



ANNUAL REPORT 2024-25

**Indian Institute of Information Technology
Allahabad**

Annual Report 2024-25



Indian Institute of Information Technology Allahabad

(An Institute of National Importance, MoE, GoI)

Devghat, Jhalwa, Prayagraj-211015, Uttar Pradesh, INDIA

Phone: +91-532-2922025, Email: contact@iiita.ac.in

Visitor

Her Excellency Mrs. Droupadi Murmu
President of India



Chairman, IIIT Council
Hon'ble Shri Dharmendra Pradhan
Minister of Education, Government of India



Chairman, BoG
Prof. Mukul S. Sutaone



(21.03.2024 to 18.12.2024)

Director
Prof. Mukul S. Sutaone



Advisory Board : Prof. Manish Goswami, Dean (Academics & Research)
Dr. Mandar Subhash Karyakarte, Registrar
Dr. Shiv Ram Dubey, Faculty In-Charge (IRGL)

Compiled By : Sh. Rajendra Kumar Jena, Joint Registrar (Library)
Sh. Sarvesh Kumar Mishra, Junior Superintendent (Library)

Copyrights : Indian Institute of Information Technology Allahabad, Prayagraj

All rights reserved by the Institute and no part of this publication is allowed for reproduction, store in a retrieval system or for transmission, in any form or by any means, without the prior permission in writing of IIIT Allahabad.

Annual Report 2024-25: At a Glance

Departments

Academic Departments	04
-----------------------------	----

Grants

Amount in Lakh

MoE	8943.00
Others	4287.00
DST/ SERB, etc. (For Research Project)	350.58
Research and Consultancy (Including Workshop)	266.87
Total	13847.45

Sanctioned (Approved) Intake (2024-25)

UG [4 Years Programs]	439
PG [2 Years Programs]	294
PG-Ph.D. (Dual Degree Programs)	21
Research Scholars (Ph.D.)	780

Total Actual Student Strength (2024-25)

UG [4 Years Program]	432
PG [2 Years Programs]	212
PG-Ph.D. (Dual Degree Programs)	13
Research Scholars (Ph.D.)	51

Number of Graduands (20th Convocation)

UG [4 Years Program(s)]	440
PG [2 Years Program(s)]	176
Dual Degree Program(s) [B.Tech. – M.Tech.]	01
Dual Degree Program(s) [M.Tech. & Ph.D.]	07
Dual Degree Program(s) [MBA & Ph.D.]	01
Research Scholars (Ph.D.)	23
M.Tech. by Research	01
Total	649

Faculty / Staff Strength

Faculty in Position	78
Non-Teaching Staff in Position	
● Group A	15
● Medical Officers [On Contract]	02
● Group B Staff	42
● Group C Staff	17

IIITA Publications (2001 – May 2025) (from SCOPUS as on May 30, 2025)

Total Publications	Articles	Conference Papers	Miscellaneous Publications	Total Citations	Highest Citation	Average Citation
3644	1689	1591	364	41425	1302	11

IPR

Number of Patents Published	12
Number of Patents Granted	00

Consultancy Projects

Amount in Lakh

Number of Active Projects	05
Outlay (₹)	187.80

Sponsored Research Projects**Amount in Lakh**

Number of Active Projects	69
Outlay (₹)	2523

Rankings 2025

NIRF (Engineering)	QS World University Ranking (QS WUR)
101-150	1401+
QS Asian University Rankings	QS WUR By Subject - CS & Information Systems
581-600	751-850
QS Asian University Rankings-Southern Asia	India Today-MDRA (Top Engineering Colleges in India)
172	12

Contents

Sl. No.	Description		Page No.
	From the Director's Desk		1
1	The Institute	Introduction, BoG Chairpersons, Directors	3
		Charter, Mission, Vision, Future Endeavours	4
2	Administration	Board of Governors (BoG)	6
		Finance Committee, Building & Works Committee (BWC)	7
		The Director	8
		Senate	9
3	Academics	Academic Programmes	11
		Student's Strength	14
		Examination Results	15
		Medals and Awards	17
		Scholarship / Fellowships / Assistantships	20
		Placement	23
4	Departments	Department of Information Technology	27
		Department of Electronics and Communication Engineering	38
		Department of Applied Sciences	46
		Department of Management Studies	54
5	Research and Development	Highly Cited Publications	61
		WoS Publications Analytics (2021-25)	69
		Patents 2024-25 (Filed / Published/ Granted)	70
		Projects	71
		Academic Activities	76
		Labs and Research Facilities	86
		Memorandum of Understandings (MoUs)	97
		Ranking	98
6	Alumni & International Relations		100
7	Student (Gymkhana) & Activities		105
8	Grievance Redressal Measures		109
9	Infrastructure & Facilities		113
10	Finance & Accounts		122
11	Institute Activities		128
12	Functionaries	OSD/Deans/Associate Deans	130
		Chairpersons/Chief Proctor/HoDs/Faculty In-Charge	130
		Wardens	131
		Administrative/Technical Officers/ Medical Officers	131-132
		Support Staff	133
13	Sanctioned Posts, Recruitment (with Backlogs) & Vacancies		138



From the Director's Desk



Greetings and a Warm Welcome to IIIT Allahabad!!

Education for an individual aims at enrichment, empowerment and enlightenment, infusing the skills of inquiry in the learner, which in turn illuminates the path of acquiring KNOWLEDGE, translating knowledge into WISDOM that leads to a perpetual journey towards TRUTH. When the humanity collectively tried to fight through a global pandemic, in last few years, an altogether changed World has evolved.

In this brave new world, one is increasingly convinced that such empirical threat to the future of humanity can be successfully circumvented only through innovations in Sciences and Engineering, with their rapid translation to sustainable technology,

however, within the spheres of humanity, ethics and symbiotic co-existence. Stellar accomplishments expand the frontiers of knowledge and scholarship every day, and that prompts an earnest need to train the next generation of leaders, technocrats and scientists who are not only technically skilled but morally attuned to identifying and solving problems that will take the nation forward.

IIIT Allahabad, Prayagraj has always been uniquely poised and diligently working to tackle such challenges, as posed by time, technology and changing taste of learners, thereby strengthening itself to raise its stature and standard to the level-next, it deserves. The institute is perpetually prepared to welcome and reflect the radical changes in technological innovations into its teaching-learning and research. The academic character of the Institute is being serendipitously aligned with the vision carved by the National Education Policy 2020, which in turn, will be visible in its all-encompassing Undergrad, Masters, Research or Outreach programs, committing a distinct learning experience to the aspirants. In the era of collaborations and associations with organizations, industries and corporate, be it local, overseas or multi-national, IIITA is more than ready to offer a UNIQUE academic ambience, with its Multi/Inter/Trans-disciplinary curricular contents, for holistic development of a learner.

The Journey towards EXCELLENCE ever continues...Let's traverse it together to PERFORM ... to DEMONSTRATE....to CONTRIBUTE!!!

सह वीर्यं करवावहै । तेजस्वि नावधीतमस्तु मा विद्विषावहै ।

Prof. Mukul S. Sutaone
Director, IIIT Allahabad



1

The Institute

- Introduction
- Charter
- Mission
- Vision
- Future Endeavour



Introduction

Indian Institute of Information Technology Allahabad (IIITA) established in 1999, is recognized as a center of excellence in Information Technology and allied disciplines. In the year 2000, the Government of India granted it "Deemed University" status, a testament to its pioneering role in IT education and research.

IIITA was conceived with a vision to develop skilled professionals and specialized expertise in Information Technology (IT) and related areas. As an apex nucleating institute in the area of IT, the institute plays a critical role for Government of India in advancing the indigenous capability to leverage the vast opportunities presented by multi-dimensional facets of IT on a global scale, thus positioning the country as a key player in the global technology landscape.

Located at Devghat, Jhalwa, the picturesque 100 acre campus is meticulously designed on the Penrose Geometry pattern, complemented by fine landscaping that fosters serene and inspiring environment.

The campus is fully residential, housing all faculty, staff and students with seamless connectivity across academic and residential spaces through an integrated network, making it a vibrant hub for learning, innovation and collaboration.

Since inception, the institute evolved continuously and flourished under the leadership of:

BoG Chairpersons

- Prof. Mukul S. Sutaone, (March 21, 2024 to December 18, 2024)
- Dr. Anand Deshpande (September 22, 2021 to March 20, 2024)
- Prof. P. Nagabhushan (August 06, 2021 to September 21, 2021)
- Sh. V. K. Modi (January 25, 2021 to August 05, 2021)
- Prof. P. Nagabhushan (March 15, 2019 to January 24, 2021)
- Sh. Ravi Kant (June 22, 2016 to February 19, 2019)

Directors

- Prof. Mukul S. Sutaone, Director (April 2023 to till date)
- Prof. R. S. Verma, Director In-Charge (April 02, 2022 – April 2023)
- Prof. P. Nagabhushan, Director (June 2017 – March 2022)
- Prof. G. C. Nandi, Director (Officiating) (July 2016 - May 2017)
- Prof. Somenath Biswas, Director (May 2014 – July 2016)
- Prof. G.C. Nandi, Director In-Charge (January 2014 – April 2014)
- Dr. M.D. Tiwari, Director (August 1999 – December 2013)



Charter

To train and educate certificate, diploma, undergraduate and postgraduate levels, engineers of outstanding ability who may become leaders in the IT industry and profession.

To carry out advanced research and development in leading edge technology areas in Computer Hardware and Software which can be useful over comparatively on a long-term basis.

To develop and promote national and international linkages by way of adjunct faculty, partnership in research, student exchange, academic credit transfer and joint degrees.

To work for the creation and development of resource databases, associated software and courseware for all-important applications so as to ensure future availability of newer software technologies in English, Hindi and other Indian languages.

Mission

The mission of Indian Institute of Information Technology Allahabad (IIITA) is to be a unique and world class nucleating “Apex Centre of Excellence” in the area of Information Technology and Allied Sciences for enhancing India's technological strength in Information Technology and for becoming a pace-setting institution for other similar institutes to be established in future.

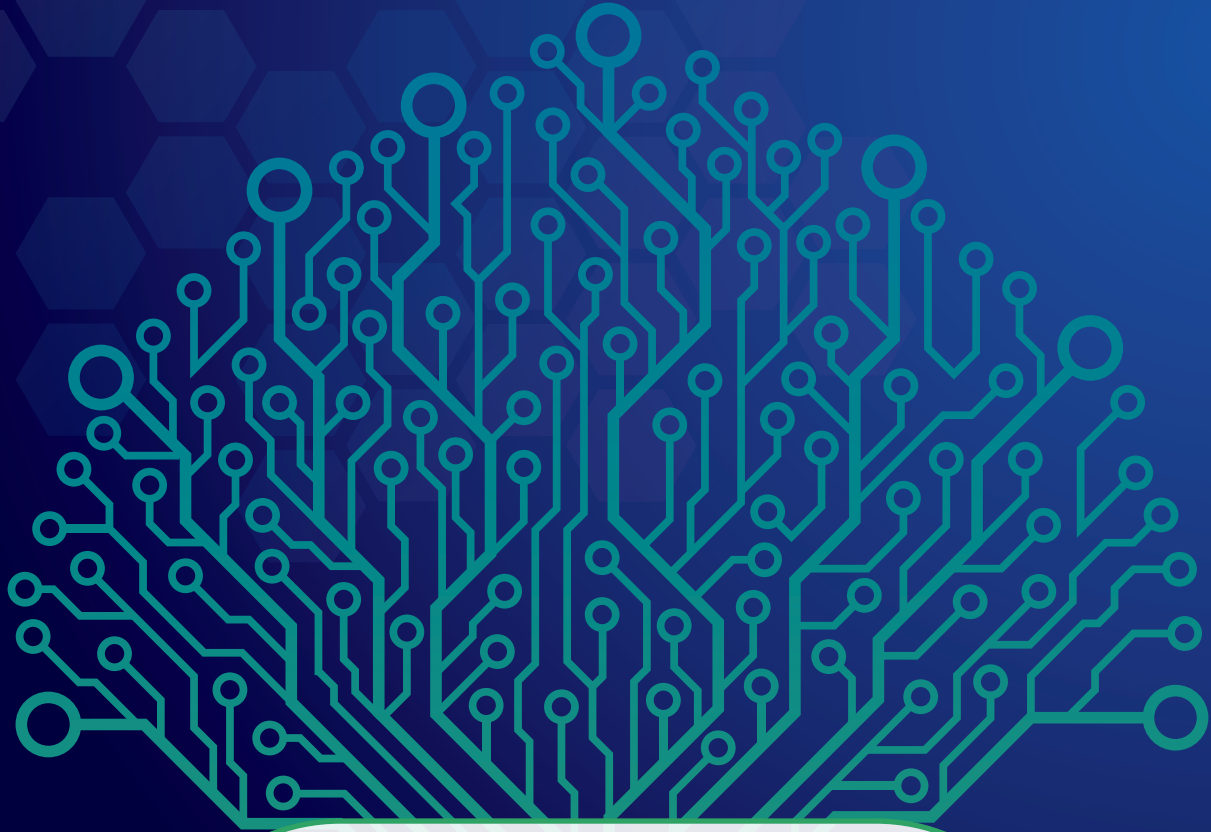
IIITA shall seek to derive its strength from its linkage with sound Indian traditions of past centuries and also set out to create knowledge-based resources in regional languages of India.

Vision

Indian Institute of Information Technology Allahabad strives to become an institute of excellence to train, create, and transform the domain of Information Technology and allied areas. It aims in developing trained human resource to be engaged in Research, Development, Industry/Corporate and Education, Knowledge creation in the areas of Information Technology. The institute is committed to instil a scientific and research aptitude with an academic rigour and innovation aptitude among its members. It seeks to develop an interdisciplinary community with mix of diverse people, ideas and culture which will work towards serving the Nation and the World.

Future Endeavour

- IIITA is actively implementing the National Education Policy (NEP) 2020 aligning with its vision to promote holistic and flexible education.
- Internship, and credits transfers are being integrated, providing students with diverse learning opportunities.
- State-of-the-art laboratories in IT and IT-enabled domain are being developed, enhancing hands-on and practical skills.
- A course on “Design Thinking & Innovation” has been introduced, aiming at nurturing creativity and problem-solving abilities.
- IIITA is progressing swiftly toward establishing an Entrepreneurship & Innovation Centre, which will support aspiring innovators and entrepreneurs.



2

Administration

- Board of Governors (BoG)
- Finance Committee
- Building & Works Committee (BWC)
- The Director
- Senate



Board of Governors (BoG)

Chairman



Prof. Mukul S. Sutaone
(From 21.03.2024 to 18.12.2024)



Prof. Mukul S. Sutaone
Director, IIIT Allahabad



Smt. Saumya Gupta
JS (TE), MoE



Ms. Tulika Pandey
Scientist G and Group Coordinator,
MeITY, GOI



Prof. J. Ramkumar
Representing Director, IIT Kanpur



Prof. Archana Shukla
Director, IIM Lucknow



Padma Shri Prof. Manindra Agrawal
Dept. of CSE, IIT Kanpur



Shri Rahul Singh
MD, GAPL



Dr. Anand Bulusu
DoECE, IIT Roorkee



Prof. Arvind Choubey
Director, IIIT Bhagalpur, Bihar



Additional Chief Secretary
Dept. of IT & Electronics
Govt. of U.P., Lucknow



Prof. O. P. Vyas
Professor, IT Department
IIIT Allahabad



Prof. Anupam
Professor, IT Department
IIIT Allahabad

Secretary



Dr. Mandar Subhash Karyakarte
Secretary, BoG & Registrar, IIIT Allahabad



Finance Committee

Chairman



Prof. Mukul S. Sutaone
(From 21.03.2024 to 18.12.2024)

Secretary

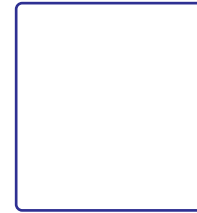


Dr. Mandar Subhash Karyakarte
Registrar, IIIT Allahabad

Members



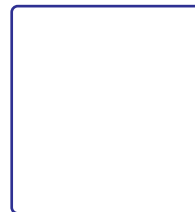
Shri Priyank Chaturvedi
Deputy Secretary (IITs/IIITs)
MoE, New Delhi



Shri Mukesh Kumar
Director (Finance)
MoE, New Delhi



Prof. A.K. Sharan
Finance Officer
Central University of
Allahabad



Sh. Amit Ashok Bajaj
Chief Finance & Accounts
Officer, COEP Technological
University, Pune



Prof. Mukul S. Sutaone
Director, IIIT Allahabad

Building & Works Committee (BWC)

Chairman



Prof. Mukul S. Sutaone
Director, IIIT Allahabad

Secretary



Dr. Akhilesh Tiwari
Estate Officer, IIIT Allahabad

Members



Prof. B. G. Birajdar
HoD, DoCE, COEP, Pune



Shri Ashutosh Dixit
Chief Engineer (TC), UPTCL
Lucknow



Shri Tarun Gautam
Superintending Engineer
IWD, IIT Kanpur



Prof. O. P. Vyas
BoG Nominee & Dean (IWD)
IIIT Allahabad

The Director



Prof. Mukul S. Sutaone

Director

IIIT Allahabad, Prayagraj (U.P., India)

Prof. Mukul S. Sutaone is currently the Director of Indian Institute of Information Technology Allahabad (An Institute of National Importance with the Act of Parliament). Prior to joining IIIT Allahabad, he graced the position of the First Vice Chancellor of COEP Technological University Pune, which is the legacy in the field of Engineering Education in the Country. He worked at College of Engineering, Pune (COEP) as Professor in Electronics and Telecommunication department for more than 30 years, with illustrious accomplishments in Academics, Research, Outreach and Administration. At COEP, Prof. Sutaone handled various responsibilities such as Officiating Director, Deputy Director, Dean Academics, Dean-International Relations, Head of the Department, etc.

His areas of work & interests in Teaching & Research are Statistical & Adaptive Signal Processing, Wireless Communication & Networks and Statistical Modeling of Data. He has conceived, practiced, executed and steered many innovative academic experiments in curriculum design and delivery for the students and faculty of his Institute, Pune University and other aspiring institutes at regional and national level, mentored by him.

In the capacity of Principal investigator of the "Center of Excellence in Signal & Image Processing", a World Bank funded project by MHRD-GoI (under TEQIP), Prof. Sutaone has been associated with the development and conversion of prototypes from mere Proof of Concept (PoC) to transferrable technologies. Some of such projects are 'Video Stabilization for Cell Phones' 'Automated Inspection System for PCB fault detection', 'Density and Direction detection for Stampedes', Fake Currency Detection, and 'Optimal Microphone Array for Audio beam-forming'.

With handsome number of contributed and cited publications to his credit, a few granted patents and copyrights as well as multiple Govt./Corporate funded projects, he is an applauded resource person in many conferences, workshops and symposia, in the areas of Signal Processing, Next Generation Communication, Outcome based Education and Effective Deployment of National Education Policy, Prof. Sutaone is recipient of Prof. SVC Aiya IETE National Award for Excellence in Telecomm Education.

Passionate on imbibing the culture of Entrepreneurship and Innovation in the youth of the society, Prof. Sutaone had been associated with establishment of Institute of Entrepreneurship, Leadership and Innovation at COEP, and as on date he is pursuing this mission in his role as PI of the initiative of the Ministry of Education, Govt. of India, titled 'Capacity Building for Design & Entrepreneurship-CBDE' at IIIT, Allahabad. An ardent believer of values and ethos in Bhartiya Knowledge Treasure, Prof. Sutaone carries a conviction that balanced confluence of knowledge, skills, attitude, values and ethics in the STEAM Education System in the HEIs, can transform the learner into a contributor for tomorrow's Bharat as a World Leader.



Senate (As per IIITs Act, 2014)

Director of the Institute, Ex-officio Chairperson	• Prof. Mukul S. Sutaone Director, IIIT Allahabad
Deputy Director (Ex-officio)	• NIL
Deans (Ex-officio)	• Prof. U. S. Tiwary, Dean (Faculty Affairs) • Prof. Shekhar Verma, Dean (Special Development Affairs) • Prof. Anupam, Dean (Alumni Affairs) • Prof. Manish Goswami, Dean (A&R) • Prof. O. P. Vyas, Dean (TD & IWD) • Prof. Madhvendra Misra, Dean (I&NR) • Prof. Pavan Chakraborty, Dean (Student Affairs)
Head of the Dept. of the Institute	• Dr. K. P. Singh, HoD (IT) • Dr. Sanjai Singh, HoD (ECE) • Dr. Pramod Kumar, HoD (AS) • Dr. Pragya Singh, HoD (MS)
All Professors other than the Deans or HoDs	• Prof. G. C. Nandi, Professor • Prof. Tapobrata Lahiri, Professor • Prof. Vrijendra Singh, Professor • Prof. Neetesh Purohit, Professor (On Lien) • Prof. Pritish Varadwaj, Professor • Prof. Vijaishri Tewari, Professor • Prof. Ranjit Singh, Professor
Three persons from amongst educationist of repute or persons from another field related to the activities of the Inst. Who are not in service of the Inst. Nominated by the BoG	• Prof. Siddhartha Panda, Prof. Vikram M. Gadre, Professor, Dept. of Electrical Engr. IIT Bombay • Prof. Abhay Gandhi, Professor, Dept. of Electronic Engr. VNIT Nagpur • Sh. Prakash Kajave, Principal Specialist, Training & Capability Development, Tech Mahindra, Pune
Three persons who are not members of teaching staff co-opted by the Senate for their specialized knowledge	• Dr. P.S. Sathidevi, Professor (HAG), ECE Dept., Former Deputy Director & Director in Charge, NIT Calicut • Dr. Upendra Kumar Singh, Distinguished Scientist and Director General Life Sciences, DRDO, Government of India • Sh. Niranjana A. Pol, Sr. Engineering Director, Seagate Research Group, Seagate Technology HDD(India) Pvt Ltd, Cluster E, EON SEZ, Kharadi, Pune
Registrar of the Institute Ex-officio Secretary	• Dr. Mandar S Karyakarte Registrar, IIIT Allahabad

As on 31.03.2025



3

Academics

- Academic Programmes
- Student's Strength
- Examination Results
- Medals and Awards
- Scholarships / Fellowships
Assistantships
- Placement



Academic Programmes

Currently Running Program

- The Program being offered by the Institute are B.Tech., M.Tech., Dual Degree M.Tech.–Ph.D. & Ph.D. (Ph.D. running in Regular & working professional modes) Programs in IT, ECE, AS & MBA discipline.

Highlights to Academic Programs

The Institute has implemented NEP 2020 ordinance w.e.f. 2023 batch onwards, which has Multiple Entry and Exit options (with a flexibility to re-enter at later stage).

- Examination reform has also been implemented from July 2023 session. The examinations reform has important features like Mid and End examinations, continuous assessment etc.
- **Letter Grade** : It is an index of the performance of students in a course. Grades shall be denoted by letters A+, A, B+, B, C, D, and F.
- **Continuous Assessment** : It refers to the evaluation of a student spread over the entire semester in various constituent components of the prescribed course.
- **Course Drop** : It refers to an optional facility to be exerted by a student in case he wishes to drop a particular course for certain reasons / situations / conditions.
- **Blank Semester** : It refers to a semester in which a student either does not register for any course at the beginning of the semester or chooses to drop all courses or is compelled to drop all the courses, as the case may be.
- **Spill-Over Semester** : It refers to the additional semester(s) beyond the completion of prescribed normal semesters.
- **Equivalent Course**: It refers to a course, which is projected as having the course component with a fairly large amount of commonality with the mapped earlier course.
- **Mandatory Minor (Multidisciplinary)** : It refers to a set of few courses in a particular multi-disciplinary stream (other than the one where the student has been admitted and pursuing his B.Tech. program) that contributes to and complements the overall development of a student, beyond Engineering and Technology, complying with the globally recognized Graduate attributes. It shall correspond to a total of 15 credits.
- **Honours** : A bonafide student, eligible for the award of B.Tech. Degree with “HONOROUS” shall need to complete 15 additional credits from his own admitted core branch/discipline. Minimum 8 CGPI, No backlog, 8th Semester project must be an academic project and at least one research publication in Tier I/II conferences or in SCI Journals communicated or one patent filed are the essential conditions for Honours.
- **Distinction** : A bonafide student with a CGPI of 8.50 or above shall be awarded B.Tech. / M.Tech. / MBA Degree with “Distinction”.

Some important features of NEP are:

- **Academic Bank of Credits (ABC)** : It is the platform developed by the National e-governance Division of the Ministry of Electronics and Information Technology, Government of India, having the facility/functionality of



opening Academic Accounts for students and on boarding of eligible Higher Education Institutions (HEIs), in accordance with “The University Grants Commission (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021”. ABC will digitally store the academic credits earned by students from HEIs registered with ABC for awarding degrees/diplomas/certificates taking into account credits earned by students. ABC will ensure the opening, closure and validation of Academic Bank Accounts, credit verification, credit accumulation, and credit transfer, redemption for students.

- **Accumulation of Credits :** Every student shall open an account in the ABC which will provide him/ her with a unique ID and will allow access to the Standard Operating Procedure. The Credits awarded to a student for the courses pursued in the University/Institute shall be accumulated in the Academic Bank Account of the student. The procedure for accumulation of credits earned, shelf life, and redemption of credits, would be as per the UGC (Establishment and Operation of ABC in Higher Education) Regulations, 2021 and their subsequent amendments. The validity of credits earned will be to a maximum period of seven years or as specified by the ABC.

B.Tech. :

In general, the B.Tech. Degree Program shall comprise of Eight Semesters spread over a period of Four Academic Years. Each academic year shall commence from July/August. The odd semester shall commence in July/August and the even semester in December/January for each year.

The B.Tech. Degree Program is to be completed in a maximum period of 6 years for general and OBC candidates while 7 years for SC/ST and Pwd candidates, after which the student shall have to be exited, as per the scheme enunciated in the Ordinance.

In order to be conferred with the B.Tech. Degree, a student has to earn at least 160 Credits, by enrolling himself in various Courses offered through CBCS.

However, the multiple exit options within this period with following certification namely:

- a) Bachelor of Science (Engineering):** shall refer to the B.Sc. (Engg.) in a discipline upon the successful completion of three years (six semesters) and completion of 120 credits and with some additional courses of 06 credits.
- b) Diploma:** shall refer to the UG Diploma (Engg.) in a discipline upon the successful completion of two years (four semesters) and completion of 80 credits and with some additional courses of 06 credits.
- c) Certificate:** shall refer to the UG Certificate (Engg.) in a discipline upon the successful completion of one year (two semesters) and completion of 40 credits and with some additional courses of 06 credits.

M.Tech. :

The course structure for M.Tech. Programs comprises of program core, program elective, open electives, humanities and social sciences and management courses, project, thesis, etc. The Senate is empowered to approve and restructure the course curriculum time to time. While any changes in the core courses needs approval from senate, the electives and other courses may be approved by department independently and should be reported to senate in the next meeting.

In general, the M.Tech. Degree Program shall comprise of four semesters, spread over a period of two academic years. Each academic year shall commence from July/August. The odd semester shall commence in July/August and



the even semester in December/January for each year.

The M.Tech. Degree Program is to be completed in a maximum period of 4 years for general and OBC candidates while 5 years for SC/ST and PWD candidates, after which the student shall have to be exited, as per the scheme enunciated in the Ordinance. In order to be conferred with the M.Tech. Degree, a student has to earn at least 66 Credits, by enrolling himself in various Courses offered through CBCS.

MBA :

The postgraduate academic programs governed by this Ordinance shall be of 'Two-Year' duration with multiple entry/exit options within this period with appropriate 'Titles of qualifications/certifications', namely:

1. **Diploma in Business Administration:** shall refer to Diploma in Business Administration upon successful completion of the one year (Two Semesters) with additional courses of 06 credits. The Exit Options available to students after every academic year of the MBA Degree Program, which by this ordinance shall be of 2 years duration with 82 credits.

Centers

At present the institute is also engaged in strengthening the centre in the area of Intelligent Robotics, Cognitive Computing and Entrepreneurial Skill and Capacity Induction.

Ph.D. and Types of Ph.D. scholars :

- a. **Regular:** one who stays in the campus till residential period or more, admitted through Institute's PhD exam and the following process thereafter.
- b. **Dual Degree:** one who stays in the campus till residential period or more, admitted in Dual Degree program.
- c. **Working Professional:** one who works in company/organization, does not stay in the campus, and does not receive institute fellowship.

Date of Start of the Ph.D. Degree Program- Opening date of odd/even semester.

General Time line for PhD Completion :

- a. Successful completion (with minimum B-Grade) of course work, preferably within the first two semesters (PhD after PG) and first three semesters (PhD after UG). However, in any case, students have to complete coursework before 2 and 3 years for PG admitted and UG admitted students respectively. A certificate for course completion will be provided in case a student fails to clear course work in stipulated time.
- b. Elevation from a status of JRF to SRF will be allowed, after completion of minimum 2 years in the Program.
- c. Annual Continuation of SRF - On yearly basis, from the date of grant of SRF. (If not continued as SRF in the prevailing review, then JRF fellowship will be continued to the student). Note: The external DC member will join in the ONLINE mode.

Requirement for Degree – A student shall be deemed to have completed the degree requirements if the student has satisfied all academic & research requirements; Satisfied all the requirements specified by the Senate and the Ordinance; In addition, the student should have paid all the dues to the Institute, and, should have no pending case of indiscipline.



Students' Strength

S. No.	Name of Programme	Academic Session 2024-25	
		Approved Intake	Actual Intake
1	B.Tech. (IT)	305	276
2	B.Tech. (ECE)	151	134
3	B.Tech. (IT-Business Informatics)	46	45
4	M.Tech (IT) [incl. Dual Degree]	144	122
5	M.Tech (ECE) [incl. Dual Degree]	28	8
6	M.Tech (MI) [incl. Dual Degree]	30	22
7	M.Tech (BI) [incl. Dual Degree]	28	16
8	M.Tech (BME)	20	4
9	M.B.A.	109	73

*Admission under DASA and SII Category, Excluding Ph.D. data.

Sanctioned (Approved) Intake (As per NIRF 2025)

Academic Year	2023-24	2022-23	2021-22	2020-21
UG [4 Years Program(s)]	439	489	439	439
PG [2 Years Program(s)]	220	179	-	-

Total Actual Student Strength (As per NIRF 2025)

All programs of all years	No. of Male Students	No. of Female Students	Total Students	Within State (Incl. male & female)	Outside State (Incl. male & female)	Outside Country (Including male & female)
UG [4 Years Program(s)]	1503	366	1869	416	1390	63
PG [2 Year Program(s)]	218	59	277	87	190	0
Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC (Including male & female)	Number of students receiving full tuition fee reimbursement from the State and Central Government		Number of students receiving full tuition fee reimbursement from Institution Funds	Number of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
176	880	84		397	0	575
26	120	0		0	0	146



Examination Results

Undergraduate Students (a)

Academic Session	Name of Programs	No. of Students Passed				
		Boys		Girls		Total
		With Distinction	Without Distinction	With Distinction	Without Distinction	
July 2021 – June 2025	B.Tech. (IT)	73	142	24	33	272
Previous Year	B.Tech. (IT)	00	1	00	2	3
July 2021- June-2025	B.Tech. (ECE)	22	73	06	17	118
Previous Year	B.Tech. (ECE)	00	01	00	00	01
July 2021- June-2025	B.Tech. (IT BIn)	10	27	2	6	45
Previous Year	B.Tech. (IT BIn)	00	01	00	00	01
		105	245	32	58	----
Total (a)		350		90		440

Post Graduate Students (b)

Academic Session	Name of Program	Specialization	No. of Students Passed				
			Boys		Girls		Total
			With Distinction	Without Distinction	With Distinction	Without Distinction	
July 2023-June 2025	M.Tech. (IT)	MCL	10	02	04	00	16
		DE	07	03	01	01	12
		MLIS	09	04	03	00	16
		HCI	02	08	02	00	12
		SE	06	06	01	03	16
		WCC	03	07	00	04	14
		MRM	03	05	00	00	08
July 2023-June 2025	M.Tech. BI	BI	07	01	06	00	14
July 2023-June 2025	M.Tech. (ECE)	Microelectronics	09	02	02	01	14
July 2023-June 2025	MBA		04	26	02	18	50
Previous Year	MBA		00	03	00	01	04
Sub Total			60	67	21	28	--
Total (b)			127		49		176

Dual Degree & Ph. D. Students (c)

Name of Program	Nos. of Students Passed			
	Specialization	Boys	Girls	Total
Dual Degree M.Tech. and Ph.D.	Cyber Law	02	00	02
	Wireless Communications	00	01	01
	Intelligent Systems	01	00	01
	Software Engineering	02	00	02
	Robotics	01	00	01
Dual Degree MBA and Ph.D.		01	00	01
Ph. D.		13	10	23
M. Tech by Research		01	00	01
Total (c)		21	11	32



Summary of Statistics for UG, PG, DD & Ph.D.

Academic Program	No. of Students Passed		
	Boys	Girls	Total
Undergraduate Students	350	90	440
Post Graduate Students	127	49	176
Dual Degree M.Tech. and Ph.D.	06	01	07
Dual Degree MBA. and Ph.D.	01	00	01
Dual Degree B. Tech-M.Tech	01	00	01
M. Tech. By Research	01	00	01
Doctor of Philosophy Students	13	10	23
Total (A+B+C)	499	150	649



Medals and Awards

Chairman's Gold Medal 2025



Shikhar Agrawal (IEC2021016)

Institute Medals

B.Tech. (IT)

Gold Medal



Anjali Singh (IIT2021031)

Silver Medal



Ishaan Oberoi (IIT2021155)

Bronze Medal



Ritesh Kr. Gupta (IIT2021135)

B.Tech. (ECE)

Gold Medal



Shikhar Agrawal (IEC2021016)

Silver Medal



Shubhankit Pandey (IEC2021027)

Bronze Medal



Prakhar Jain (IEC2021012)

M.Tech. (IT)

Gold Medal



Akriti Singh (MML2023001)

Silver Medal



Ananya Gupta (MCL2023002)

Bronze Medal



Rishabh Bhardwaj (MDE2023001)



M.Tech. (ECE)

Gold Medal



Ayush Maurya (MMI2023005)

Silver Medal



Rishit Kanojia (MMI2023009)

Bronze Medal



Vishal Chaudhary (MMI2023001)

M.B.A.

Gold Medal



Mitra Pranoy Pandi (IMB2023027)

Silver Medal



Sneha Ambastha (IMB2023022)

Bronze Medal



Satyam Tripathi (IMB2023059)

Merit Certificate Winners

B. Tech. (IT-BIn) Program

1st Rank



Mohd Zia
(IIB2021027)

2nd Rank



Mohniish Gurnani
(IIB2021013)

M. Tech. (BI) Program

1st Rank



Sana Tarannum
(MBI2023002)

2nd Rank



Devesh Kr. Singh
(MBI2023012)

Dual Degree (M. Tech. - PhD) Program

1st Rank



Abhinav Malviya
(PIS2016001)

2nd Rank



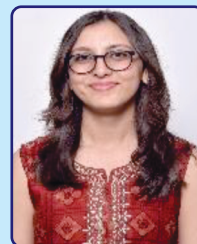
Arti Gupta
(PWC2017003)



Endowment Medalists

Prof. Claude Cohen Tannoudji Gold Medal

Prof. Tannoudji won Nobel Prize in Physics in for the year 1977 for his pioneering work on development of methods of cool and trap atoms with laser light. He participated in the Science Conclave at IIIT-A in 2008. The award is given for academic excellence in Physics among the graduating female students for promoting Physics among girls.



Sukankshi Sharma
(IIT2021503)

Prof. Joelle Cohen Tannoudji Gold Medal

Professor Joelle Cohen Tannoudji is an eminent Professor at the University Pierre et Marie Curie, Paris, France and daughter of Nobel Laureate Prof. Claude Cohen Tannoudji. The award was commemorated during her visit to India in Dec. 2008. The award is given to academically best graduating girl in M. Tech Bioinformatics for promoting Bioinformatics among girls.



Sana Tarannum
(MBI2023002)

Dr. T.C. M. Pillay Memorial Gold Medal

Dr. T.C. M. Pillay served as a University Professor in Metallurgy both in India and the U.S. To perpetuate his memory, his son Dr. Sashi K. Pillay, CIO, NASA John H. Glenn Research Center, Ohio instituted the award to be given academic excellence in the final year of B. Tech (IT).



Jai Moryani
(IIT2021122)

Megha Goyal Memorial Gold Medal

Late Ms. Megha Goyal was born on 26th March 1987 to Mr. Dinesh Chandra Goyal and Mrs. Manju Goyal at Dhanbad, Jharkhand. Since her early student life, characteristics of a meritorious student were exhibited by her. In the year 2003, Ms. Megha was enrolled in this Institute for the B. Tech. (Electronics and Communication Engineering) Degree Course. Ms. Megha displayed her prodigious talent in the Institute's examinations and impressed her colleagues & teacher. Unfortunately, in the fourth semester, she suddenly passed away from an incurable disease, which left an irreparable loss to her family, Institute and the society. Megha Goyal Memorial Gold Medal has been instituted in her fond memory.



Prakriti Vashishtha
(IEC2021054)

**Prof. Dr. Ing. Matthias Kleiner Gold Medal**

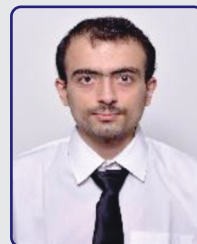
Prof. Dr. Ing. Matthias Kleiner is the President of the Leibniz Association and Professor of Forming Technology at the Technical University of Dortmund. The award is given for overall performance including academic score, research publication, project work and involvement in other technical activities.



Shubhankit Pandey
(IEC2021027)

Shashank Verma Memorial Gold Medal

Late Mr. Shashank Verma was born on 27th, 1985 in Lucknow to Mrs. & Mr. Rajiv Verma. He regularly acquired one of the top ranks in his class. He received an award and a certificate from the U.P. Government in the 'Young Scientists' Awards Ceremony in 2004. HE was equally good in extra-curricular Institute in the year 2004. Tragically he passed away while pursuing the studies at this institute. The Shashank Verma Memorial Gold Medal has been instituted in the loving memory of Mr. Shashank Verma by his parents and grandparents for the student standing first in the second semester of B. Tech. IT program.



Ishaan Oberoi
(IIT2021155)

Scholarships / Fellowships / Assistantships

There are various scholarships/financial assistantships provided by the Central & State Government to the students of the Institute. A brief overview of some of the various Scholarships is as follows:

Sl. No.	Name of the Scholarship	Eligibility Criteria	Amount Reimbursable (in Rs.)
1	Post Matric Scholarships (State Wise)	As mentioned in the guidelines provided by the State Government Authorities.	As decided by the State Government.
2	Post-matric Scholarship for Persons with Disabilities	The students having more than 40% disability (Certified by competent medical authority of the state Governments/UTs.) are only eligible. Scholarship will be paid to the students whose parents /guardians' income from all sources does not exceed Rs.2.50 Lakh per annum.	Fees Reimbursement upto 1.50 lakh p.a. Maintenance allowance p.m. Rs. 1,600/- for Hosteller and Rs. 750/- for Day Scholar. Disability allowance depending on type of disability. Book Allowance Rs. 1,500/-
3	Scholarships for Top Class Education for Students with Disabilities.	Student with disability having not less than 40% disability. Total income from all sources of the candidate and/or his/her parents/guardians, shall not exceed Rs.8.00 Lakh per annum.	Reimbursement of tuition fees and non-refundable charges up to Rs. 2.00 lakh p.a. Maintenance Allowance Rs. 3,000/- p.m. for hostellers and Rs. 1,500/- p.m. for Day Scholars.



Sl. No.	Name of the Scholarship	Eligibility Criteria	Amount Reimbursable (in Rs.)
			Books & Stationery Rs. 5,000/- p.m. Reimbursement of expenses for purchase of a computer with accessories Rs. 45,000/- per awardee as a one-time grant for entire course. Reimbursement of expenses for purchase of Aids and Assistive Device Rs. 30,000/- per awardee as a one-time grant for entire course.
4	Top Class Education Scheme for SC Students	1. The annual family income ceiling from all sources for eligibility under the Scheme is Rs.8.00 lakh. 2. The SC students, who secure admission in the notified institutions, according to the norms prescribed by the respective institutions, are eligible for the scholarship under the scheme to the extent of the number of scholarships allocated to the institutions concerned. 3. The scholarship is merit based and the top ones in each institution (subject to their eligibility) to get. In case the number of students admitted exceeds the number of awards, then the scholarship will be restricted to the top ones in the inter-se merit list institute-wise. 4. Thirty percent (30%) of slots allotted to the Institution shall be reserved for eligible SC girlstudent as per their inter-se merit. In the absence of sufficient number of girl students, the slots may be transferred to eligible boy students as per their inter-se merit.	1. Full tuition fee and other non-refundable charges. 2. Academic Allowance - Rs. 86,000/- for 1st Year Rs. 41,000/- for 2nd, 3rd & 4th Year
5	National Fellowship & Scholarship for Higher Education of Scheduled Tribe Students	1. The total family income of the student from all sources should not exceed Rs. 6.00 lakh per annum. 2. Only those Scheduled Tribe students who have secured admission in notified Institutions will be eligible for the scholarship.	1. Full amount of tuition fee and other non-refundable dues in respect of Government/Government-funded institutions are paid. 2. Books and stationery @ Rs. 5,000/- per annum per student 3. Stipend @ Rs. 3,000/- p.m. (Rs. 36,000/- per annum) 4. Computer and Accessories @ Rs. 45,000/- One Time Grant
6	Central Sector Scheme of Scholarships for College and University Students	Students who are above 80 percentiles of successful candidates in the relevant stream for a particular Board of Examination, in class XII of 10+2 pattern or equivalent and not belonging to the creamy layer. Scholarship will be paid only to those students whose parent's/guardian's income from all sources does not exceed Rs.4.5 Lakh p.a.	Rs.12,000/- p.a. for 1st, 2nd and 3rd year Rs. 20,000/- in 4th year



Sl. No.	Name of the Scholarship	Eligibility Criteria	Amount Reimbursable (in Rs.)
7	PMYasasvi - Central Sector Scheme of Top Class Education in College for OBC, EBC and DNT Students	Those OBC/EBC/DNT students having total annual family income from all sources up to Rs. 2.50 lakh and having secured admission in a full-time prescribed course in any of the notified institutions according to the general selection criteria prescribed by the concerned institution, will be eligible for scholarship under the Scheme to the extent of the number of scholarships (slots) allocated to the institution for the course.	1. Full amount of tuition fee and other non-refundable dues in respect of Government/Government-funded institutions are paid. 2. Books and stationery @ Rs. 5,000/- per annum per student 3. Stipend @ Rs. 3,000/- p.m. (Rs. 36,000/- per annum) 4. Computer and Accessories @ Rs. 45,000/- One Time Grant
8	Institute Scholarships		
	(a) Merit-cum-Means Scholarship	1. The cumulative average of SGPI of two semesters only, per year, respectively should be equal to or above 8.50. 2. Parental Income should be less than Rs. 5.00 lakh p.a. 3. Total number of beneficiaries is limited to 3% of the total strength in each individual program/stream/department.	Rs. 36,000/- p.a.
	(b) Merit Incentive Scholarship	1. The cumulative average of SGPI of two semesters only, per year, respectively should be equal to or above 9.00. 2. 2% (Top Rank Holders) of the Total Strength, provided the Total Strength is above 40, in each individual program/stream/department will be awarded with Merit Incentive Award.	Rs. 36,000/- p.a.
9	Department Scholarships	The scholarships provided by the employer of the parents of the students.	As per their norms.

* The details given are subject to change and can directly be checked on the respective portal again.



Placement Data-Campus Recruitment in 2024-25

B.Tech. (Batch : 2021-25)

Company	No. of Students Placed	Company	No. of Students Placed	Company	No. of Students Placed
Rubrik	1	Acko	4	SAP Control System &	1
Cure.fit	2	Edelweiss	2	Finstrats Research	1
Trilogy Innovations	1	Groww	6	Traceable AI	2
Goldman Sachs	4	Uber	2	Nykka	3
Oracle	5	SAP Labs	6	Gobble Cube	2
Deshaw	5	Apple	12	Tesco	1
Flipkart	1	CBX1	3	ZS Associates	1
Zomato	7	Edra Labs	1	Civo	1
Oracle	9	Browserstack	2	Cashfree	3
UnifyApps	7	IBM	6	Slice	3
Texas Instruments	1	MSCI	3	Metroguild	1
Microsoft	6	Tekion	12	Synopsis	1
Vyapar Apps	5	Amazon	10	Typeface	1
Kivi Capital	2	Alphawave Semi	1	Multiplier	3
American Express	1	Schrodinger	3	Airtel	12
Google	17	Axella	1	College Dunia	3
Amazon	2	Zscaler	9	OYO	6
Salesforce	7	NXP Conductors	1	Prosperr.io	3
Game Theory	8	My HQ	3	Commotion	1
Meesho	9	Deutsche Bank	3	EluciData	1
Concentric AI	2	ICICI BANK	4	MAQ	8
Zepto	11	Futures First	1	Spotonix	2
Walmart	10	CredGenics	3	Clarity	1
Atlassian	4	Udaan	2	Epifi	5
Apple	13	ConnectHEOR	2	Effiya Technologies	2
PhonePe	10	Samsung R&D	5	Wingify	1
Cisco	7	Mixar	1	Quid Cash	1
Adobe	3	HCL	2	Shipsy	1
Intuit	3	Valuefy	1	Launched	5
26 Miles	1	Alteryx	7	AI Dash	2
CoutureAI	2	Clear	7	Shaadi.Com	2
Pocket FM	5	NVIDIA	3	BEL	3
Sprinklr	2	BINOCS	2	Accenture	2
Qualcomm	13	AngelOne	5	Capgemini	1
Atlan	1	Paytm	12	Amnic	3
Gameskraft	5	Motive	1	Franklin	3
Confluent	4	Plum	2		
JP MorganChase	1	Ciena	1		



Students Detail	BTech FY (2024-25)
Total Students Registered	431
Placed Students	424
Minimum package	7.5(LPA)
Maximum Package	145 (LPA)
Average CTC	32 (LPA)
Median CTC	28 (LPA)
Higher Studies	16
Pre-Placement Offer	59
Full Time Employment (FTE) roles with Six-Month onsite Industry internship	135
Exclusive Full Time Positions	96
Secure Performance Based FTE offers	192
Total Number of Offers for the batch	484

M.Tech. (Batch : 2023-25)

Company	No. of Students Placed	Company	No. of Students Placed	Company	No. of Students Placed
Allen Digital/DSU	1	JECRC UNI/Franklin Templeton	3	NXP Semiconductors	2
Alphawave Semi	2	EXL	6	Multiplier	2
Alteryx	1	Galgotias	1	Neuralix	1
Amazon	6	Genesys	1	NPCI	1
Arcesium	2	Global Foundries	1	Parul Uni	3
Axtria	11	HCL	7	QualcomM	5
Browserstack	1	IBM	2	Salesforce	3
Cadence	1	KIET	5	SAP Labs	1
Cams	3	KPMG	4	Synopsys	1
Centific / DSU	2	Material PLUS	3	Tyfone Inc.	1
DIT UNI	1	MathworkS	1	IBM	2
DSU	14	Micron	1		

Students Detail	MTech FY (2024-25)
Total Students Registered	122
Placed Students	102
Minimum package	6.9 (LPA)
Maximum Package	45 (LPA)
Average CTC	16.8 (LPA)
Median CTC	13 (LPA)
Pre-Placement Offer	9 Nos.
Internship with Full Time employment	15 Nos.
Full Time Employment	49
Offered Faculty Positions	35



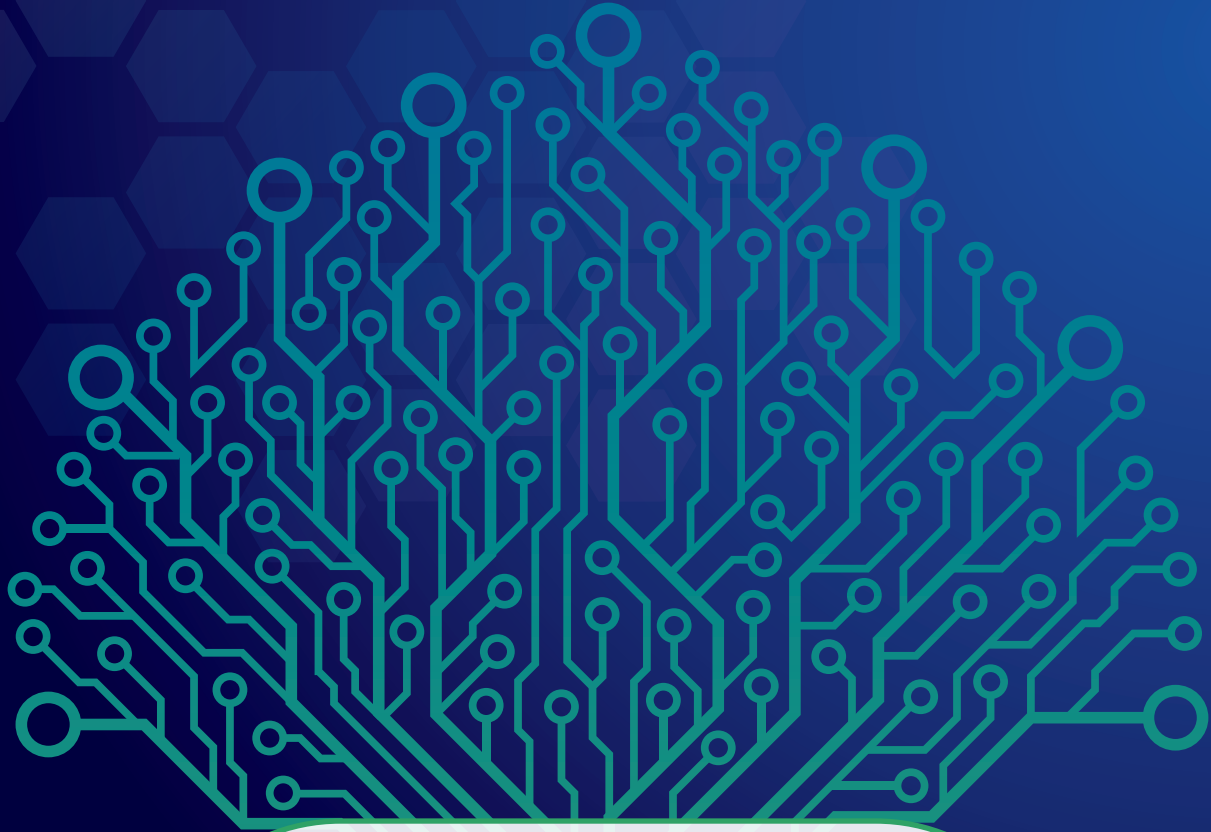
Placement & Higher Studies Data for previous 3 years

UG [4 Years Program(s)]

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
2018-19	310	277	2021-22	275	261	2800000 (Twenty-Eight Lakh)	14
2019-20	388	386	2022-23	384	372	3000000 (Thirty Lakh)	09
2020-21	439	446	2023-24	428	348	1850000 (Eighteen Lakh Fifty Thousand)	43

PG [2 Years Program(s)]

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
2020-21	195	144	2021-22	141	137	1675000 (Sixteen Lakh Seventy-Five Thousand)	04
2021-22	220	181	2022-23	176	133	1500000 (Fifteen Lakh)	06
2022-23	179	158	2023-24	137	90	1110000 (Eleven Lakh Ten Thousand)	39



4

Departments

- **Department of Information Technology**
- **Department of Electronics and Communication Engineering**
- **Department of Applied Sciences**
- **Department of Management Studies**



Department of Information Technology

(<https://it.iiita.ac.in>)

Head of the Department

Dr. Krishna Pratap Singh, Associate Professor

Objectives

The objectives of the programmes offered by the Department of Information Technology are:

- To equip students with state of art knowledge and skill in Information Technology and to produce engineers with outstanding ability.
- To create future leaders of IT industry and profession
- To add to the existing intellectual pool of young minds to meet the growing demands of the nation in Information Technology

The programmes aim to achieve these objectives by moulding young talents as engineers who can recognize and solve problems in different technical and social domains. The main emphasis of the programmes is to instil inquisitive thinking and curiosity with a sense of service to the nation and society at large; and with a capacity to recognize the need for a change and drive the change to make the world a better place to live.

Courses

The main aim of undergraduate education at IIIT Allahabad is to enable students to face the wide-ranging changes taking place in the fields of information technology with confidence. This includes undertaking design, development and entrepreneurial activities, and higher studies in their chosen or allied interdisciplinary fields of study. The courses offered by the Department of Information Technology are:

B.Tech.

• Information Technology	• Business Informatics
--------------------------	------------------------

M.Tech.

• Information Technology	• Machine Learning and Intelligent Systems (MLIS)
• Robotics and Machine Intelligence (RMI)	• Human Computer Interaction (HCI)
• Data Engineering (DE)	• Software Engineering (SE)
• Wireless Communication(WCC)	• Cyber Laws and Information Security (CLIS)

Ph.D. (IT) in following subjects

• Soft Computing	• Artificial Intelligence
• Robotics	• Computer Vision
• Remote Sensing	• Image Processing
• Multimedia	• Graphics & Animation
• Data Mining	• Wireless and Mobile Networks
• Service Oriented Architecture	• Software Engineering and Theoretical Computer Science
• Distributed and High-Performance Computing	• Cryptography
• Computer Forensic	• Bio-metrics & Pattern Recognition
• Information System Audit	• Cyber Crimes
• Security Architecture & Standards	• Information Technology



Lab Facilities

• Robotics Lab	• SILP/Cognitive Computing Center
• Machine Learning and Optimization Lab	• Interactive Technologies & Multimedia (ITM) Lab
• Data Analytics Lab	• Network Security & Cryptography Lab
• Wireless Sensor Network Lab	• Computer Vision Bio-metric Lab / Research Lab
• System Lab	• Deep Learning Lab
• Advanced Image & Data Science Lab	• Software Engineering Research Lab
• Big Data Analytic Lab	• Digital Forensics and Cyber Security Lab
• Wireless Network and IoT Research Lab	• Indo-Norway Collaboration Lab

Faculty Members

1	2
 Prof. Gora Chand Nandi Designation: Professor (HAG) Date of Joining: 10.06.2001 Research Interests: Soft Computing, Machine Learning, Robotics and Industrial Automation, Deep Learning, Computer Controlled Systems, Humanoid Robots.	 Prof. Anupam Agrawal Designation: Professor Date of Joining: 01.11.2000 Research Interests: Image & Vision Processing, Computer Graphics and Virtual Reality, Human-Computer Interaction, Machine Learning, Artificial Intelligence and Soft computing, Remote Sensing, Bio-metrics & Pattern Recognition, and Multimedia Information Processing.
3	4
 Prof. Om Prakash Vyas Designation: Professor Date of Joining: 01.09.2009 Research Interests: Data Mining & Knowledge Engineering, Cyber Security and Machine Learning, Business Informatics, HD, WSN & IoT.	 Prof. Pavan Chakraborty Designation: Professor Date of Joining: 24.04.2007 Research Interests: HGA, Human Prosthetics, Bio-metrics, IP, GVC, Graphical Projections, Robotics & Instrumentation, Real Time Simulation, HPC, Artificial Life Simulation and Intelligence, HCI, Astronomy and Astrophysics, Large Astronomical Data Analysis, Cometary Jets Simulation.
5	6
 Prof. Shekhar Verma Designation: Professor Date of Joining: 11.01.2007 Research Interests: Wireless Networks, Cryptography, Wireless Sensor Networks, Multimedia, Networks.	 Prof. Uma Shanker Tiwary Designation: Professor Date of Joining: 01.07.2002 Research Interests: IP, Computer Vision, Medical Image Processing, Pattern Recognition & Script Analysis, DSP, Speech and Language Processing, Wavelet Transform, Soft Computing, Fuzzy Logic, Neuro-computing and Soft-computers.



7

**Prof. Vrijendra Singh**

Designation: Professor

Date of Joining: 09.06.2005

Research Interests: Blind Source Separation, Independent Component Analysis, Biomedical Analysis, ANN, Data Mining, Image & Audio Processing, DSP, Computational Neuroscience.

8

**Dr. Krishna Pratap Singh**

Designation: Associate Professor

Date of Joining: 21.08.2009

Research Interests: ML & DL: Representation Learning, Transfer Learning, Zero-shot and Few-shot Learning, GAN, RNN and LSTM, NLP and Computer Vision, Evolutionary Algorithms, Multi Objective Optimization, Optimization for ML.

9

**Dr. Manish Kumar**

Designation: Associate Professor

Date of Joining: 06.07.2005

Research Interests: WSN, Data Mgt in WSN (Aggregation, QP, Compressed Sensing, Routing), Distributed Database, MDM, Data Mining, Big Data Analytics

10

**Dr. S. Venkatesan**

Designation: Associate Professor

Date of Joining: 09.09.2009

Research Interests: NIS, Cloud Computing and Social Network Privacy, Mobile Agent Security.

11

**Dr. Satish Kumar Singh**

Designation: Associate Professor

Date of Joining: 01.01.2013

Research Interests: DIP, Data-compression, Bio-metrics Systems (Hand, Finger-print, Face, Multi-modal, etc.), Pattern Recognition and Digital Image Watermarking.

12

**Dr. Sonali Agarwal**

Designation: Associate Professor

Date of Joining: 08.10.2009

Research Interests: Advance Data Mining, Big Data Mining, Big Data Storage and Computing Tools, Support Vector Machine, Twin Support Vector Machine, Data Mining Applications in Healthcare and E-governance.

13

**Dr. Vijay Kumar Chaurasiya**

Designation: Associate Professor

Date of Joining: 29.06.2005

Research Interests: Wireless and Mobile Networks.

14

**Dr. Abhishek Vaish**

Designation: Assistant Professor

Date of Joining: 09.05.2007

Research Interests: Information Security, Cyber Law, Risk Management, Network Threat Protection.



15

Dr. Anshu S. Anand

Designation: Assistant Professor

Date of Joining: 19.08.2019

Research Interests: P&DC: STM, General Purpose Computing on Graphics Processing Units Computing, HPC, Computational Science, Convergence of HPC and AI, Blockchain.



16

Dr. Bibhas Ghosal

Designation: Assistant Professor

Date of Joining: 05.01.2015

Research Interests: VLSI Design and Test, Thermal Aware Digital Testing, CAD for VLSI, Embedded System Design, Real Time System.



17

Dr. Mohammed Javed

Designation: Assistant Professor

Date of Joining: 02.02.2018

Research Interests: Image Processing, Pattern Recognition, Data Compression, Compressed Domain Processing and Analysis, Big Data Analytics.



18

Dr. Muneendra Ojha

Designation: Assistant Professor

Date of Joining: 11.06.2021

Research Interests: Deep Learning, Machine Learning, NLP, Video Analytics, Semantic Web, Multi-Objective Optimization, Genetic Algorithms, Multi-Agent Systems.



19

Dr. Navjot Singh

Designation: Assistant Professor

Date of Joining: 23.04.2021

Research Interests: Salient Object Detection, Image Processing, Computer Vision, Machine Learning, Pattern Recognition, Medical Imaging, Intelligent Transportation Systems.



20

Dr. Shiv Ram Dubey

Designation: Assistant Professor

Date of Joining: 26.07.2021

Research Interests: Computer Vision, Deep Learning, Bio-metrics, Biomedical Image Analysis, Feature Representation, Image Retrieval, Image-to-Image Transformation, Texture and Hyper spectral Image Analysis.



21

Dr. Soumyadev Maity

Designation: Assistant Professor

Date of Joining: 15.06.2017

Research Interests: Network Security, Information Security, Cryptography, Secure Routing, Intrusion Detection, Security in IoT, Security in ITS.



22

Dr. Triloki Pant

Designation: Assistant Professor

Date of Joining: 01.07.2010

Research Interests: Satellite Image Analysis, Fractal Geometry for Imaging.





23

**Dr. Anjali Gautam**

Designation: Assistant Professor
Date of Joining: 17.11.2020
Research Interests: Biomedical Image Analysis, Image Processing, Pattern Recognition, Machine Learning.

24

**Dr. Nabajyoti Mazumdar**

Designation: Assistant Professor
Date of Joining: 29.04.2021
Research Interests: Wireless Sensor Network, Internet of Things, Cloud Computing.

25

**Dr. Naveen Saini**

Designation: Assistant Professor
Date of Joining: 27.12.2023
Research Interests: Text Mining, Scholarly Data Mining, Information Retrieval, Multi-objective optimization, Evolutionary Algorithms, Machine Learning, Artificial Intelligence.

26

**Dr. Gaurav Srivastava**

Designation: Assistant Professor
Date of Joining: 29.01.2024
Research Interests: Software Engineering, Data Mining, Theory of Computation, Principles of Compiler Design, Design of Algorithms.

27

**Dr. K M Pooja**

Designation: Assistant Professor
Date of Joining: 19.12.2023
Research Interests: Information Retrieval, Deep Learning, Author Name Disambiguation, Entity Linking.

28

**Dr. Randheer Bagi**

Designation: Assistant Professor
Date of Joining: 11.01.2024
Research Interests: Deep Learning, Machine Learning, Data Science.

Doctoral Theses Guided

Sl. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Sanchit	Static Scheduling of Dag Tasks on Heterogenous Voltage Frequency Islands	2024	Dr. Navjot Singh and Dr. Jagpreet Singh
2	Neeraj Baghel	Development of Deep Learning Models for Image Super-Resolution	2025	Dr. Shiv Ram Dubey
3	Suranjan Goswami	Human Perception Augmentation and its Applications for Thermal Images using Learning based Approaches	2025	Dr. Satish Kumar Singh
4	Ankur Gogoi	Exploration of Design Approaches for Performance Aware and Fault-Tolerant Network-on-Chip Architectures	2024	Dr. Bibhas Ghoshal
5	Ankur Jaiswal	Design of Energy-Efficient UAV-Assisted Protocols for Data Acquisition and Power Transmission in Resource-Constrained IoT Networks	2025	Dr. Nabajyoti Mazumdar and Dr. Jagpreet Singh
6	Gopal Chandra Jana	Development of Intelligent Schemes for Epileptic Seizure Detection using EEG Signals	Aug. 2024	Prof. Anpuam



Seminar / Conference / Workshop / STP / FDP / etc. Organised

Sl. No.	Faculty Name	Role/ Responsibility	Name of Seminar/Conf./ Workshop/STP/FDP etc.	Organizer	Duration
1	Dr. M Javed	PC Member	ICDAR 2024, Athens, Greece	IAPR	Aug 30-Sept 4, 2024
2	Dr. Shiv Ram Dubey	Conference Convener	9th International Conference on Computer Vision & Image Processing (CVIP), 2024	IIITDM Kancheepuram	Dec 19-21, 2024
3	Dr. Shiv Ram Dubey	Track Chair - Image Processing	8th IEEE International Conference on Information Communication Technology (CICT), 2024	IIIT Allahabad	Dec 06-08, 2024
4	Dr. Shiv Ram Dubey	Conference Chair	3rd IEEE International Conference on Computer Vision & Machine Intelligence (CVMI), 2024	IIIT Allahabad	Oct 19-20, 2024
5	Dr. Shiv Ram Dubey	Expert Talk	Fifth Annual AI School (ANAIIS), Nepal	Nepal	Jan 03-04, 2025
6	Dr. Satish Kumar Singh	Conference Convener	9th International Conference on Computer Vision & Image Processing (CVIP), 2024	IIITDM Kancheepuram	Dec 19-21, 2024
7	Dr. Satish Kumar Singh	Conference Chair	3rd IEEE International Conference on Computer Vision & Machine Intelligence (CVMI), 2024	IIIT Allahabad	Oct 19-20, 2024
8	Dr. Satish Kumar Singh	Member Steering Committee	8th IEEE International Conference on Information Communication Technology (CICT), 2024	IIIT Allahabad	Dec 06-08, 2024
9	Dr. Naveen Saini	Technical Session Chair	8th IEEE International Conference on Information Communication Technology (CICT), 2024	IIIT Allahabad	Dec 06-08, 2024
10	Dr. Naveen Saini	Session Chair	International Conference on Information Technology and Artificial Intelligence (ITAI 2025)	Gurugram University, Gurgaon, Haryana, India	Jan 24-25, 2025
11	Dr. Naveen Saini	Session Chair	5th International Conference on Data Science and Applications (ICDSA 2024)	MNIT Jaipur	July 17-19, 2024
12	Dr. Naveen Saini	Expert Talk	One Week Short-Term Course on "Emerging Paradigms in Artificial Intelligence, Networking and Security"	REC Sonbhadra	March 01-05, 2025
13	Dr. Naveen Saini	Expert Talk	One-month computational training program	NIPER Raibareli	June 05 - July 02, 2024
14	Prof Anupam	Session Chair	10th ACM ICCAI 2024	Bali, Indonesia	Apr. 26-29, 2024
15	Prof Anupam	Organisor	2-Day Workshop on "Intelligent Human-Computer Interaction and Applications" for the faculty members & research students of the Vignan University (VFSTR)	Vadlamudi, Guntur (AP), India	Dec. 13-14, 2024



Sl. No.	Faculty Name	Role/ Responsibility	Name of Seminar/Conf./ Workshop/STP/FDP etc.	Organizer	Duration
16	Prof Anupam	Organizer (Chairman & Dean AA)	Silver Jubilee Global Alumni Meet (GAM2024) & Industry Academia Conclave (IAC 2024)	IIIT Allahabad	Sept. 27-29, 2024
17	Prof Anupam	TPC Member	ACM 10th ICCAI 2024, Bali, Indonesia	hosted by Udayana University, Bali, Indonesia	Apr. 26-29, 2024
18	Prof Anupam	TPC Member	IEEE 16th ICCAE 2024 (Melbourne, Australia)	Macquarie University, Australia	Mar. 14-16, 2024
19	Prof Anupam	Track Chair - Image Processing	8th IEEE CICT2024	IIIT Allahabad	Dec. 06-08, 2024
20	Prof Manish Kumar	Session Chair (PhD Symposium)	8th IEEE International Conference on Information Communication Technology (CICT), 2024	IIIT Allahabad	Dec. 06-08, 2024
21	Prof Vrijendra Singh	Participant	Capacity Building for 'Promoting Positive Mental Health, Resilience and Wellbeing'	DHE, Ministry of Education, New Delhi	May 10, 2024
22	Prof Vrijendra Singh	Expert Talk	A Faculty Development Program on Machine Learning Techniques for Deep fake Detection under the aegis of Electronics & ICT Academy, IIT Roorkee	ITM University Gwalior & IIT Roorkee	Nov. 19-23, 2024
23	Prof Vrijendra Singh	Keynote Speaker	One-Week Faculty Development Program (FDP) on "Emerging Issues and Challenges in AI & Communications"	Rajkiya Engineering College Kannauj	Jan. 28 - Feb. 01, 2025
24	Prof Vrijendra Singh	Organisor , Brain Storming & Expert Talk	Fifth International Workshop on Generative AI and Human Robot Interactions	IIIT Allahabad	Feb. 14-16, 2025
25	Prof Vrijendra Singh	Visiting Professor	Training program under the Erasmus IRAS-HUB project funded by the European Education and Culture Executive Agency	UNIGE ITALY	June 10-14, 2024
26	Prof Vrijendra Singh	Visiting Professor	Training program under the Erasmus IRAS-HUB project funded by the European Education and Culture Executive Agency	WUT POLAND	June 18-21, 2024
27	Prof Vrijendra Singh	Visiting Professor	Advanced training program under the Erasmus IRAS-HUB project funded by the European Education and Culture Executive Agency	URV SPAIN	Oct. 14-18, 2024
28	Prof Vrijendra Singh	Visiting Professor	Advanced training program under the Erasmus IRAS-HUB project funded by the European Education and Culture Executive Agency	TUC GREECE and CRETHIDEV	Oct. 21-25, 2024
29	Prof Vrijendra Singh	PC Member	10th International Conference on Time Series and Forecasting (ITISE-2024), Spain	Gran Canaria, Spain	Juny 15-17, 2024



Sl. No.	Faculty Name	Role/Responsibility	Name of Seminar/Conf./Workshop/STP/FDP etc.	Organizer	Duration
30	Prof Vrijendra Singh	Expert Talk	Summer Training and Project Certificate Program on Artificial Intelligence and Robotic	IIIT Allahabad	June 26-Aug. 06, 2024
31	Prof Vrijendra Singh	Expert Talk	A Short Training Program on Data Science and Applications, DST-CIMS,	Institute of Science, BHU	Mar. 11-15, 2024
32	Prof Vrijendra Singh	Session Expert	Recent trends and Techniques on AI, Time Series Analysis and Real Life Applications, Ministry of MSME-sponsored five-day Advanced Entrepreneurial Skill Development Program (ESDP), 2023-2024, on Artificial Intelligence	IIIT Lucknow	Jan. 15-19, 2024
33	Dr. Navjot Singh	Conference Co-Chair	3rd IEEE International Conference on Computer Vision & Machine Intelligence (CVMI), 2024	IIIT Allahabad	Oct 19-20, 2024
34	Dr. Anshu S Anand	Expert Talk	Atal FDP on Beyond Limits: Exploring Supercomputing Applications in Business Management	SRM Institute of Science and Technology, SRMIST Vadapalani, Chennai	Jan 6-11, 2025
35	Dr. Anshu S Anand	Session Chair	5th International Conference on Computational Intelligence (ICCI 2024)	SVNIT Surat	Dec 24-26, 2024
36	Dr. Anshu S Anand	Session Chair	8th IEEE Conference on ICT (IEEE CICT-2024)	IIIT Allahabad	Dec 06-08, 2024

Seminar/Conference /Workshop/STP/FDP Attended

Sl. No.	Faculty Name	Role/Responsibility	Name of Seminar/Conf./Workshop/STP/FDP etc.	Organizer	Duration
1	Dr. M Javed	Session Chair / Conference Bidder	Third International Conference on Data Analysis and Learning	MGM Nanded	Dec 27-29, 2024
2	Dr. Anjali Gautam	Author	ICIP 2024	Dubai	Oct 27-30, 2024
3	Dr. Shiv Ram Dubey	Author	IEEE Conference on Artificial Intelligence	Singapore	June 25-27, 2024
4	Dr. Shiv Ram Dubey	Author	9th International Conference on Computer Vision & Image Processing (CVIP), 2024	IIITDM Kancheepuram	Dec 19-21, 2024
5	Dr. Anshu S Anand	Participant	Faculty Development Programme on Quantum Computing and Post-Quantum Cryptography	Department of Computer Science, University of Delhi	Feb 03-09, 2025
6	Dr. Naveen Saini	Author	IEEE World Congress on Computational Intelligence (IEEE WCCI 2024)	IEEE	June 29th - July 5th, 2024
7	Prof Manish Kumar	Author	8th IEEE International Conference on Information Communication Technology (CICT), 2024	IIIT Allahabad	Dec 06-08, 2024



Sl. No.	Faculty Name	Role/ Responsibility	Name of Seminar/Conf./ Workshop/STP/FDP etc.	Organizer	Duration
8	Prof Manish Kumar	Author	IEEE 14th International Conference on Communication Systems & Network Technologies(CSNT)	VIT Bhopal	March 07-08, 2025
9	Prof Vrijendra Singh	Author	2024 11th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	EECSI, Indonesia	Sept. 26-27, 2024
10	Prof Vrijendra Singh	Author	2024 IEEE 21st India Council International Conference (INDICON)	IIT Kharagpur	Dec. 19-21, 2024
11	Prof Vrijendra Singh	Author	Proceedings of the First Workshop on Challenges in Processing South Asian Languages (CHiPSAL 2025)	Abu Dhabi UAE	Jan. 19-24, 2025
12	Dr. Anshu S Anand	Participant	31st IEEE International Conference on High-Performance Computing, Data, and Analytics, HiPC 2024	Bangalore	Dec 18-21, 2024
13	Prof Anupam	Participant	Attended a 2-Day Workshop on partnership programme with Asian Development Bank (ADB) at IIT-Madras Research Park campus	IIT Madras	Jan. 20-21, 2025
14	Prof Anupam	Author	Springer PCEMS 2024	VNIT, Nagpur	Nov. 11-12, 2024
15	Prof Anupam	Author	International CleanUp 2024 ADELAIDE Conference	Australia	Sept. 15-19, 2024
16	Prof Anupam	Author	Springer ICDSA 2024 (Paper 1)	MNIT Jaipur	Jul. 17-19, 2024
17	Prof Anupam	Author	Springer ICDSA 2024 (Paper 2)	MNIT Jaipur	Jul. 17-19, 2024
18	Prof Anupam	Author	Springer ICDSA 2024 (Paper 3)	MNIT Jaipur	Jul. 17-19, 2024
19	Prof Anupam	Author	IEEE NMITCON 2024	NMIT, Bengaluru	Aug. 09-10, 2024
20	Prof Anupam	Author	Springer ICCIDA 2024	VCE, Hyderabad	Jun. 28-29, 2024
21	Prof Anupam	Author	Springer ICMLBDA 2024 (Paper 1)	NIT Kurukshetra	May 09-11, 2024
22	Prof Anupam	Author	Springer ICMLBDA 2024 (Paper 2)	NIT Kurukshetra	May 09-11, 2024
23	Prof Anupam	Author	ACM ICCAI 2024	Bali, Indonesia	Apr. 26-29, 2024

Editorial Boards of Journals

Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
1	Dr. S. Venkatesan	Editor	EAI Endorsed Transactions on Scalable Information Systems	EAI - European Alliance for Innovation
2	Dr. M. Javed	Editorial Board Member	PLOS One Journal	Public Library of Science
3	Dr. Shiv Ram Dubey	Associate Editor	SN Computer Science	Springer



Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
4	Prof Manish Kumar	Editor	EAI Endorsed Transactions on Cloud Systems	EAI - European Alliance for Innovation
5	Prof Manish Kumar	Editor	EAI Endorsed Transactions on Scalable Information Systems	EAI - European Alliance for Innovation
6	Dr. Satish Kumar Singh	Associate Editor	IEEE Signal Processing Letters	IEEE USA
7	Dr. Naveen Saini	Associate Editor	ICCK Transactions on Swarm and Evolutionary Learning	ICCK
8	Prof Anupam	Review Editor	Journal of "Frontiers in Artificial Intelligence"	Frontiers, Lausanne, Switzerland

Honours and Awards

Sl. No.	Faculty Name	Award Name	Awarded by	Year
1	Dr. Navjot Singh	Senior Member, ACM	ACM	2024
2	Dr. Manish Kumar	'Change Maker Award - Academia' Making India Emloyable Award (MIEA) Conference	MIEA and India Education Forum	2024
3	Dr. Muneendra Ojha	Distinguished Professional	AICTE	2025
4	Dr. Shiv Ram Dubey	Best Poster Award	IEEE Conference on Artificial Intelligence (CAI), June 25-27, 2024, Singapore	2024
5	Dr. Shiv Ram Dubey	IEEE SPS UP Chapter Early Career Teacher Award for Year 2023	IEEE Signal Processing Society Uttar Pradesh Chapter	2024
6	Dr. Satish Kumar Singh	IEEE Distinguished Lecturer	IEEE Signal Processing Society, USA	2025
7	Dr. Satish Kumar Singh	IEEE Distinguished Lecturer	IEEE Signal Processing Society, USA	2024
8	Dr. Satish Kumar Singh	Eminent Enginner Award 2025	Institution of Engineers, India	2025
9	Dr. Satish Kumar Singh	Mid Career Teacher Award for Year 2023	IEEE SPS Uttar Pradesh	2024
10	Dr. Satish Kumar Singh	Best Paper Award (Poster Category)	IEEE Conference on Artificial Intelligence (CAI), June 25-27, 2024, Singapore	2024
11	Dr. Mohammed Javed	External Affiliate Member- IAD Universityat Buffalo, USA	Honorary Membership Faculty Category	2024
12	Prof Anupam	Most Innovative Education Leadership Award - Information Technology 2024	Golden Aim Conference & Awards for Excellence & Leadership in Education in Bangalore	2024

Other Activities

Sl. No.	Faculty Name	Activity Details	Year
1	Dr. Shiv Ram Dubey	Master Trainer, General Elections of India	2024
2	Dr. Shiv Ram Dubey	Counselor, IEEE Student Branch IIIT Allahabad	2024-2025
3	Dr. Shiv Ram Dubey	Member, TA Management Committee, IT Department, IIIT Allahabad	2022-2025



Sl. No.	Faculty Name	Activity Details	Year
4	Dr. Shiv Ram Dubey	Member, IT Department Post Graduate Committee (DPGC), IIIT Allahabad	2021-2025
5	Prof Anupam	Founder Chairman “Academia-Industry Collaboration Hub” (AIC Hub) at IIIT Allahabad	Established on 05-11-2024
6	Prof Anupam	Proponent and the Project Coordinator (IIITA): ASEAN-India Network of Universities (AINU) funded by Govt. of India	Oct'24 to Sept'29
7	Prof Anupam	Served as a Member of the Jury of the 14th Aegis Graham Bell Awards (AGBA) (Supported by Ministry of E&IT of the Govt. of India, Skill India, and the NIC),	06th December 2024
8	Prof Anupam	Serving as Dean Alumni Affairs	Continuing
9	Prof Anupam	Serving as Member of Under Graduate Sub-Committee (UGSC), IIITA	Continuing
10	Prof Anupam	Member Board of Governors (BoG), IIIT Allahabad	Jun'2024 - till date
11	Prof Anupam	Member, Board of Post Graduate Studies (BPGS) of the Dept. of Computer Science, Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow	May'2024 - till date
12	Prof Anupam	Serving as a Coordinator of the MTech (IT) Human-Computer Interaction Specialization at IIITA	Continuing
13	Prof Anupam	Served as an Invited Expert member of the Recruitment Board for the Post of Professor (CS&E) and Professor (E&CE) by the UPSC, New Delhi.	Jan. 10, 2025
14	Dr. Manish Kumar	Chief Procter, Associate Dean (S&P), Head of Faculty Forum	2024-25
15	Prof Vrijendra Singh	Member Board of Governors (BoG), IIIT UNA	2020- till date
16	Prof Vrijendra Singh	Member Senate, IIIT UNA	2018-till date
17	Prof Vrijendra Singh	Advisor, NPSE New Delhi	June 2015- till date
18	Prof Vrijendra Singh	Advisor, Research Center, PEC Chennai	2019 - till date
19	Prof Vrijendra Singh	Convener, IEEE UP Section CIS Chapter Award Committee	2024
20	Prof Vrijendra Singh	Vice Chairman- IEEE UP Section CIS Chapter	2025
21	Prof Vrijendra Singh	Expert, Recruitment and Assessment Board, Council of Scientific and Industrial Research, Ministry of Science and Technology, Govt. of India	2024



Department of Electronics and Communication Engineering

(<https://ece.iiita.ac.in>)

Head of the Department

Dr. Sanjai Singh, Associate Professor

Introduction

The department was established in 2006 with the aim of providing leadership in the field of Electronics & Communication Engineering and pioneering interdisciplinary research in Information Technology. We strive to train and empower our students, who will make the world a better place by using the power of engineering principles, techniques, and systems.

To that end, considerable initiatives have been taken to establish state-of-the art research laboratories in the areas of Control & Instrumentation, VLSI Design and Technology, MEMS and Sensors, Embedded Systems, Wireless and Optical Communication, Cognitive Radios, MIMO Technologies, RF & Microwave Engineering. Additionally, being a centre of excellence in Information Technology, the institute provides greater exposure to the core areas of Information Technology to the students of the ECE department at IIITA as compared to the students registered in similar programs at other premier institutes in India.

The department offers financial support to its young faculty for cutting-edge research and also encourages them to undertake sponsored research from industry and government agencies. Presently, several projects sponsored by DST, DeitY, UPCST, UPCAR etc. are under way in the department. The department also provides a healthy environment for students and faculties to carry out inter-departmental collaborative research in areas like Biomedical Engineering, Robotics, Human interface, etc.

Objectives

The objectives of the programmes offered by the Department of Electronics and Communication Engineering are:

- To equip the students with quality education, training, and research in the frontline areas of electronics and its derived engineering and technology.
- To create future leaders to meet the growing demand of the nation in the domain of semiconductors, AI, and 6G communication.

Major Areas of Research

- VLSI design, semiconductor system design, computational nano-electronics, micro and nano fabrication, fabrication, and sensing materials.
- Cyber security, cooperative communications, MIMO systems, D2D Communication, NOMA, IoT, vehicular communication, photonic packet switch architecture.
- Microwave circuits and antennas, electromagnetic modelling, SAR / PolSAR signal processing, satellite image processing.
- Practical applications of control system theory, embedded systems, renewable energy, dc microgrids, and MEMS / NEMS sensors.
- Speech signal processing, emotion analysis based on speech and image, computer vision, pattern recognition and artificial intelligence, biomedical signal processing, wavelet and multi-rate signal processing

Courses

The ECE department of IIIT Allahabad offers one undergraduate and two specialized postgraduate programmes, viz., B.Tech. in Electronics & Communication Engineering, M.Tech. in Microelectronics (MI) and M.Tech. in Communication Engineering (CE).

Lab Facilities

The ECE department of IIITA has the following specialized lab facilities:

• Device Fabrication Lab	• 100 5G Use Case Lab
• VLSI Design Lab	• RF & Wireless Research Lab
• Wireless Sensors Lab	• Embedded Systems Lab



Faculty Members

1

**Prof. Neetesh Purohit**

Designation: Professor

Date of Joining: 05.09.2006

Research Interests: Information and Communication Technologies, Cyber Security, Wireless Networks, Digital Signal Processing.

2

**Prof. Manish Goswami**

Designation: Professor

Date of Joining: 01.06.2008

Research Interests: Low Power Circuit design, Analog and Mixed Signal VLSI Design, Data Converters, Memory Design.

3

**Dr. Sanjai Singh**

Designation: Associate Professor

Date of Joining: 16.03.2007

Research Interests: Computational Nano-Electronics, Semiconductor Devices, Density Functional Theory, 2D Materials, Quantum Materials and Devices.

4

**Dr. Rajat Kumar Singh**

Designation: Associate Professor

Date of Joining: 01.07.2007

Research Interests: Photonic Packet Switch Architecture, Optical Data Storage, Optical Networks and Switching.

5

**Dr. Sitangshu Bhattacharya**

Designation: Assistant Professor

Date of Joining: 04.06.2014

Research Interests: Computational Nano- electronics, Electronic Structure Theory, Density Functional Theory, 2D Materials & Devices, Condensed Matter Theory.

6

**Dr. Prasanna Kumar Mishra**

Designation: Assistant Professor

Date of Joining: 25.06.2014

Research Interests: VLSI Technology, Semiconductor Device Design, Analog / RF Circuit Design, VLSI System Design, Hardware / Software Architecture Co-design.

7

**Dr. Pooja Mishra**

Designation: Assistant Professor

Date of Joining: 21.07.2014

Research Interests: Polarimetric Applications on Synthetic Aperture Radar (SAR) Images, Satellite Image Processing, Microwave Remote Sensing, SAR Image Classification, Electromagnetic Wave Interaction with various Media and Electromagnetic Modelling, Microstrip Antennas.

8

**Dr. Suneel Yadav**

Designation: Assistant Professor

Date of Joining: 06.07.2015

Research Interests: Wireless Relaying Techniques, Cooperative Communications, Cognitive Relaying Communications, Device-to-Device Communications, Signal Processing, and MIMO Systems.



9

**Dr. Sunny Sharma**

Designation: Assistant Professor
 Date of Joining: 12.06.2015
 Research Interests: Microelectronics and VLSI Design, Micro and Nano Fabrication, Novel Sensing Materials, Sensor Information Processing, Photonic Devices, Non-Volatile Semiconductor Memories.

10

**Dr. Ashutosh Kumar Singh**

Designation: Assistant Professor
 Date of Joining: 03.07.2010
 Research Interests: Control Systems, DC Microgrids, Renewable Energy, Nonlinear Control, Power Electronics

11

**Dr. Rekha Verma**

Designation: Assistant Professor
 Date of Joining: 08.12.2014
 Research Interests: Electro-thermal Design and Analysis, Thermo-electric Materials, Computational Nano-electronics, Density Functional Theory.

12

**Dr. Amar Nath Yadav**

Designation: Assistant Professor
 Date of Joining: 02.05.2019
 Research Interests: Microwave Circuits and Antennas.

13

**Dr. KavindraKandpal**

Designation: Assistant Professor
 Date of Joining: 16.12.2019
 Research Interests: Analog IC Design and Mixed-signal Design (Modulators & Demodulators, Bandgap Reference Circuitry, LDOs, Clocked Dynamic Comparators, Gm-C Filters, and Verilog-A / SPICE Models of the Novel Transistors, Oxide Thin-Film Transistors: Device Physics, Fabrication and Modeling, Bio-sensors, Display Electronics: Pixel Driving Circuits.

14

**Dr. Himanshu Maurya**

Designation: Assistant Professor
 Date of Joining: 17.11.2020
 Research Interests: Polarimetric Synthetic Aperture Radar, Eigenvector and Model-Based Decomposition of SAR Image, PolSAR Image Processing, Urban Extraction, Biomass Estimation, Atmospheric Remote Sensing.

15

**Dr. Ramesh Kumar Bhukya**

Designation: Assistant Professor
 Date of Joining: 07.12.2020
 Research Interests: Speech Signal Processing, Automatic Speaker Recognition, Speech Analysis, Speech Recognition, Speech Enhancement, Emotion Analysis Based on Speech and Image, Speech Pathology Detection, Computer Vision, Pattern Recognition and Artificial Intelligence.

16

**Dr. Shanti Chandra**

Designation: Assistant Professor
 Date of Joining: 04.02.2021
 Research Interests: Digital Signal Processing, Biomedical Signal Processing, Wavelet and Multi-rate Signal Processing, Image Processing and Computer Vision, Pattern Recognition and Artificial Intelligence.



17

**Dr. Surya Prakash**

Designation: Assistant Professor
 Date of Joining: 30.04.2021
 Research Interests: Artificial Intelligence, Embedded System, Renewable Energy, MEMS / NEMS Sensor.

18

**Dr. Boddepalli SanthiBhushan**

Designation: Assistant Professor
 Date of Joining: 05.05.2021
 Research Interests: Nano / Micro-Electronics, VLSI Design, Device Modelling: Electronic and Energy Devices, Single Electron Transistors, Graphene and CNT Devices, Organic Electronics.

19

**Dr. Radhika Gour**

Designation: Assistant Professor
 Date of Joining: 17.05.2021
 Research Interests: Device-to-Device (D2D) Communication, NOMA, Internet of Things (IoT), Resource Optimization, Cooperative Communication, Vehicular Communication.

New Courses Developed

Sl. No.	Course Title	Course No.	Course Program	Faculty Name
1	Radiating System	-	Core (M.Tech.)	Dr. Amar Nath Yadav
2	RF & Microwave Circuit Design and Technique	-	Core (M.Tech.)	Dr. Amar Nath Yadav
3	Microwave Remote Sensing	-	Elective (B.Tech. & M.Tech.)	Dr. Pooja Mishra Dr. Himanshu Maurya
4	Radio Frequency Integrated Circuit Design	-	Elective	Dr. Prasanna Misra
5	Low Power System Design	-	Core (M.Tech.)	Dr. Kavindra Kandpal Dr. Prasanna Misra
6	Re-configurable Computing Systems	-	Core (M.Tech.)	Dr. Prasanna Misra
7	Testing and Verification Lab	-	Lab	Dr. Sunny Sharma
8	Radar and Satellite Communication Lab	-	Lab	Dr. Rajat Singh
9	Lab: Testing and Verification	-	M.Tech (MI)/B.Tech	Dr. Sunny

Doctoral Theses Guided

Sl. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Suraj Kumar Lalwani	Investigation on Low Temperature Gas Sensors for Industrial and Medical Applications	2024	Dr. Sunny



Sl. No.	Researcher Name	Thesis Title	Year	Guide Name
2	Sandeep Tripathi	Novel Non-Volatile Static Random-Access Memory (NVS RAM) Bit Cells for In-Memory-Computing Architectures	2024	Dr. Prasanna Kumar Misra Dr. Sudhanshu Choudhary
3	K. Anjali Rao	Sample Rate Converter: Design and Application	2024	Prof. Neetesh Purohit
4	Pratiksha Shukla	Energy Efficient and Reliable Hybrid MTJ / CMOS Magnetic Logic Circuit	2024	Dr. Prasanna Kumar Misra Dr. Pramod Kumar
5	Priya Sharma	Study and Design of Rf Energy Harvesting Rectennas for Prolonging the Life Time of Wireless Sensor Networks	2024	Dr. Ashutosh Kumar Singh
6	Surendra Kumar	Study of Electrical, Electronic and Optical Properties of 2D Molybdenum Trioxides (MoO ₃) and Di-Chalcogenides MoX ₂ (X = S and Se)	2024	Dr. Sanjai Singh and Dr. Pramod Kumar
7	Rinki Maurya	Design and Stability Analysis of DC Microgrids	2025	Dr. Ashutosh Kumar Singh
8	Divya Dubey	Oxide TFTs: CAD Framework and Pixel Circuits for AMOLED Displays	2025	Dr. Kavindra Kandpal
9	Suyash Kumar Singh	Machine Learning Assisted Minimally Invasive Microwave Ablation Antennas for Tumor Treatment	2025	Dr. Amar Nath Yadav
10	Vyom Kumar Gupta	Design and Implementation of High-Performance Computational Frameworks for E-Nose Applications	2025	Dr. Sunny

Invited Talk / Lecture Delivered in Other Institutions

Sl. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
1	Dr. Suneel Yadav	Ambient Backscatter Communications for Future Wireless Networks	IIIT Jabalpur	16/06/2024	16/06/2024
2	Dr. Suneel Yadav	Performance Analysis of Ambient Backscatter Communications: A Mathematical Modelling and Simulation Study	IIIT Jabalpur	16/06/2024	16/06/2024
3	Dr. Kavindra Kandpal	Navigating the Path to VLSI Industry: Motivation and Challenges from Students' Perspective	GEHU Bhimtal	23/04/2024	-
4	Dr. Sunny Sharma	Gas Sensors for Industrial and Biomedical Applications: From Lab to Daily Life.	MNNIT Allahabad	04/06/2024	05/06/2024
5	Dr. Ashutosh Kumar Singh	Fuzzy Logic Based Life time Enhancement of Wireless Sensor Networks	ITM, GIDA, Gorakhpur	27/04/2024	27/04/2024
6	Dr. Ashutosh Kumar Singh	Fuzzy Logic based phyllotaxy pattern solar tree fed automated DC irrigation system for riverbed areas	CIST - 2025	24/04/2024	26/04/2024
7	Dr. Suneel Yadav	Physical Layer Security in Simultaneously Transmitting and Reflecting RIS-aided Wireless Communications" in Workshop on Reconfigurable Intelligent Surface for 6G	VNIT Nagpur	24/03/2025	29/03/2025



Sl. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
8	Dr. Suneel Yadav	Ambient Backscatter for Future Machine Type Communications" in MMTC-UGC Sponsored Refresher Course on Wireless Communication	IIITDM Kancheepuram	17/03/2025	29/03/2025
9	Dr. Radhika Gour	Empowering V2V Communications Using STAR-RIS	IIITDM Kancheepuram	17/03/2025	29/03/2025
10	Dr. Rekha Verma	Invited Speaker, IEEE-EDS Workshop on Devices and Circuits, Srinagar	IEEE EDS & UP Section, IIT Kanpur and IIT Jammu	11/06/2024	15/06/2024
11	Dr. Rekha Verma	Invited Speaker, IEEE-EDS Workshop on Devices and Circuits, Goa	IEEE EDS & UP Section and IIT Kanpur	17/01/2025	21/01/2025

Seminar / Conference / Workshop / STP / FDP / etc. Organised

Sl. No.	Faculty Name	Role	Name of Seminar/Conf./ Workshop/STP/FDP etc.	Organizer	Duration
1	Prof. Manish Goswami	Co-coordinator	VLSI Conclave	IIIT Allahabad	15-24 Feb 2025
2	Dr. Kavindra Kandpal	Convener	VLSI Conclave	IIIT Allahabad	15-24 Feb 2025
3	Dr. Suneel Yadav	Organizing Secretary	CICT Conference, 2024	IIIT Allahabad	6-8 Dec 2024
4	Dr. Suneel Yadav	Co-coordinator	Workshop on Design and development of antennas and RF components for 5G wireless Communication	FIST Lab, IIIT Allahabad	23-27 Sep 2024
5	Dr. Radhika Gour		8 th IEEE International Conference on Information and Communication Technology (CICT)	Organizer and publication chair	6-8 Dec 2024
6	Dr. Amar Nath Yadav	Co-coordinator	Design and development of antennas and RF components for 5G wireless Communication	DoECE, IIIT Allahabad	23-27 Sep 2024
7	Dr. Rekha Verma	Organizing Chair (Special Tracks)	International Conference on Information Communication Technology (CICT)	IIIT Allahabad	06-08 Dec 2024
8	Dr. Sunny	Co-Organizer and Chair (Publication)	International Conference on Information and Communication Technology (CICT) 2024	IIIT-Allahabad,] Prayagraj	06-08 Dec 2024

Seminar/Conference /Workshop/STP/FDP etc. Attended

Sl. No.	Faculty Name	Activity Details	Organizer	Duration
1	Prof. Manish Goswami	Workshop @IIT Roorkee on Robust and Reliable VLSI Circuits	IIT Roorkee	28 Feb-2 Mar 2025
2	Dr. Kavindra Kandpal	Attended workshop on Robust and Reliable VLSI Circuit Design	IIT Roorkee	28 Feb-2 Mar 2025



Sl. No.	Faculty Name	Activity Details	Organizer	Duration
3	Dr. Suneel Yadav	User Acceptance Testing (UAT) of 5G use case lab conducted by CORAL Telecom Limited and DoT	DoT & IIITA	07-11 Mar 2025
4	Dr. Suneel Yadav	One-day workshop on Training support by Qualcomm for 100 5G use case labs	DoT	11 Feb 2025
5	Dr. Suneel Yadav	Two-day workshop on Demonstration of 5G use case lab	DoT	15-16 Jan 2025
6	Dr. Suneel Yadav	CORAL workshop on Deployment on 5G use case lab and preparation for UAT of the Labs	CORAL Tech	29 Oct 2024
7	Dr. Suneel Yadav	One-day workshop on "100 5G use case lab"	DoT	16 Oct 2024
8	Dr. Suneel Yadav	Telecommunications Standardization Awareness	DoT	08 May 2024
9	Dr. Suneel Yadav	Next Generation MIMO by Emil Bjornson	One6G	20 Jun 2024
10	Dr. Suneel Yadav	CICT Conference, 2024	IIITA	6-8 Dec 2024
11	Dr. Radhika Gour	Demonstration of 5G use case lab	DoT	15-16 Jan 2025
12	Dr. Radhika Gour	IEEE 5G/6G innovation testbed	IEEE	7 Nov 2024
13	Dr. Radhika Gour	5G use case lab	TCIL	Oct 2024
14	Dr. Radhika Gour	Commissioning and installation of 5G lab	TCIL	Jul 2024
15	Dr. Radhika Gour	5G/6G hackathon	DoT and TCOE	Sept 2024
16	Dr. Radhika Gour	Telecommunication Standardization Awareness	DoT	8 May 2024

Other Activities

Sl. No.	Faculty Name	Activity Details
1	Sitangshu Bhattacharya	MoU has been signed between the Indian Institute of Information Technology Allahabad (IIITA) and a consortium of reputed institutions and organizations from the Czech Republic under European Union (EU) Ministry of Education

Future Plan

- The following are the on-going and future thrust areas of the ECE department of IIITA.
 - The ECE department of IIIT Allahabad has already established a RF and Wireless research lab under FIST programme with the help of the Department of Science and Technology (DST). This lab is equipped with fabrication and measurement facilities for RF/Microwave devices and antennas up to 40 GHz. In the future, this lab can be upgraded for the characterization of microwave devices and antennas up to THz applications for future communication systems.
 - The ECE department of IIIT Allahabad is initiating a 5G use cases lab, with funding from the Government of India. The goal of this lab is to generate awareness about 5G technology among society, which will lead to further upgrading India's vision for 6G and future communication networks.



- The ECE department is working in collaboration with the Applied Science department of IIITA in the domain of VLSI Technologies, VLSI Design, and Nano-electronics.
- We are aligned with India's semiconductor mission, and with the funding from government, alumni, and other PVT organizations, we will target forming a Centre of VLSI Design.
- In the future, the ECE department will focus more on certificates, diplomas, and UG and PG programs on IC manufacturing, Quantum Technologies, and embedded/VLSI system design.
- The ECE department is also working towards the creation of facilities for the design and synthesis of quantum materials for the fabrication of quantum devices.
- We are planning to introduce many new courses focusing on the needs of industries.
- The ECE department will focus on developing a full flash process for ultra-thin film deposition. Enhance the device / film characterization capability.
- The ECE department is continuously developing and maintaining the AI based labs to meet the vision of Trustworthy and safe AI.



Department of Applied Sciences

(<https://as.iiita.ac.in>)

Head of the Department

Dr. Pramod Kumar, Associate Professor

Introduction

The Department of Applied Sciences is an integral component of the academic ecosystem of the Indian Institute of Information Technology Allahabad. The department offers multiple core courses in Physics, Mathematics, and Statistics for B.Tech. programs running at IIIT Allahabad. The department offers M.Tech. courses in Bioinformatics and Biomedical Engineering. The department consists of three major specialized disciplines:

1. Bioinformatics/Biomedical Engineering
2. Mathematics
3. Physics

Several elective courses are also offered for various B.Tech. and M.Tech. programs in the genres of BI, BME, Mathematics, and Physics. The department offers opportunities for motivated and talented students to pursue advanced research in frontier areas of basic and applied sciences, engineering, and technology.

Major Areas of Research

- Topological Graph Theory, Algebraic Graph Theory, Chemical Graph Theory, Combinatorial Topology
- Experimental Condensed Matter Physics, Renewable Energy Sources, Computational Materials Science, Electroceramics, and Machine Learning for Materials Science
- Biomedical Engineering, Bioinformatics, Bio-MEMS; Nanotechnology, Microfluidics, Biosensors, Biomechanics
- Classical and Quantum Gravity, Black Holes, Non-Linear Dynamics
- Nanobiotechnology for the Design of Biosensors and Nanomedicines, including Antibacterial and Anti-cancer Agents
- Statistical Inference, Survival Analysis and Change Point Problems
- Fractal Geometry, Approximation Theory, Geometric Measure Theory, Fixed Point Theory, Fractal Dimension, Positive Operators
- Algebra and Number Theory
- Machine Learning, Simulation, Optimisation, Digital Signal and Image Processing, Automated Diagnostics, Computational Structural Biology

Courses

UG

• Linear Algebra	• Discrete Mathematics
• Engineering Physics	• Fundamentals of materials informatics: tools and applications
• Infectious Disease Modelling	• Probability and Statistics
• Next-generation Sequencing	• Bioinformatics
• Machine Learning in Biological Systems	• Cheminformatics
• Fractal Geometry	• Reinforcement Learning
• Topological Quantum Materials	• Bio-Mems
• Numerical Methods	• Biology for Engineers

**PG**

• Materials Informatics	• M.Tech. Bioinformatics
• M.Tech. Biomedical Engineering	• Omics
• Biological Data Analytics	• Scripting and computer environment
• Research Methodology & IPR	• Data Structure & Algorithm
• Biomedical circuits and Instrumentation	• Biomechanics
• Anatomy and Physiology	• Molecular Biology
• Bio-signal Processing	• Biomath and Biostatistics
• Machine Learning in Biological Systems	• Numerical Methods

Ph.D. (AS) in following subjects

• Electrodynamics	• Classical and quantum gravity; statistical mechanics: advanced methods
• Biomedical Engineering	• Nanoenzymes for Detection of Biomolecules (PC-AS-NDB504)
• Biomedical Micro-Electromechanical Systems	• Survival Analysis
• Bioinformatic	• Change Point Problem
• Biological Data Analysis Tools and Algorithms (PC-AS-BDA504)	• Quantum and Statistical Mechanics
• Solid State Physics	

Lab Facilities

• Ball-Mill	• High temperature furnace
• LCR meter	• VNA
• BioMEMS, Nanotechnology Lab	• UV-Vis spectroscopy (Lambda 365+, PerkinElmer)

Faculty Members

1	2
 Prof. Tapobrata Lahiri Designation: Professor Date of Joining: 03.07.2003 Research Interests: Machine Learning, Simulation, Optimization, Digital Signal and Image Processing, Automated diagnostics, Computational Structural Biology.	 Prof. Prithish Kumar Varadwaj Designation: Professor Date of Joining: 11.07.2004 Research Interests: Big Data Analysis, Machine Learning, Genomics, Structural Biology.
3	4
 Dr. Ashutosh Mishra Designation: Associate Professor Date of Joining: 29.11.2012 Research Interests: Bioelectrics, Biomechanics, Machine Learning.	 Dr. Pramod Kumar Designation: Associate Professor Date of Joining: 03.09.2012 Research Interests: Experimental condensed matter.



5

**Dr. Akhilesh Tiwari**

Designation: Associate Professor

Date of Joining: 29.08.2012

Research Interests: Photonic band gap materials, Metamaterials, Modeling and Simulation.

6

**Dr. Nidhi Mishra**

Designation: Associate Professor

Date of Joining: 19.10.2012

Research Interests: Synthetic Medicinal Chemistry, Natural Product Chemistry.

7

**Dr. Amit Prabhakar**

Designation: Associate Professor

Date of Joining: 30.10.2012

Research Interests: Bio-MEMS, Microfluidics, Biosensors.

8

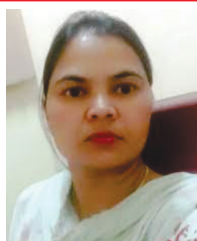
**Dr. Ratan K Saha**

Designation: Associate Professor

Date of Joining: 20.01.2016

Research Interests: Ultrasonic/ photo acoustic imaging and tissue characterization.

9

**Dr. Sangeeta Singh**

Designation: Assistant Professor

Date of Joining: 31.10.2012

Research Interests: Biofilms, Antimicrobials, Stem cells.

10

**Dr. Sintu Kumar Samanta**

Designation: Assistant Professor

Date of Joining: 16.03.2016

Research Interests: Multidrug resistance and post-translational modifications in mycobacteria.

11

**Dr. B. S. Sanjeev**

Designation: Assistant Professor

Date of Joining: 31.05.2005

Research Interests: Structural Biology, Parallel Computing, MD Simulations.

12

**Dr. Abdullah Bin Abu Baker**

Designation: Assistant Professor

Date of Joining: 21.07.2015

Research Interests: Functional Analysis.

13

**Dr. Srijit Bhattacharjee**

Designation: Assistant Professor

Date of Joining: 18.07.2016

Research Interests: Quantum Field Theory, Gravitation, Black Holes.

14

**Dr. Sumit Kumar Upadhyay**

Designation: Assistant Professor

Date of Joining: 12.01.2016

Research Interests: Commutative Algebra.



15

**Dr. Amaresh Kumar Sahoo**

Designation: Assistant Professor

Date of Joining: 29.01.2016

Research Interests: Nanobiotechnology,
Drug delivery, Biosensors.

16

**Dr. Anand Kumar Tiwari**

Designation: Assistant Professor

Date of Joining: 01.02.2016

Research Interests: Combinatorial
Topology.

17

**Dr. Seema Kushwaha**

Designation: Assistant Professor

Date of Joining: 01.02.2019

Research Interests: Number Theory.

18

**Dr. Savitri Joshi**

Designation: Assistant Professor

Date of Joining: 01.10.2019

Research Interests: Survival Analysis,
Statistical Inference.

19

**Dr. Saurabh Verma**

Designation: Assistant Professor

Date of Joining: 23.03.2021

Research Interests: Fractal Geometry,
Approximation Theory.

20

**Dr. Upendra Kumar**

Designation: Assistant Professor

Date of Joining: 01.04.2021

Research Interests: Experimental
Condensed Matter Physics;
Electroceramics.

New Courses Developed

Sl. No.	Course Title	Course No.	Course Program	Faculty Name
1	Topological Quantum Materials	TQM	Elective	Dr. Pramod Kumar
2	Tomography Imaging		Elective for B.Tech., M.Tech. and PhD students	Dr. Ratan K Saha
3	Physics of Biomedical Photoacoustics		PhD Students	Dr. Ratan K Saha
4	Medical Image Processing		Elective for B.Tech., M.Tech. Students	Dr. Ratan K Saha Dr. Amaresh Kumar Sahoo
5	Medical Sensors and Actuators		Biomedical Engineering	Dr. Amit Prabhakar

Minor in Biological Data Analytics Course Curriculum

1	Proteomics and Genomics		Minor Elective	Dr Sintu Samanta
2	Next Generation Sequencing		Minor Elective	Prof. Prithish Varadwaj
3	Cheminformatics for Engineers		Minor Elective	Dr Nidhi Mishra
4	Systems Biology and Modeling		Minor Elective	Dr Amaresh Sahoo
5	Molecular Structure Prediction		Minor Elective	Prof. Tapobrata Lahiri



Minor in Medical Diagnostics and Therapeutic Technology Curriculum				
1	Basics of Human Anatomy Physiology		Minor Elective	Dr Sangeeta Singh
2	Biomedical Instrumentation		Minor Elective	Dr Ashutosh Mishra
3	Bio-MEMs and Nanotechnology		Minor Elective	Dr Amit Prabhakar and Dr Amaresh Sahoo
4	Medical Imaging		Minor Elective	Dr Ratan Saha
5	Tissue engineering and Gene therapy		Minor Elective	Dr Amit Prabhakar; Dr Sangeeta Singh
Minor: Frontiers in Physics				
1	Light Matter Interaction		Minor Elective	Dr. Akhilesh Tiwari
2	Physics of Space and Time		Minor Elective	Dr. Srijit Bhattacharjee & Dr. Upendra Kumar
3	Magnetic Materials and Applications		Minor Elective	Dr. Pramod Kumar
4	Quantum Materials & Devices		Minor Elective	Dr. Pramod Kumar & Dr. Upendra Kumar
5	Green Energy Physics		Minor Elective	Dr. Upendra Kumar

Doctoral Theses Guided

Sl. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Nimisha Roy	A Hepatic Cell-on-Chip Platform for Drug and Toxicity Testing	2024	Dr. Amit Prabhakar
2	Yogendra Singh	A Study of Doubly Semi-Equivelar Maps on The Plane, Torus, and Klein Bottle	2024	Dr. Anand Kumar Tiwari
3	Amar Dhvaj	Customization of the 2d/3d CNC-System for The Microfabrication of Precise Polymeric Microstructures Used for Biomedical Application	2024	Dr. Amit Prabhakar
4	Princy Choudhary	Studies on Trans differentiation of Mesenchymal Stem Cells into Neurons	2024	Dr. Sangeeta Singh
5	Anamika Mishra	Study The Anticancer Effects of Indian Medicinal Plants Viz. Neolamarckia Cadamba, Carica Papaya, Punica Granatum, and Ganoderma Lucidum Using in Silico and In Vitro Methods	2024	Dr. Nidhi Mishra
6	Saurabh Shivalkar	Autonomously Moving Hybrid Micro and Nanobots for Toxic Pollutant Remediation and Drug Delivery	2024	Dr. Amaresh Kuamr Sahoo
7	Shagun Varshney	Chemo-Mechanical Isolation of Nanocellulose from Rice Husk for The Fabrication of Biocomposites Using Poly (ϵ -Caprolactone) As Matrix for Wound Healing Applications	2024	Dr. Nidhi Mishra
8	Ayushi Gupta	Studies on Sustained release of growth factors for MSCs differentiation into neuronal cells	2024	Dr. Sangeeta Singh
9	Vishal	Multi-Targeting in Triple Negative Breast Cancer Using Bioactive Molecules and Ultra-Small Size Nanoclusters	2024	Dr. Amaresh Kuamr Sahoo and Prof. Prithish Varadwaj
10	Subhodeep Sarkar	A Descent into the Maelstrom: Probing the near-horizon structure of black holes using perturbative techniques	2024	Dr. Srijit Bhattacharjee



Invited Talk / Lecture Delivered in Other Institutions

Sl. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
1	Dr. Srijit Bhattacharjee	A Journey Through the Second Quantum Revolution.	Sikkim University	21/03/2025	22/03/2025
2	Dr. Srijit Bhattacharjee	Super translations in Asymptotically Flat Space times	HEP Theory group, IIT Kanpur	26/09/2024	
3	Dr. Ratan K Saha	Photoacoustic emission from blood: Theoretical estimations and experimental findings	LMA, Aix-Marseille University, Marseille, France	09/12/2024	09/12/2024
4	Dr. Upendra Kumar	"Introduction to Quantum Gates"	(QIT-2025)	17-18/03/2025	17-18/03/2025
5	Dr. Savitri Joshi	FDP Introduction to Mathematica I Biology: From Theory to Applications	School of Advanced Sciences of VIT Vellore	07/06/2024	09/06/2024
6	Dr. Seema Kushwaha	Groups, Rings and Continued Fractions	IIIT Allahabad	05/04/2024	07/04/2024

Seminar / Conference / Workshop / STP / FDP / etc. Organised

Sl. No.	Faculty Name	Role	Name of Seminar/Conf./Workshop/STP/FDP etc.	Organizer	Duration
1	Dr. Srijit Bhattacharjee	Convener	Emerging Trends of Quantum Science and Technology	IIIT Allahabad	14 December 2024
2	Dr. Upendra Kumar	Convener	Two-Day Symposium and Workshop on "Quantum Science & Technology"	IIIT Allahabad	17-18, March 2025

Other Activities

Sl. No.	Faculty Name	Activity Details	Duration
1	Dr. Srijit Bhattacharjee	Visiting Associate of IUCAA, Pune	2023-2026

Fellowships of academic and professional societies

Sl. No.	Faculty Name	Details of Fellowship
1	Dr. Ratan K Saha	Obtained financial support from INSA to attend a conference
2	Dr. Srijit Bhattacharjee	Visiting Associate of IUCAA for three years starting from 2023
3	Dr. Amaresh K Sahoo	Member IEEE
4	Dr. Amaresh K Sahoo	Member ACS
5	Dr. Upendra Kumar	Senior Member IEEE
6	Dr. Savitri Joshi	Life Time Membership of Indian Society for Medical Statistics (ISMS)
7	Dr. Savitri Joshi	Life Time Membership of Indian Society for Probability and Statistics (ISPS)
8	Dr. Savitri Joshi	Life Time Membership of International Indian Statistics Association (IISA)



Sl. No.	Faculty Name	Details of Fellowship
9	Dr. Seema Kushwaha	The Indian Mathematical Society (IMS)
10	Dr. Upendra Kumar	Member, National Academy of Sciences
11	Dr. Upendra Kumar	Associate Member, Institute of Physics

Editorial Boards of Journals

Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
1	Dr. Pramod Kumar	Executive Guest Editor	Optik journal	Elsevier
2	Dr. Pramod Kumar	Guest Editor	Nano Express	IOP
3	Dr. Pramod Kumar	Reviewers	ACS applied electronic materials	ACS
4	Dr. Pramod Kumar	Reviewers	Chem Photo Chem	Elsevier
5	Dr. Pramod Kumar	Reviewers	Heliyon	Elsevier
6	Dr. Pramod Kumar	Reviewers	Journal of chemical physics	AIP
7	Dr. Pramod Kumar	Reviewers	Journal of materials science. Materials in electronics	Springer
8	Dr. Pramod Kumar	Reviewers	NPG Asia materials.	Springer
9	Dr. Pramod Kumar	Reviewers	Sensors and actuators	Elsevier
10	Dr. Pramod Kumar	Reviewers	Physica status solidi	Wiley
11	Dr. Pramod Kumar	Reviewers	Advanced functional materials	Wiley
12	Dr. Saurabh Verma	Guest editor of a special issue, "Recent Trends in Fractal Dimension, Fractal Functions, and Fractal Measures: Theory and Applications"	Chaos, Solitons and Fractals	Elsevier
13	Dr. Saurabh Verma	Guest editor of a special issue, "Fractal Dimension and Fractional Calculus."	Fractals	World Scientific
14	Dr. Saurabh Verma	Guest editor of a special issue "Symmetry in Differential Geometry and Geometric Analysis"	Symmetry	MDPI
15	Dr. Saurabh Verma	Guest editor of a special issue "Fractal Geometry and Dynamical Systems"	Fractal and Fractional	MDPI
16	Dr. Saurabh Verma	Reviewer	Review activity for MathSciNet AMS, Contemporary Math AMS, Fractional calculus and applied analysis, Indagationes-Mathematicae, Numerical algorithms, Set-valued analysis, Fractals, Soil Dynamics and Earthquake Engineering,	AMS, Elsevier, Springer, World Scientific, MDPI



Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
			The Journal of Analysis, Mathematics, Fractal and Fractional, Indian Journal of Pure and Applied Mathematics.	
17	Prof. Tapobrata Lahiri	Member of Editorial Board	International Journal of Sickle Cell Disease and Blood Disorders (IJSCDBD)	Sickle Cell Institute, India
18	Prof. Tapobrata Lahiri	Reviewer	IEEE/ACM Transactions on Computational Biology and Bioinformatics	IEEE
19	Prof. Tapobrata Lahiri	Reviewer	IEEE Transaction on Pattern Analysis and Machine Intelligence	IEEE
20	Prof. Tapobrata Lahiri	Reviewer	IEEE Intelligent Systems	IEEE
21	Dr. Ratan K. Saha	Reviewer	Photoacoustics	Elsevier
22	Dr. Ratan K. Saha	Reviewer	IEEE South Asian Ultrasonics Symposium	IEEE
23	Dr. Ratan K. Saha	Reviewer	ACS Photonics	ACS
24	Dr. Ratan K. Saha	Reviewer	Project proposals	DBT
25	Dr. Amit Prabhakar	Reviewer	Transactions of the Indian National Academy of Engineering Letters.	
26	Dr. Amit Prabhakar	Reviewer	Proceedings of the National Academy of Sciences, Physical Sciences	
27	Dr. Amit Prabhakar	Reviewer	Scientific Reports, Nature	
28	Dr. Amit Prabhakar	Reviewer	EEE Journal of Microelectro mechanical Systems	
29	Dr. Amit Prabhakar	Reviewer	Optomechatronics	
30	Dr. Amit Prabhakar	Reviewer	Micromachines	
31	Dr. Amit Prabhakar	Reviewer	Additive Manufacturing	
32	Dr. Srijit Bhattacharjee	Reviewer	Journal of High Energy Physics, General Relativity; Gravity, Classical; Quantum Gravity	Springe Springer IOP
33	Dr. Upendra Kumar	Academic Editor	Advances in Condensed Matter Physics	Wiley
34	Dr. Upendra Kumar	Review Editor	Frontiers in Electronic Materials	Frontiers
35	Dr. Upendra Kumar	Advisory Topical Panel	Materials	MDPI
36	Dr. Amit Prabhakar	Reviewer	i Science	
37	Dr. Savitri Joshi	Reviewer	Asian Journal of Probability and Statistics	Science Domain International
38	Dr. Seema Kushwaha	Reviewer	Mathematical Reviews	American Math Society
39	Dr. Srijit Bhattacharjee	Reviewer	Classical & Quantum Gravity	IOP Publishing



Department of Management Studies

(<https://mba.iiita.ac.in>)

Head of the Department

Dr. Pragya Singh, Assistant Professor

Introduction

The Department of Management Studies came into existence in 2004 and is constituted by the philosophy of running and managing the programs with a focus on management & technology. Propelling academic excellence through an innovative pedagogy of blended learning to inculcate all-around self-development by creativity, knowledge exchange, empowerment, and enrichment of students and faculty members. The department offers two programs two Years Full-Time MBA & Full Time Degree Ph.D. which are the backbone of the department to cater to the objective of attaining academic excellence through horizontal & vertical growth.

Objectives

The objectives of the MBA program offered by the Department of Management Studies are:

To engage students in the management curriculum, equipping them with the infrastructural development, pedagogy, innovative teaching, and learning methods which is the heart of management at the department & will serve and nurture them aptly.

Providing the Skillset to develop the experience of working in a cross-cultural setup.

To meet industry requirements to help & blend the students with learning of management as an art.

Major Areas of Research

Human Resource Management, Finance, Marketing, IT, Operation Research and Entrepreneurship Development.

Courses

MBA Core (subjects running across all IV semesters) + Elective Baskets (Human Resource Management, Finance, Marketing, IT, Operation Research & Entrepreneurship Development)

UG

NEP Compliant Course for UG Program

• Fintech	• Fundamentals of Entrepreneurship
• Entrepreneurship and Innovation	• Economics and Finance for Engineers
• Design Thinking	• Personality Development and Life Skills
• Performing Arts	• Visual Arts

PG

• Cloud Computing	• Data Mining and Data Warehousing
-------------------	------------------------------------

Ph.D. (MS) in following subjects

• Human Resource Management	• Marketing
• Finance	• Information Technology
• Operation Research	• Entrepreneurship Development



Lab Facilities

• MBA-Computerised Lab	• Operations and Sustainability Lab
• PhD-Computerised Lab	• Neuro Marketing Lab
• Communication Skill Lab	

Faculty Members

1



Dr. Vijaishri Tewari

Designation: Professor

Date of Joining: 24.05.2005

Research Interests: Work Culture & Organizational Citizenship Behavior, Employer Branding & Employee Retention, Emotional Intelligence & Psychological Contract, Green and Sustainable HRM, Strategic HR & Talent Analytics, Creativity and Soft Skills, HR Technology and E-HR, Competency Mapping and Behavioral Assessment

2



Dr. Ranjit Singh

Designation: Professor

Date of Joining: 02.05.2013

Research Interests: Accounting, Finance, Behavioural Finance, Fintech, Entrepreneurship Development

3



Dr. Madhvendra Misra

Designation: Professor

Date of Joining: 24.05.2005

Research Interests: Alternative consumption Expression amongst consumers, Motivational Drivers in Digital Engagement, Forecasting Product & Service Innovation in FinTech & Retail technologies, Data-Driven Marketing, Behavior Analytics, IT/IS integration to businesses, Neuromarketing.

4



Dr. Anurika Vaish

Designation: Associate Professor

Date of Joining: 24.05.2005

Research Interests: Economics, Finance & Accounting, Business Intelligence, Management & Analytics, Risk, Behaviour, Strategies & Modelling, Financial Inclusion & Digital revolution.

5



Dr. Shailendra Kumar

Designation: Associate Professor

Date of Joining: 01.01.2013

Research Interests: Corporate Finance, Investment Management, Asset Pricing, International Financial Management, Asset Management, Financial Inclusion

6



Dr. Pragya Singh

Designation: Assistant Professor

Date of Joining: 13.09.2012

Research Interests: Marketing: Marketing, Green Marketing, Digital Marketing, Tourism, Sustainability, Consumer Behavior, Finance: Finance, Green Finance, Financial Literacy, Cryptocurrency, HR: Emotional Intelligence, Leadership Development, Conflict Management



7

**Dr. Vineet Tiwari**

Designation: Assistant Professor
 Date of Joining: 11.07.2016
 Research Interests: Sustainability and Climate Change, Coal, Energy, Water, and Environment Modeling and Policy Analysis, Sustainable Management Practices (GHRM, GSCM, GCSR), ESG, Circular Economy, Operations and Supply Chain & Logistics Management, Crowdfunding, Digital Platform, Sharing Economy, Crowd Management

8

**Dr. Utkarsh Goel**

Designation: Assistant Professor
 Date of Joining: 29.06.2016
 Research Interests: Digital Finance, Behavioral Insights in Finance, Corporate Finance, Financial Inclusion, IT Strategy, Efficiency Analysis

9

**Dr. Saurabh Mishra**

Designation: Assistant Professor
 Date of Joining: 03.07.2010
 Research Interests: Digital & Social Media Marketing, AI in Marketing, Gamification, Business Intelligence

10

**Dr. Shashi Kant Rai**

Designation: Assistant Professor
 Date of Joining: 04.07.2010
 Research Interests: Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, Agricultural Supply Chain Management, Perishable Food Supply Chain Optimization, Dairy Production Optimization using AI and ML, Supply Chain Management (SCM), Cyber Security, Agriculture Forecasting, and Precision Agriculture

11

**Dr. Sudipta Das**

Designation: Assistant Professor
 Date of Joining: 19.07.2016
 Research Interests: Corporate Finance, Financial Modelling, Investments, Financial Econometrics.

New Courses Developed

Sl. No.	Course Title	Course No.	Course Program	Faculty Name
1	Multidisciplinary Minor courses developed as per NEP ordinance.		B.Tech (IT & ECE)	Lt. Dr. Pragya Singh
2	Fundamental of Entrepreneurship		B.Tech	Dr. Anurika Vaish
3	Economics		M.B.A	Dr. Anurika Vaish



Doctoral Theses Guided

Sl. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Jyoti Prakash Das	Effects of Corporate Hedging practice on Firm's Value and its Risk: An Empirical study on Indian MNCs	August 2024	Dr. Shailendra Kumar
2	Nimisha Singh	Examining the Trust quotient and its acceptability to analyse the shift in Gig Economy	2025	Dr. Anurika Vaish

Invited Talk / Lecture Delivered in Other Institutions

Sl. No.	Faculty Name	Seminar Title	Organizer	Level	Start Date	End Date	Role
1	Dr. Vineet Tiwari	Synchronizing energy transitions toward possible Net Zero for India: Affordable and clean energy for all	IIM Ahmedabad	Expert	07/08/2024	07/08/2024	Invitation to the discussion meeting
2	Dr. Vineet Tiwari	SOP for the large gathering along the river banks	NIUA (MoHUA)	Expert	01/07/2024	01/07/2024	Invitation for Expert consultation workshop
3	Dr. Shailendra Kumar	Rethink, Reimagine, and Redesign Business for Meaningful and Mindful Impact	Fortune Institute of International Business (FIIB), New Delhi.	Researchers	15/10/2024	15/10/2024	Chaired the session

Seminar / Conference / Workshop / STP / FDP / etc. Organised

Sl. No.	Faculty Name	Role	Name of Seminar/Conf./Workshop/STP/FDP etc.	Organizer	Duration
1	Dr. Vineet Tiwari	Organizing Chair of Finance and Sponsorship	International Conference on Information and Communication Technology (CICT), IEEE CICT	IIIT Allahabad	06-08 December 2024
2	Dr. Vineet Tiwari	Session Chair	Religious Tourism in India: Perspectives and Potential" - Sponsored by ICSSR	IIIT Allahabad	07-08 March 2025
3	Lt. Dr. Pragya Singh	Coordinator	Advanced Entrepreneurship and Skill Development Program (A-ESDP)	IIIT Allahabad	10-14 February 2025
4	Dr. Shailendra Kumar	Organizer (Conference Chair)	Exploring Religious Tourism in Uttar Pradesh: Perspectives and Potential	ICSSR Sponsored National Conference	7-8 March, 2025
5	Prof. Ranjit Singh	Organizer	Management Development Programme on Behavioural Finance at Assam Royal Global University, Guwahati		21-22nd February 2025
6	Dr. Anurika Vaish	Nodal Officer /Co-PI	Augmenting the skill-set for new generation cyber security entrepreneur	Ministry of Micro, Small & Medium Enterprises (MSME)	05 days



Seminar/Conference /Workshop/STP/FDP etc. Attended

Sl. No.	Faculty Name	Activity Details	Organizer	Duration
1	Lt. Dr. Pragya Singh	CBDE Workshop	Indian Institute of Information Technology, Gwalior	06-07 March 2025
2	Dr. Shailendra Kumar	“Value Relevance of Corporate Hedging Practices in the Indian Manufacturing Sector”	British Accounting & Finance Association (BAFA) Annual Conference with Doctoral Masterclasses 2024, at the University of Portsmouth, Portsmouth (UK).	08-10 April 2024
3	Dr. Anurika Vaish	One-day training program on POSH Act 2013 (The sexual harassment (prevention, prohibition and redressal) Act 2013)	Tech Trainers and Testers, Pune	01 day
4	Dr. Anurika Vaish	Two-day workshop on pedagogy to promote design and entrepreneurship	IIITM Gwalior	02 days
5	Dr. Anurika Vaish	Advance Management Development Program(A-MDP) on IPR & Risk Management	National Institute of Technology (NIT) Srinagar	06 days

Editorial Boards of Journals

Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
1	Lt. Dr. Pragya Singh	Session Chair	30th International Conference on IT Application and Management, Nepal	ITAMS, SOUTH KOREA
2	Lt. Dr. Pragya Singh	February 2025	American Marketing Association, USA	
3	Dr. Shailendra Kumar	Reviewer- 2024 AMA Winter conference- February 2024		American Marketing Association, USA
4	Dr. Shailendra Kumar	Reviewers	Humanities and Social Sciences Communications	
5	Dr. Shailendra Kumar	Reviewers	Applied Economics	Springer Nature
6	Dr. Anurika Vaish	Reviewers	FIIB Business Review	Routledge Publications
7	Dr. Anurika Vaish	Reviewers	Asia Pacific Journal of Information Systems(APJIS)	Sage Publication
8	Dr. Anurika Vaish	Reviewers	International Conference ICMME	
9	Dr. Anurika Vaish	Reviewers	SIU-INCONSUM-2010 for Symbiosis Institute of International Business, Pune	
10	Dr. Anurika Vaish	Reviewers	Institute of Professional Education and Research, Bhopal	
11	Dr. Anurika Vaish	Reviewers	Usable, Deliverable and Updatable Research (UDUR) Model	
12	Dr. Anurika Vaish	Reviewers	International Journal of Management and Business Studies, Cosmic Journal Group	



Sl. No.	Faculty Name	Role (Editor, Reviewer, Member etc.)	Journal Name	Publisher
13	Dr. Anurika Vaish	Reviewers	Qualitative Research in Financial Markets, Emerald.	
14	Dr. Anurika Vaish	Reviewers	International Journal of scientific research and management (IJSRM)	
15	Dr. Sudipta Das	Reviewers	Business and Management Research Journal	
16	Dr. Sudipta Das	Reviewers	Operations Research Forum	
17	Dr. Sudipta Das	Reviewers	Journal of Social and Economic Development	Sage Publication

Honours and Awards

Sl. No.	Faculty Name	Award Name	Awarded by	Year
1	Lt. Dr. Pragya Singh	Certificate of Session Chair	30th International Conference on IT Application and Management, Nepal	2025
2	Lt. Dr. Pragya Singh	Certificate of Distinction for Excellence in Teaching	Hof University, GERMANY	2025
3	Lt. Dr. Pragya Singh	Certificate of Teaching Activities	University of Cagliari, ITALY	2025
4	Lt. Dr. Pragya Singh	Rotary Prayagraj Sangam	Inspiring Women Awards- PRAYAGRAJ	2025

Other Activities

Sl. No.	Faculty Name	Activity Details	Year
1	Dr. Utkarsh Goel, Dr. Shailendra Kumar	Research Project: Assessing Tourists' Perspectives on Religious Tourism in Eastern Uttar Pradesh: Infrastructure, Safety, and Cultural Experiences	2024-2025
2	Dr. Vineet Tiwari and Dr. Sudipta Das	Research Project sponsored by the Indian Council of Social Science Research (ICSSR), Govt. of India titled Assessing the Socio-Economic Impact of Solar Energy in UP East and Gujarat: A Comparative Study	2025
3	Lt. Dr. Pragya Singh	Commission Course PRCN-SW-111 DGNCC- ARMY WING at NCC Officers' Training Academy, Gwalior, INDIA, completed in December 2024	2024
4	Dr. Shailendra Kumar	Member- Board of Studies Graphic Era University, Dehradun (Uttarakhand)	2024-2025
5	Dr. Shailendra Kumar	Member- Senate, LM Thapar School of Management, Thapar Institute of Engineering and Technology (TIET).	2024-2025
6	Dr. Anurika Vaish	Yuva Sangam – Phase V organized at IIIT Allahabad under Ek Bharat Shreshtha Bharat	2024
7	Dr. Anurika Vaish	Har Ghar Tiranga	2024
8	Dr. Anurika Vaish	Meri Maati Mera Desh	2024

Future Plan

1. Fostering excellence through research.
2. Contribution to society through the SSCD activities for the upliftment of people
3. Design an interdisciplinary course integrating technology and management, and develop experiential learning modules to connect classroom teaching with real-world industry practices.



5

Research & Development

- Highly Cited Publications
- WoS Publications Analytics (2021-25)
- Patents and Copyrights
- Projects
- Academic Activities
- Labs and Research Facilities
- Memorandum of Understandings (MoUs)
- Ranking



Highly Cited Publications (2024-25)

S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
1	Article	Kajol, K.; Devarakonda, Srijanani; Singh, Ranjit ; Kent Baker, Harold	Drivers influencing the adoption of cryptocurrency: a social network analysis approach	Financial Innovation	2025	5
2	Article	Kumar, Rajnish; Gupta, Vipin Kumar; Khosya, Mohit; Singh, Sangeeta ; Kumar, Upendra	Comparative computational and experimental insights into the structural, electrical, and biological properties of CeO ₂ fluorite ceramics	Scientific Reports	2025	6
3	Article	Kim, Taehoon; Ravikumar, Chinthaginjala Venkata; Srinivasulu, Asadi; Tera, Sivarama Prasad; Rab, Safia Obaidur	COVID-19 health data prediction: a critical evaluation of CNN-based approaches	Scientific Reports	2025	8
4	Article	Mandal, Arpan; Biswas, Dipankar; Mondal, Rittwick; Lalwani, Suraj Kumar; Kabi, Soumyajyoti; Modak, Nipu	Electrical and dielectric enhancements in lithium-ion doped vanadium-zinc-phosphate glass for energy storage applications	Materials Chemistry and Physics	2025	5
5	Article	Gautam, Vidushi; Verma, Sandeep Kumar; Kumar, Pramod Naveen	Enhancement of Photocurrent in TI/TI (Bi ₂ Se ₃ /Bi ₂ Te ₂ Se) Heterojunction Devices: An Electronic and Optoelectronic Based Study	ACS Applied Electronic Materials	2025	5
6	Article	Pandey, Gaurav Kumar; Gurjar, Devendra Singh; Yadav, Suneel ; Jiang, Yuming; Yuen, Chau	UAV-Assisted Communications With RF Energy Harvesting: A Comprehensive Survey	IEEE Communications Surveys and Tutorials	2025	23
7	Article	Saurabh, Kumar; Sharma, Vaidik; Singh, Uphar; Khondoker, Rahamatullah; Vyas, Ranjana ; Vyas, Om Prakash	HMS-IDS: Threat Intelligence Integration for Zero-Day Exploits and Advanced Persistent Threats in IIoT	Arabian Journal for Science and Engineering	2025	8
8	Article	Bhattacharjee, Jayashree; Pandey, Lata Kumari; Singh, Ranjit ; Kent Baker, Harold	Factors Affecting the Risk Perceptions of Cryptocurrency Investors	Journal of Behavioral Finance	2025	6
9	Article	Bajrai, Leena Hussein M.; Almalki, Abdulrahman Abdullah; Sahoo, Amaresh Kumar ; Dwivedi, Vivek Dhar; Azhar, Esam Ibraheem	Exploring plant-derived small molecules as inhibitors of Marburg virus RNA binding protein activity	Journal of Biomolecular Structure and Dynamics	2025	5
10	Article	Gangwar, Pavan; Tripathi, Ravi Pratap; Singh, Ashutosh Kumar	Solar photovoltaic tree: a review of designs, performance, applications, and challenges	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2025	15



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
11	Article	Vishwakarma, Luxmi Kant; Gour, Radhika; Yadav, Suneel ; Silva, Adão Paulo Soares	STAR-RIS-NOMA empowered vehicle-to-vehicle communications: Outage and ergodic capacity analysis	Vehicular Communications	2025	5
12	Article	Kumar, Rajnish; Yadav, Vedika; P. Singh, Pinki; Sonkar, Piyush Kumar; Kumar, Upendra ; Singh, Satyendra	Effect of calcination temperature on the structural, microstructure, and electrical properties of CeO ₂ nanoparticles as a solid electrolyte for IT-SOFC application	Advanced Powder Technology	2025	10
13	Article	Singh, Tinku; Mishra, Suryanshi; Kalra, Riya; Satakshi; Kumar, Manish ; Kim, Taehong	COVID-19 severity detection using chest X-ray segmentation and deep learning	Scientific Reports	2024	12
14	Article	Iqra; Giri, Kaiser Javed, Mohammed	Small object detection in diverse application landscapes: a survey	Multimedia Tools and Applications	2024	11
15	Article	Shrivastava, Trapti; Singh, Vrijendra; Agrawal, Anupam	Autism spectrum disorder detection with kNN imputer and machine learning classifiers via questionnaire mode of screening	Health Information Science and Systems	2024	18
16	Review	Gautam, Vidushi; Verma, Sandeep Kumar; Singh, Roshani; Ashraf, Zaid; Kandpal, Kavindra ; Kumar, Pramod Naveen	Quasi-2D material based heterostructure devices and its applications	Journal of Physics D: Applied Physics	2024	9
17	Review	Jalali, Melika; Hosseini, Seyed Morteza; Siavash Moakhar, Roozbeh; Jalali, Mahsa; Mirzaei, Mohammad; Sharma, Sunny ; Sanati, Alireza; Sadat Mahshid, Sahar; Mishra, Yogendra Kumar; Mahshid, Sara	The role of nanodimensions in enhancing electrochemical sensing: A comprehensive review	Chemical Engineering Journal	2024	8
18	Article	Yadav, Nand Kumar; Singh, Satish Kumar; Dubey, Shiv Ram	ISA-GAN: inception-based self-attentive encoder–decoder network for face synthesis using delineated facial images	Visual Computer	2024	6
19	Article	Kalra, Riya; Singh, Tinku; Mishra, Suryanshi; Satakshi; Kumar, Naveen; Kim, Taehong; Kumar, Manish	An efficient hybrid approach for forecasting real-time stock market indices	Journal of King Saud University - Computer and Information Sciences	2024	8
20	Article	Hazra, Abhishek; Tummala, Veera Manikantha Rayudu; Mazumdar, Nabajyoti ; Sah, Dipak Kumar; Adhikari, Mainak	Deep reinforcement learning in edge networks: Challenges and future directions	Physical Communication	2024	9
21	Article	Kumar, Shashi Shekhar; Chandra, Ritesh; Agarwal, Sonali	Rule based complex event processing for an air quality monitoring system in smart city	Sustainable Cities and Society	2024	9



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
22	Article	Basak, Suvramalya; Gautam, Anjali	Diffusion-based normality pre-training for weakly supervised video anomaly detection	Expert Systems with Applications	2024	11
23	Article	Tariq, Mohammad; Khan, Mo Ahamad; Hasan, Hammad; Yadav, Sangeeta; Sahoo, Amaresh Kumar ; Md Palashuddin	Biologically active dual functional zinc-doped biomass-derived carbon dots	RSC Sustainability	2024	5
24	Article	Singh, Bijendra; Kumar, Sandeep; Singh, Sunder Pal; Kumar, Upendra ; Kumar, Manindra; Kumar, Anil; Saini, Deepash Shekhar	Electron density distribution using maximum entropy method and conductivity studies of BaZr _{0.85} Ho _{0.10} Y _{0.025} Nd _{0.025} O _{3-δ} electrolyte ceramic for intermediate temperature solid oxide fuel cells	Ionics	2024	6
25	Article	Kumar, Shashi Shekhar; Agarwal, Sonali	Rule based complex event processing for IoT applications: Review, classification and challenges	Expert Systems	2024	10
26	Article	Upadhyay, Chandra Kant; Tewari, Vijayshri ; Tiwari, Vineet	Generation “Z” willingness to participate in crowdshipping services to achieve sustainable last-mile delivery in emerging market	International Journal of Emerging Markets	2024	12
27	Article	Sengupta, Sarthak; Vaish, Anurika	A study on social media and higher education during the COVID-19 pandemic	Universal Access in the Information Society	2024	17
28	Article	Pandey, Lata Kumari; Bhattacharjee, Jayashree; Singh, Ranjit ; Singh, Ambrish	Unravelling the determinants of Social Media Payment platform (SMPP) usage: A qualitative study on user intentions and adoption	Bangladesh Journal of Multidisciplinary Scientific Research	2024	5
29	Article	Jabeen, Sabeeha; Siddiqui, Vasi Uddin; Bala, Shashi; Mishra, Nidhi ; Mishra, Anamika; Lawrence, Rubina; Bansal, Pratibha; Khan, A. R.; Khan, Tahmeena	Biogenic Synthesis of Copper Oxide Nanoparticles from Aloe vera: Antibacterial Activity, Molecular Docking, and Photocatalytic Dye Degradation	ACS Omega	2024	43
30	Article	Jatiya, Manisha; Yadav, Vedika; Singh, Abhishek Kumar; Kumar, Upendra	Role of charge-compensation process on the structural, microstructure and electrical properties of pure and Nb-doped Sr ₂ SnO ₄	Nano Express	2024	5
31	Article	Yadav, Suneel ; Yadav, Ashutosh Kumar; Gour, Radhika ; Alexandropoulos, George; Gurjar, Devendra Singh	Two-way communications empowered by reconfigurable intelligent surfaces and direct link: Outage analysis under hardware impairments and Nakagami-m fading	Physical Communication	2024	10
32	Article	Mishra, Suryanshi; Singh, Tinku; Kumar, Manish ; Satakshi	Multivariate time series short term forecasting using cumulative data of coronavirus	Evolving Systems	2024	7
33	Article	Singh, Ranjit ; Bhattacharjee, Jayashree; Kajol, K.	Factors Affecting Risk Perception in Respect of Equity Shares: A Social Network Analysis Approach	Vision	2024	12



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
34	Article	Mondal, Rajat Kumar; Anurag Anand, Ananya; Samanta, Sintu Kumar	ADPDB: A Comprehensive Knowledge-base of Manually Curated Peptides Against Dengue Virus	International Journal of Peptide Research and Therapeutics	2024	6
35	Article	Vasani, Vatsal; Prateek, Kumar; Amin, Ruhul M.; Maity, Soumyadev ; Dwivedi, Ashutosh Dhar	Embracing the quantum frontier: Investigating quantum communication, cryptography, applications and future directions	Journal of Industrial Information Integration	2024	22
36	Article	Gurubachan; Chandramouli, V. V.M.S.; Verma, Saurabh	Fractal Dimension of α -Fractal Functions Without Endpoint Conditions	Mediterranean Journal of Mathematics	2024	8
37	Article	Rajendra, Yuvaraj; Subramanian, Venkatesan ; Shukla, Sandeep Kumar	Sybil attack detection in ultra-dense VANETs using verifiable delay functions	Peer-to-Peer Networking and Applications	2024	8
38	Article	Yadav, Vedika; Cheema, Harshpreet; Alvi, Parvej Ahmad; Dev, Jai; Kushwaha, Pallavi; Kumar, Upendra	Structural, microstructure, spectroscopic, and magnetic investigation of vanadium-doped SrTiO ₃ perovskite ceramics	Journal of the American Ceramic Society	2024	10
39	Article	Kumar, Ritesh; Panwar, Rajesh; Chaurasiya, Vijay Kumar	Urban traffic forecasting using attention based model with GCN and GRU	Multimedia Tools and Applications	2024	6
40	Article	Raut, Ashwin; Maurya, Manish Kumar; Chaurasiya, Vijay Kumar ; Kumar, Manish	Adaptive hyperparameter optimization for short term traffic flow prediction with spatial temporal correlated raster data	Evolving Systems	2024	6
41	Article	Kumar, Nilesh; Kolos, Miroslav; Bhattacharya, Sitangshu ; Karlický, František	Excitons, optical spectra, and electronic properties of semiconducting Hf-based MXenes	Journal of Chemical Physics	2024	13
42	Article	Dhali, Sunil; Karakoti, Manoj; Tatrari, Gaurav; Pandey, Sandeep; Rawat, Kundan Singh; Tewari, Chetna; Bhushan, Boddepalli Santhi ; Jung, Yongchae; Srivastava, Anurag; Sahoo, Nanda Gopal	Waste plastic derived nitrogen-doped reduced graphene oxide decorated core-shell nano-structured metal catalyst (WpNrGO-Pd-Ru) for a proton exchange membrane fuel cell	Materials Advances	2024	6
43	Article	Khan, Tahmeena; Zehra, Saima; Alvi, Almas; Mishra, Nidhi ; Lawrence, Rubina; Joshi, Seema; Khan,	Synthesis, Characterization, Computational Studies and Antimicrobial activity evaluation of Mixed ligand-Metal complexes of selected thiosemicarbazones	Chemistry Select	2024	7
44	Article	Basha, S.H. Shabbeer; Farazuddin, Mohammad; Pulabaigari, Viswanath; Dubey, Shiv Ram ; Mukherjee, Snehasis	Deep Model Compression based on the Training History	Neurocomputing	2024	14



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
45	Article	Khan, Sahiba; Singh, Ranjit ; Kent Baker, Harold; Jain, Gomtesh	Public Perception of Online P2P Lending Applications	Journal of Theoretical and Applied Electronic Commerce Research	2024	5
46	Article	Bhat, Zahoor Ahmad; Khan, Mohd Muzammil; Rehman, Ayyub; Iqbal, Jawed; Sanjeev, B.S. ; Madhumalar, Arumugam	MD simulations indicate Omicron P132H of SARS-CoV-2 Mpro is a potential allosteric mutant involved in modulating the dynamics of catalytic site entry loop	International Journal of Biological Macromolecules	2024	8
47	Article	Choudhary, Princy; Gupta, Abhilash Kumar; Gupta, Saurabh Kumar; Dwivedi, Shrey; Singh, Sangeeta	Comparative evaluation of divergent concoction of NGF, BDNF, EGF, and FGF growth factor's role in enhancing neuronal differentiation of adipose-derived mesenchymal stem cells	International Journal of Biological Macromolecules	2024	8
48	Article	Lal, Rattan; Selmi, Bilel; Verma, Saurabh	On Dimension of Fractal Functions on Product of the Sierpiński Gaskets and Associated Measures	Results in Mathematics	2024	8
49	Article	Kumar, Shailendra; Goel, Utkarsh ; Joshi, Parikshit; Johri, Amar	Factors affecting Information & Communication Technology (ICT) adoption among MSMEs	Journal of Open Innovation: Technology, Market, and Complexity	2024	16
50	Article	Mishra, Sourav; Chaurasiya, Vijay Kumar	Hybrid deep learning algorithm for smart cities security enhancement through blockchain and internet of things	Multimedia Tools and Applications	2024	18
51	Article	Sahoo, Sujit Sangram; Menon, Aravind Chaurasiya, Vijay Kumar	Blockchain Based n-party Virtual Payment Model with Concurrent Execution	Arabian Journal for Science and Engineering	2024	6
52	Article	Singh, Kuldeep; Misra, Madhvendra	Linking Harmonious Csr And Financial Inclusion: The Moderating Effects Of Financial Literacy And Income	Singapore Economic Review	2024	12
53	Article	Dubey, Shivam; Verma, Saurabh	Inhomogeneous graph-directed attractors and fractal measures	Journal of Analysis	2024	5
54	Article	Mathur, Anurag; Singh, Akanksha K.; Hussain, Yusuf; Mishra, Anamika; Meena, Abha; Mishra, Nidhi ; S., Luqman, Suaib	Regulating pri/pre-microRNA up/down expressed in cancer proliferation, angiogenesis and metastasis using selected potent triterpenoids	International Journal of Biological Macromolecules	2024	6
55	Article	Sahoo, Sujit Sangram; Chaurasiya, Vijay Kumar	VIBE: Blockchain-based Virtual Payment in IoT Ecosystem: A Secure Decentralized Marketplace	Multimedia Tools and Applications	2024	6
56	Article	Kumar, Ritesh; Sharma, Nistala Venkata Kameshwer; Chaurasiya, Vijay Kumar	Adaptive traffic light control using deep reinforcement learning technique	Multimedia Tools and Applications	2024	23
57	Article	Kanaujiya, Ashok Kumar; Tiwari, Vineet	Water quality analysis of River Ganga and Yamuna using water quality index (WQI) during Kumbh Mela 2019, Prayagraj, India	Environment, Development and Sustainability	2024	10



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
58	Article	Shankar, Shardul; Vyas, Ranjana; Tewari, Vijayshri	Applying machine learning algorithms to determine and predict the reasons and models for employee turnover	International Journal of Information Technology and Management	2024	5
59	Article	Jatiya, Manisha; Yadav, Vedika; Kumar, Upendra ; Singh, Abhishek Kumar; Shalu, None	Structural, microstructure, dielectric relaxation, and AC conduction studies of perovskite SrSnO ₃ and Ruddlesden-Popper oxide Sr ₂ SnO ₄	Physical Chemistry Chemical Physics	2024	16
60	Review	Johri, Amar; Joshi, Parikshit; Kumar, Shailendra ; Joshi, Garima	Metaverse for Sustainable Development in a bibliometric analysis and systematic literature review	Journal of Cleaner Production	2024	46
61	Conference paper	Maurya, Rinki; Nishad, Dashrath; Srivastava, Ankit; Rai, Chandravilash; Prakash, Surya; Singh, Ashutosh Kumar	An Islanded DC Microgrid Blueprint for Residential Applications		2024	5
62	Book	Singh, Sangeeta ; Rai, Sachchida Nand; Singh, Santosh Kumar	Synaptic Plasticity in Neurodegenerative Disorders	Journal of Cleaner Production	2024	9
63	Article	Singh, Uphar; Saurabh, Kumar; Trehan, Neelaksh; Vyas, Ranjana; Vyas, Om Prakash	GA-LSTM: Performance Optimization of LSTM driven Time Series Forecasting: GA-LSTM: Performance Optimization.: U. Singh et al.	Computational Economics	2024	5
64	Article	Gupta, Arti; Kumar Maurya, Manish; Dhere, Khyati; Chaurasiya, Vijay Kumar	Privacy-Preserving Hybrid Federated Learning Framework for Mental Healthcare Applications: Clustered and Quantum Approaches	IEEE Access	2024	5
65	Conference paper	Singh, R. K.; Verma, Shekhar ; Panchal, Akhilesh; Dubey, Sweta	Modified RCH-LEACH (MRCH) for Wireless Sensor Networks (WSN)	Lecture Notes in Networks and Systems	2024	6
66	Conference paper	Singh, Ranjit ; Kajol, K.; Pandiya, Bhartrihari; Puri, Lokendra; Pandey, Lata Kumari; Agarwal, Suman; Khan, Sahiba	Comparative Analysis of Negative Customer Review of Payment Apps: A Data Mining Approach	Lecture Notes in Networks and Systems	2024	7
67	Article	Prashanth, B. R.; Revankar, Bhoomika; Karale, Rupali; Moogi, Prashant Prakash; Mangala, M. G.; Sahoo, Amaresh Kumar	Comparative assessment of nanosized intracanal medicaments on penetration and fracture resistance of root dentin- An in vitro study	Journal of Conservative Dentistry and Endodontics	2024	8
68	Article	Jaiswal, Ankur; Shivateja, Salla; Hazra, Abhishek; Mazumdar, Nabajyoti ; Singh, Jagpreet; Menon, Varun G.	UAV-Enabled Mobile RAN and RF-Energy Transfer Protocol for Enabling Sustainable IoT in Energy-Constrained Networks	IEEE Transactions on Green Communications and Networking	2024	6



S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
69	Conference paper	Chandra, Ritesh; Tiwari, Sadhana; Kumar, Shashi Shekhar; Agarwal, Sonali	Diabetic Retinopathy Prediction Based on CNN and AlexNet Model		2024	10
70	Article	Yadav, Varsha; Bhatnagar, Rahul; Kumar, Upendra	Enhancement in the Electrocatalytic and Optoelectronic Performance of Cost-Effective Counter Electrode VO ₂ for Dye-Sensitized Solar Cell (DSSC)	Advances in Condensed Matter Physics	2024	9
71	Article	Prateek, Kumar; Das, Meghashrita; Surve, Sairaaj; Maity, Soumyadev ; Amin, Ruhul M.	Q-Secure-P2-SMA: Quantum-Secure Privacy- Preserving Smart Meter Authentication for Unbreakable Security in Smart Grid	IEEE Transactions on Network and Service Management	2024	14
72	Article	Gupta, Akriti; Chadha, Aman; Tewari, Vijaishri	A Natural Language Processing Model on BERT and YAKE Technique for Keyword Extraction on Sustainability Reports	IEEE Access	2024	20
73	Article	Hattab, Jihed; Selmi, Bilel; Verma, Saurabh	Mixed Multifractal Spectra of Homogeneous Moran Measures	Fractals	2024	5
74	Review	Anurag Anand, Ananya; Amod, Ayush; Anwar, Sarfraz; Sahoo, Amaresh Kumar ; Sethi, Gautam; Samanta, Sintu Kumar	A comprehensive guide on screening and selection of a suitable AMP against biofilm-forming bacteria	Critical Reviews in Microbiology	2024	13
75	Review	Shah, Priya; Singh Dubey, Richa; Rai, Shashikant ; Renwick, Douglas William Scott; Misra, Saurabh	Green human resource management: A comprehensive investigation using bibliometric analysis	Corporate Social Responsibility and Environmental Management	2024	33
76	Article	Tyagi, Pankaj; Sharma, Anju; Semwal, Rahul; Tiwary, Uma Shanker ; Varadwaj, Pritish Kumar	XGBoost odor prediction model: finding the structure-odor relationship of odorant molecules using the extreme gradient boosting algorithm	Journal of Biomolecular Structure and Dynamics	2024	10
77	Article	Singh, Akanksha K.; Mishra, Anamika; Meena, Abha; Mishra, Nidhi ; Luqman, Suaib	Exploration of selected monoterpenes as potential TRPC channel family modulator in lung cancer, an in-silico upshot	Journal of Biomolecular Structure and Dynamics	2024	6
78	Article	Singh, Navjot ; Saini, Paras; Shubham, Om; Awasthi, Rituraj; Bharti, Anurag; Kumar, Neetesh Mahesh Saravana	Improved YOLOv5l for vehicle detection: an application to estimating traffic density and identifying over speeding vehicles on highway scenes	Multimedia Tools and Applications	2024	8

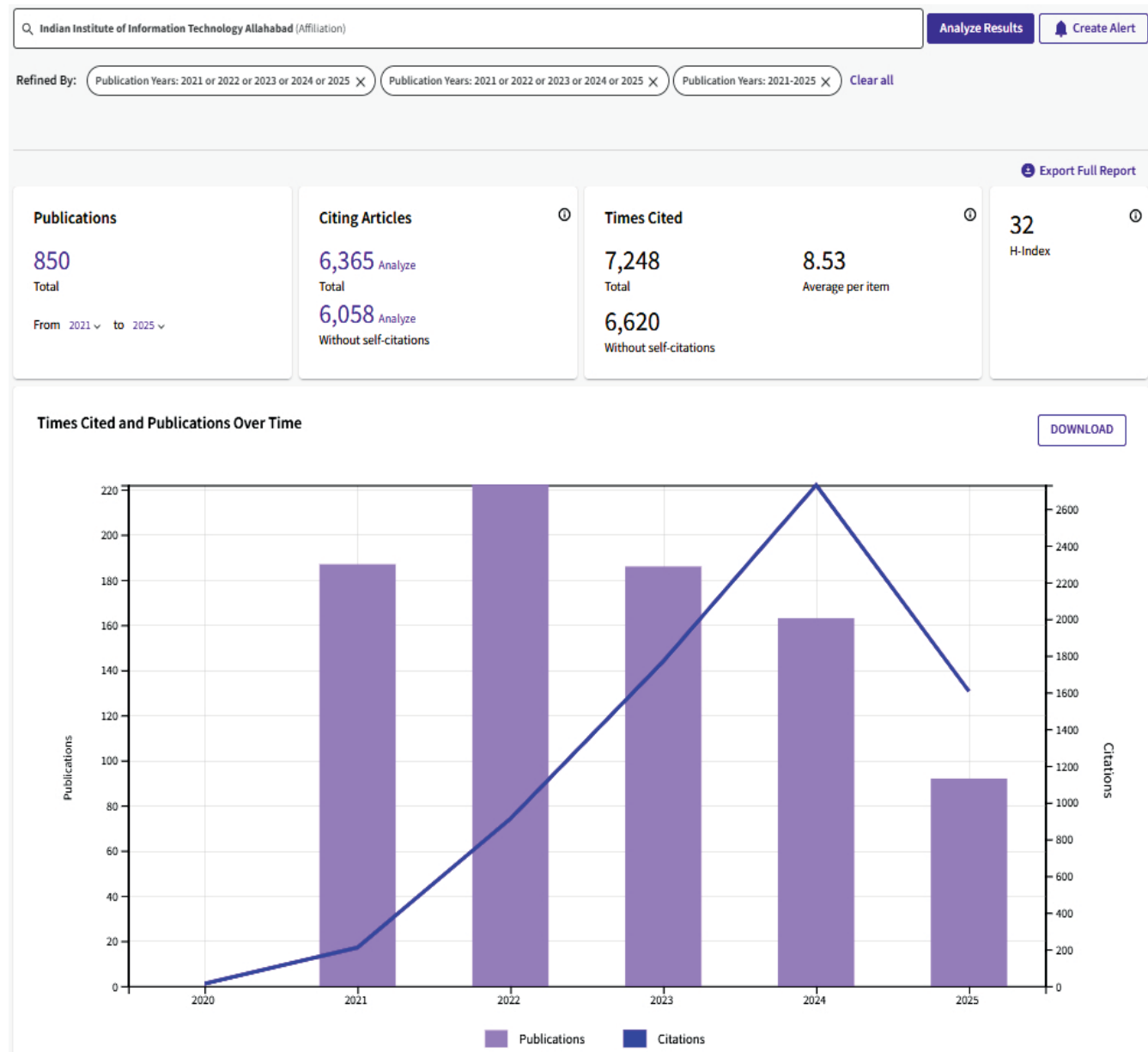


S. No.	Document Type	Author(s)	Paper Title	Source Title	Year	Cited By
79	Article	Chouhan, Mandeep; Tiwari, Prashant Kumar; Moustafa, Mahmoud Fawzy Mahmoud; Kumar Chaubey, Kundan Kumar; Gupta, Arti; Kumar, Rajeev; Sahoo, Amaresh Kumar ; Azhar, Esam Ibraheem; Dwivedi, Vivek Dhar; Kumar, Sanjay	Inhibition of Mycobacterium tuberculosis resuscitation-promoting factor B (RpfB) by microbially derived natural compounds: a computational study	Journal of Biomolecular Structure and Dynamics	2024	15
80	Article	Manrai, Rishi; Yadav, Prashant Dev; Goel, Utkarsh	Factors affecting adoption of digital payments by urban women: understanding the moderating role of perceived financial risk	Technology Analysis and Strategic Management	2024	7
81	Article	Upadhyay, Chandra Kant; Tewari, Vijayshri; Tiwari, Vineet	Does crowdsourcing services moderate effect on supply risk management performance in COVID-19 pandemic: evidence from India	Supply Chain Forum	2024	5
82	Article	Bansal, Diksha; Grover, Rahul; Saini, Naveen Kumar ; Saha, Sriparna	GenSumm: A Joint Framework for Multi-Task Tweet Classification and Summarization Using Sentiment Analysis and Generative Modelling	IEEE Transactions on Affective Computing	2024	9
83	Article	Dubey, Shiv Ram; Singh, Satish Kumar	Transformer-Based Generative Adversarial Networks in Computer Vision: A Comprehensive Survey	IEEE Transactions on Artificial Intelligence	2024	33



WoS Publications Analytics (2021-25)

Citation Report





Patents Filed / Published/ Granted (2024-25)

The details of Filed / Published / Granted IPRs are as follows:

Sl. No.	Title	Application Number & Date	Inventors / Authors	Current Status
1	Secure Locking System With Shape-Changing Key And Biometric Lock System For Enhanced Security	Application No.: 202411024279 Date Of Filing: 27-03-2024	Prof. Ranjit Singh Dr. Rituparna Roy Dr. Anupam Chanda	Application Awaiting Examination
2	Heat-Insulating Composite For In-Situ Application Over Surfaces Operating At High Temperatures	Application No.: 202411038258 Date Of Filing: 15-05-2024	Chandan Mukherjee Sudipto Mukhopadhyay Debabrata Mukhopadhyay	Awaiting Request For Examination
3	Intelligent Iot-Based Cost-Effective Health Monitoring Device For Wheelchair And Bedridden Users With Predictive Analytics	Application No.: 202411063899 Date Of Filing: 23-08-2024	Ritesh Chandra Dr. Sonali Agarwal Dr. Navjot Singh	FER Issued On 30-10-2024, Reply Not Filed
4	Personalized Tuberculosis Treatment Recommendation System (Pttrs)	Application No.: 202411064046 Date Of Filing: 24-08-2024	Ananya Anurag Anand Rajat Kumar Mondal Dr. Sintu Kumar Samanta Vamsi K Sathwika Chinthala Baishali Sarkar	Application Referred U/S 12 For Examination
5	A Lightweight Data Compression Method For Resource-Constrained Devices To Secure And Store Data Efficiently	Application No.: 202411064591 Date Of Filing: 27-08-2024	Vatsala Upadhyay Dr. Abhishek Vaish Dr. J. Kokila	Application Awaiting Examination
6	Eco-Friendly Gold Nanocluster-Coated Strips For Rapid, Sensitive, And Portable Arsenic Detection In Water	Application No.: 202511003784 Date Of Filing: 16-01-2025	Ananya Anurag Anand Khyati Mahesh Joshi Shivani Sundriyal Oshin Pal Dr. Sintu Kumar Samanta Dr. Amaresh Kumar Sahoo	Application Awaiting Examination
7	Advanced Paper-Based Microfluidic Device Using Green-Synthesized Nanoparticles For Multi-Metal Ion Detection In Water	Application No.: 202511026288 Date Of Filing: 22-03-2025	Dr. Amit Prabhakar Ms. Sonal Jaiswal Dr. Deepti Verma	Application Ready For Publication
8	Optical Waveguide-Based Temperature Sensor For Real-Time Monitoring In Microfluidic And Lab-On-A-Chip Applications	Application No.: 202511026289 Date Of Filing: 22-03-2025	Dr. Amit Prabhakar Ms. Neha Mishra Dr. Deepti Verma Dr. Sunny Sharma	Application Ready For Publication
9	System For Automated Medication Management And Remote Monitoring Via Smart Pill Dispensing	Application No.: 202511026290 Date Of Filing: 22-03-2025	Dr. Amit Prabhakar Dr. Rekha Verma Mr. Jayesh Chauhan Ms. Priyanka Kumari Mr. Sajal Kumar Babu Degala	Application Ready For Publication
10	Integrated Monitoring Armband For Occupational Health And Safety In The Industrial Environment	Application No.: 202511026291 Date Of Filing: 22-03-2025	Dr. Amit Prabhakar Dr. Sunny Sharma Mr. Saurav Chandawad Ms. Priyanka Kumari	Application Ready For Publication
11	System And Device For Auditing Security Vulnerability Of An Iot Device	Application No.: 202411064349 Date Of Filing: 26-08-2024	Shivam Mishra Aditya Ray Manpreet Singh Dr. S. Venkatesan Dr. Anshu S. Anand	FER Issued, Reply Not Filed (Due Date: 14-06-2025)



Projects

S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
New Project 2015-16						
1	IIIT-A Design Innovation Center	PI: Dr. Suneel Yadav Co-PI: Dr. Nitesh Purohit, Dr. Sunny Sharma, Dr. Vibhash Ghoshal, Dr. Rishi Ranjan Singh, Dr. Amit Kr. Dhar	MHRD	5937004	2015-26	Running
New Project 2018-19						
2	Newgen Innovation & Entrepreneurship Development Centre	Dr. Ranjana Vyas	DST	9500000	2018-23	Running
3	Transdifferentiation of mesenchymal stem cells into functional neurons on biodegradable nanomaterial scaffolds	Dr. Sangeeta Singh	SERB	3816000	2018-21	Running
New Project 2019-20						
4	Development of Secure IoT Communication using the Blockchain Technology (DST/ICPS/Cluster/CS Research/2018 (General))	Dr. Venkatesan	DST	3630000	2019-22	Running
5	Low Power-High Speed True Random Number Generator for Cryptographic and Security Applications Under Cyber Security (CS) Research of Interdisciplinary Cyber Physical Systems (ICPS) Programme	Dr. Manish Goswami	DST	6776000	2019-22	Running
6	Modeling And Simulation Of Environmental And Occupational Epidemiology Data In Indian Context An Ontology Based Data Mining Approach	Dr. Sonali Agarwal	CSIR	2636000	2019-23	Running
7	GenomeIndia: Cataloguing the Genetic Variation in Indians	Dr. Pritish Varadwaj	DBT	14000000	2019-22	Running
New Project 2020-21						
8	A web browser based Intelligent kernel tool for automatic detection and blocking of obscene image and video contents in real time by IIIT Allahabad	Prof. P.Nagabhushan/ Dr. Satish Kr. Singh/ Dr. Mohammed Javed	BPR&D	3830400	2020-22	Running
9	Development of Application Oriented AI Systems	Prof. U.S. Tiwary/ Dr. Bibhash Ghosal/ Dr. Jagpreet Singh	MeitY	3982000	2020-23	Running



S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
10	Improving Access to Science and Technology Higher Education in Resource-Poor Institutions through an Open Platform for Technology Enabled Active Learning Environment	Dr. Sonali Agarwal	University of Peradeniya, Galaha, Sri Lanka	EURO 72724	2020-23	Running
11	Development of fuzzy logic based automated micro-irrigation system powered by phyllotaxy pattern solar tree for agricultural and horticultural crops	Dr. Ashutosh Kumar Singh	U.P. Council of Agricultural Research, Gomtinagar, Lucknow	2073500	2020-21	Running
12	Ab-initio linear and non-linear ultrafast spectroscopy in twdimensional nitrogen based binary bucked group V semiconductors	Dr. Sitangshu Bhattacharya	DST	3525903	2020-23	Running
13	Detection and quantification of multiple blood parameters with photoacoustics: Fundamental research and portable device development for onsite sample Analysis	Dr. Ratan Kumar Saha	ICMR	2105898	2020-23	Running
14	Social Awareness for COVID-19 through AI based Mobile App (TPN/52915)	Dr. Vrijendra Singh	DST	1576800	2020-22	Running
New Project 2021-22						
15	Inspire Program- Inspire Fellowship	Dr. Pramod Kumar (Ms. Vidushi Gautam)	DST	451520	2020-25	Running
16	IOT Based Testbed	Dr. S. Venkatesan, Dr. Soumyadev Maity, Dr. Vijay Kr. Chaurasiya, Prof. Neetesh Purohit, Dr. Suneel Yadav, Dr. Manish Kumar	IIT Kanpur (DST)	27425000	2021-26	Running
17	Social media, Outreach and Awareness Activities on Novel Method of Targeted Drug Delivery: Reducing Doses and Enhancing of Therapeutic Drug	Dr. Sangeeta Singh	DST	2185920	2021-23	Running
18	Design of efficient descriptors for biomedical image retrieval in computer assisted diagnosis	Dr. Satish Kumar Singh	DST	1082000	2021-23	Running
19	Intelligent Grasp Manipulation Technology Development in a Cobotics Framework Using Complex Manipulation (Human Robot Interaction	Prof. G.C.Nandi	IIT Delhi	10000000	2021-24	Running



S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
20	Study of weakly coupled Partially Observable Markov Decision Processes, and Reinforcement Learning Algorithms	Dr. Rahul Harishchandra Meshram	SERB	2173317	2021-24	Running
21	Reliable and privacy Preserving Data Auditing for FOG-assisted Cyber Physical System (FOG-CPS)	Dr. Soumyadev Maity	IHub NTIHAC Foundation, C3iHub IIT Kanpur	2240240	2021-24	Running
22	Development of deep learning based hashing techniques for image retrieval – Indo-Taiwan	Dr. Shiv Ram Dubey	DST	2828580	2019-22	Running
23	To create a state-of-art facility for big data analytics of large scale genomics and proteomics data - BIC	Prof. Pritish Varadwaj (Principal Investigator) and Dr. B. S. Sanjeev, Dr. Amaresh Kr. Sahoo, Prof. Krishna Misra, Prof. Tapobrata Lahiri, Dr. Sintu Kr. Samanta (CO-PI)	DBT	6930000	2021-26	Running
24	Development of novel and cost-effective layered perovskite oxide ceramics for wireless communication applications	Dr. Upendra Kumar	SERB	5043764	2021-24	Running
25	FIST Program of DST	Dr. Pooja Mishra	DST	11700000	2021-26	Running
26	Risk Averse Resilience Framework for Critical Infrastructure Security	Prof. O.P.Vyas	IHub NTIHAC Foundation, C3iHub IIT Kanpur	3668000	2021-24	Running
27	Strain-driven phonon-assisted tuning of excitonic lifetime in two-dimensional optoelectronic semiconductors	Dr. Sitangshu Bhattacharya	SERB	660000	2021-24	Running
New Project 2022-23						
28	Science Technology and Innovation Hub in Information and Communication Technology (ICT)	Prof. Neetesh Purohit	DST	18666933	2021-24	Running
29	Social Media Presence and Information and Communication Technology (ICT) Adoption Status for Improving Competitiveness in MSME Sector: A study of U.P	Dr. Shailendra Kumar, PI Dr. Utkarsh Goel, Prof. Vijaishri Tiwari, Co-PI	ICSSR, MoE	400000	2022-23	Running
30	Optimal Clustering using Hybrid Techniques in Wireless Sensor Networks (ID 1196)	Dr. Rajat Kumar Singh	CST UP	1044000	2022-25	Running
31	Spintronic Devices based on hybrid materials (ID 489)	Dr. Pramod Kumar	CST UP	600000	2022-25	Running



S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
32	Design and Implementation of Biocompatible Energy Harvesting Device for Low Frequency Operation	Dr. Sunny	SERB	5499307	2022-25	Running
33	Characterization of Some Classes of Projections in Operator Spaces	Dr. Abdullah Bin Abubaker	SERB	660000	2022-25	Running
34	A study of black hole horizons with (semi) analytic approaches	Dr. Srijit Bhattacharjee	SERB	660000	2022-25	Running
35	Design and Development of Computer-Aided Diagnostic Software to Localize and Grade Eye Diseases using Deep Learning and Transformer Approaches	Dr. Anjali Gautam	SERB	2304544	2022-25	Running
36	Strain-driven phonon-assisted tuning of excitonic lifetime in two-dimensional optoelectronic semiconductors	Dr. Sitangshu Bhattacharya	SERB	660000	2022-25	Running
37	Spin induced properties of p-block elements based Van-der Waals heterostructures for prospective spintronics applications: An ab-initio approach	Dr. Sanjai Singh	SERB	1903264	2022-25	Running
38	Development of Multi-UAV Enabled Wireless Powered Collaborative Mobile Edge Computing System for Time-Sensitive IoT Applications	Dr. Nabajyoti Mazumdar	SERB	2733759	2022-25	Running
39	NiPDD: Designing an Artificial Intelligence based CMOS Sensor system for Non-Invasive Detection of Parkinson's disease	Dr. Pritish Kumar Varadwaj	ICMR	2492743	2022-25	Running
40	Thermo-Visible Deep Multi-model Ocular Biometric Recognition and Facial Thermal Profiling in COVID-19 Reality	Dr. Satish Kumar Singh	DST	1350240	2022-25	Running
41	Development of photo acoustic spectrum analysis protocol for morphological characterization of single cells - [BT/PR44547/MED/32/791/2021]	Dr. Ratan Kumar Saha, PI Dr. Amaresh Kumar Sahoo, Co-PI	DBT	1848040	2022-25	Running
42	Analytical Investigation on the Sum of Random Vectors and Application to Intelligent Reflecting Surfaces Aided Wireless Communications	Dr. Suneel Yadav	SERB	660000	2022-26	Running
43	Automated Lunar Crater Detection Using Payloads from Chandrayaan-2 Mission	Dr. Himanshu Maurya	Department of Space	2173520	2022-27	Running



S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
New Project 2023-24						
44	Nanometer scaled Topological for future micro and opto electronic applications	Dr. Pramod Kumar	SERB	3256264	2023-26	Running
45	ML Enabled RISC-V based i-Lora SOC for Forest event monitoring	Dr. Prasanna Kumar Misra	MeitY	48000000	2023-28	Running
46	Linear Representation of Multiplicative Lie Algebra	Dr. Sumit Kumar Upadhyay	Department of Atomic Energy	1531400	2023-26	Running
47	Capacity Building in Robotics & Automations Systems in India/ IRAS HUB (European Education and Culture Executive Agency Project 101083029- IRAS-HUB)	Prof. G.C. Nandi	IIT Delhi (EU Grant)	10959030	2023-26	Running
48	Promotional Services Institutions & Programmes-Entrepreneurship and Skill Development Programmed (ESDP) -MSME Tool Room Bhubaneswar,	Dr. Anurika Vaish	MSME	640000	2023-24	Running
49	Planning Human Robot Interactions with learnable DNN modules-DST/INT/DAAD/ P-03/2022 dated-06.07.2023	Prof. G.C.Nandi	DST	1220000	2023-25	Running
50	GIAN	Dr. Sonali Agrawal	MoE	544000	2024-25	Running
51	Development of Deep Learning based CCTV Footage Super-resolution for Human Subject Recognition for Defence Applications	Dr. Shiv Ram Dubey	I-DAPT HUB FOUNDATION IIT BHU	1045000	2023-25	Running
52	Development of composite nano carrier of Copper nanoclusters (Cu NCs) and Carbon dots (c-dots) against biofilm infections of P. aeruginosa and understanding the underlying molecular mechanism through RNA-seq approaches- Project ID 3004	Dr. Sintu Kumar Samanta	CST UP	800000	2023-25	Running
53	Road object detection during rainy nights for autonomous vehicles (D-1396)	Dr. Navjot Singh	CST UP	1200000	2023-25	Running
54	A Hybrid Platform for real time intrusion detection framework based on Cyber Security Intelligence monitoring system	Dr. Abhishek Vaish	DST	1350240	2023-26	Running
New Project 2024-25						
55	Inspire Program- Inspire Fellowship	Dr. Anand Tiwari (Mr. Aditya Singh)	DST	4623434	2023-28	Running

S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
56	Photoacoustic field calculation for acoustically heterogeneous tissue media	Dr. Ratan Kumar Saha, PI; Dr. Anshu S Anand, Co-PI	SERB	2421513	2024-27	Running
57	Ab-initio techniques of obtaining exciton-phonon driven optical luminescence and nonlinear responses in two-dimensional semiconductors	Dr. Sitangshu Bhattacharya	SERB	3717175	2024-27	Running
58	Assessing Tourists Perspectives on Religious Tourism in Easter Uttar Pradesh : Infrastructure, Safety, and Cultural Experiences under the special call for Vision Viksit Bharat@2047 F.No. 19/VVB@2047/2024-71/EP-A/SCD dated-20.09.2024	Dr. Utkarsh Goel, Dr. Shailendra Kumar	ICSSR, MoE	1600000	2024-26	Running
59	A Multimodal analysis for mental disorder recognition to improve mental health and well being (MODEST-3965)	Dr. Sonali Agrawal	UPCST	1218000	2024-27	Running
60	A Cyber-physical system-based personal Assistance device for wheelchair users	Dr. Sonali Agrawal	iHUB Divya Sampark, IIT Roorkee	1846000	2024-26	Running
61	Photoacoustic field calculation for acoustically heterogeneous tissue media	Dr. Ratan Kumar Saha	SERB	2421553	2024-27	Running

Academic Activities

Symposium and Workshop on Quantum Science & Technology

17 March, 2025

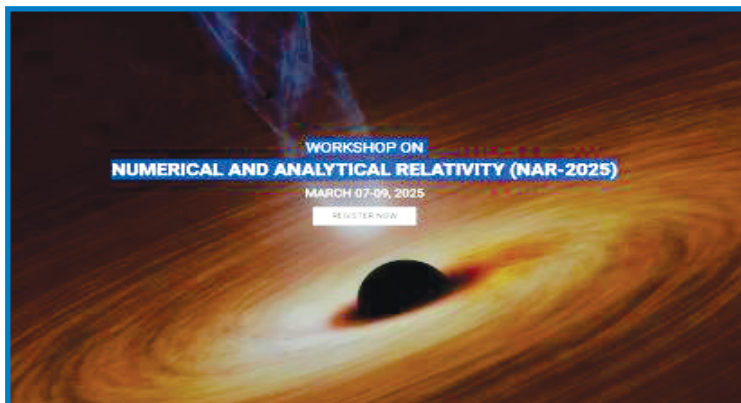
This 2-day symposium and workshop was organized to impart knowledge among the young learners about the pivotal role played by quantum science in understanding finer details of our nature and giving birth to technologies that have shaped the society we live in. Further, the potential for quantum-enabled technologies will be elicited. Participants got exposure to hands-on sessions and talks from experts as a firsthand experience on widescale applications of quantum technologies.





Workshop On Numerical and Analytical Relativity (NAR-2025)

07 March, 2025



NAR-2025 was a workshop-cum-training program organized by the Department of Applied Sciences during 07-09 March 2025. The objective of this workshop was to equip young professionals and researchers with modern analytical and computational methods in the field of General Relativity. Participants gained valuable insights on recent developments in gravitational physics from leading global experts.

ICSSR Sponsored Conference under Vision Viksit Bharat @2047

21 February, 2025

The tourism landscape in Eastern Uttar Pradesh, a region steeped in spiritual and cultural significance, attracts millions of visitors annually who seek enriching religious experiences. However, to foster sustainable growth in religious tourism, it is essential to understand and assess tourists' perspectives on crucial elements such as infrastructure, safety, and cultural engagement. This conference serves as a platform to address these aspects by engaging researchers, policymakers, industry experts, and community stakeholders.

Preamble

The tourism landscape in Eastern Uttar Pradesh, a region steeped in spiritual and cultural significance, attracts millions of visitors annually who seek enriching religious experiences. However, to foster sustainable growth in religious tourism, it is essential to understand and assess tourists' perspectives on crucial elements such as infrastructure, safety, and cultural engagement. This conference serves as a platform to address these aspects by engaging researchers, policymakers, industry experts, and community stakeholders.

With a focus on assessing the current state of tourism infrastructure, evaluating safety perceptions, and enhancing the cultural experience for visitors, this conference will provide insights into improving the overall appeal and viability of religious tourism in Eastern Uttar Pradesh.

Aligned issues such as the economic impact on local communities, environmental sustainability, accessibility, and digital transformation will also be discussed to broaden the conversation on sustainable development in the tourism sector.

Through these dialogues, participants will explore pathways to foster a tourism ecosystem that respects cultural heritage, ensures visitor safety, and contributes positively to the local economy.

Conference Broad Themes:

- Infrastructure Development for Religious Tourism
- Tourist Safety and Security in Religious Destinations
- Cultural Heritage and Tourist Experience
- Economic Impact of Religious Tourism on Local Communities
- Marketing and Promotion of Eastern Uttar Pradesh as a Religious Tourism Destination
- Environmental Sustainability in Religious Tourism
- Tourist Satisfaction and Feedback Analysis
- Comparative Analysis of Religious Tourism in India and Abroad
- Religious Tourism and Social Cohesion
- Challenges of Seasonality in Religious Tourism
- Digital Transformation in Religious Tourism Management
- Role of Hospitality and Local Cuisine in Enhancing Tourist Experience

ICSSR Sponsored Conference
under
Vision Viksit Bharat @2047
On
"Exploring Religious Tourism in Uttar Pradesh: Perspectives and Potential"
February 21-22, 2025

Sponsored by: Indian Council of Social Science Research

Organized by: Indian Institute of Information Technology Allahabad

5th International Workshop on Generative AI and Human Robot Interactions

14-16 February, 2025

The convergence of Generative AI and Human-Robot Interaction (HRI) is rapidly reshaping the landscape of human-machine collaboration. This transformative synergy promises to revolutionize various sectors, from healthcare and manufacturing to education and entertainment. By combining the power of AI-driven creativity with the physical embodiment of robots, we can unlock unprecedented opportunities for human-centered innovation. This workshop was aimed at bringing together researchers, practitioners, and industry experts to delve into the latest advancements, challenges, and future directions in this exciting field by fostering a multidisciplinary dialogue.

CIR
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY ALLAHABAD
PRAYAGRAJ, UTTAR PRADESH, INDIA-211012

5th International Workshop on Generative AI and Human Robot Interactions
[14-16 February 2025]

OVERVIEW

The convergence of Generative AI and Human-Robot Interaction (HRI) is rapidly reshaping the landscape of human-machine collaboration. This transformative synergy promises to revolutionize various sectors, from healthcare and manufacturing to education and entertainment. By combining the power of AI-driven creativity with the physical embodiment of robots, we can unlock unprecedented opportunities for human-centered innovation.

This workshop aims to bring together researchers, practitioners, and industry experts to delve into the latest advancements, challenges, and future directions in this exciting field. By fostering a multidisciplinary dialogue, the workshop seeks to inspire new approaches and collaborations that push the boundaries of what's possible in human-robot partnerships.

REGISTRATION

- Registration Process available on [CIR Website](#)
- Pay the fees through Online Transfer:
 - Registration Fee: 01 January 2025
 - Registration End: 31 January 2025

KEY THEMES

- Ethical Considerations
- Advanced Human-Robot Communication
- Real-world Applications
- Safety and Reliability
- User Experience and Acceptance

CONTACTS

- Mr. Rohit Kumar [+91 80801 00637]
- Mr. Ujjal Alam [+91 89573 77437]
- Dr. Surya Prakash [+91 79056 50339]

Email: ci@iita.ac.in



A-ESDP on Augmenting the Skill-Set for New Generation Cyber Security Entrepreneur

10 February, 2025

Augmenting the Skill-Set for New Generation Cyber Security Entrepreneur is to help

- 1) To help the budding entrepreneur build their future enterprise in the cyber security domain by upgrading their existing skills and by orienting them to various avenues in the field of cyber-security.
- 2) To impart cyber security entrepreneurial knowledge and strengthen digital security competencies to foster a holistic way of thinking amongst the candidates.
- 3) To provide them with opportunities through curriculum and networking, to help further hone their career, not just in cyber security but in any other domain of their choice.
- 4) To train and facilitate entrepreneurs in developing technical and vocational skills so that they can put their ideas into action.
- 5) To help budding entrepreneurs and students from marginal sections of society set up their entrepreneurial venture, by providing them with a stage to extract knowledge from.
- 6) To develop an environment of cross-sectionality and explore various avenues for women in the cyber security entrepreneurial space.
- 7) To provide post-training assistance through mentoring and hand holding support.

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, ALLAHABAD
Presents
Advanced Entrepreneurship and Skill Development Program (A-ESDP)
"Augmenting the skill-set for new generation cyber security Entrepreneur"

+91 7007910495 +91 8848617754 www.iitaa.ac.in msme@iitaa.ac.in +91 8382996665

WHO CAN ATTEND?

- Graduates/Post Graduates/ PhD Scholar from engineering/MBA background having interest in Information technologies and participants appearing in final year of their Graduation/ Post Graduation/ PhD, can also apply.
- Engineering Graduates/Post Graduates who have been granted any seed money for their startup proposal from any Institute/ organization/ Academic/Government/Semi-Government would be preferred.
- Remote candidate with business attitude would be considered. There would be no upper age limit to apply.
- Central/State Govt. officers (including Ministry of MSME) can also participate to enhance their knowledge.
- Candidate applying should carry their working laptop throughout 5 days of the event.

LEARNING OUTCOME:

- Participants would be enabled to understand the landscape of cyber security market in India and will learn to perform the feasibility test as a new start-up.
- The participant would be facilitated to understand the process-centric enterprise wide cyber security implementation and standardization.
- Participants would be enabled to understand the Designing and Defending of Perimeter security.
- Participants would be exposed to learn Hardening Digital Infrastructure.
- Participants would be enabled to understand how to handle incident and its investigation.

10th - 14th Feb 2025

CLICK HERE

5 Day Event

Now

Each participant will get benefits worth Rs. 5000/- on joining the training programme (Rs. 100/- is not covered during the working hours of the workshop).

Participants are expected to make their own travel and stay arrangements (relocation participants).

Dr. Abhishek Vashishth (PI)
Dr. Anurika Vaid (Nodal Officer & ICD-PI)
Dr. S Venkatesan (CO-PI/Coordinator)
Dr. Pragna Singh (CO-PI/Coordinator)

Workshop on Fractals: GAANA

29-31 January 2025

The Department of Applied Sciences has organized a Workshop on Fractals: GAANA from January 29-31, 2025. This workshop consisted of lectures from experts worldwide, followed by tutorial sessions. It was also emphasized that a variety of topics in Fractal Geometry and its intersections with Geometry, Analysis, Algebra, Numerics, and some of its applications could be covered in this program.

Fractals: GAANA 2025
Workshop in Hybrid mode
(GAANA: Geometry, Analysis, Algebra, Numerics, and Applications)
IIT Allahabad, Prayagraj 29 Jan - 31 Jan, 2025
<http://fgaana.iitaa.ac.in/>

ORGANIZERS

Chief Patron
Prof. Mukul Sharad Sutsone
Director, IIT Allahabad

Chairperson
Dr. Pramod Kumar
H-2, Department of Applied Sciences, IIT Allahabad

Coordinator
Dr. Saurabh Verma
Assistant Professor, Department of Applied Sciences, IIT Allahabad

ORGANIZING COMMITTEE

- Dr. Abdulrahman Bin Abu Baker, IIT Allahabad
- Dr. Sumit Kumar Upadhyay, IIT Allahabad
- Dr. Anurika Vaid, IIT Allahabad
- Dr. Seema Kushwaha, IIT Allahabad
- Dr. Savitri Joshi, IIT Allahabad

Keynote Speakers

- Prof. Balazs Barany, Budapest University of Technology and Economics, Hungary
- Prof. M. Sadiq, Qassim University, Saudi Arabia

Invited Speakers

- Dr. Anuj Kumar, Siddharth University, Kapihastu
- Dr. Rakesh Lal, PEC Chandigarh
- Dr. Narendra Singh, IIT Sri City
- Dr. Saurabh Verma, IIT Allahabad

Guest Talks

- Dr. Manoj Verma, Budapest University of Technology and Economics, Hungary
- Dr. Subhash Chandra, IIT Allahabad

Tutorial Assistants

- Shivam Dubey, IIT Allahabad
- Gurabheer, IIT Jodhpur
- EMS Aggarwal, IIT Allahabad

2nd Colloquium on Business Informatics Indo-German Workshop XAI & Federated Learning

21-23 January 2025

IIT Allahabad launched its innovative B.Tech. program in Business Informatics in 2019, designed as an interdisciplinary initiative coordinated by Prof. O.P. Vyas, a Senior Professor of IT. The foundational structure of this four-year program was laid during the First Colloquium on Business Informatics, held on December 14, 2018. This event brought together industry representatives and academics, fostering discussions that shaped the program's unique curriculum.

Building on the program's success, Prof. Vyas has envisioned and orchestrated the Second Colloquium on Business Informatics, bringing

2ND COLLOQUIUM ON BUSINESS INFORMATICS
INDO-GERMAN WORKSHOP
XAI & FEDERATED LEARNING
21.01.2025 - 23.01.2025

Place: Admin Auditorium, IIT Allahabad
Date: 21.01.2025 and 23.01.2025
Organizers: Prof. Dr. O. P. Vyas, Prof. Dr. Rahmatullah Khondoker, Dr. Ranjana Vyas

Patrons: Prof. Dr. Matthias Willems, President, THM-Germany, Prof. Dr. Mukul S Sutsone, Director, IIT Allahabad-India

Agenda:

DAY 1 - Tuesday, Jan 21st 2025		
Time Slot	Title	Speaker
15:30 - 16:30	Workshop Inauguration, Welcome by IIT-A Director & Presentation by THM Univ. of Applied Sciences	Prof. O.P. Vyas, IIT Allahabad Prof. Dr. Mukul Sutsone, Director, IIT Allahabad Prof. Dr. Matthias Willems, President, THM-Germany Frau Michaela Zaluski-International Office, THM Univ. of Applied Sciences, Germany Prof. Dr. Michael Guckert
16:30 - 17:15	Foundations of Explainable AI	Prof. Dr. O.P. Vyas & Mr. Harshit Gupta
17:15 - 18:00	Federated Learning: Advances & Application	Prof. Dr. O.P. Vyas & Mr. Harshit Gupta
18:00	High TEA	



together academic and research expertise. This colloquium was jointly organized by faculty members specializing in Business Informatics from Germany's THM University of Applied Sciences and IIIT Allahabad.

Supported by the ERASMUS+ project for academic mobility, the event was based on a co-located workshop on cutting-edge topics such as Explainable Artificial Intelligence (XAI) and Federated Learning. The colloquium aimed to strengthen global collaboration and advance research in this transformative domain.

Conference on Information and Communication Technology (CICT)

06 December 2024



The International Conference on Information and Communication Technology (CICT) is being annually organized by the five Indian Institutes of Information Technology (IIITs); namely IIIT Allahabad, ABV-IIITM Gwalior, PDPM-IIITDM Jabalpur, IIITDM Kancheepuram, and IIITDM Kurnool (all are fully funded by the Union Government of India). On a round robin fashion, the venue of CICT is kept at one of these IIITs. All previously organized 7 CICT have been technically and financially co-sponsored by the respective section of IEEE, and all proceedings are available on IEEE Xplore. Furthermore, prestigious Government organizations like DST, ISRO, DRDO, CSIR and many private companies have been extending financial support to the CICT.

Hand-on Training on Cell Culture Techniques

21-24 November 2024



The workshop has been designed to provide the theoretical background as well as hands-on training to students and researchers on the intricacies of handling animal cells under in vitro culture. Cancer research, drug discovery and screening, virology, and genetic engineering are some areas that depend on cell culture procedures. Considering this relevance and the lack of exposure to culture techniques in researchers who need them for their research, the institute has organized a foundation-level hands-on training for all students and academics who wish to broaden their research skill set.

Online Workshop on Functional Materials and Simulation Techniques (FMST – 2024)



Online Workshop
"Functional Materials and Simulation Techniques"
(FMST – 2024)
 21-25 October 2024
 Organized by
 Department of Applied Sciences,
 Indian Institute of Information Technology Allahabad,
 Prayagraj-211015, Uttar Pradesh, India

About the Workshop
 The Scheme "Functional Materials and Simulation Techniques-2024" is intended to build human resources and knowledge capacity through open-access Science and Technology Infrastructure across the country. The "FMST – 2024" seeks to acquaint participants with diverse functional materials, including polymers, nanocomposites, electroceramics, 2D materials, metamaterials, and photonic crystals, utilized in various technological domains such as the electronics industry, sensors, renewable energy, and defense applications. This workshop offers opportunities for postgraduate and doctoral students, postdoctoral fellows, and faculty members engaged in these fields to deepen their understanding of functional materials. It includes practical sessions on various computational and theoretical aspects, equipping participants to analyze data effectively to characterize functional materials.

Registration and Information
Application Deadline:
 18 October 2024

- Interested candidates need to register via the given link.
- Only 100 participants are allowed to attend the training program.
- Selected candidates will be informed via registered email.
- The registration fee for the workshop is as follows:
 - UG/PG/PhD – Rs. 500/-
 - Faculty/Postdocs – Rs. 1000/-
 - Foreign participant – USD 10.
- After payment, kindly send the receipt to the email id fmst2024@iitaa.ac.in for the registration confirmation.

Other Organizing Committee

Patron
 Prof. Mukul Sharad Sataone
 (Director, IIT A)

Chief Patron
 Prof. Satish K. Singh
 (Registrar IIT A)

Prof. Manish Goswami
 (Dean R&D, IIT A)

Chairperson
 Dr. Pramod Kumar
 (HoD AS, IIT A)

Coordinators
 Dr. Akhilesh Tiwari
 Dr. Pramod Kumar
 Dr. Srijit Bhattacharjee
 Dr. Upendra Kumar
 (Department of Applied Sciences, IIT A)

Contact in case if you have any query

21-25 October 2024

The Scheme "Functional Materials and Simulation Techniques-2024" is intended to build human resources and knowledge capacity through open-access Science and Technology Infrastructure across the country. The "FMST–2024" was organized to acquaint participants with diverse functional materials, including polymers, nanocomposites, electro ceramics, 2D materials, metamaterials, and photonic crystals, utilized in various technological domains such as the electronics industry, sensors, renewable energy, and defense applications. This workshop was organized to offer opportunities for postgraduate and doctoral students, postdoctoral fellows, and faculty members engaged in these fields to deepen their understanding of functional materials. It

included practical sessions on various computational and theoretical aspects, equipping participants to analyze data effectively to characterize functional materials.

3rd IEEE CVMI 2024 Conference

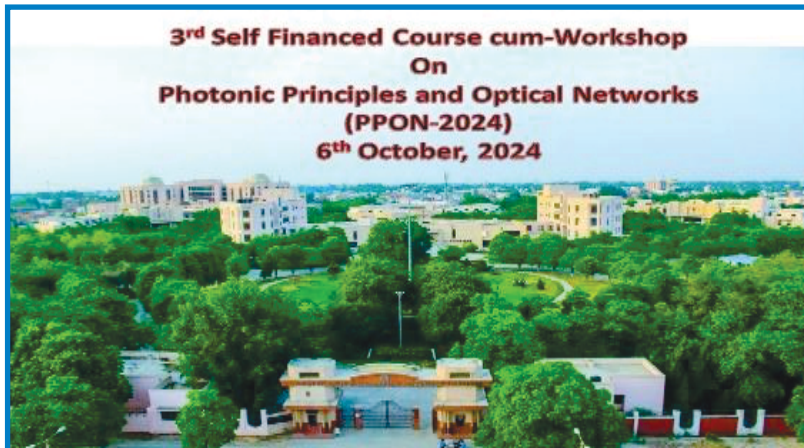
19-20 October 2024



The present world is witnessing rapid advancements in the field of Information Technology, specifically, in the areas of Computer Vision and Machine Intelligence, cherished by society and industry. The amount of Research and Development activities across the globe has been drastically scaled up over the past decade in these research areas. Hence, a new state-of-the-art Computer Vision and Machine Intelligence (CVMI) conference was conceived by the Computer Vision and Biometrics Lab (CVBL) of the Department of Information Technology for the researchers to disseminate their research outcomes.



Photonics Principles and Optical Networks (PPON-2024)



06 October 2024

The aim of this Workshop was to update the knowledge of the participants towards optical networks and photonics principles. The topics- Introduction to Optical Networks and Routing Techniques, Modulation/DeModulation Techniques in Optical Network, Optical Time Division Multiplexing (OTDM), Deep Learning for Design of Photonic Structure, were covered during the sessions.

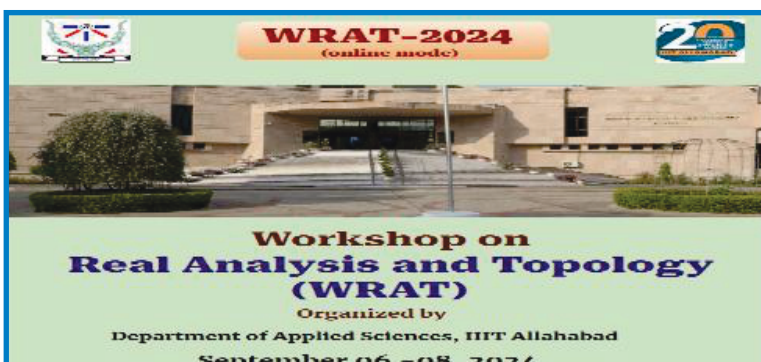
Workshop on Design & Development of Antennas & RF Components for 5G Wireless Communication

23-27 September 2024

The DST-FIST funded RF and Wireless Research Laboratory at the Department of Electronics and Communication Engineering in IIIT Allahabad has organized an exclusive workshop in collaboration with Entuple Technologies, Bangalore. During this workshop, participants got exposure to understand End-to-End Processes: from simulation to fabrication and testing, involved in creating effective antennas for various RF wireless applications, including 5G wireless communication. This workshop wasn't just about theory but hands-on experience, creativity, and pushing the boundaries. All Hands-on sessions provided by industry experts from Entuple Technologies on Ansys Tools, MITS Machines and Anritsu Equipment.



Workshop on Real Analysis and Topology



06-08 September 2024

The Department of Applied Sciences organized this workshop in online mode which consisted of lectures from experts nationwide followed by tutorial sessions. A variety of topics ranging from metric space, sequence, series, and such topics based on JAM, GATE and UGC-CSIR NET exams etc. were covered during the sessions.

International Webinar cum Workshop Recent Developments in Applied Biotechnology

23-24 August 2024

This program was a pivotal platform for global experts, researchers, and industry professionals to converge and discuss cutting-edge advancements in the field of Biotechnology. By bridging the gap between theory and practice, RDAB-2024 has showcase the transformative potential of Applied Biotechnology and underscored the importance of continuous innovation in addressing global challenges through scientific advancements. Moreover, RDAB-2024 facilitated interactive online training on various bioinformatics tools and software

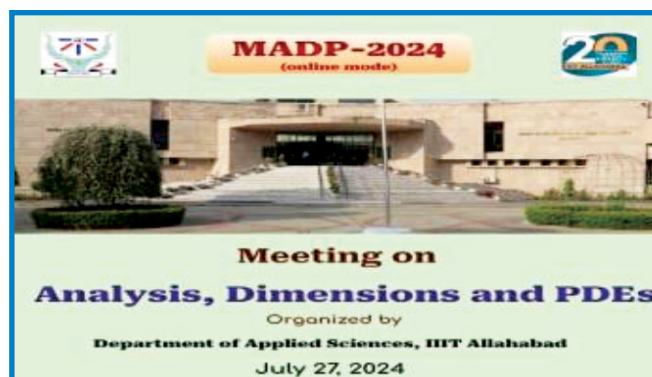


on Molecular Docking and Simulation where attendees could engage in hands-on learning experiences, enhancing their practical skills and understanding of emerging techniques in research.

Meeting on Analysis, Dimensions, and PDEs

27 July 2024

This online meeting was organized by Department of Applied Sciences to provide a platform for participants to exchange their knowledge, share research findings, and discuss the latest advancements in Analysis, Dimensions and PDEs and their applications. It offered an excellent opportunity for participants to interact with experts, collaborate on projects, and explore new avenues of mathematical research.



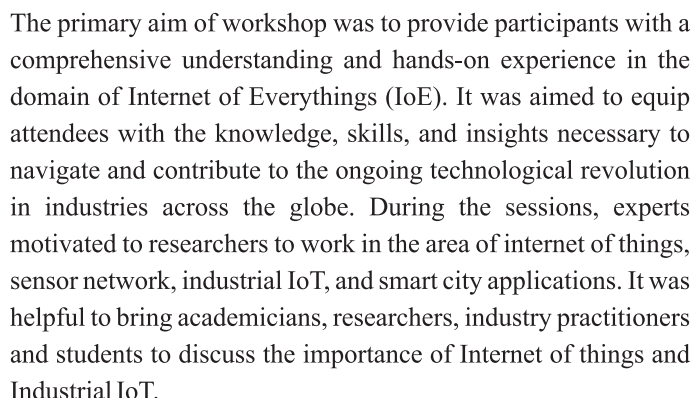
7th Workshop on Machine Learning & Data Analytics (MLDA)

16-30 July 2024

Objective of this workshop was to motivate academicians, researchers, industry practitioners and students to discuss and work on the topics of Machine Learning, Data Analytics, Data Security.



9-14 July 2024



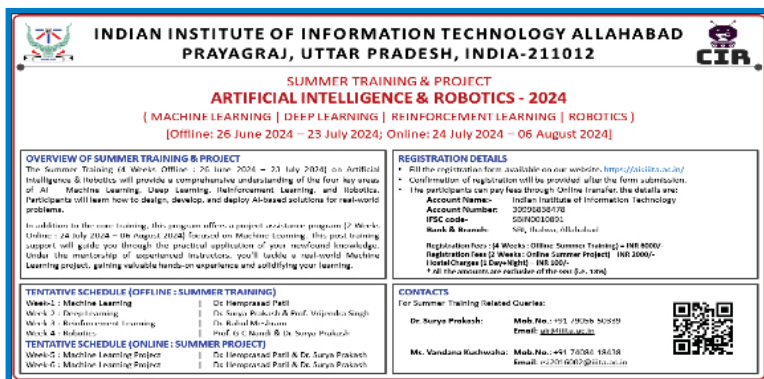
8-10 July 2024

The purpose of this workshop was to talk about current and upcoming research in the many fields of algebra. Students who are doing or wish to do research on a variety of algebraic topics were the workshop's intended audience.



Summer Training & Project on Artificial Intelligence & Robotics-2024

24 July - 06 August 2024

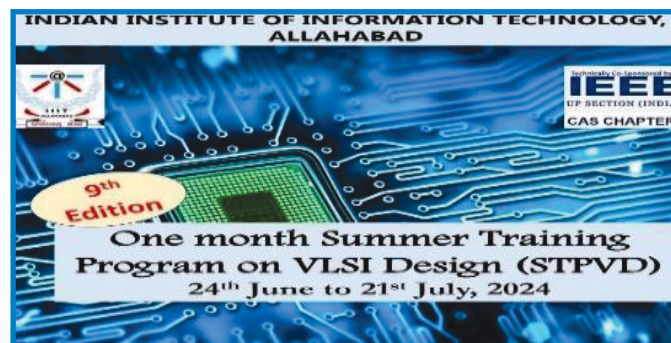


A 4-week Summer Training program on Artificial Intelligence & Robotics was organized from 26 June to 23 July 2024 in offline mode to provide a comprehensive understanding of the four key areas of AI-Machine Learning, Deep Learning, Reinforcement Learning, and Robotics. In addition to the core training, this program offered a 2-week project assistance program in online mode from 24 July to 06 August 2024, focused on Machine Learning.

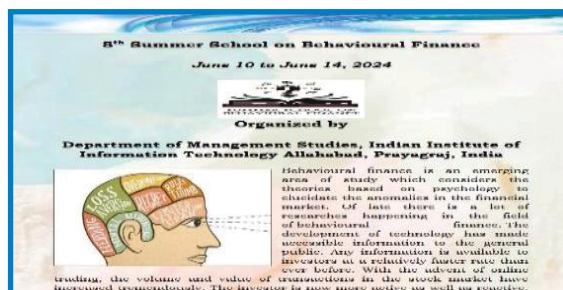
Summer Training Program on VLSI Design (STPVD 2024)

24 June - 21 July 2024

The 9th edition of STPVD 2024 and a specialized one-month summer training program was organized from 24th June to 21st July 2024, which was technically co-sponsored by the IEEE Circuit and System Society, Chapter UP Section. It covered analog and digital integrated circuit design using commercial technology kits and simulation tools, and exposure to fabrication methods and PCB design.



8th Summer School on Behavioural Finance



10-14 June 2024

Behavioural finance is an emerging area of study that considers the theories based on psychology to elucidate the anomalies in the financial market. Looking to the lot of research happening in the field of behavioural finance, this summer school program was conducted to enhance the knowledge of students and researchers in the field.

Training in Linear Algebra

30 May - 01 June 2024



The training program consisted of lectures from renowned experts nationwide, followed by tutorial sessions. It was also emphasized that a variety of topics, ranging from vector spaces, systems of linear equations, inner product spaces, and such topics based on JAM, GATE, and UGC-CSIR NET exams, could be covered in this program.

Conference on Graph Theory and Additive Combinatorics

03-05 May 2024



This conference aimed to motivate and expose PhD students and researchers from different areas of science and engineering to the area of Graph Theory and Combinatorics. It also aimed to provide a platform for exchanging ideas and exploring the possibility of future collaboration for researchers working in different areas of Discrete Mathematics and Related Fields.

Two Days Virtual Bioengineering Conclave

27-28 April 2024



The importance of Engineering applications in the field of health care and medicine cannot be overstated, against the backdrop of the unprecedented health crisis that this world is emerging from. The recent pandemic has clearly identified the need for skilled manpower and solutions, particularly in screening, diagnostics, telemedicine, and medical instrumentation. Biomedical (and ultimately Bioengineering) is a bridge between multi-disciplinary engineering and medicine, with the acute demand for qualified Bioengineers on the rise (and not expected to wane in the near future). This Conclave aimed to promote information about this multi-disciplinary area at the interface of medicine and engineering as much as possible.

Workshop on Fractal Geometry and Related Fields

05-07 April 2024

This workshop aimed to motivate and expose B.Sc./B.Tech./M.Sc./M.Tech./PhD students, and researchers from different areas of science and engineering, to the area of Fractal Geometry. It also aimed to provide a platform for exchanging ideas and exploring the possibility of future collaboration for researchers working in different areas of Fractal Geometry and Related Fields.





Labs and Research Facilities

Computer laboratories and the administrative buildings are derived from selected tessellated blocks in the star pattern. A lot of emphasis is laid on research and learning via project work. This is exemplified by the numerous laboratories setup for research and projects pertaining to various emerging and contemporary fields like image Processing, Wireless Communication, Neural Networks, Analog/RF/Mixed Signal Integrated Circuit Design, VLSI System Design, Semiconductor Device Fabrication, Modeling and Testing, Proof of Concept/Prototype Development and Packaging, Robotics and Bio-Informatics to name a few. They house softwares from widely used to be state-of-the-art technology. Laboratories that have been set up can be classified into two categories – general and specialized laboratories. Students have been provided independent systems in at least one general laboratory. Students can use laboratory facilities all round the clock. Laboratories open at their request, so students can conveniently work even when it is a public holiday. They can use these systems to install and run programs of their choice, carry out assignments and project works under course curriculum.

The computer labs comprise of latest PCs having Core 2 Duo, Quad Core, I5 with a 24 hours Internet access through 1 GBPS Leased line; Scanners, CD-writers, Laser printers are also available in the Labs. Multimedia projectors, Webcams, Video Cameras are extensively used for communication skills labs and various Presentations. Efforts are on to provide students with the latest Laptops. All computer points are backed by 100% Uninterrupted Power Supply.

Software: The PC's use mainly Windows XP and Linux. The labs have a very rich repository of software ranging from integrated development environments for C/C++, Java, Visual Basic, to RDBMS like Oracle 9i, MySQL. Several specialized software for core labs or projects like Cadence, Synopsys, Xilinx, MentorGraphics, Statistica, Rational Rose, SPSS 10.0, Argo UML, Systat 12 and various software for Testing and Decision Purposes for Managers have been acquired with adequate user licenses. ERP prototype packages are being acquired for facilitating the students with the latest in enterprise applications.

The Institute maintains licensed copies of all software (systems, applications and academics) that students require and ensures that the licenses are kept up to date. It discourages the use of illegally procured software. Students have the prerogative to request the Institute to procure any software or hardware that they require in their assignments, projects or research activities.

Research Laboratories

S. No.	Name of the Lab	Faculty Incharge
1	Robotics Lab	Prof. G. C. Nandi, Prof. Vrijendra Singh
2	SILP/Cognitive Computing Center (New)	Prof. U. S. Tiwary
3	Machine Learning and Optimization Lab	Prof. Shekhar Verma, Dr. K. P. Singh
4	Interactive Technologies & Multimedia (ITM) Lab	Prof. Anupam Agarwal, Prof. Vrijendra Singh
5	Data Analytics Lab	Dr. Manish Kumar
6	Network Security & Cryptography Lab	Prof. Shekhar Verma, Dr. S. Venkatesan, Dr. Vijay Kumar Chaurasiya, Dr. Soumyadev Maity
7	Wireless Sensor Network Lab	Dr. Manish Kumar, Dr. Nabajyoti Mazumdar
8	Robotic Fabrication & Control	Dr. Pavan Chakrabarty
9	Computer Vision Biometric Lab	Dr. Satish Kumar Singh, Dr. Shiv Ram Dubey, Dr. Mohammed Javed, Dr. Navjot Singh, Dr. Anjali Gautam
10	System Lab	Dr. Bibhas Ghosal, Dr. Anshu Anand
11	Deep Learning Lab	Prof. Vrijendra Singh
12	Advanced Image & Data Science Lab	Dr. T. Pant, Prof. Vrijendra Singh, Dr. Shashikant Rai, Dr. Saurabh Mishra



S. No.	Name of the Lab	Faculty Incharge
13	Software Engineering Research Lab	Dr. Sonali Agarwal, Prof. Vrijendra Singh
14	Big Data analytic Lab	Dr. Sonali Agarwal
15	Digital Forensics and Cyber Security Lab	Dr. Abhishek Vaish, Dr. Shekher Verma, Dr. S. Venkateshan
16	Wireless Network and IoT research Lab	Dr. Vijay Kumar Chaurasiya
17	Business Intelligence & Smart e-campus Lab	Dr. Ranjana Vyas
18	Introduction to Computer Lab (Hardware)	HoD (IT)
19	Computer Lab CC2	Prof. Shekher Verma, Dr. Pavan Chkraborty
20	Artificial Intelligence and Multiagent Systems (AIMS) Lab	Dr. Muneendra Ojha, Prof. Shekher Verma, Dr. Pavan Chkraborty
21	Virtual Intelligence Lab	Dr. Surya Prakash
22	Embedded System Lab	Dr. Prasanna Misra, Dr. Surya Prakash
23	Surface Mount Technology Lab	Dr. Kavindra Kandpal, Dr. Surya Prakash
24	PCB Design and Fabrication Lab	Dr. Surya Prakash, Dr. Boddepalli Shantibhushan
25	Chip To Startup Laboratory (C2S)	Prof. Manish Goswami, Dr. Kavindra Kandpal, Dr. Sunny, Dr. Prasanna Kumar Misra
26	VLSI System Design Laboratory	Prof. Manish Goswami, Dr. Kavindra Kandpal, Dr. Prasanna Kumar Misra
27	Analog/RF Integrated Circuit Design Laboratory	Prof. Manish Goswami, Dr. Kavindra Kandpal, Dr. Prasanna Kumar Misra
28	Analog/RF Integrated Circuit Design Laboratory	Prof. Manish Goswami, Dr. Kavindra Kandpal, Dr. Prasanna Kumar Misra
29	Supply Chain and Sustainability Research Lab	Dr. Vineet Tiwari
30	Business Simulation and Decision-Making Lab	Prof. Vijayshree Tewari, Dr. Saurabh Mishra, Dr. Shashikant Rai, Dr. Triloki Pant

Biomedical Imaging Laboratory

This is a teaching cum research laboratory. Phantom experiments are conducted to demonstrate basics of ultrasound imaging. The generation of acoustic signal due to absorption of light referred to as the photoacoustic effect will also be demonstrated through simple experiments. Its use in medical imaging will be shown. Experiments for image reconstruction in tomography imaging will be carried out too. Existing as well as prospective PhD students will perform experiments to develop methods for quantifying several blood parameters (e.g., blood oxygenation, aggregation level, hemolysis level, presence of melanoma and malaria infected cells in blood stream etc.). Moreover, experimental data will help to design various computational reconstruction algorithms as well as to validate those protocols. Hopefully, developed methods will find applications in clinics. Many other experiments will also be accomplished along with internal and external collaborators. Facilities are-

- 1) Ultrasound transducers (Xducer): center frequency- 3.5, 5, 7.5 MHz, bandwidth- 30%, diameter- 0.5 inch).
- 2) Ultrasound transducers (Xducer): centre frequency- 5MHz (Spherical Focus (SF)=1.0", model: RG174, focal length = 1"), 5MHz (FLAT with RG174), 10MHz (focused, Spherical Focus (SF)=1.6" with RG174), bandwidth- 70%, diameter- 10 mm.
- 3) Ultrasound pulser/receiver (DPR 300, JSR): bandwidth- 35 MHz, driving voltage- 100 to 475 V, gain: -13 to 66 dB.
- 4) Nano-second pulsed laser (NT352C-10-SH-H, Ekspla): Pulse width: 6ns, PRF: 10 Hz, wavelength range- 350-500, 532, 660-2600 nm, maximum energy at 532 nm- 150 mJ, power consumption: 1.8/3.4 kVA.



- 5) Oscilloscope (WaveSurfer 3034, Lecroy): number of channels-4, bandwidth- 350MHz, sample rate per channel-4 GS/s. Long Memory – up to 20 Mpts. Frequencies of up to 25MHz. 24 measurement parameters.
- 6) Function Generator, (Keysight – EDU33211), Frequency range 1 μ Hz to 20 MHz, 1 μ Hz resolution, Square and pulse Frequency ranges 1 μ Hz to 10 MHz, 1 μ Hz resolution Square at 8.4 ns, fixed Rise and fall times (nominal) Pulse at 8.4 ns to 1 μ s, independently variable, 100 ps resolution Overshoot (typical) $\leq 3\%$ Duty cycle 6 0.01% to 99.99%, 0.01% resolution Pulse width 16 ns minimum (adjustable with 100 ps resolution) . Sine, Square, Pulse, Ramp, Triangle wave functions. Line voltage 100 to 240 V, 50 / 60 Hz; 100 to 120 V, 50 / 60 Hz Power consumption < 45 W.
- 7) Pulsed Laser Diode (905D5S3J08S): Emitting power: 325 W. Emitting area: 200x440 μ m². Max Current: 40A. Peak reverse voltage: 6V. Pulse width: 150 ns. Duty cycle: 0.10%. Operating temperature: -45°C to +85°C.
- 8) PLD driver module (LDP-V-240-100 V3.3, LDP -V KIT): 40 to 240 A output, 25 ns rise time. Pulse width from via SMC trigger input (60 ns to > 1 μ s). Rep. rates from single shot to 2Mhz. Single +15 V supply. Trigger I/P : 5V into 50 Ω via SMC jack. Trigger output galvanically isolated Rogowski coil. Supply voltage 15 V, 2.2 A. Operating temperature: -20 to 55°C.
- 9) Low noise amplifier (Phoenix, PRE-AMP-TOFD): Gain: 40dB. Bandwidth 80 kHz to 40 MHz (-3dB). Noise Figure 1.0nV/(Hz) ^{1/2}. Input Impedance 300 Ω (Other options available). Output Impedance 50 Ω (capable of driving very long cable lengths). Power Source Single 9VPP3 Battery. Input Voltage 5V to 12V DC (reverse polarity protected). Dimensions: (W x H x D): 70mm x 35mm 110mm, (2 3/4" x 1 1/2" x 4 1/2"). Connectors: Lemo 00. Temperature 0°C to 70°C. TOFD (twin crystal).
- 10) Data Acquisition Card (Adlink PCIe 9852): 1 GB onboard memory, 200 MHz sampling frequency (maximum).
- 11) Workstation (HP): Operating System: Windows 11 Pro 64-bit, CPU: Intel Core i7 13700, Raptor Lake 10nm Technology, RAM: 128GB Unknown @ 1795MHz (30-29-29-57), Motherboard: HP 895C, Graphics: HP V24i (1920x1080@60Hz), Intel UHD Graphics 770 (HP), 16GB NVIDIA RTX A4000 (NVIDIA), SLI Disabled, Storage: 1863GB Western Digital WDC WD20EZBX-00AYRA0 (SATA (SSD)), 476GB SK hynix BC901 HFS512GEJ9X108N (Unknown (SSD)), Optical Drives: hp HLDS DVDRW GUD1N.
- 12) Centrifuge (iFUGE D08): Maximum volume of 4x50mL. RPM: 500-4500 with count 100. Digital countdown timer. Run time: 1 to 99 mins & infinite mode. Noise level: < 62 dB. I/P: 100-240 VAC, 50/60Hz, output: 24VDC, 3A.
- 13) Micro Centrifuge (HoverLab): High speed Micro Centrifuge Max. R.P.M. 16000. Heavy duty plastic injection molded body. Stainless Steel protection bowl. Fitted with well balance universal motor having long life with imported carbons. Programmable Speed Regulator. Last test parameter recall and displays automatically on LCD Supply. Supply completed with following accessories Head Puller, Spanner, Inst. Manual, Cord & plug to work on 220 volts 50Hz.
- 14) Electronic Weighing Machine (Wensar): Electronic Precision Pan Balance, Rated Load/ Capacity (kg): 200 gm. Resolution (gms): 1 mg. Power Supply: Single Phase. DC Operating voltage in Volts: 220 Volt. Pan/ Platform Size: 80 mm dia. Pan/ Platform Shape: circular. Operating Temperature Range: 10°C to 40°C.

Spintronic and Magnetic Materials Lab and Photonic and Metamaterials Lab

In the Nanomagnetism and Spintronics research work focuses on experimental studies of magnetic, magneto-optical, and spin-transport phenomena in new functional materials and hybrid nanoscale structures. Current research topics include electric-field control of ferromagnetism, spin transport in ferrimagnetic and ferroelectric tunnel junctions, and magneto-plasmonics of patterned nanostructures.



VLSI Laboratory

- 1) Tunable Light source (TLS) (NwePort TLS 300XU): This instrument provide highly confined and monochromatic light source ranging from 300 nm to 2500 nm wavelength range which is used to characterize the optical behavior of the opto-electronics devices. This instrument was customized with the attachments of slits, IRIS and filters to get accurate wavelength. Power can be varied from 200 W to 300 W.
- 2) Precision LCR Meter with Temperature Controller (Keysight E4980AL): This instrument is used to measure inductance, capacitance and resistance of any bulk and thin film material in the frequency range of 2 Hz to 1MHz. This instrument is separately connected with a 2 probe probing-station. The stage of probing-station is attached with a programmable temperature controller which heats the stage up to 350 °C, hence providing the facility of measurement with respect to temperature too.

IRCB Laboratory

This is a teaching cum research laboratory. Various experiments of Biochemistry, Microbiology, Nanobiotechnology and Neurobiology are performed.

The faculty in-charges are Dr Sintu Kumar Samanta, Dr Sangeeta Singh and Dr Amaresh Kumar Sahoo. Along with M. Tech BI/BME practicals, PhD and M. Tech students are working here for their thesis work.

The following instruments are available and in working condition:

- 1) UV-visible Spectrophotometer: Lab India (UV 3000)
- 2) Inverted Fluorescence Microscope: Leica (DMLB2/11888110)
- 3) Gel Doc Unit: BioRad (XR)
- 4) Laminar Air Flow Hood: Clean Air (CAV 1200, CAH 1200)
- 5) Bacteria Incubator and Incubator Shaker: Narang Scientific Works Pvt. Ltd Caltan
- 6) Fluorescence Spectroscopy: Analytical Solutions (FS-2060)
- 7) Table centrifuge: Eppendorf (5424)
- 8) Freezers: Voltas, LG
- 9) Co₂ Incubator: Thermo Scientific (3141)
- 10) PCR: BioRad (My cycler Thermal Cycler)
- 11) Deep freezer: -20 oC Voltas (Coldcel)
- 12) Water purification System: Merck Millipore
- 13) Refrigerated Mega Centrifuge (Capacity 15/50 ml): Thermoscientific (Sorvall ST8R)
- 14) ULT- freezer -80 0C: Thermo Electron Corporation (702)
- 15) pH meter: Eutech Instruments
- 16) Refrigerated Centrifuge (Capacity 1.5/2 ml): Centurion Scientific (Pro research.K2016R)
- 17) Weighing balance: Sartorius (Quintix 224)
- 18) ELISA plate reader: Bio-Rad (IMARK)
- 19) Sonicator: Misonixsonicator (XL 2000-10)
- 20) Nanodrop Spectrophotometer: Nabi



Robotics and Machine Intelligence Laboratory

The main vision of the laboratory is to nurture young minds towards creativity and steer their talents towards high quality research in different areas of Robotics and Intelligent Systems using Information Technology. Our mission is to create an international standard for research and teaching, excel in the area of robotics and cognitive sciences, produce high quality engineers having self-confidence and who can take part in nation's knowledge building endeavor and create a brand name for the Institute as a temple of learning.

The laboratory provides state-of-the-art facilities to learn complex concepts of Artificial Intelligence. Students are encouraged to learn by doing it through many available development environments like Robot Operating System (ROS), MobileSim, Humanoid Open Architecture Platform (HOAP), Interactive Graphics Robot Instruction Program (IGRIP), Humanoid & Mobile Robot Simulation Platform, WEBOT, where students can create and control different kinds of robots using both C++ and Java.

Laboratory purchased the Baxter humanoid robot which has a screen that acts as a face for a socialistic experience, 2 manipulating hands with an electrical and vacuum gripper each, cameras at both hands and forehead to facilitate gripping, and an inbuilt computing system. The robot is compliant to work with the Robot Operating System.

Apart from that we have hardware robots which include:

- Stretch 3 Robot with teleopkit
- Humanoids: Baxter Robot, NaO, HOAP-2
- Mobile Robots: Pioneer LX, Amigobot, Firebird V, Firebird VI
- Kits: Robix, SCARA, LEGO Mind storm, roubdbots
- Specialized Sensors: Quanergy 3D Lidar, Microsoft Kinect, ZED Stereo camera (given by NavAjna Technologies for a specific project)

The lab has also made some indigenously developed robots such as:

- Development of Adaptive Modular Active Leg (AMAL)
- Social Mobile Autonomous Robot Testbed (SMART)
- Autonomous Navigation Testbed (SMART)
- Social Interactive Mobile Robot (TINKU)
- Elephant Trunk Manipulator

At present the laboratory has a number of collaborations like:

- Bio inspired robotics group of EPFL, Switzerland
- Instituto de Robótica para la Dependencia, Barcelona
- University Rovira Virgili, Spain
- Artificial Limb Manufacturing Corporations (ALIMCO), Kanpur
- NavAjna Technologies Limited
- Addverb Technologies limited
- Mercedes Benz Research and Development India

The laboratory is currently pursuing numerous projects such as Human Robot Interaction for Emotions, Robot Grasping and Learning by Demonstration, Simultaneous Localization and Mapping in Urban and Extreme Conditions, Social Robot Motion Planning, Synthesis and kinematics of continuum robots, etc.





Bio-MEMS (Bio-micro-electro-mechanical system) and Nanotechnology Lab

The amalgamation of microfabrication-technology with biology and medicine is producing a large collection of BioMEMS devices that could transform the biomedical-exploration and clinical-practice.

The Bio-MEMS & Nanotechnology Laboratory at IIIT Allahabad was established in early 2017 with major funding support from the DST (WTI-2015, Grant), as well as, SERB (Start-up Grant) sponsored research Grant.

It is in the process of constant remodelling and sophistication to accommodate world-class research facilities in this domain. The lab has been established in Room No.: 4114, CC-II, ground floor; and serves to (1) support BME/ BI/ ECE/ IT student's "Bio-MEMS-Lab" and "Biosensors & Transducers-Lab" courses, and train students with hands-on microfabrication/ simulation - skills; and (2) provide innovative research opportunities for undergraduate/ Postgraduate/ PhD students interested in interdisciplinary Bio-MEMS projects. The decisive ambition of the BioMEMS lab is to augment the collection of students that have both acquaintances of microtechnology/nanotechnology and an interest in applying it to medically and biologically pertinent problems.

The BioMEMS lab consists of four Lab-sections

(i) Polymer Microdevice/ Nanodevice fabrication Section

Polymer BioMEMS present exclusive advantages over Si or glass-based microdevices in providing a biocompatible, adaptable and low-cost platform for cell-based studies. In this lab section, we are at present focusing on fabricating poly (dimethylsiloxane) (PDMS) based microdevices, using soft lithography.

(ii) Biophotonics Section

This section of the lab offers dark-room facilities related to the optical detection based microdevices or nanodevices.

(iii) Cell/ Tissue on micro-chip section

This section of the lab offers critical facilities related to growing/ assorting living cells on microfabricated micro-chip to perform various tissue-engineering/ cell-on-chip based innovative experiments.

(iv) Bio-Medical-instrumentation section

This section of the lab offers critical electrical/electronics facilities related to assembling/ characterizing/ packaging the created bio-medical microdevices or nanodevices, which may lead to proper product design and development.

Advanced Functional Materials Laboratory

In the AFM lab, the focus has been made on the synthesis and characterization of electroceramics-based perovskite, layered perovskite, and other oxide materials as electrode materials for renewable energy sources (solid oxide fuel cells, supercapacitors, batteries). This lab also works on computational materials science of oxide, alloys, thermoelectric, and solar cell materials. AFM lab has recently worked on the implication of the machine learning approach in materials science for the application of data engineering and informatics.

Computer Vision and Biometrics Lab (CVBL)

Faculties: Dr. Satish Kumar Singh, Dr. Shiv Ram Dubey, Dr. Mohammed Javed, Dr. Navjot Singh, Dr. Anjali Gautam CVBL has been involved in cutting-edge research and development activities very actively. Several short-term specialized courses (such as ADASIVA Series, Biometric Winter School, Deep Learning Summer School, etc.) have also been organized by CVBL to train the manpower in the emerging areas. In order to provide the platforms for the researchers to disseminate their research findings, CVBL has been involved in organization of internationally recognized scientific conferences, such as CVIP and CVMI. All these activities have been possible only due to the continuous supports from the funding agencies and collaborators, including MoE, DST, SERB, DRDO, ISRO, GITA, IDAPT-IIT-BHU, UP-CST, NVIDIA, CSIR, IEEE UP Section, IEEE SPS, IEEE CIS, IEEE YP, etc. CVBL also offers the courses such as Deep Learning and Visual Recognition. Website: <https://cvbl.iiita.ac.in/>



Other Labs

• Physics Lab	• Modeling and Simulation laboratory
• Biochemistry & Molecular Biology Lab	• Chemistry & Nanotechnology Lab
• Bioinformatics/Advance Programming Lab	• Bio-signal Acquisition and Analysis Laboratory
• IIITA-IAPT Anveshika Laboratory	• Biomedical Informatics Laboratory
• System Biology laboratory	• Biomedical Imaging Laboratory
• Spintronic and Magnetic materials	• Photonic Crystals and Meta Materials
• Neuro-marketing lab	

Equipments

• NUV exposure system	• Syringe Pump
• 3-D versatile printer (custom made)	• Peristaltic Pump
• Laser ablation system	• Laminar Flow system
• Spin coater	• Optical Bench
• Convective oven	• Optical fiber Spectrometer
• Stereozoom microscope	• Mini laser light sources
• Fluorescence microscope	• Precision Hot plate

Device Fab Lab

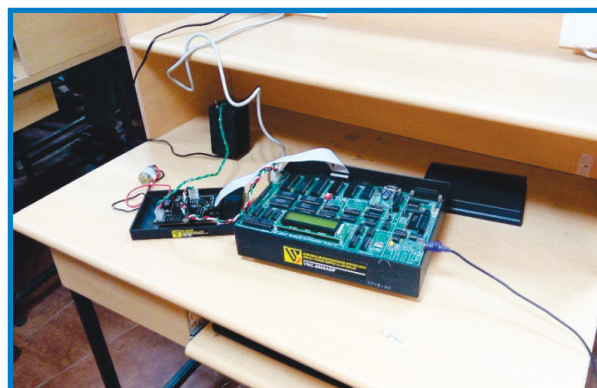
The Device fab lab at ECE department aims to fabricate devices that should be an affordable, consume low power and portable. The lab is equipped with the following measurement instruments:



- 1) Atomic Layer Deposition (ALD)
- 2) Diffusion and Oxidation Machine
- 3) Sputtering Machine (Hind High Vacuum)
- 4) Thermal Evaporation (Hind High Vacuum)
- 5) Keithley Semiconductor Characterization system
- 6) Tunable Light Source (TLS): Newport Corporation
- 7) Lab Scale Electrospinning Machine, Starter Kit from Inovenso Pvt. Ltd, Turkey
- 8) Optical Microscope: Olympus Optical Microscope.
- 9) Mask Aligner SUSS MICROTECH
- 10) Analyte Sensing Setup (Multisensory Measurement System)

VLSI Design & Embedded Systems Lab

The Embedded Systems lab supports teaching and research in embedded systems and re-configurable hardware technology. The lab is engaged in research on architecture, design, and tools for networked and embedded computing and communication systems. Our current interests include wireless sensor and camera trap.





RF & Microwave Lab



The production process of Satellite Communication Lab is led by the assiduous professionals. Our students conceptualize and develop these products while taking into consideration defined parameters of the industry and clients' preference. Keeping in mind divergent demands of the clients, they have made the offered products in different specifications. o study the communication satellite link design: process of transmitting a signal to a satellite (up linking), reception of same signal via satellite (down linking) and functioning of transponder.

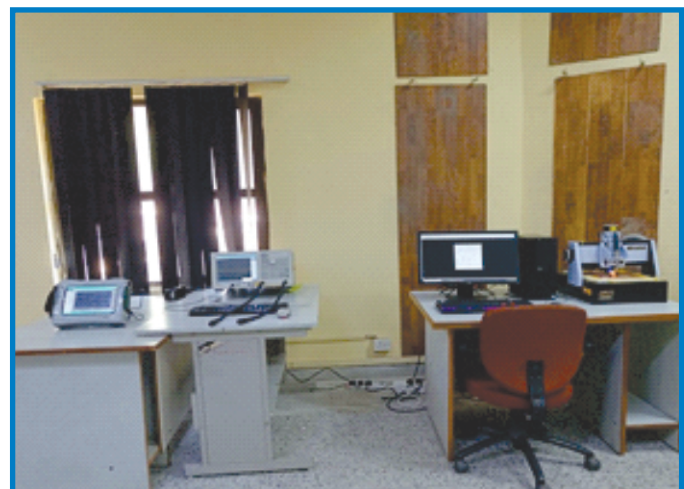
Wireless Sensor Lab

This lab creates integrated circuit technology that enables new applications of wireless sensors. We design chips that enable new levels of system integration, functionality, and robustness. Future wireless smartphone interfaces, body area networks, industrial and home monitoring, and implantable devices demand wireless technology well beyond the state-of-the-art. These applications place increasingly severe demands on circuit and system designers. Miniaturization and power concerns, already important considerations in portable radio design, are amplified in these emerging wireless sensor applications. Additionally, there are several needs on the horizon that will demand completely thin-film integration of RF transceivers, prohibiting surface-mount components of any kind.



RF and Wireless Research Lab

The RF and Wireless Research Laboratory is set up in the Department of Electronics and Communication Engineering, IIIT Allahabad with an intention to strengthen the research in the area of RF/Microwave and Wireless Communication. The lab is funded by DST-FIST (Fund for Improvement of R&D Infrastructure (FIST) program with sanctioning amount of INR 114 Lakh. In order to serve the research needs of academia, and industry clients and to provide expedited support in high-end research, the facility at the RF and Wireless Laboratory will be available on minimum charge basis.





The RF and Wireless Research Laboratory conduct research on wireless communication systems, with a focus on next-generation networks, and also prioritizes antenna design and testing, RF component fabrication, and electromagnetic compatibility analysis. We conduct cutting-edge research on novel antenna designs, fabricate RF components using advanced semiconductor techniques, and investigate the electromagnetic compatibility of wireless devices and systems to ensure optimal performance. Our diverse research agenda enables us to tackle various challenges in wireless communications and develop innovative solutions for society's benefit.



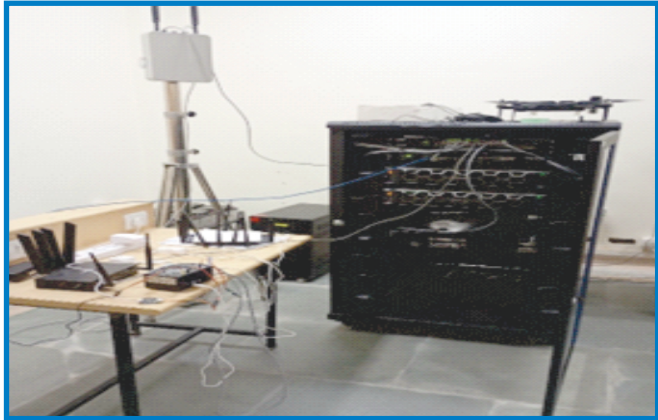
Equipment

Facilities	Description
Anechoic Chamber	An anechoic chamber absorbs all sound and electromagnetic waves, creating an ideal environment for testing audio equipment, performing acoustic experiments, and measuring noise levels and EMI of products. Industries such as automotive, aerospace, and telecommunications widely use anechoic chambers. Additionally, researchers use them to study sound propagation and other auditory phenomena.
Spectrum Analyzer	The Anritsu Field Master Pro MS2090A is a real-time spectrum analyzer with a frequency coverage of 9 kHz to 54 GHz. It can analyze various wireless technologies such as 5G, LTE, wireless backhaul, aerospace/defense, satellite systems, and radar. It has an analysis bandwidth of up to 110 MHz and can perform 5G NR base station measurements.
Antenna Prototyping Machine	The PCB & Antenna prototyping machine is a versatile tool that can drill, mill and route bare PC boards. It has a minimum track width of 4 mils and can process materials up to a maximum thickness of 10mm (0.4 inches).
Vector Network Analyzer	The ShockLine™ MS46322B series is a line of economy vector network analyzers (VNAs) that have a broad frequency range from 1 MHz to 43.5 GHz, with a frequency resolution of 1Hz. These VNAs feature 2 ports and are capable of accurately analyzing high frequency signals.

Software Packages

1. High Frequency Structure Simulator (HFSS)
2. Computer Simulation Technique (CST) Studio Suite
3. Agilent Advanced Design System (ADS)

5G Use Case Lab



Objectives

- To build competencies and engagement in 5G technologies in students and academic fraternity.
- To enable projects at under-graduation and post-graduation level for students using 5G environment.
- To Encourage academia-industry engagement to ideate and develop 5G use cases.
- To Provide local access to 5G test setup for Startups and MSMEs around the institution.
- Making Indian academia & startup ecosystem 6G ready.

Equipment Details

S.No	Equipment/Devices	Product/Make Model
1	5G Core	Coral Air
2	5G Radio	BRIC7401
3	IMS solution	R760xs
4	MEC & Application server	R760xs
5	NMS (with Dashboard)	Coral NMS
6	Router with Firewall	NFRxG
7	5G SIMs	Standard
8	5G Evaluation Board / Hardware and Software Development Kit	—
9	IoT Gateway	IG4xG
10	IoT sensors with analytics software (Loaded in Application server)	Coral GYAN
	Temperature & Humidity sensor	Standard
	Light sensor	Standard
	Soil sensor (NPK)	Standard
	Water (TDS/chlorine) sensor	Standard
11	5G Mini Drone	SUPARNA
12	5G XR (AR/VR/MR) headset or Device (with loaded application such as remote maintenance / training/skill development/ education etc.)	NXGXR2205
13	5G Indoor CPE	KAP510



S.No	Equipment/Devices	Product/Make Model
14	5G Camera with AI enabled Video Analytics (Face/Object/Motion detection, people counting etc.)	SC-IS 22 BP (Sparsh)
15	5G Handsets	Galaxy F23 5G
16	Adjustable Tripod Pole (3m)	Standard
17	24 U Rack	27U D-link
18	UPS 5KVA (1hr backup)	Maxipower
19	32 inch FHD Display	M5 FHD
20	L2 Managed Switch (24 port)	DGS-1250-28XMP
21	Testing & Tracing Tools	Coral ANANT



The Control Laboratory is set up in the Department of Electronics and Communication Engineering, IIIT Allahabad with an intention to focus on both the theoretical foundations and practical applications of control systems across various fields.

Intellectual Property Rights (IPR) Cell

The IPR Cell is an institutional body established to promote awareness, protection, and management of intellectual property created by students, faculty, researchers, and innovators. With the growing importance of innovation-driven development, IPR Cells play a crucial role in strengthening an institute's research ecosystem by guiding creators in securing legal protection for their inventions, designs, literary works, and other intellectual outputs.

The present IPR Cell, under the R&D Committee, is hiring Professional Legal Consultancy Services to enhance the pace of generating IPRs. Further, to fulfil the aforesaid objectives, IIITA has signed an MOU with MyCrave Consultancy and LexAnalytico Consultancy (for one year) because of their ultimate cost-effective professional fee structure. IPR-Cell has been regularly organizing workshops on “Intellectual Property Rights (IPR)” related matters to educate the students and faculty of the institute, enabling them to pursue their projects and creativity in the direction of IPR and develop intellectual assets for the institute.



Memorandum of Understandings (MoUs)

The Memorandum of Understanding

IIIT Allahabad is a global institute, and therefore, the excellence of the institute is derived from the best that it can capture from the leading institutes in the world. This is best facilitated by signing strategized MOUs with every aspect of teaching or research associated with the institute. The institute emphasises functioning at a global level to solve the most challenging problems through research and to supply the highest manpower who, in turn, join different organizations to solve challenging world problems. The institute believes in wide networking and outreach to get the best resources for mutual benefit.

The institute has collaborated with various institutions through Memorandum of Understandings (MOUs). While the MOUs with world class universities like University of Messina, Italy and University of California are to enhance and elevate the research and development activities and knowledge acquisition.

IIIT Allahabad has collaborated with the Indian Space Research Organization (ISRO) of the Department of Space, Government of India, Bengaluru. An organization of National honour and prestige headquartered at Antariksh Bhavan, Bangalore, pioneering in Science and Technology related to space and allied areas of technology.

1. MoU between IIITA and Entrepreneurship Development Institute of India (EDII) Ahmedabad
2. MoU between IIITA and Instituto de Robotica para la Dependencia (IRD), Barcelona
3. MoU between IIITA and University of Rochester, Rochester, NY, U.S.A.
4. MoU between IIITA and Aeon Learning Pvt. Ltd. Bangalore
5. MoU between IIITA and MtoV Inc. (Mr. Dhananjay Singh), South Korea
6. MoU between IIITA and University of Messina Italy
7. MoU between IIITA and Global Academy of Technology (GAT), Bangalore
8. MoU between IIITA and Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, Satna (M.P.)
9. MoU between IIITA and University of Peradeniya, Peradeniya Sri Lanka,
10. Consultancy Project cum Ph.D. Sponsorship by M/S nav Ajna to IIITA
11. Collaboration between IIITA and University of Auckland, New Zealand
12. MoU between IIITA and ISRO (Signed on 23.07.2019)
13. MoU between IIITA and Garuda UAE Soft Solutions Pvt. Ltd.
14. MoU between IIITA Keysight Technologies India Pvt. Ltd.
15. MoU between IIITA and Stifing University, Hildesheim, Germany
16. Extension of MoU between IIITA and Sahyadri College of Engg. & Mgt.
17. MoU between RR Institute of Information Technology, Lucknow (RRIMT) and IIITA
18. 3SR Consultancy LLP NCR (Delhi)
19. Motilal Nehru National Institute of Technology Allahabad, Prayagraj
20. C3iHub, Indian Institute of Technology Kanpur
21. Rajiv Gandhi Institute of Petroleum Technology, Jais UP
22. Alva's Institute of Engineering & Technology Mangaluru
23. TechSKULL Instruments Pvt. Ltd. Grater Noida
24. MACFAST Institute, Tiruvalla



Ranking

IIIT Allahabad has been featuring regularly in rankings of institutes and universities across India and the world, compiled by various agencies. These rankings are done based on various criteria such as research outputs including publications, citations and patents, placement of students, quality of faculty members, international collaborations and so on. Some of the recent rankings are as follows:

NIRF (Engineering)						
Year	2020	2021	2022	2023	2024	2025
Rank	103	87	93	89	87	101-150
QS World University Ranking (QS WUR)						
Year	2020	2021	2022	2023	2024	2025
Rank	1001+	-	1001-1200	-	-	1401+
QS Asian University Rankings						
Year	2020	2021	2022	2023	2024	2025
Rank	351-400	451-500	451-500	551-600	661-650	581-600
QS WUR By Subject - Computer Science and Information Systems						
Year	2020	2021	2022	2023	2024	2025
Rank	501-550	501-550	501-550	651-680	-	751-850
QS Asian University Rankings - Southern Asia						
Year	2020	2021	2022	2023	2024	2025
Rank	N.A.	N.A.	N.A.	145	189	172
India Today - MDRA (Top Engineering Colleges in India)						
Year	2020	2021	2022	2023	2024	2025
Rank	9	10	9	11	11	12



6

**Alumni &
International
Relations**



Alumni Cell

The Alumni Cell facilitates a platform to alumni and the current students by providing forums and creating opportunities for interactions among them. An online registration facility has been provided on the alumni website for all the ex-students to re-connect to the alumni family. Alumni can get registered on the website <http://alumni.iiita.ac.in>. Each member will be provided with a unique ID and password and can get information about his/her batch mates through this portal. One can also revise his/her information through this ID and password. The Alumni Cell under the office of Dean (AA) also wishes to apprise, from time to time, the alumni with the academic and other activities of the Institute.

In the process of bringing IIIT Allahabad on the world map, the role of Alumni is vital. The alumnies are the brand ambassador of the institute.

The Office of Alumni Affairs IIITA has taken several initiatives and launched various programs recently to strengthen the Institute–alumni relationship, such as:

- ✓ IIITA Alumni Website Development and its Launch during the Alumni Meet in Bengaluru.
- ✓ Alumni Management System development to enable alumni to update their profiles online.
- ✓ The creation of an Alumni Database and the verification of basic alumni information from the AAA records; additionally, updating of the active alumni email addresses.
- ✓ Establishment of six alumni Chapters in India and abroad, each with its own Executive Committee of alumni to organize Chapter-level alumni activities.
- ✓ Establishment of an Alumni "Sangam" Council under the patronage of the Director IIITA, and chairmanship of the Dean Alumni Affairs to plan Institute and inter-Chapter level alumni activities.
- ✓ Launch of quarterly Alumni Newsletter and Start of Donation/ Give-back drive
- ✓ Creation of official social media handles.

The activities organized by the Alumni Affairs office during **April 2024 to March 2025** are as follows:

IIITA Global Alumni Meet 2024 (27th-29th September, 2024)

IIIT ALLAHABAD
Office of Alumni Affairs

Invitation

The office of Alumni Affairs cordially invites you to attend the
**SILVER JUBILEE
GLOBAL ALUMNI MEET, 2024**

Join us for a memorable reunion celebrating the achievements and connections of our alumni from around the world!
Connect, Cherish, Celebrate!

27th - 29th September | Venue : IIIT Allahabad, Prayagraj

+91-7317319062 | alumni.office@iiita.ac.in | <https://alumni.iiita.ac.in>

Indian Institute of Information Technology Allahabad
Office of Alumni Affairs
Welcomes Industry Delegates and Alumni
on
Industry - Academia Conclave
on the occasion of
Silver Jubilee Global Alumni Meet, 2024
29th September 2024

Chief Guest
Prof. Mukul Sarad Sutaone
Director, IIITA

Prof. G.C. Nandi
Dept. of IT, IIITA

Prof. U. S. Tiwary
Dept. of IT, IIITA

Prof. O. P. Vyas
Dept. of IT, IIITA

Chairman-Organizing Committee
Prof. Anupam Agrawal
Dean Alumni Affairs, IIITA

"Let us keep the pride alive"





Alumni Interaction with Director and Dean Alumni Affairs



Department Visit

IIIT Allahabad hosted the **Annual “Global Alumni Meet 2024” (GAM2024)** in a Physical mode at the IIITA campus on **September 27th -29th, 2024** respectively.

The Alumni Office invited three “Alumni Guest of honour” with their families on 27th September 2024. Approx. 100 Alumni joined this event and made this event successful. This session started on 27th September 2024 at 08:00 PM IST with the Welcome Dinner with some casual meeting with Faculty and Alumni. Next day on 28th Sept. 2024, the session started with Inaugural function. The event was presided by Hon'ble Chief Guest Prof. **Dr. Mukul Sutaone**, IIITA Director and three Guests of Honor namely **Prof Somnath Biswas**, Adjunct Professor, IIT Goa and Former Director IIITA, **Padma Shri Prof Manindra Agrawal**, Director IITK and Member BOG, IIITA, **Prof P. Nagabhushan**, VC - Vignan University (VFSTR) and Former Director IIITA (attended in Virtual mode). Prof. Anupam, Dean of Alumni Affairs, and our **Alumni Guests of Honor Mr. Satish Kumar**, Engineer @ Indian Radio Regulatory Service, **Mr. Shivam**, Engineering Lead @ ZS Associates, **Mr. Rohit Srivastava**, CEO @ Dparth Tech Advisory Pvt Ltd addressed the IIITA fraternity including Alumni, Faculty, Officers, Staff, Students, and Invitees. The three Alumni Guests of Honors were selected from three categories namely Corporate, Govt./ Civil services and Entrepreneurship.

Our three alumni Guests of Honor were honored with a Shawl, Memento & Welcome kit, and other Alumni were also felicitated with Memento and Welcome kit. The Alumni Office also organized Cultural activities on 28th Sept. 2024. Many of our alumni, faculty, staff member, and their families performed singing, dancing, musical instruments playing, drama, Kavi Samelan, and other activities. Alumni visit to different Departments were organized for interaction with students and faculty members.

The Inauguration session of the Industry Academia Conclave on 29th Sept. 2024 was addressed by Hon'ble Chief Guest Prof. Dr. Mukul Sutaone, IIITA Director. The Industry Academia Conclave session was started at 9:00 AM IST at Physical and Virtual mode. Our 11 Distinguished Alumni speakers and 5 Non-Alumni speakers actively participated in it. After the conclave, 3 MoUs have been signed including one MoU with the Industry in United Kingdom.

Webinars by IIITA Alumni and MoU Partners

IIITA ALUMNI WEBINAR SERIES # 15
Topic : Computer Vision & Sensor Fusion: Solving Real World Road Safety Challenges

Speaker: Madan Kumar Pernati
Profile: Director of Engineering @ Sycamore Informatics Inc
B. Tech IT 2004 Batch

Chief Guest
Prof. Mukul S. Sutaone
Director IIITA

RSVP
Prof. Anupam
Dean (Alumni Affairs)

1st February 2025
Saturday

11:30 AM (IST)
Onwards

LIVE WEBINAR

Google Meet

Webinar Series # 15

The Alumni Affairs office organized the Alumni Webinar Series #15 for IIITA students as per the following details:

Topic: “Computer Vision & Sensor Fusion: Solving Real World Road Safety Challenges”

Speaker: Mr. Madan Kumar Pernati , Director of Engineering @ Sycamore Informatics Inc. (**B. Tech IT, 2004-08**)

Date: 01-02-2025 (Saturday)

Time: 11:30 AM IST (approx. 1:15 hour)

Mode: Online (using Google Meet platform)



Webinar by one of the MoU Partners

The Alumni Affairs office organized the Webinar for IITA students from our MoU Partners as per the following details:

Topic: “Shaping the Future of Medical Training: VR, Research & Collaboration”

Speaker: Ms. Devi Kolli, Founder & CEO @I3 Simulations and Mr. Tom Dolby, Co-Founder & CTO @I3 Simulation.

Date: 19-02-2025 (Wednesday)

Time: 07:00 PM IST (approx. 1:15 hour)

Mode: Online (using Google Meet platform)



Webinar Series # 16

The Alumni Affairs office organized the Alumni Webinar Series #16 for IITA students as per the following details:

Topic: “The Heartbeat of AI: From GPU Design to Silicon”

Speaker: Mr. Arvind Vanam , Senior Manager- Core Graphics & AI Division @ Intel Corporation (B.Tech IT, 2004-08 batch)

Date: 19-03-2025 (Wednesday)

Time: 07:00 PM IST (approx. 1:15 hour)

Mode: Online (using Google Meet platform)

Other relevant information related to activities of Alumni Affairs Section, IITA

1. The Alumni Affairs section prepared and submitted following information:
 - The applicant Ms. Sunita Singh has asked alumni related information through RTI on August 27, 2024 (through PIO IITA).
 - Information required from office of Dean (A&R) dt. 14-09-2024 for NEP Progress monitoring Webform regarding the information like:
 - i) Number of Alumni participants under the Association
 - ii) Does the Institute have an Alumni Connect Portal.
 - iii) Number of registered users on the alumni portal/Social Media Platforms/Email.
 - iv) Year Wise Financial Contribution (in lakhs) by Alumni (Last 3 years).
2. The Alumni Affairs section collected Donation of Rs 2,00,973/- during the IITA Global Alumni Meet 2024, GAM2024 (27th - 29th September, 2024), confirmed by the IITA Accounts section on 14-11-2024.



7

Student (Gymkhana) & Activities



Student (Gymkhana)

Presidential Council		
Mr. Om Khangat (IIT2021218) President	Mr. Omkar Vinod Manapure (mml2023007) Vice President	
Mr. Raj Kumar (RSS2023502) Speaker	Mr. B.T. Manoj Pallakki (IIB2022008) General Secretary	Mr. Aditya Singh Tomar (IIT2021208) UG, Presidential Council Member
Mr. Ritik Kumar (IIT2021205) UG, Presidential Council Member	Mr. Satyam Tripathi (IMB2023059) PG, Presidential Council Member	
Secretariats		
Mr. Mohit Bajaj (IFI2022015) Sports Council Secretary	Mr. Parimal Amrutkar (IIT2022141) Academic Council Secretary	Mr. Aditya Arya (IIT2022143) Cultural Council Secretary
Mr. Mukund Kumar (IIT2022183) Technical Council Secretary	Mr. Netranand Pathak (RSM2023005)/ Ms. Saiushashree Kasu (IEC2022082) Student's Welfare Council Secretary	

Activities of Gymkhana

The Indian Institute of Information Technology Allahabad has been a center of excellence in academia, sports, and technology for over 25 years now. It has pushed the allegorical boundaries, scaled the emblematic mountains, and struggled against every metaphorical obstacle thrown our way. The aim of any education system is to produce leaders who can contribute to the society. IIIT Allahabad has continually endeavored to push the boundaries in all disciplines. It provides excellent infrastructure for its residents to ensure that academic development is duly supplemented by sufficient physical and personality development as well.

Today, the institute is offering its students a creative ecosystem where inquisitiveness and ingenuity are not only encouraged but also rewarded. A healthy amalgamation of academic, sports, and cultural undertakings is helping students excel in what they want, making the institute a haven for visionaries and game changers. We have come a long way in such a short time, and I hope we continue on this exponential growth trajectory and go far beyond the figurative skies of human struggle and triumph.

Few things in the world are more powerful than a positive push. A smile, a world of optimism, and hope. Hope and optimism made us do things with a smile in this deadly pandemic.

The Indian Institute of Information Technology, Allahabad, has created a self-governing democratic organization called Students' Gymkhana. The Students' Gymkhana is empowered to achieve the following objectives with the active help and support of its members and the infrastructure available at its disposal:

- To foster and develop all student activities in the institute.
- To promote and develop organizational abilities in students.
- Identify student issues and promote discussion on them.
- To develop a well-informed, articulate, and participative student community life and to increase social awareness.



Technical Activities

Aparoksha

Aparoksha, the annual technical festival, has grown into one of India's largest and most anticipated platforms for technocrats, serving as a medium for young innovators to showcase technical prowess through the events held as part of the festival. Aparoksha serves as a perfect launchpad for tech enthusiasts to showcase their intelligence and inventiveness and a massive platform for various activities, featuring an interesting line-up of more than 30 Sci-Tech events, including competitive events, technical conferences, guest lectures, and workshops.

Geekhaven

Technical Society, Geekhaven, conducts various events like GeekCamp- a series of workshops and hackathons for the first-year students to teach them various development skills, CodeHaven- a coding competition is conducted to showcase coding prowess, compete with the best, and win exciting rewards, Hackout- a large-scale annual 48-hour international hackathon with massive participation of tech enthusiasts from all across the country.

Gravity

Technical Society, Gravity, is dedicated to innovation, creativity, and technical excellence. Range of events aims to inspire and engage participants by offering platforms to showcase their skills and creativity.

Tesla

Tesla is affiliated with the Electronics and Automation Society of IIITA, aiming to support innovative ideas through events and workshops.

Cultural Activities

This council is tasked with promoting cultural activities to preserve the Institute's heritage and foster a sense of cultural unity among students.

Dramatics Society

Rangtarangini, the dramatic society of IIIT Allahabad, is responsible for promoting theatrical art and culture on campus. The society organizes engaging workshops for acting and scriptwriting, empowering students for both stage and street plays. It actively engages in various stage plays and drama competitions on all occasions.

Literary Society

Sarasva is the heart of all things literary at IIIT Allahabad, encompassing eloquent articles, profound poetry, and captivating stories. With literature infused into everything, Sarasva offers a diverse array of literary expressions. Sarasva organized a variety of literary events and initiatives, providing a platform for students to showcase their talent and appreciation for the art of expression.

Music Society

The Music Society is responsible for providing a platform for the students to showcase their musical talent. The society, apart from having a college band, has been successful in putting on wonderful performances and also in helping students catch the music bug. Society attends various concerts and musicals during the year.



Acoustics and Media Society

The institute takes immense pride in the exceptional services provided by this highly efficient society, which play a crucial role in managing lighting, audio equipment, and visual recording for various events at IIITA. This society operates as a unified and coordinated team, handling all audio and lighting aspects of events with expertise and precision.

Dance Society

The Dance Society showcases exceptional talent and creativity, organizing a range of events and workshops throughout the year. The performances, both on and off-campus, have garnered widespread acclaim, fostering a vibrant and inclusive community for dance enthusiasts.

Fine Arts Society

The Fine Arts Society at IIIT Allahabad is dedicated to nurturing the artistic talents of its members and encouraging them to create unique, innovative, and imaginative works. It serves as a haven for art enthusiasts within the institute. Much of the creative work and vibrant art displayed around the campus is a testament to society's efforts and the creativity of its members. By joining the Fine Arts Society, students become part of a community that celebrates and promotes artistic excellence in all its forms.

Effervescence

Effervescence is the annual cultural festival for celebrating the creativity, talent, and diversity of the IIITA community. The fest features a variety of stage performances, workshops, competitions, and exhibitions like- Cognoscentia- a mind-boggling and insanely competitive intercollege quiz, Footloose- a dance event, Graffiti- Creating artwork on flex boards hung on walls using spray paints, Exploracion- an online competitive photography event specifically tailored for freshers, and Bindass Bol-Rangtarangani- a street play competition in Effervescence.

Sports Activities

SPIRIT

The IIIT Allahabad Sports Society captures the essence of SPIRIT – the SPIRIT of life, competition, victory, growth, participation, and self-discovery. This society thrives on an unwavering drive, boundless daring, and infectious excitement, delivering the most exhilarating sporting events, etc. The intense competitions that test the limits of athletes in inclusive activities encourage everyone to join.



8

Grievance Redressal Measures



Grievance Redressal Measures

In pursuance of implementation of point 20 of the 20 point program relating to responsive administration as communicated vide G.O no 28-29/2002-TS.I Dated October 11, 2002 read with G.O F.No. C.36011/11/2005- PG Hol MHRD dated November 17, 2005 as amended up-to-date, the following Grievance Committee wide Office Order No. IIIT-A/RO/121/2024 dated 15.04.2024 has been re-constituted by the Competent Authority for a period of two years or till further orders.

1.	Dr. Nidhi Mishra	Chairman
2.	Prof. Neena Kohli, Univ. of Allahabad	External Representative
3.	Prof. Manish Goswami	Faculty Representative
4.	Dr. Pramod Kumar	SC/ST/OBC Representative
5.	Dr. Savitri Joshi	Women Representative
6.	Dr. Navjot Singh	Minority Representative
7.	Dr. Kanchan Kumar Tiwari	Officer Representative
8.	Shri. Sanjay Kumar	Regular Staff Representative
9.	Mrs. Nisha Dubey	Contractual Staff Representative
10.	Ms. Priyam Pandey	Gymkhana Representative
11.	Dr. Kavindra Kandpal	Member Secretary

Dr. Nidhi Mishra has been designated as fulltime Grievance Officer of the Institute. She will get assistance from the members of **Grievance Redressal Committee (GRC)** in discharge of her duties as Grievance Officer of the Institute as per orders of the Government from time to time in this regard.

The working of employees (Faculty, Officers and Staff Members) and students and the Co-ordination amongst them, is very important for the smooth functioning of the Institute. The maintenance of a conducive environment for the overall growth in academics, research and administration is the primary responsibility of all the employees and students in the campus. This responsibility has to be shared equally by all employees and students. The following is the mandate for the office of **Grievance Cell** of the institute:

1. To look into the genuine grievances of the employees and students.
2. Maintain liaison with the administration in matters regarding the grievance

The office of the **Grievance Cell (GC)** is established with an objective to settle genuine grievances of the employees and students, so as to create a healthy environment among the administration, employees and students. This office is mainly responsible for maintaining the cordial atmosphere and resolving issues crating disharmony among the employees, students and administration whenever any employee or student is not satisfied with the decision given by the administration. An efficient grievance cell is a must for an administration to claim for a friendly, responsive and responsible solutions for problems which are complaining in nature.

The office of the Grievance Cell has been actively involved in the disbursal of grievances of employees and students. Regular meetings are held and due consideration is given to every call.

In the discharge of her duties, the Chairman will have the right to call for any information, papers and records etc. from the offices of the Institute and it will be the duty of the Institute officials concerned to promptly produce relevant records called for by the Grievance Officer for expeditious disposal of grievances.



Committee for Prevention of Women Harassment at Workplace Committee

In supersession to the Office Order No- IIITA/ODRA/153/2017, dated 11.7.2017, the Committee for Prevention of Women Harassment at workplace Committee is reconstituted by the competent authority as follows:

1	Prof. Krishna Mishra (the senior-most woman faculty representative)	Chairperson
2	Prof. U. S. Tiwary, Dean (Human Affairs)	Co-chair
3	Prof. Vijaishri Tiwari	Member
4	Dr. Uma Kalpagam, Professor, G.B. Pant Social Science Institute, Allahabad	Member (External)
5	Mr. Rohan Gupta, Advocate (Legal advisor)	Member (External)
6	Dr. Pavan Kumar Saini, Joint Registrar (Estt.)	Member

The term of the Committee is effective from July 12, 2017 for a period of 02 years or till further order. This is in accordance with the rules as given in the Handbook provided by Ministry of Human Resource Development (Department of Higher Education), Vigilance Section under their Letter no- 23011/01/2016-Vig, dated 07.06.2017. Services rendered by the outgoing members are highly appreciated.

Prevention of Ragging in the Institute

Ragging in the educational institutions has been yet another social evil that has been taking its toll every year over the country so much so that many a youthful prodigies have lost their careers and even their lives solely on account of this evil. All preventive measures have often failed and the malady has been evading cure unabatedly.

The Supreme Court, of late, has taken a very serious view of this social evil and has issued stern directions in asking the Government and all organs under the Government to stop the menace of ragging altogether with immediate effect. It has also issued stern action against non-observance of the Appellate Court instructions through the Government and the UGC.

IIITA, therefore, has undertaken positive measures to implement the Apex Court directions in this regard through an Office Memorandum No. IIITA/DIR/1358/2009 dated 10.07.2009 and multi-structured Committees have been constituted as under for its implementation:

a) Institute level Anti-ragging Committee

1	Dean, Students' Affairs	Chairman
2	Head of the Division	Member
3	Warden/Counselor of the concerned Hostel	Member
4	Registrar/Joint Registrar/Dy. Registrar/Assistant Registrar of Institute	Member
5	Legal Counsel	Member
6	Nominated Person	Member

**b) Institute level Anti-ragging Squads**

1	Dean, Students' Affairs	Chairman
2	Assistant Proctor (two by rotation)	Member
3	Security Officer	Member
4	One M.Tech/Ph.D. Student Nominated	Member
5	Warden (nominated)	Member

c) Hostel Level Anti-Ragging Squads

1	Warden of the Hostel	Chairman
2	Two Prefects	Member
3	One representative of Fresher's	Member

Wide publicity of these preventive measures have been made through notice boards, handouts and website of the Institute at all possible places on the Campus, hostels and other vulnerable points. The structured Committees are on the prowl all the times to deal with any inkling of the malady.

Prohibitions and Bans

The Institute is committed to ensure observance of Prohibitions and Bans promulgated under orders of the Supreme Court, Government and regulatory authorities under the Govt.

Accordingly, the following prohibitions and bans are strictly imposed in the Institute:

- Use of alcohol, tobacco and its products are totally banned in and around the Institute.
- The entire area inside the Campuses of the Institute is a Smoking Free Zone. Therefore, smoking is strictly prohibited.
- Use of mobiles in classrooms, labs, academic, administrative, cultural and extra-curricular activities, Seminars, Workshops and other official gatherings of the Institute is strictly prohibited under orders of the Parliament.
- Any other prohibition or ban as may be promulgated under orders of the Competent Authority from time to time.



9

Infrastructure & Facilities



Campus

The IIITA Jhalwa campus includes three Computer Centers with several labs each, lecture halls, auditorium, library, and residential buildings. This campus has been developed on 100 acres of land at Devghat, Jhalwa, on the outskirts of Prayagraj (Allahabad).

The architecture aims to transcend established design conventions and make a statement about the similarities between atoms and bits. Instead of the traditional geometric lines, the campus and other buildings have been styled on patterns developed by internationally acclaimed scholar and mathematician, Roger Penrose.

Penrose Geometry

This grid was chosen because the process of constructing a “Penrose Universe” has a remarkable congruence with the fundamentals of information theory. The basic units of information are aggregated in simple or complex sequences to provide a variety of “information structures” that span the entire range of human activity.

Sprawling on 100 acres lush green lawns and expanse of rich flora and devise floriculture, the Campus includes Visitors Guest House, Faculty Guest House, VIP Guest House, 05 Boys' Hostels with the occupancy of 1975 inmates, 03 Girls' Hostels, Residential Quarters of Type I, II, III & IV, Married Scholar Apartments, Students Activity Centre, Bank, Health and Shopping Complexes, Squash Courts, Tennis Courts, Badminton Courts, Basket Ball Court, Pavilion & Playgrounds, Swimming Pool etc.

Elements of the Campus

Within the Penrose layout for the campus, a central zone has been marked out for the academic core consisting of an administrative building, lecture theater complex, library, computer laboratories and research facilities. The sun pattern has been chosen for laying out the library and the lecture hall complex. The computer laboratories and the administrative buildings are derived from selected tessellated blocks in the star pattern. The lecture theater complex has pentagonal lecture halls seating 100+ students. Multimedia labs, tutorial rooms, faculty rooms, language labs and meeting rooms are also included. The basement of the building contains the air-conditioning plant and other service machinery. The building has three levels, with an area of approximately 3820 sq.m. The total covered area in the academic campus is approximately 15,600 sqm. Dholpur stone and rough cast plasters are the two main finishes chosen for the building exteriors.

This infrastructure is proposed to accommodate the needs of the institute for more than a decade. The students have access to a regular bus service from the Jhalwa campus to central Prayagraj city (Vigyan Prarishad). There are separate hostels for men and women, with single rooms (for the senior most batches) and twin sharing rooms. The spacious accommodations are provided with computers, along with 24-hour backup power supply. The hostel mess caters to the students' meals. Facilities for recreation and sports like cricket, football, badminton and table tennis are available with more on the way.

Salient Features in brief

- 24 X 7 Internet/Wi-Fi Connectivity throughout the campus
- Normally each student allotted P4 and above computers
- 24 X 7 uninterrupted power supply
- State of the art facilities for all labs
- All academic and administrative areas are fully air conditioned
- Different sport facilities like volleyball court, basketball court, football court, snooker, cricket ground, swimming pool, GYM facilities, etc are available for all the students
- Banking & ATM facilities are available in the Institute premises
- 24 X 7 Medical facilities are available in the campus
- Hostel messes are fully air conditioned
- Institute is having canteen providing hygienic foods / snacks



- One of the salient features of the training imparted to the students is the hands-on computer assembly training. The students themselves have assembled almost all of the Institute's computers, under the guidance of specially trained technical staff. This has not only enabled the Institute in bringing down the cost of new computers, but also made almost 100% instant troubleshooting of any faults, resulting in no requirement of any computer related AMC's.
- Broadband over Power Line (BPL)

Sports

IIIT Allahabad has an excellent physical activity infrastructure for its residents to ensure that academic development is duly supplemented by sufficient physical development as well. A good football ground – complete with spectator stands serves as the principal venue for most of the sports events organized by “Spirit” – the sports club of IIIT Allahabad. A duly marked athletic track circumscribing the ground serves to provide for a safe track for not only the athletic events – but the early morning joggers as well. Aquatic sports are catered to by a 25×12m swimming pool that is maintained to strict hygiene standards. The institute also provides flood lit basketball, tennis, badminton, volleyball and squash courts to ensure that students have sufficient venues to engage in games of their choice. To further complement these venues, the air-conditioned Student Activity Center (SAC) also houses a table tennis facility along with a billiards room for those interested in indoor activities.

Sports Activities at IIITA for 2024-25

- Republic Day Marathon (Marathon for Peaceful Coexistence) held on 26th January 2025.
- Employee Meet: The 1st Inter-IIIT Employee Sports Meet was held from 15-17 November, 2024
- Recreational sports activities for fresh alumni during the Convocation
- Organized more than 15 cricket and badminton matches under FIT India campaign

Sports Facilities available at IIITA

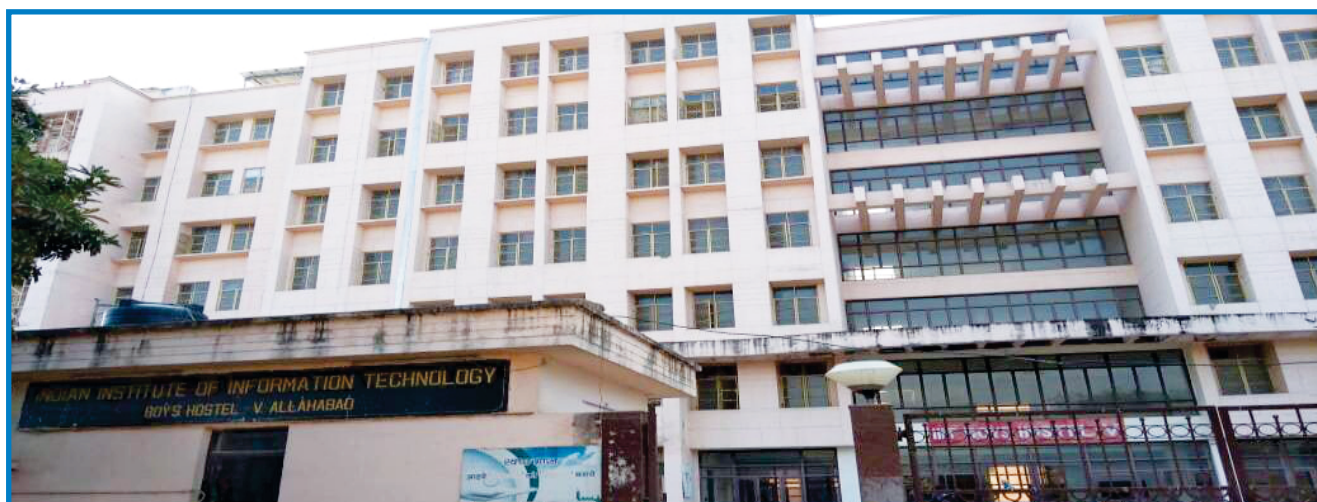
1	Aquatics	(1 All-weather swimming pool of 25 meter with diving and water polo)
2	Basketball	(1 Court)
3	Football	(1 Multipurpose Ground)
4	Cricket	(1 Multipurpose Ground)
5	Volleyball	(2 total: Main Ground and BH.1)
6	Badminton	(BH5, BH1, I Block, D Block)
7	Squash	(2 Courts)
8	Lawn Tennis	(1 Court)
9	T.T.	(5 total: SAC, BH1, BH.5, GH.1, VH.1)
10	Snooker	(1 in SAC)
11	Kho - Kho	(1 Court)
12	Kabaddi	(1 Court)
13	Carrom / Chess	(5 in SAC)
14	Gyms	(4 Total: VH.1, GH.1, BH.1, BH.5)
15	Athletic Track	(400-meter track)
16	Throw Game	(1 Multipurpose Ground)
17	Jump Events	(1 Multipurpose Ground)
18	Tug of War	(1 Multipurpose Ground)



Hostels

The Institute has state-of-the-art Hostel facilities for both Boys and Girl students with good ventilated rooms equipped with computers, fully air-conditioned modular Mess with electronic equipments and playing facilities.

Hostel	Rooms			Occupancy
	Single	Double	Total	
Girls Hostel – I	10	21	31	52
Girls Hostel – II	10	39	49	88
Girls Hostel – III	128	48	176	248 (Including 24 single suits)
Boys Hostel – I	108	78	186	264
Boys Hostel – II	108	78	186	264
Boys Hostel – III	108	78	186	264
Boys Hostel – IV	168	92	260	352
Boys Hostel – V	347	210	557	831 (Including 64 single suits)
Married Scholar Apartments			50	50
Total				2413



Classrooms

- Computer Centre (CC-I) 05
- Computer Centre (CC-II) 05
- C.V. Raman Bhawan (CC-III) 12
- Lecture Theatre (LT) 10



Laboratories

- Computer Centre (CC-I) 16
- Computer Centre (CC-II) 16
- C.V. Raman Bhawan (CC-III) 30
- Lecture Theatre (LT) 05





Faculty Cabins

- | | |
|------------------------------|----|
| • Computer Centre (CC-I) | 22 |
| • Computer Centre (CC-II) | 22 |
| • C.V. Raman Bhawan (CC-III) | 54 |
| • Lecture Theatre (LT) | 10 |

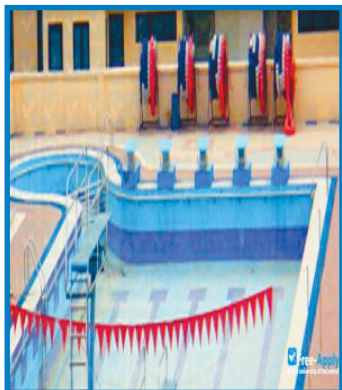


Residential Facilities

Sl. No.	Type	Built Area	No. of Rooms
1	A	55 m ²	08
	B	85 m ²	16
	I	85 m ²	32
	C	100 m ²	02
	G	100 m ²	20
	D	120 m ²	28
	H	120 m ²	18
	J	148 m ²	20
	E	155 m ²	14
	F	200 m ²	05
2	Visitors' Hostel I		
	AC Room suites (Refrigerators, TV, computer facilities in six suites), all double beds)		10
	AC Rooms (TV, All Double beds)		20
	Non-Ac Rooms (Dining Hall, cyber cafe-3 computers, gym facilities)		10
	Visitors' Hostel II (For VIP/International Visitors mainly with all essential facilities)		
	Visitors' Hostel III (All double beds, refrigeration in 17 suites, TV & computer in all 30)		
	AC Suites		28
	AC Single		02

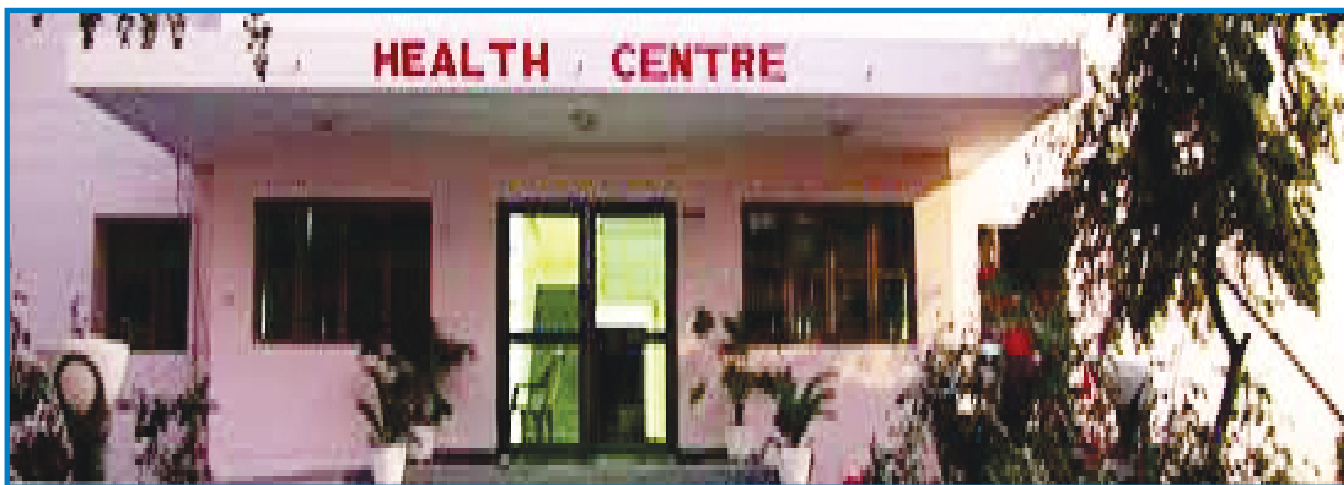
Other Amenities

➤ Auditorium	➤ Cafeteria	➤ Student Activity Centre
➤ Sports	➤ Amul Parlour	➤ Director Residence & Camp Office
• Pavilion	➤ Nestle Parlour	➤ HVAC & Associated work
• Volleyball Court	➤ Health Centre	➤ Internal Furnishing for academic buildings, hostels and auditorium
• Lawn Tennis Court	➤ Physiotherapy Centre	➤ Office Equipment's
• Athletic Track	➤ Bank ATM Points	➤ Sewage Treatment Plant
• Squash Court	➤ Telephone Exchange	
• Swimming Pool	➤ Shops	
• Gymnasium	➤ Dormitory	



Health Centre

The institute's Health Centre operates 24/7 offering OPD care and first aid services for the residents. It provides prompt treatment for minor ailments and injuries ensuring accessible healthcare around the clock. A multi-bed hospital is available students requiring extended medical care for more serious health concerns. The Health Centre is equipped with facilities such as Nebulizer and Pathology for basic routine tests on weekdays. A well-equipped Physiotherapy Centre is also available, providing rehabilitative support for residents.



The Medical Claim and Accidental Insurance Policy (MCAIP) ensure that students have access to timely hospitalization and the best of the treatments. A dedicated ambulance is available 24/7 to transport patients to best multispecialty hospitals empanelled with the institute in case of severe illness or emergency. Homeopathic treatment is also available on selected days. To ensure optimal medical care, students are required to disclose their medical history such as asthma, epilepsy, hypertension, diabetes or any other chronic conditions, at the time of admissions. This helps the medical team provide appropriate treatment and care during emergencies or otherwise. A team of well qualified and experienced doctors ensures the best of health care for all the residents.

Services

In our institution, a comprehensive suite of network services is expertly managed and maintained by both Institute staff and students. This includes essential services such as DNS (Domain Name System), Web Servers, DHCP, VPN, NFS (Network File System) Servers, Windows Domain Controllers, as well as Mail and Web servers. To ensure security and efficiency, services for both Intranet and Internet are meticulously separated by a robust firewall. Additionally, web and mail services are carefully segmented to differentiate between external and internal usage, enhancing both performance and security. Ongoing initiatives are focused on expanding and optimizing the campus Wi-Fi network, ensuring seamless connectivity and supporting a wide range of academic and administrative activities.



Networking, Maintenance & High Computing Facilities

At IIITA, we have established an extensive and highly reliable network infrastructure that supports over 15,000 nodes, functioning seamlessly around the clock to meet the needs of more than 3,000 users and approximately 7,000 networked devices, including desktops, laptops, mobile phones, and MacBooks. Of these, around 4,000 nodes operate continuously, ensuring consistent and dependable connectivity.

Our internal network design is built on a combination of dedicated wired connections and shared wireless networks, providing robust access to every node across the campus. The network is meticulously laid out using optical cables that connect every building, and is equipped with high-quality hardware, including load balancers, firewalls, web security appliances (WSA), and Layer 3 managed switches. This setup ensures high-speed (Gigabit) intranet access 24/7.

For internet connectivity, IIITA is supported by a dedicated 1Gbps link from the National Knowledge Network and an additional 3Gbps bandwidth from Vodafone and Idea, operating in redundant backup mode. Both internet links are simultaneously managed through a Link Load Balancing Device to optimize high-speed traffic and ensure uninterrupted connectivity in case of technical issues.

The Centralized Server Room is at the heart of network operations, monitoring all network-related activities and providing secure network services throughout the campus. Our network infrastructure leverages cutting-edge technologies, such as Nexus Backbone switches, Unified Threat Management systems, and Adaptive Security Appliances, all of which are regularly upgraded to meet the evolving needs of our users.

The Networking and Maintenance Cell (NMHC) is dedicated to providing comprehensive support, including hardware (desktops, laptops, printers, scanners), software, and technical services. Under the guidance of the NMHC Section, various labs are set up for undergraduate and postgraduate students. Key services offered to students include web access, email, proxy services, firewall protection, DNS, LDAP, user profiles, storage solutions, forums, and databases, all designed to support their academic and research activities effectively.

Software: The PC's use mainly Windows and Linux. The labs have a very rich repository of software ranging from integrated development environments for C/C++, Java, Visual Basic, to RDBMS like Oracle 9i, MySQL, MATLAB, Webex Microsoft Office. Several specialized software for core labs or projects like Statistical, Rational Rose, SPSS 10.0, Argo UML, Systat 12 and other licensed version software for testing purposes have also been acquired. ERP prototype packages are being acquired for facilitating the students with the latest enterprise applications.

Hardware: Computer laboratories and the administrative buildings are derived from selected tessellated blocks in the star pattern. All the labs are equipped with latest PCs having Quad Core, i5, i7 and 1 TB storage and 8/16 GB (RAM) with 24X7 internet connectivity through 3+1 GBPS Leased line. Scanners, CD/DVD writers, Laser printers are also provided in the Labs.

ISP And Network Devices Details: 1 GB Link from NKN (BSNL Media Provider) and another 3 GB link from VI, over Juniper MX-80 (NKN) and Juniper ACX 1100 Series (Reliance) Routers, Security Appliance: CISCO Wi-Fi Controller 5516, FPR 2100 Series, Fortinet 1000B (LLB), Core Switches: CISCO Nexus 7000 Series, CISCO Catalyst 4507 R+E, Cisco 3560, CISCO 2960, and Cisco 4000 catalyst, provide support in maintaining state of class network services for users.

Central Computing Facility (CCF): NMHC maintains a Central Computing Facility which consists of the HPC (SURYA), Big Data (DHYAN) and Cloud Facility. HPC has 16 CPU (640 Cores) compute node clusters and 4 GPU (160 cores with 2x4 Nvidia Tesla V100 having 40,960 CUDA core) node clusters along with 8.5 TB of RAM. The Big Data Facility (DHYAN) has 20 CPU (800 cores) data node clusters with 8TB of RAM and ~250 TB of HDFS Storage. HPC and Big Data Facility uses General Parallel Files System (GPFS) for storage (~450 TB) connected via Mellanox 56Gb/s Passive copper cables (15 GBPS throughput) based on DDN GRID Scaler storage. Cloud Facility has 6 cloud nodes (240 cores), 2.3TB of RAM with 150TB of storage. In addition, the CCF have, a) a 96 core DL580 server with Nvidia Tesla-M60 with 8GBx2, 30TB of storage and 512GB of RAM, b) a 12 core DL380 server with Nvidia Quadro M6000 with 24GBx2, 4TB of storage and 128GB RAM, and c) a 20-core server with 4 x Nvidia GeForce RTX 3090 Ti with 10000 CUDA cores, 2TB storage and 256 GB of RAM.

The CCF facility has 100 Gbps inter-connectivity, 10 Gbps external connectivity, 2x100 KVA UPS backup, and Precision air cooling solution with N+1 redundancy.



The Central Library: An Overview

The Central Library of the Indian Institute of Information Technology Allahabad (IIITA) is a pivotal resource for the academic community, meeting the educational and research needs of students, faculty and staff. Equipped with state-of-the-art facilities, the library offers an extensive collection of resources, including digital and print materials, to foster learning and innovation.

Location and Infrastructure

The Central Library is strategically located at the heart of the IIIT Allahabad campus, making it easily accessible to the entire institute community. The library's infrastructure facilitates individual study and collaborative work, featuring spacious reading areas, private study rooms, and group discussion zones.

Collections and Resources

Books	E-Books	Online Journals	Magazine	CDs / Softwares	Lectures / Video Couses
63150+	2800+	16000+	50+	2500+	1005

The library's collection includes a comprehensive range of books and digital resources. It covers a variety of fields relevant to the institute's emphasis on information technology and related disciplines. We continuously update the library collection to provide users with access to the latest literature in their respective areas of research and development. Key resources include:

- **Books:** A substantial collection of technical and other general reading books and reference materials.
- **Digital Resources:** As per the following, subscriptions to numerous online databases, e-books, and e-journals allow users to access a wealth of information from anywhere on campus.

Subscriptions

As a Centrally Funded Technical Institution (CFTI), the library is eligible to receive full-text access to the database under the Indian government's "One Nation, One Subscription" (ONOS) scheme. The scheme provides access to over 13,000 full-text journals from 30 major international publishers.

Apart from the ONOS, the library subscribes following e-resources as per recommendations of the faculties-

S. No.	Subscribed e-Resources / Research Tools/ Databases / eBooks Collection
1	Grammarly
2	Overleaf
3	EBSCO Business Source Ultimate
4	Springer Nature (eBooks)
5	Pearson Education (eBooks)
6	Elsevier-Science Direct (eBooks)
7	McGraw-Hill (eBooks)
8	NotNul (Hindi eBooks)

NDL E-Resources

- World e-Book Library
- South Asia Archive (SAA)

Plagiarism Detection Software

- Turnitin
- DrillBit-Extreme

Services and Facilities

The Central Library offers several services and facilities designed to enhance the research and learning experience:

- **Online Catalog:** An integrated online catalog system allows users to search for and locate materials efficiently.
- **Reference and Information Services:** Assistance from knowledgeable library staff to help users find resources and conduct research.
- **Reading and Study Areas:** Well-maintained reading rooms and study spaces, including quiet zones and collaborative workstations.
- **Remote Access:** The library provides subscribed e-resources to users from outside the campus through Remote Access tool.

Functions

(a) Procurement

- Library procures books, e-books, e-journal/databases and magazines, etc., based on the recommendations from faculty members. Orders for the proposed requisitions are placed with the approval of the competent authority.
- Database entry of procured books is done in the Library Management System (LMS) according to the accession register.
- Any item procured by the library can be searched through the library OPAC (<https://library.iiita.ac.in>)

(b) Circulation

Once the registration process is completed, registered members can self-issue the books using LDAP credentials. An online book reservation facility is also available through OPAC for books issued to other library members. Auto-generated e-mail alerts for New Arrivals, Loan Status, Overdue Reminders, and availability status of reserved books, etc., are sent to every registered member.

(c) Digital Repository

The Central Library signed MoU with INFLIBNET under which all the PhD theses are being uploaded on the Shodhganga portal. The main objective is to preserve and enable researchers to have easy and open access to theses.



(Library Building)

Overall, the Central Library at IIIT Allahabad plays a crucial role in supporting the institute's academic mission. By providing access to a diverse range of resources and services, the library helps foster a dynamic learning and research environment.



10
Finance
&
Accounts



Financial Statistics for the Year 2024-25

CAPITAL [OH: 35]

The MoE, GoI released Grant-in-aid Creation of Capital Assets [OH: 35] of Rs. 14,99,00,000/- during the Financial year 2024-25 to the Institute. The details are given below:-

Grant received during the year 2024-25 [OH: 35]		
Sanction No. (i)	Date (ii)	Amount (iii)
F.No. 55-2/2024-TS.1 -- GEN 35	25.04.24	2,65,00,000/-
F.No. 55-2/2024-TS.1 -- SC 35	25.04.24	24,00,000/-
F.No. 55-2/2024-TS.1 -- ST 35	25.04.24	11,00,000/-
Total amount (A)		3,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 35	25.07.24	4,41,00,000/-
F.No. 55-2/2024-TS.1 -- SC 35	25.07.24	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 35	25.07.24	19,00,000/-
Total amount (B)		5,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 35	28.10.24	1,84,00,000/-
F.No. 55-2/2024-TS.1 -- SC 35	28.10.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 35	28.10.24	8,00,000/-
Total amount (C)		2,08,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 35	12.02.25	54,00,000/-
F.No. 55-2/2024-TS.1 -- SC 35	12.02.25	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 35	12.02.25	19,00,000/-
Total amount (D)		1,13,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 35	25.03.25	3,50,00,000/-
F.No. 55-2/2024-TS.1 -- SC 35	25.03.25	10,00,000/-
F.No. 55-2/2024-TS.1 -- ST 35	25.03.25	18,00,000/-
Total amount (E)		3,78,00,000/-
Total grant received [A to E]		14,99,00,000/-

Against total available funds during the Financial year 2024-25 of Rs. 20,89,54,259.53 [Opening balance: Rs. 5,90,54,259.53 + Grant received: Rs. 14,99,00,000/-], a sum of Rs. 4,18,90,620.48 was utilized for the purpose for which the Grant was sanctioned leaving closing balance under Capital Head [OH: 35] of Rs. 16,70,63,639.05 as on 31.03.2025.

Creation of Assets [OH: 35]:- Electrical installation and Equipments, Plant & Machinery, Scientific & Laboratory Equipments, Office Equipments, Audio Visual Equipments, Computers & Peripherals, Furniture, Fixtures & Fittings, Library Books & Scientific Journals, Sports & Equipments, Computer Software, E-journals and Small value assets etc.



Salary [OH: 36]

The MoE, GoI released Grant-in-aid Salary [OH: 36] of Rs. 33,88,00,000/- during the Financial year 2024-25 to the Institute as per details given below:-

Grant received during the year 2024-25 [OH: 36]		
Sanction No. (i)	Date (ii)	Amount (iii)
F.No. 55-2/2024-TS.1 -- GEN 36	25.04.24	4,48,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	25.04.24	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	25.04.24	19,00,000/-
Total amount (A)		5,07,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	06.05.24	1,77,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	06.05.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	06.05.24	7,00,000/-
Total amount (B)		2,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	05.06.24	1,77,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	05.06.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	05.06.24	7,00,000/-
Total amount (C)		2,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	25.07.24	1,76,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	25.07.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	25.07.24	8,00,000/-
Total amount (D)		2,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	05.08.24	1,76,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	05.08.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	05.08.24	8,00,000/-
Total amount (E)		2,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	08.10.24	3,09,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	08.10.24	28,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	08.10.24	13,00,000/-
Total amount (F)		3,50,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	28.10.24	3,53,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	28.10.24	32,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	28.10.24	15,00,000/-
Total amount (G)		4,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	12.11.24	3,53,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	12.11.24	32,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	12.11.24	15,00,000/-
Total amount (H)		4,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	20.12.24	1,50,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	20.12.24	14,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	20.12.24	6,00,000/-
Total amount (I)		1,70,00,000/-



F.No. 55-2/2024-TS.1 -- GEN 36	30.01.25	4,41,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	30.01.25	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	30.01.25	19,00,000/-
Total amount (J)		5,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 36	12.02.25	2,27,00,000/-
F.No. 55-2/2024-TS.1 -- SC 36	12.02.25	17,00,000/-
F.No. 55-2/2024-TS.1 -- ST 36	12.02.25	17,00,000/-
Total amount (K)		2,61,00,000/-
Total grant received [A to K]		33,88,00,000/-

Against total available funds during the **Financial year 2024-25** of **Rs. 38,46,49,699/-** [**Opening balance: Rs. 4,58,49,699/-** + **Grant received: Rs. 33,88,00,000/-**], a sum of **Rs. 35,39,73,830.50** was utilized for Salary & Other Components leaving **closing balance** under Salary Head [**OH: 36**] of **Rs. 3,06,75,868.50** as on **31.03.2025**.

Salary & Other Components [OH: 36]:- Salary, Allowances, Medical Expenses, LTC, Leave Encashment, Children Education Allowance, CPDA and Retirement Benefits etc.



General [OH: 31]

The MoE, GoI released Grant-in-aid General [OH: 31] of Rs. 40,56,00,000/- during the Financial year 2024-25 to the Institute as per details given below:-

Grant received during the year 2024-25 [OH: 31]		
Sanction No. (i)	Date (ii)	Amount (iii)
F.No. 55-2/2024-TS.1 -- GEN 31	25.04.24	4,41,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	25.04.24	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	25.04.24	19,00,000/-
Total amount (A)		5,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	06.05.24	2,21,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	06.05.24	20,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	06.05.24	9,00,000/-
Total amount (B)		2,50,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	05.06.24	2,21,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	05.06.24	20,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	05.06.24	9,00,000/-
Total amount (C)		2,50,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	25.07.24	2,21,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	25.07.24	20,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	25.07.24	9,00,000/-
Total amount (D)		2,50,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	05.08.24	2,21,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	05.08.24	20,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	05.08.24	9,00,000/-
Total amount (E)		2,50,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	08.10.24	4,41,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	08.10.24	40,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	08.10.24	19,00,000/-
Total amount (F)		5,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	28.10.24	3,53,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	28.10.24	32,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	28.10.24	15,00,000/-
Total amount (G)		4,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	12.11.24	3,53,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	12.11.24	32,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	12.11.24	15,00,000/-
Total amount (H)		4,00,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	20.12.24	1,79,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	20.12.24	16,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	20.12.24	8,00,000/-
Total amount (I)		2,03,00,000/-



F.No. 55-2/2024-TS.1 -- GEN 31	30.01.25	5,76,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	30.01.25	52,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	30.01.25	25,00,000/-
Total amount (J)		6,53,00,000/-
F.No. 55-2/2024-TS.1 -- GEN 31	12.02.25	3,53,00,000/-
F.No. 55-2/2024-TS.1 -- SC 31	12.02.25	32,00,000/-
F.No. 55-2/2024-TS.1 -- ST 31	12.02.25	15,00,000/-
Total amount (K)		4,00,00,000/-
Total grant received [A to K]		40,56,00,000/-

Against total available funds during the Financial year 2024-25 of Rs. 40,56,00,000/- [Opening balance: Rs. NIL + Grant received: Rs. 40,56,00,000/-], a sum of Rs. 39,52,18,479.68 was utilized for Recurring expenditure leaving closing balance under General Head [OH: 31] of Rs. 1,03,81,520.32 as on 31.03.2025.

Internal Resources of Rs. 4265.38 includes Academic Receipts, Other Income viz. Income from Land & Buildings, Income from Consultancy, Institutional charges received from Projects, Penalty recovered from Vendors, Recoveries from employees for various expenses, Sale of scraps and other misc. receipts etc.

Recurring expenditure [OH: 31]:- Laboratory expenses, Convocation expenses, Stipend expenses [M. Tech & Ph. D], Membership Fee / Subscription charges, Electricity charges, Diesel expenses, Postage & Stationery, Telephone & Internet charges, Printing & Stationery, Travelling and Conveyance expenses, Advertisement & Publicity, Audit Fees, Professional charges, Watch & Ward / House Keeping, Legal charges, Medicines for Health Centre, Transportation expenses, Repair & Maintenance expenses on Buildings, Repair & Maintenance expenses on Furniture & Fixtures, Repair & Maintenance expenses on Plant & Machinery, Repair & Maintenance expenses on Office Equipments, Repair & Maintenance expenses on Computers, Repair & Maintenance expenses on Laboratory & Scientific Equipments, Repair & Maintenance expenses on Electrical items, Repair & Maintenance expenses on Cleaning Material & Services, Pension expenditure, Bank charges and other misc. contingent expenditure etc.



11

Institute Activities



Institute Activities

Marathon for Peaceful Coexistence (26 January 2025)



On the occasion of Republic Day on 26th January 2025, the Sports Society of IIIT Allahabad hosted the 'Marathon for Peaceful Coexistence' event right after the Flag Hoisting. Faculty members, staff, and students participated with enthusiasm and made this event a memorable one!

Effervescence (24 - 27 October 2024)



Effervescence, popularly known as Effe, is the annual cultural cum technical event of the Indian Institute of Information Technology, Allahabad. Hundreds of students from different institutions across the nation participated in the events during Effervescence 2024. Some of the events got national fame and get participation from the top colleges of India like IITs, NITs, and other IIITs every year.

Hindi Fortnight 2024 (15-30 September 2024)



the Institute organized the Hindi Fortnight with the objective of propagating the official language Hindi and promoting its use. Under Hindi fortnight, competitions like Kavi Sammelan, essay, extempore speech, typing, commentary/draft writing etc. were organized. On 27th September 2024, “Kavyotsav-2024” was organized in the Administrative Auditorium under the Official Language Festival. In which renowned writers Shailendra Madhur, Vikas Baukhal, Nar Kankal, Nazar Allahabadi, and Ayushi Tripathi mesmerized the audience by reciting poems.

Har Ghar Tiranga Campaign (09-15 August, 2024)



In conjunction with Independence Day celebrations, the institute announced the third edition of the “Har Ghar Tiranga” by encouraging every IIITian to bring the Tiranga home, offices, and hoist it and share these moments of pride both in the official website of IIIT-Allahabad & official website of Har Ghar Tiranga campaign. The campaign aims to invoke a sense of National pride, fostering a personal connection to our National flag.

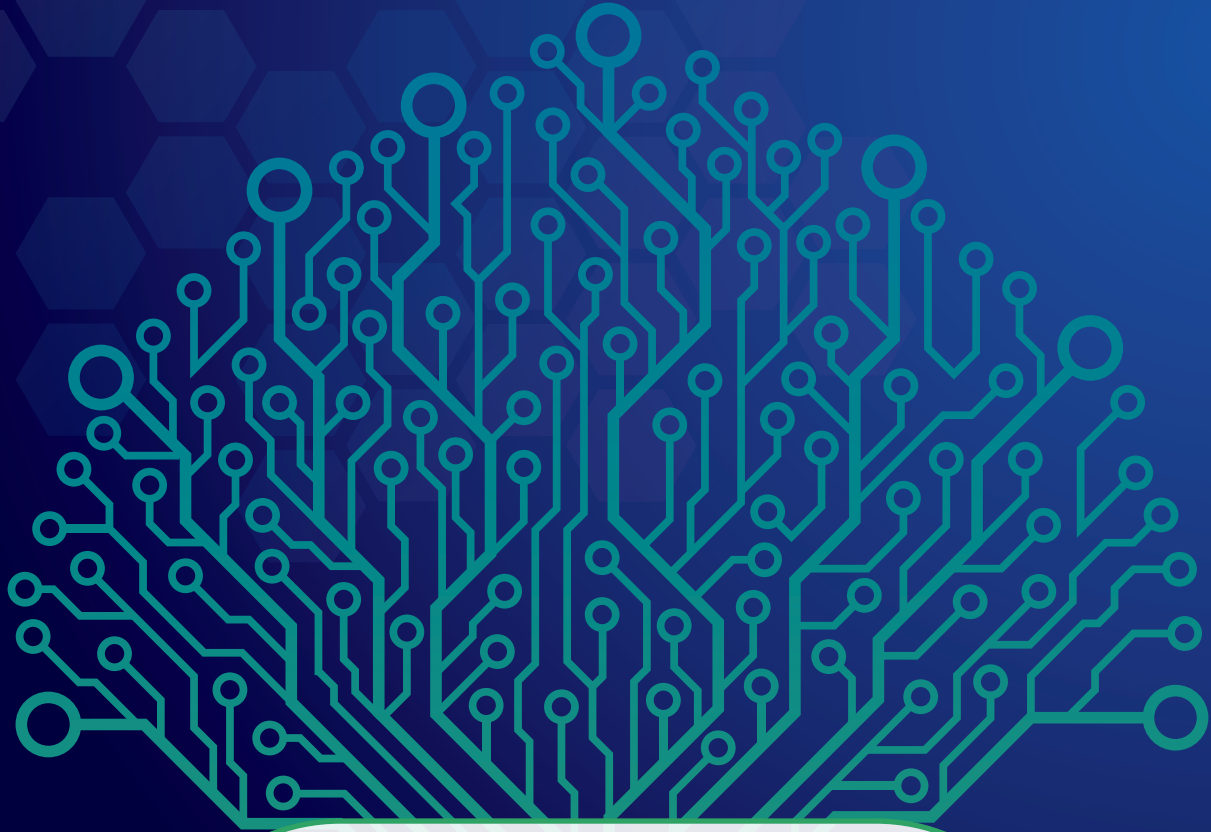
Yoga Day (21 June 2024)



As per the existing practice, the Institute celebrated International Yoga Day. The following events were organized during 17-21 June 2024:

- Lecture on 21st June 2024 by an expert on the theme of “Yoga for Women Empowerment”
- Five-day Yoga Workshop.
- 3. A Competition on the last day of the workshop.

Many employees and their families, students, and PhD scholars and their families participated in this five-day workshop.



12

Functionaries

- **OSD / Deans / Associate Deans**
- **Chairman / Chief Proctor / HoDs / Faculty In-Charge**
- **Wardens**
- **Administrative, Technical Officers & Medical Officers**
- **Support Staff**



OSD / Deans/ Associate Deans



Dr. Akhilesh Tiwari
OSD (till 31.08.2024)



Prof. U. S. Tiwary
Dean (Faculty Affairs)



Prof. Shekhar Verma
Dean (SDA)



Prof. Manish Goswami
Dean (A&R)



Prof. Anupam
Dean (Alumni Affairs)



Prof. O. P. Vyas
Dean (TD)



Prof. Madhvendra Misra
Dean (INR)



Prof. Ranjit Singh
Dean (SA), till 24-09-2024



Prof. Pavan Chakraborty
Dean (SA)
from 25.09.2024 onwards



Dr. Manish Kumar
Associate Dean (S&P)
till 31-08-2024



Dr. S. Venkatesan
Associate Dean (NMHC)
till 31-08-2024



Dr. Ashutosh K. Singh
Associate Dean (S&M)
till 31-08-2024

Chairman (CoW) / Chief Proctor / HoDs / Faculty In-charge



Dr. Prasanna Mishra
Chairman (CoW)



Dr. Akhilesh Tiwari
Chief Proctor
(till 31.08.2024)



Dr. Manish Kumar
Chief Proctor
from 31.08.2024 onwards



Dr. K. P. Singh
HoD (IT)



Dr. Sanjai Singh
HoD (ECE)



Dr. Pramod Kumar
HoD (AS)



Dr. Pragya Singh
HoD (MS)



Dr. Muneendra Ojha
Faculty I/c (T&P)



Dr. B. Shantibhushan
Faculty I/c (Sports)



Dr. Shiv Ram Dubey
Faculty I/c (IRGL)



Dr. Rajat Kumar Singh
Chairman, Grievance Cell



Dr. Nidhi Mishra
Grievance Officer

Wardens



Dr. Nabajyoti Majumdar
Warden, Boys Hostel-I



Dr. Amaresh Kr. Sahoo
Warden, Boys Hostel-II



Dr. Upendra Kumar
Warden, Boys Hostel-III



Dr. Md. Javed
Warden, Boys Hostel-IV



Dr. Surya Prakash
Warden, Boys Hostel-V



Dr. Kavindra Kandpal
Warden, Boys Hostel-V



Dr. Shanti Chandra
Warden, Girls Hostel-I



Dr. Radhika Gour
Warden, Girls Hostel-II



Dr. Pooja Mishra
Warden, Girls Hostel-III



Dr. Anjali Gautam
Warden, Girls Hostel-III

Administrative Officers



Dr. Mandar S. Karyakarte
Registrar
(16.10.2024 onwards)



Sh. Yogendra Kumar Gautam
Deputy Registrar (S&P)
Date of Joining: 21.02.2025



Dr. Asheesh Kumaar
Joint Registrar (AAA)
Date of Joining: 10.01.2001



Dr. Kanchan Kumar Tiwari
Assistant Registrar-SS (F&A)
Date of Joining: 09.05.2002



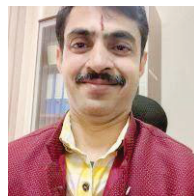
Dr. Seema Shah
Joint Registrar (CoW Office
& Estate Office)
Date of Joining: 13.08.2000



Sh. Ranjeet Banerjee
Assistant Registrar (S&P)
Date of Joining: 04.09.2010



Sh. O. P. Srivastava
Joint Registrar (F&A)
Date of Joining: 01.05.2015
Superannuated on 31.01.2025



Sh. Vivek Nagar
Assistant Registrar-SS (A&R)
Date of Joining: 11.01.2004



Dr. Pavan Kumar Saini
Joint Registrar (Estt.)
Date of Joining: 04.02.2016



Sh. Niranjana Kumar
Assistant Registrar-SS (Audit)
Date of Joining: 16.03.2016



Sh. Rajendra Kumar Jena
Joint Registrar (Library)
Date of Joining: 11.09.2018



Sh. Jayant Biswas
Assistant Registrar (IRI)
Date of Joining: 31.08.2018

Technical Officers



Dr. Mithilesh Kumar Mishra
Technical Officer-SS
Date of Joining: 29.08.2000



Sh. Abhinaba Basu
Technical Officer
Date of Joining: 30.06.2016



Sh. Ajay Kumar Tiwari
Technical Officer
Date of Joining: 08.06.2016

Medical Officers (on Contract)

- | | | |
|---|---------------------------------|-----------------|
| 1 | Dr. Ashok Kumar Singh | Medical Officer |
| 2 | Dr. Aman Dhar Srivastava | Medical Officer |



Support Staff

1



Sh. Rajeev Kumar Bhatia
Superintendent
Date of Joining: 04.06.2003

9



Sh. Himanshu Pandey
Junior Technical Superintendent
Date of Joining: 23.10.2012

2



Sh. Rajendra Singh Bisht
Superintendent
Date of Joining: 01.09.2000

10



Sh. Santosh Kumar Mishra
Junior Technical Superintendent
Date of Joining: 04.02.2011

3



Sh. Prashant Kumar Srivastava
Technical Superintendent
Date of Joining: 07.10.2011

11



Sh. Pankaj Srivastava
Junior Technical Superintendent
Date of Joining: 17.03.2005

4



Sh. Yogesh Kardam
Technical Superintendent
Date of Joining: 21.08.2000

12



Sh. Girish Kumar Dixit
Junior Technical Superintendent
Date of Joining: 17.03.2005

5



Sh. Anil Bhadauria
Assistant Engineer
Date of Joining: 06.03.2010

13



Sh. Pramod Narayan Tripathi
Junior Technical Superintendent
Date of Joining: 23.10.2012

6



Sh. Akhilesh Kumar
Junior Engineer
Date of Joining: 06.03.2010

14



Sh. Upendra Kashniyal
Junior Technical Superintendent
Date of Joining: 13.07.2018

7



Sh. Satya Prakash Sahu
Junior Engineer
Date of Joining: 11.04.2016

15



Dr. (Mrs.) Pallavi Dixit
Junior Technical Superintendent
Date of Joining: 06.12.2018
Superannuated on 30.09.2024

8



Sh. Avinash Mishra
Junior Engineer
Date of Joining: 22.10.2019

16



Sh. Santosh Kumar Yadav
Junior Technical Superintendent
Date of Joining: 23.10.2012



17



Sh. Manik Chandra
Junior Engineer (Civil)
Date of Joining: 22.11.2021

25



Mrs. Pratibha Verma
Junior Technical Superintendent
Date of Joining: 25.10.2012

18



Sh. Sanjay Kumar
Junior Superintendent
Date of Joining: 13.07.2012

26



Sh. Ajit Kumar
Junior Technical Superintendent
Date of Joining: 18.11.2021

19



Sh. Sunil Kashyap
Junior Superintendent
Date of Joining: 01.08.2012

27



Mrs. Priya Pal
Staff Nurse
Date of Joining: 05.11.2012

20



Sh. K. S. Aeron
Junior Superintendent
Date of Joining: 30.05.2003

28



Mrs. Blessy Anie Shaiju
Staff Nurse
Date of Joining: 15.11.2012

21



Ms. Ankita Jaiswal
Junior Superintendent
Date of Joining: 11.02.2016

29



Sh. Vinod Narayan Tripathi
Pharmacist
Date of Joining: 13.04.2010

22



Sh. Sandeep Kumar Keserwani
Junior Superintendent
Date of Joining: 19.03.2004

30



Mohd. Izhar
Pharmacist
Date of Joining: 23.04.2010

23



Mohd. Saleem Ansari
Junior Superintendent
Date of Joining: 04.02.2011

31



Sh. Subhash
Superintendent (Hospitality)
Date of Joining: 29.10.2000

24



Mrs. Asha Shukla
Junior Superintendent
Date of Joining: 04.02.2011

32



Sh. Pankaj Mishra
Senior Assistant
Date of Joining: 15.02.2007



33



Ms. Jagriti Bajaj
Junior Superintendent
Date of Joining: 09.03.2016

41



Sh. Sumit Kumar Shukla
Senior Assistant
Date of Joining: 23.10.2012

34



Dr. (Mrs.) Archita Rai
Junior Superintendent
Date of Joining: 01.02.2016

42



Sh. D. N. Shukla
Senior Assistant
Date of Joining: 30.05.2003

35



Sh. Neeraj Srivastava
Junior Superintendent
Date of Joining: 01.02.2016

43



Sh. Manish Khare
Senior Assistant
Date of Joining: 26.05.2016

36



Sh. Kapil Srivastava
Junior Superintendent
Date of Joining: 23.10.2012

44



Sh. Manoj Kumar Upadhyay
Senior Assistant
Date of Joining: 15.11.2012

37



Sh. Abhishek Pandey
Junior Superintendent
Date of Joining: 23.10.2012

45



Sh. Deep Narayan Das
Senior Assistant
Date of Joining: 12.02.2016

38



Sh. Manohar Kumar
Junior Superintendent
Date of Joining: 23.12.2021

46



Sh. Abhishek Kumar
Senior Assistant
Date of Joining: 06.11.2012

39



Sh. Sarvesh Kumar Mishra
Junior Superintendent (Library)
Date of Joining: 06.03.2010

47



Mrs. Prabha Verma
Senior Assistant
Date of Joining: 15.11.2012

40



Sh. Atul Tripathi
Junior Superintendent (Library)
Date of Joining: 05.02.2016

48



Mrs. Ritu Srivastava
Junior Assistant
Date of Joining: 27.12.2013



49



Sh. Durgesh Kumar
Junior Technical Superintendent
Date of Joining: 04.02.2011

55



Sh. Jay Singh
Junior Assistant
Date of Joining: 21.06.2019

50



Sh. Santosh
Junior Technical Superintendent
Date of Joining: 22.02.2011

56



Sh. Vaibhav
Junior Assistant
Date of Joining: 09.07.2019

51



Sh. Shailendra Singh
Junior Technical Superintendent
Date of Joining: 17.03.2005

57



Sh. Anand Prakash Srivastava
Junior Assistant
Date of Joining: 18.11.2021

52



Sh. Kaushal Kumar Singh
Junior Technical Superintendent
Date of Joining: 17.03.2005

58



Sh. Dheeraj Yadav
Junior Assistant
Date of Joining: 09.12.2021
Resigned from the Institute &
Relieved on 30.09.2024

53



Sh. Ashutosh Shukla
Junior Technical Superintendent
Date of Joining: 04.02.2011

59



Sh. Abhishek Kr. Jaiswal
Junior Superintendent
Date of Joining: 04.10.2024

54



Sh. Rajit Ram Yadav
Junior Technical Superintendent
Date of Joining: 23.10.2012

60



Sh. Raj Kumar Rawat
Driver
Date of Joining: 01.03.2003

61



Sh. Satish Kumar
Driver
Date of Joining: 24.06.2008



13
Sanctioned
Posts,
Recruitment &
Vacancies



Sanctioned Posts, Recruitment (with Backlogs) & Vacancies

Teaching

Cadre wise	Total Sanctioned Strength	Total Person In Position	Vacant Positions	Persons in Position					
				SC	ST	OBC	EWS	UR	PwD
Professor	70	14	56	-	-	-	-	14	-
Associate Professor	60	16	44	-	-	05	-	11	-
Assistant Professor	95	48	47	08	01	10	-	29	-

Filling up Backlog Vacancies during 2024-25

Category	SC	ST	OBC	EWS	Total
No. of Post Filled	0	0	0	0	0

Non-Teaching

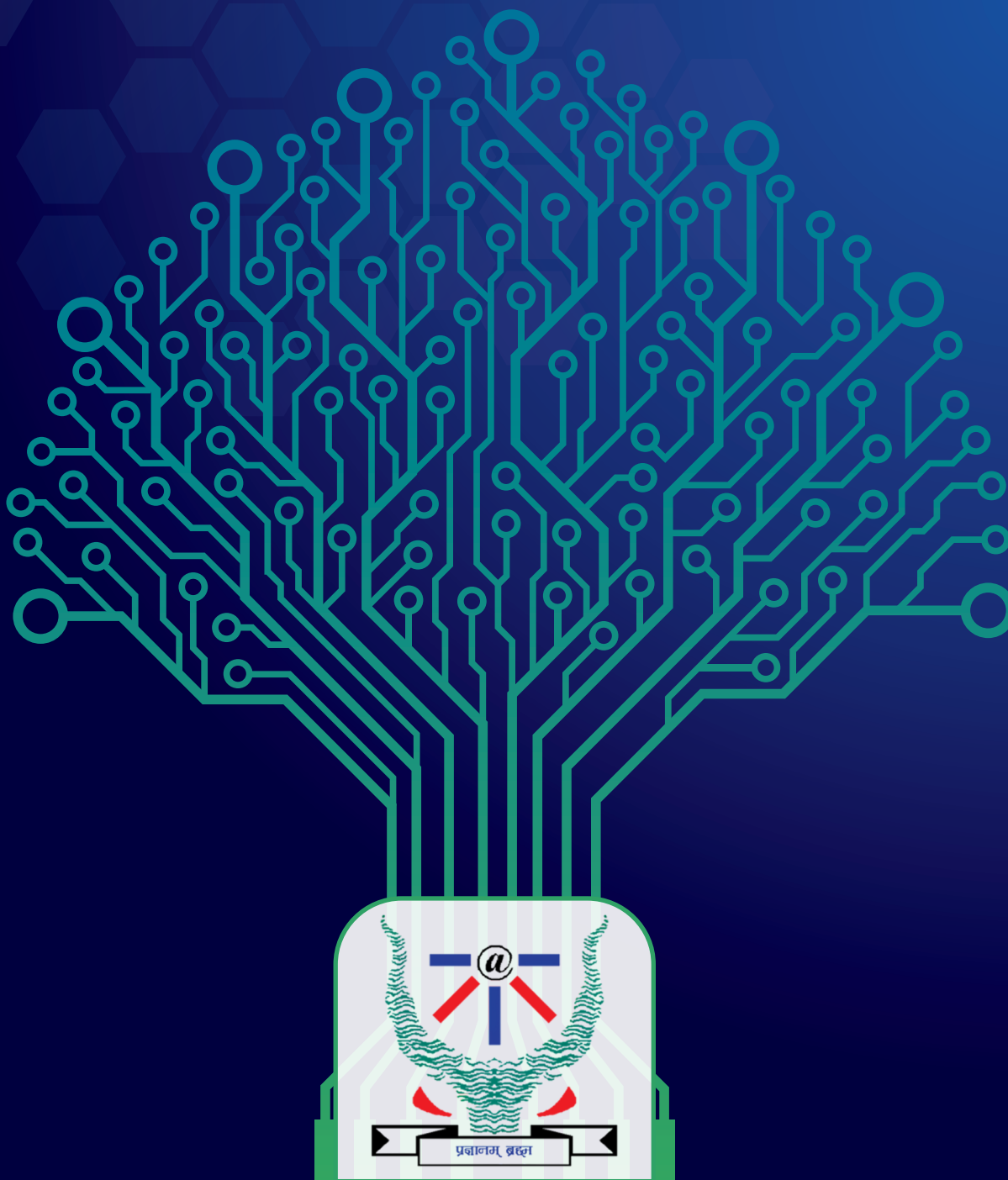
Group wise	Total Sanctioned Strength	Total Persons in Position	Vacant Positions	Persons in Position up-to 31.03.2025					
				SC	ST	OBC	EWS	UR	PwD
Group A	19	14 + 02 (Medical Officers from Contract)	03 Promotional Posts	02	-	02	-	11	01 (UR)
Group B	44	42	01 Promotional Post + 01 Direct Recruitment Post	04	-	09	01	28	-
Group C	22	17	04 Promotional Post + 01 Direct Recruitment Post	02	-	02	01	12	-

Filling up Backlog Vacancies during 2024-25

Category	SC	ST	OBC	EWS	Total
No. of Post Filled	0	0	0	0	0

[illegible]

[illegible]



Indian Institute of Information Technology Allahabad

(Established by Govt. of India under the Act of Parliament)

Devghat, Jhalwa, Prayagraj - 211015 (U.P.), India

Phone : 0532-2922000, 2922025

E-mail : contact@iiita.ac.in, Website : www.iiita.ac.in