Sanjeev Bedi	Professor	University of Waterloo	ELC	100.00
2	Dr. A. J. Aard	Professor	University of Groningen	Innovation and Entrepreneurship	75.00
3	Prof. Tim Miller	Professor	University of Queensland	AI	50.00
4	Mr. Nitesh Bansal	Industry Faculty	Futures First Info Services Pvt Ltd.	Financial Derivatives EFB	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Sanjeev Bedi	Professor	University of Waterloo	ELC	100.00
2	Dr. A. J. Aard	Professor	University of Groningen	Innovation and Entrepreneurship	75.00
3	Mr. Nitesh Bansal	Industry Faculty	Futures First Info Services Pvt Ltd.	Financial Derivatives EFB	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Sanjeev Bedi	Professor	University of Waterloo	ELC	100.00
2	Dr. A. J. Aard	Professor	University of Groningen	Innovation and Entrepreneurship	75.00
3	Mr. Nitesh Bansal	Industry Faculty	Futures First Info Services Pvt Ltd.	Financial Derivatives EFB	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	No. of peer reviewed journal papers published	186	225	202
2	No. of peer reviewed conference papers published	112	67	72

3	No. of books/book chapters published	10	11	10
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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. Karun Verma	Ram Fishman, Soumya Balasubramania, and Poolad Karimi	Department of Computer Science and Engineering	Novel approaches to incentivizing reduction in groundwater use	IGC, London School of Economics	1 Year	42.88
Dr. Nidhi Kalra	Dr. Rinkle Rani	Department of Computer Science and Engineering	An AI-Based Smartphone Application to Detect and Predict Highway Maintenance	Global Infra Solutions, Bhopal	2 year	5.55
Dr. Anil Singh	Dr. Amit kumar chauhan, Dr. seema Wazrakar	Department of Computer Science and Engineering	LITD 0269 Study of criteria for symmetric-key ciphers for possible inclusion in IS/ISO/IEC 18033 series	Bureau of Indian Standards	6 months	6.10
Dr Jatin Bedi	NA	Department of Computer Science and Engineering	AI Driven Insights into global hydrogen incidents for enhanced safety and risk management	MNRE, GOI	2 Years	10.80
Dr Mansi Sharma	NA	Department of Computer Science and Engineering	Next Generation Data Driven Fourier Ptychographic Phase Microscopy for Automatic Diagnostic Imaging of Red Blood Cells	ANRF PMECRG	3 Years	45.60
Dr Rupali Bhardwaj	NA	Department of Computer Science and Engineering	Saksham: Two Way Communication Framework for Speech and Hearing Impaired People	CSIR	3 years	21.42
Dr. Rajesh Mehta	NA	DCSE	AI-Driven Rib Fracture Segmentation, Detection, and Classification: A Computer-Aided Framework for Enhanced Clinical Decision Support Using Chest X-Ray/CT Imaging	Sanjivani Hospital, Sirsa	2 Years	5.05
Dr Sachin Kansal	NA	DCSE	A Load Sensor-Based Smart Basket System And An Associated Method Thereof.mp4	Department of Science and Technology	2 Years	12.00
						Amount received (Rs.):149.40

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr Debabrata Ghosh	Dr Kuntal Chowdhury, Dr Samya Muhuri	Department of Electronics and Communication Engineering (DECE)	Development of an ultrasound-based medical imaging methodology with adaptive image processing algorithms for noninvasive early diagnosis of cancer: an in vitro study	Ministry of Education (MoE)	3 Years	34.22
Dr. Amit Kumar	Dr Ashima Anand, Dr. Prashant Singh Rana, Dr. Mukesh Singh	Department of Computer Science and Engineering	Enhancing Electric Vehicle Security: AI-Powered Detection and Prevention of Cyber Attacks	C3iHub, IIT Kanpur	3 years	36.17
Dr		Department of	AI Driven Quality Control and Predictive	Arham Health		

Tarunpreet Bhatia	NA	Computer Science and Engineering	Maintenance in Lamitubes Manufacturing and Hygiene	1 year	2.36	
Dr Ajay Kumar	Dr Sunita Garhwal	CSE	A framework for finding bug patterns, quality assurance and benchmarking of gate based quantum computing	Meity	2 Years	17.93
						Amount received (Rs.):90.68

(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 Neeraj Kumar	Jhilik Bhattacharya, Tarunpreet Bhatia	DCSE	AI Enabled Secure Federated Deep Reinforcement Learning for Open RAN	United Kingdom Research Innovation	6 months	3.50
Dr Jhilik Bhattacharya	NA	DCSE	Manageable AI for scene understanding tasks from low light noisy images	Department of Science and Technology	3 years	4.50
						Amount received (Rs.):8.00

Total Amount (Lacs) Received for the Past 3 Years: 248.08**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. Maninder Singh	NA	DCSE	Wireless network design and deployment	CMS	1 Year	5.70
						Amount received (Rs.):5.70

(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. Maninder Singh	NA	DCSE	Wireless network	CMS	1 Year	12.80
Dr. Maninder Singh	NA	DCSE	CBHE Project OPEN-ASIA: Boosting engagement of HEIs in Open Science in India and Malaysia	Erasmus+	3 Year	26.38
						Amount received (Rs.):39.18

(CAYm3)

Total amount (Lacs) received for the past 3 years: 44.88**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. Anu Bajaj	Design and Development of Automatic Quantification of Human Tissues Images	2 year	7.95	3.95	Ongoing
Dr. Karun Verma	Reducing Water Demand in Crops Cultivation, Punjab, India	1 Year	53.30	45.00	Developed Devices from Collection of Irrigation Data
Dr. Harpreet Singh-II	Developing a Learning Material Recommender Framework based on Knowledge Tracing	2 years	8.95	1.20	Ongoing
Dr. Saif Nalband	FlexiKnee: A Low-Cost, Non-Invasive Diagnostic System for Knee-Joint Disorders	2 years	6.77	6.20	PoC Developed, 1 Journal Published, and ongoing
Dr. Simranjit Kaur	study of brain white matter connectivity in subjects with and without problem behavior	2 years	5.30	5.00	Ongoing
Dr. Tarunpreet Bhatia	AI-Driven Dura Cut Trajectory Planning System for Safe and Precise Brain Tumor Surgery	2 years	13.20	3.42	Ongoing, Reasearch paper in Conference
Dr. Simran Setia	AI Chatbot to Increase Resilience among People	2 years	12.40	2.00	Ongoing
Dr. Simranjit Kaur	ThermoXAI: Explainable Deep Learning for Breast Cancer Detection Using Thermal Imaging	2 years	17.65	12.00	1 SCI Journal Published
			Amount received (Rs.): 125.52		

(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. Sharad Saxena	Vehicle Traffic Monitoring System for TIET Campus	1 year	8.10	8.10	Developed a Prototype for Speed monitoring for TIET
Dr. Samya Muhuri	Quantum-enhanced Social Network Analysis: Unveiling Novel Insights through Quantum Machine Learning	2 years	5.50	3.95	Ongoing
Dr. Anamika Sharma	A Leafy Green Crop Growth Monitoring and Disease Detection in Aquaponics using Deep Learning	2 years	5.50	4.20	Ongoing
Dr. Mansi Sharma	Visual Inference and Privacy Preserving Deep learning Techniques for Lensless	3 Years	8.00	7.50	Ongoing
Dr. Tarunpreet Bhatia	Timetable Management System for TIET	3 years	16.65	13.00	Ongoing
Dr. Tarunpreet Bhatia	Development of mobile/computer application for real-time monitoring of PhD progress	1 year	4.08	3.80	Website and Mobile app
			Amount received (Rs.): 47.83		

(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
Seema Wazarkar	Federated learning for prediction of cardiovascular disease	2 years	5.90	5.72	Developed a prototype of Assistive System for cardiovascular disease prediction in the elderly
Karun Verma	DIGITAL VILLAGE: A DATA-DRIVEN APPROACH TO PRECISION AGRICULTURE	2 years	97.81	34.08	Developed and Deployed a 7-in-1 soil sensor. Collected Data for irrigation, disease, weeds 3 season of rice crop
Sushma Jain, Jhilik	Integrated smart crop monitring and irrigation	1 Year	14.81	14.81	Develop model for water requirement estimation for wheat and rice crops using climate data

Bhattacharya					
Amit Kumar Trivedi	A study on Biometric Fusion using Gait and Fingerprint	2 years	6.66	6.66	Develop fusion model for Gait and Fingerprint feature
			Amount received (Rs.): 125.18		

Total amount (Lacs) received for the past 3 years : 298.53

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	Gaming and Animation Lab (L002)	30	Apple iMac Machine, Intel Core i7 Processor, RAM 16GB DDR3 1867 MHz, Screen 27", Graphics Card AMD	18 hours per w	Mr. Deevam R.	Lab Techniciar	MCA, Diploma
2	Data structure and Algorithm Lab-I (L004)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display 28" Full HD	38 hours per w	Mr. Deevam R.	Lab Techniciar	MCA, Diploma
3	Data Structure and Algorithm Lab-II (L005)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display 28" Full HD	35 hours per w	Mr. Deevam R.	Lab Techniciar	MCA, Diploma
4	Programming Lab-I (L007)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display 28" Full HD	38 hours per w	Mr. Manan Dh.	Lab Attendant	Post Graduate
5	Programming Lab-II (L008)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display 28" Full HD	38 hours per w	Mr. Manan Dh.	Lab Attendant	PGDCA
6	Programming Lab-III (L010)Programming Lab-III	30	HP ProOne 800 G5, All-in-One, Processor i7-8700 6 Core 65W, RAM 16GB, 1TB SSD, 28" Full HD Display	36 hours per w	Mr. Manan Dh.	Lab Attendant	PGDCA
7	Programming Lab-IV (L011)	30	HP ProOne 800 G5, All-in-One, Processor i7-8700 6 Core 65W, RAM 16GB, 1TB SSD, 28" Full HD Display	38 hours per w	Mr. Manan Dh.	Lab Attendant	PGDCA
8	Machine Learning Lab (L009)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display 28" Full HD	35 hours per w	Mr. Manan Dh.	Lab Attendant	PGDCA
9	Engineering Design Lab-I (L101)	28	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	28 hours per w	Mr. Rakesh Ku	Lab Techniciar	M.Sc.IT, Diplor
10	Network System Lab-I (L102)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	35 hours per w	Mr. Rakesh Ku	Lab Techniciar	M.Sc.IT, Diplor
11	Network System Lab-II (L103)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	35 hours per w	Ms. Amandeep	Associate (Lab	PGDCA
12	Software Engineering Lab-I (L104)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	34 hours per w	Ms. Amandeep	Associate (Lab	PGDCA
13	Software Engineering Lab-II (L105)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	35 hours per w	Ms. Amandeep	Associate (Lab	PGDCA
14	System Software Lab-1 (L201)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	34 hours per w	Mr. Amrinder S	Lab Attendant	Diploma in Co
15	System Software Lab-2 (L202)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	34 hours per w	Mr. Amrinder S	Lab Attendant	Diploma in Co
16	Database Management System Lab-I (L206)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB, DDR4 2400, SSD 128GB	35 hours per w	Mr. Amrinder S	Lab Attendant	Diploma in Co

17	Data Base Management System Lab-2 (L207)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB DDR4 2666, SSD	35 hours per w	Mr. Amrinder S	Lab Attendant	Diploma in Co
18	Programming Lab- V (L208)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB DDR4 2666, SSD	34 hours per w	Mr. Gagandeej	Lab Techniciar	B.Tech (IT), MC
19	Engineering Design Lab-2 (L209)	28	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB DDR4 2666, SSD	28 hours per w	Mr. Gagandeej	Lab Techniciar	B.Tech (IT), MC
20	Data Science Lab (L308)	30	Dell Precision 3630 Tower CTU based, Processor: Intel Core-i7-8700 4.6GHz 6 Core 12 MB Cache, RAM 8GB DDR4 2666	34 hours per w	Mr. Malinder S	Jr. Lab Technic	10+2 Diploma
21	PG Research Lab (L313)	30	Dell OptiPlex 7440 All-in-One, Intel Core-i7-6700 4 Core 8 MB Cache, RAM 8GB DDR4 2400MHz, RAM	34 hours per w	Mr. Malinder S	Jr. Lab Technic	10+2 Diploma
22	Artificial Intelligence Lab (L307)	30	Dell OptiPlex 7440 All-in-One, Intel Core-i7-6700 4 Core 8 MB Cache, RAM 8GB DDR4 2400MHz, RAM	34 hours per w	Mr. Gursev Sir	Lab Attendant	I.T.I.
23	Embedded System Lab-I (L401)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display: 23.8" FHD	32 hours per w	Mr. Kalam Singh	Lab Attendant	Matric
24	Embedded System Lab-II (L402)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display: 23.8" FHD	30 hours per w	Mr. Kalam Singh	Lab Attendant	Matric
25	Information Security Lab-I (L408)	30	HP ProOne 400 G4, All-in-One, Processor Intel i7-8700T 6 Core 12 MB Cache, RAM 8GB DDR4 2666, SSD	31 hours per w	Mr. Kalam Singh	Lab Attendant	Matric
26	Information Security Lab-II (L409)	30	Dell Precision 3620, Intel i7-6700 4 Core 8 MB Cache Processor, 16GB DDR4 RAM, 4TB SATA HDD, 5.1" HD	30 hours per w	Mr. Hariom Sh	Lab Techniciar	PGDCA, Diplo
27	Computer Graphics Lab – I (L429)	27	Apple iMac Machine, Intel Core i7 Processor, RAM 16GB DDR3 1867 MHz, Camera: 720, Graphics Card: AMD	34 hours per w	Mr. Hariom Sh	Lab Techniciar	PGDCA, Diplo
28	Computer Graphics Lab – II (L430)	30	Acer Veriton MT Desktop, Processor i7-12700, RAM 16 GB DDR4 3200 MHz, SSD NVMe 512 GB, Display: 23.8" FHD	34 hours per w	Mr. Hariom Sh	Lab Techniciar	PGDCA., Diplc
29	Software Design Lab (L501)	30	Lenovo ThinkStation P3 Tower: Processor 13th Gen Intel(R) Core(TM) i7-13000/34, 32GB, 32MB	34 hours per w	Mr. Gagandeej	Lab Techniciar	B.Tech. (IT), M

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Engineering Design Lab I (L101)	Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat, Soldering Iron Stand, Protection Gloves
2	Engineering Design Lab II (L209)	Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat, Soldering Iron Stand, Protection Gloves
3	Autonomous Robotic Research Lab (L315)	Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat, Soldering Iron Stand, Protection Gloves
4	Embedded System Lab I (L401)	Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat, Soldering Iron Stand, Protection Gloves
5	Embedded System Lab I(L402)	Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat, Soldering Iron Stand, Protection Gloves
6		Discharge Plate, Anti-static wrist strap, Safety Glasses, Heat-Resistant mat,

	PG Activity II (L410)	Soldering Iron Stand, Protection Gloves
7	Data Structures LAB-I, Data Structures LAB-II, Programming LAB I, Programming LAB II,	<p>The details of the electricity safety measures in laboratories are mentioned below.</p> <ul style="list-style-type: none"> • Each Distribution Board (DB) is provided with an ELCB on each phase. The incomer is protected by an MCB (overcurrent and short circuit), and individual single-phase MCBs are provided for each outgoing feeder. • Each lab has a separate MCB in each circuit for overload and short circuit protection & ELCB 63A 100mA for leakage current. • The computer machines in all computer labs have a dedicated centralised UPS supply. There are 03 UPS for each 120KVA capacity and they are configured in a 1-master and 2-slave arrangement. • Each laboratory is equipped with a ceiling-mounted, water-cooled AHU of double-skin construction with 50 mm thick insulated panels. The AHU is of the draw-through type and is provided with a pre-filter (MERV-8) and fine filters (MERV-13) in the supply air stream. The building is provided with the fire safety measures as per the NBC 2016, which are mentioned below. • Addressable fire alarm panel in the building with smoke detectors and manual call points. • Fire extinguishers of the dry chemical type and CO₂-based for a general and electrical fire. • Fire escape routes. • Fire staircase with a panic bar and fire doors with a fire rating of up to 02 hours. • Manual call point for fire alarms at the various locations of the building. • Fire tender ramp at the learning centre with a capacity of up to 40 tonnes of the vehicle. • Fire sprinklers in the corridors and under the ramp

D3. Project Laboratory/Research Laboratory

There are eight research and industrial project liaison labs namely Language Technology and Machine Learning Research LAB, Cyber and Information Security Research Lab, Cloud and IoT Research Lab, Smart Cities Research Lab, Artificial Intelligence Lab, Data Science Lab, High Performance Computing Lab, Autonomous Robotics Research Lab, Computer Vision Research Lab, Computational Intelligence Research Lab. Additionally, there are four dedicated labs for PhD students (Doctoral Research Lab (I to IV)) having Dell workstation T-5610 Intel Xeon e5 2650 2.6GHz RAM 8GB, 2GB NVIDIA Card GPU computing workstation machines. The TIET-UQ Center of Excellence Data Science & Artificial Intelligence nurture foundational and research in data science and artificial intelligence. The TIET Data Center host 12 high end Server machines that provide the centralized services to the students. The supercomputing NVIDIA workstation and server caters to the high computational requirements of the students.

Table No. 7.5.1: List of Project/Research Laboratories

Sr. No.	Name of the Lab	Room No	Equipment Details	Utilization
1.	Language Technology and Machine Learning Research LAB	L003	Hardware (Dell Pro Tower Plus):Processor Intel(R) Core(TM) Ultra 9 285(R) (13 TOPS NPU, 24 cores, 36MB Cache, up to 5.6GHz Turbo, 65W), Chipset (Q870 Integrated Graphics), Memory(32GB: 1 × 32GB, DDR5, up to 5600 MT/s, non-ECC), Storage(512GB 1st M.2 2280 SSD), Wireless (MediaTek Wi-Fi 6 MT7920, 802.11ax, MU-MIMO, Bluetooth(R)), Display(Dell Pro 24" FHD), Ports(RJ45 1Gbps, HDMI 2.1, USB 2.0 and 3.2 Gen 2 Type-A & Type-C), Keyboard & Mouser(Dell Wired USB keyboard & Optical Mouse), PSU(260W) Software: Windows 11 Pro Qty:30	Project Purpose (40 hours per week)
2.	Cyber and Information Security Research Lab	L301	Hardware (Dell Pro Tower Plus):Processor Intel(R) Core(TM) Ultra 9 285(R) (13 TOPS NPU, 24 cores, 36MB Cache, up to 5.6GHz Turbo, 65W), Chipset (Q870 Integrated Graphics), Memory(32GB: 1 × 32GB, DDR5, up to 5600 MT/s, non-ECC), Storage(512GB 1st M.2 2280 SSD), Wireless(MediaTek Wi-Fi 6 MT7920, 802.11ax, MU-MIMO, Bluetooth(R)), Display(Dell Pro 24" FHD), Ports(RJ45 1Gbps, HDMI 2.1, USB 2.0 and 3.2 Gen 2 Type-A & Type-C), Keyboard & Mouser(Dell Wired USB keyboard & Optical Mouse), PSU(260W) Software: Windows 11 Pro Qty:30	Project Purpose (40 hours per week)
3.	Cloud and IoT Research Lab	L302	Hardware (HP ProOne 400 G4, All-in-One): Processor: Intel core i7-8700T 6 core 12 MB cache, RAM: 8GB DDR4-2666 MHz SDRAM, SSD 250GB, HDD 1TB 7200rpm SATA, Display: Full HD 23.8" IPS Wide Non-Touch. Qty:27	Research Purpose (33 hours per week)
4.	Capstone Projects Lab	L306	Hardware: Raspberry Pie, Pie Cam, Ardu Cam, Arduino, Mega Arduino, Gas Sensor, ESP-32, Robotic Arm, Ultrasonic sensor, Motion capture sensor, ECG Kit, Heart rate sensor, Ph sensor, Soil moisture sensor.	Capstone Projects (20 hours per week)

5.	High Performance Computing Lab	L312	<p>Hardware (Lenovo ThinkStation P3 Tower): Processor 13th Gen Intel(R) Core(TM) i9-13900(24 cores, 36MB Cache, up to 5.6GHz Turbo, 65W), Chipset (Intel UHD Graphics 770), Memory(32GB: 1 × 32GB, DDR5, up to 5600 MT/s, non-ECC), Storage(1TB SSD), Display(Lenovo 24" FHD), Ports(RJ45 1Gbps, HDMI 2.1, USB 2.0 and 3.2 Gen2 Type-A & Type-C), Keyboard & Mouser(Lenovo Wired USB keyboard & Optical Mouse), PSU(750W). Software: Windows 11 Pro</p> <p>Qty:30</p>	Research Purpose (20 hours per week)
6.	Autonomous Robotics Research Lab	L315	<p>Hardware (Apple Mac Pro): Intel Xeon E5 3.5 GHz 6 Core 12MB Cache Processor, 16GB of 1866MHz DDR3 ECC RAM, 1 TB Flash Storage, Dual AMD FirePro D300 GPU 2GB GDDR5, Dual-Gigabit Ethernet, Wi-Fi 802.11 ac, Bluetooth 4.0, 1 HDMI 1.4 Ultra HD, 4×USB 3.0, 6×Thunderbolt 2, Combined optical digital audio output/analog line out mini-jack 3.5mm headphone jack with headset support HDMI port supports multi-channel audio output Built-in speaker, Display: Dell 27-inch Ultra HD (3840×2160).</p> <p>Qty:10</p> <p>Apple iMac Machine, Intel Core i7 Processor, 16GB DDR3 1867 MHz RAM, AMD Radeon R9 M395 2GB Graphics Card, 27-inch Retina 5K Non-Touch Display, 2TB Storage.</p> <p>Qty:3</p> <p>Robotic Arm Kit, Jetson Nano kit, Arduino board</p> <p>Qty:30</p>	Capstone and Research Purpose (20 hours per week)
7.	Computer Vision Research Lab	L403	<p>Hardware (Dell Workstation T7810): Processor (Intel Xeon E5-2650v3 25MB Cache), RAM (DDR3 8GB 2133MHz), HDD (500 GB 7200rpm), DVD/RW, Graphics Card (NVIDIA Quadro K2200 4GB), Display (Wacom Cintiq 22" HD DTK 2200 Touch with Stylus), Dell Wired USP Keyboard & Optical Mouse.</p> <p>Qty:20</p> <p>Nvidia Jetson Nano Dev Kits (GPU:128-core NVIDIA Maxwell™, CPU: Quad-core ARM@ A57 @ 1.43 GHz, RAM: 2 GB 64-bit LPDDR4 25.6 GB/s, Storage: 128 GB microSD Class 10, Display: HDMI, Ports: Gigabit Ethernet, 802.11ac wireless, USB 3.0 Type A, 2 USB 2.0 Type A, USB 2.0 Micro-B), Microprocessor Kit</p> <p>Qty:20</p>	ME thesis and Research Purpose (40 hours per week)
8.	Computational Intelligence Research Lab	L531	<p>Hardware Server Machines with GPU computing facility</p> <p>Qty:2</p> <p>Screens LED Qty:5</p> <p>Printer Epson Qty:1</p> <p>Hardware (Lenovo Think-station workstation P520): Intel Xeon 2245 32 GB RAM 1TB HDD 512 SSD NVIDIA Quadro RTX 4000 16 GB Lenovo 23.8" inch LED monitor Qty:1</p> <p>Hardware (Dell OptiPlex 7010): Intel i7-3770 4 core 8GB Cache Processor, DDR3 6GB RAM, 500GB 7200rpm SATA HDD, 8×DVD/R+W, 18.5-inch Non-Touch LCD Display, USB 2.0 Connectors (2), USB 3.0 Connectors (2), RJ45 LAN, USB Keyboard, USB Mouse. Qty:3</p> <p>Hardware (Lenovo Think-station S30): Intel Xeon E5 1600 V2 Processor 4 GB DDR3 RAM 500 GB HDD 7200 rpm NVIDIA Quadro 600 Graphic card Qty:1</p> <p>Dell AIO 9020 Intel core i5 4570 S Quadcore 2.9 Ghz CPU GB 1600 MHZ DDR3 RAM 500 GB SATA HDD 23" LED display Qty:2</p> <p>Printer: HP Laserjet 1536 DNF Qty:1</p> <p>Printer: Canon image class MF4570 DNF Qty:1</p>	Project Purpose (56 hours per week)
9.	Doctoral Research Lab I	L404	<p>Hardware (Dell workstation T-5600): Processor Intel Xeon e5 2650 2.6GHz, RAM - DDR3 8GB 1600MHz, HDD - SATA 500GB @7200RPM, Graphics 2GB Nvidia Card GPU Computing, DVD/RW - 8× DVD ROM, N/W - 1Gbps, LCD - 19", Windows 10</p> <p>Qty:2</p>	Project Purpose (56 hours per week)

10.	Doctoral Research Lab II	L405	Hardware (Dell workstation T-5600): Processor Intel Xeon e5 2650 2.6GHz, RAM - DDR3 8GB 1600MHz, HDD - SATA 500GB @7200RPM, Graphics 2GB Nvidia Card GPU Computing, DVD/RW - 8x DVD ROM, N/W - 1Gbps, LCD - 19", Windows 10 Qty: 9	Project Purpose (56 hours per week)
11.	Doctoral Research Lab III	L406	Hardware (Dell workstation T-5600): Processor Intel Xeon e5 2650 2.6GHz, RAM - DDR3 8GB 1600MHz, HDD - SATA 500GB @7200RPM, Graphics 2GB Nvidia Card GPU Computing, DVD/RW - 8x DVD ROM, N/W - 1Gbps, LCD - 19", Windows 10. Qty: 2	Project Purpose (56 hours per week)
12.	Doctoral Research Lab IV	L407	Hardware (Dell workstation T-5600): Processor Intel Xeon e5 2650 2.6GHz, RAM - DDR3 8GB 1600MHz, HDD - SATA 500GB @7200RPM, Graphics 2GB Nvidia Card GPU Computing, DVD/RW - 8x DVD ROM, N/W - 1Gbps, LCD - 19", Windows 10. Qty:2	Project Purpose (56 hours per week)
13.	Proton Bio System Lab	Sixth Floor	Hardware: Blood Extraction Device, Sleep Apnea Detection Device, Vein Findel	Project Purpose (56 hours per week)
14.	Center of Excellence Data Science & Artificial Intelligence	A block, First Floor	HP AIO, Processor Intel i5 13Gen, RAM 8GB, HDD 1TB, Display 24", USB 3.2, 1 HDMI, RJ45 10/100/1000 Gigabit ethernet, Bluetooth 5, WiFi 802.11ax, Wired Keyboard and Mouse. Qty:2 Digital Android display kiosk, Display size: 32 inch FHD Armored Glass, Panel IPS, OS: Android, Processor quad-core, Audio: Two 10w speakers, Connectivity: 2 USB, 2 HDMI, WIFI, Ethernet RJ45. iPad and Accessories	Project Purpose (56 hours per week)

Additionally, the Data center (L115) of the computer department houses the high-performance computational resources (Servers and storage devices) which are shared among research scholars to solve their research problems. These resources are available twenty-four seven to the students. The detail of the servers is as follows

Sr. No.	Equipment Details	Qty.	Software Details	Utilization
1.	HP Proliant Server ML350e: GEN8, 1xIntel Xeon E52407(2.2GHZ/4-core/10MB/ 80 W) Processor Kit with 18.5" TFT	2	Linux	Cloud Infrastructure as service.
2.	HP Proliant DL180 G6(590638- 371): G6 E5620 1P 8GB- R P410/256 BBWC/ (1) Intel Xeon E5620(2.40 GHZ/ 4 Core/ 12 MB/ 80W)/ 8MB shared L3 cache/ 8GB (2x4GB) PC3-10600R-9(RDIMM)	1	Window 2008 server	Cloud Platform as Service
3.	IBM SERVER X3650M4 XEON ES 2650 06 CORE,2.0Ghz,1333MhzFSB/16GB RAM DDR3/3x300 GB HDD/DVDW/ WITH 19" TFT.	1	Linux (CENTOS)	Database Server and Web Server.
4.	IBM SERVER X 5450 DUAL CORE 3.2 Ghz/2x2MB L2 CACHE/ 4 GB RAM/300GB SCSI HDD/CDW/WITH 19" TFT/ WINDOWS 2008 ENTERPRISE EDITION.	1	Window 2008 server	Domain Controller, File Server.
5.	HP DL380 GEN9 12LFF CTO SERVER 3x16GB, XHP 6TB HDD, 1xHP 4TB, 1x P840/4G RAID CARD WITH RAIL KIT, DVD WRITER.	1	Window 2010 server	Autonomic Cloud Services.
6.	IBM SERVER X 3650 DUAL CORE 3.2 Ghz/2x2MB L2 CACHE/4GB RAM/300GBSCSI HDD/1066FSB/CDW/WITH 17" FLAT LCD WITH WINDOWS 2003 R2 ENTERPRISE EDITION (DATABASE SERVER).	1	Window server 2003 (R2) Enterprise edition	File server, (Database Server) Rational Rose License Server
7.	IBM SERVER X 3650 DUAL CORE 3.2 Ghz/2x2MB L2 CACHE/4GB RAM/300GBSCSI HDD/1066FSB/CDW/WITH 17" FLAT LCD WITH LINUX (FILE SERVER).	1	Linux (CENTOS)	NIS, NFS Server, Apache Server.
8.	HP P4300 G2 6TB SAS Storage with Support Plug 1.0 Large System support/Tech Installation StartUp/LTC	1	Storage Device	Provide the storage capacity to the servers

9.	DELL POWER EDGE R720 SERVER 2*INTEL XEON E5-2670(15M CACHE ,2.6Ghz) 24GB DDR3 1600Mhz RAM 2x1 TB SAS, HOT PLUG/4.1 GB ETHERNET PORT/NFINEBAND-SINGLE PORT QDR ADAPTER	8	Linux	LMS, Web and File Services
10.	MASTER NODE DELL POWER EDGE RT20 2* INTEL XEON PROCESSOR E2560/16GB DDR3 RAM/1600Mhz/500GB SAS HOT PLUG/4x1 GB ETHERNET PORT/2x1GB NVIDIA TESLA M SERIES GP/DVDRW	1	Linux	LMS, Web and File Services
11.	Nvidia DGX workstation 256 GB 32G- 4xtesla v100 TF10PS*(GP FP16)-500, GPU memory 128 GBTotal Nvidia Tensor cores-2560,Nvidia Cuda cores 20.480, CPU Intel XEON-E5-2698 V4 2.2 Ghz(20 core),System memory256 GB RDIMM DDR4, storage 3 x 1.92 TB, SSD RAI 0.60 1x1.92 TB, SSD.Network-Dual 10 GB LAN Accoustics<35 DB.	1	Linux (UBUNTU)	NVIDIA GPU CUDA Programming, Deep Learning Model training
12.	NVIDIA DGX A2530A P2ED100 Server: Processor: AMD EPYC 7742, 64-Core, RAM: DDR4 1TB 3200MHz, HDD: 30TB, GPU: 8 x 40GB A100-SXM4	1	Linux (UBUNTU)	Conversational AI, Deep Learning model training

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)	2895	145	149	43	88
2024-25(CAYm1)	3210	160	169	49	91
2025-26(CAY)	3390	170	196	60	99

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 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up //	3000000000	2950000000	1200000000	1110171000	2000000000	1801854000	2500000000	2448668000
Library //	75000000	71500000	55000000	54198000	50000000	46316000	40000000	30822000
Laboratory equipment //	800000000	730000000	900000000	860759000	200000000	192803000	80000000	78862000
Teaching and non-teaching staff salary	2760000000	2710000000	2350000000	2346570000	2100000000	2087843000	1850000000	1827908000
Outreach Programs //	11000000	10903000	10000000	9901000	9500000	9105000	9000000	8950000
R&D //	180000000	175200000	150000000	142550000	130000000	129312000	120000000	111200000
Training, Placement and Industry linkage	25000000	24500000	24000000	23406000	15000000	14182000	8000000	7437000
SDGs //	20000000	18750000	17500000	17066000	14000000	13617000	12000000	11550000
Entrepreneurship //	10000000	9850000	9000000	8960000	8500000	8440000	8000000	7840000
Others, specify //	2400000000	2365520000	2350000000	2314155000	2000000000	1861793000	1100000000	1050522000

Total	928100000	9066223000	7065500000	6887736000	6527000000	6165265000	5727000000	5583759000
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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 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment //	223174396	203646636	246064473	235335788	56119403	54099946	24092744	23750024
Software //	6974200	6709180	6561719	6110601	5611940	5202269	5420867	5372682
SDGs //	5579360	5230650	4784587	4665929	3928358	3820890	3613912	3478390
Support for faculty development	769951666	756003266	642501679	641563900	589253731	585842513	557144697	550491486
R & D //	50214239	48875193	41010745	38973878	36477612	36284561	36139116	33488914
Industrial Training, Industry expert,	6974200	6834716	6561719	6399317	4208955	3979427	2409274	2239722
Miscellaneous Expenses*	9484912	9818837	10115984	10605105	11785075	12322418	13552168	13663597
Total	1072352973	1037118478	957600906	943654518	707385074	701552024	642372778	632484815