

Indian Institute of Information Technology Allahabad

Annual Report 2023-24





Indian Institute of Information Technology Allahabad

(An Institute of National Importance, MoE, GoI)
Devghat, Jhalwa, Prayagraj-211015, Uttar Pradesh, INDIA
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Visitor

Her Excellency Mrs. Droupadi Murmu President of India



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



Chairman, Board of Governors

Dr. Anand Deshpande



(Upto 20.03.2024)

Prof. Mukul S. Sutaone



(21.03.2024 Onwards)

Director Prof. Mukul S. Sutaone



Advisory Board : Prof. Manish Goswami, Dean (Academics & Research)

Dr. Mandar Subhash Karyakarte, Registrar (16.10.2024 onwards)

Dr. Satish Kumar Singh, Registrar (Acting) (up to 15.10.2024)

Dr. Shiv Ram Dubey, Faculty In-Charge (IRGL)

Compiled By : Sh. Rajendra Kumar Jena, Joint Registrar (Library)

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Annual Report 2023-24: At a Glance

Departments

Academic Departments	04
Grants	Amount in Lakhs
MoE	7696
Others	NIL
DST/ SERB, etc. (For Research Project)	439
Research and Consultancy (Including Workshop)	440
Total	8575
Sanctioned (Approved) Intake (2023-24)	Total Actual Student Strength (2023-24)

Sanctionea (Approvea) intake (2023-24)

UG [4 Years Program(s)]	439
PG [2 Years Program(s)]	294
PG [Dual Degree Program (s)]	21
Research Scholars (Ph.D.)	790
Total	1544

UG [4 Years Program(s)]	432
PG [2 Years Program(s)]	187
PG [Dual Degree Program (s)]	06
Research Scholars (Ph.D.)	295
Total	920

Number of Graduands (19th Convocation)

UG [4 Years Program(s)]	432
PG [2 Years Program(s)]	195
PG [Dual Degree Program (s)]	14
Research Scholars (Ph.D.)	32
Total	673

Faculty / Staff Strength

Faculty in Position	78
Non-Teaching Staff in Position	
Group A	15 (13 + 02 Medical Officers on Contract)
• Others (Group B + Group C)	60

IIITA Publications (2001 - May 2024) (from SCOPUS as on May 30, 2024)

Total Publications	Articles	Conference Papers	Miscellaneous Publications	Total Citations	Highest Citation*	Average Citation
3097	1437	1369	291	30317	1181	10

^{*}S. S. Rautaray and A. Agrawal, "Vision based hand gesture recognition for human computer interaction: a survey," Artificial Intelligence Review, vol. 43, no. 1, pp. 1-54, Nov. 2012, doi: 10.1007/s10462-012-9356-9.



IPR

Number of Patents Published	07
Number of Patents Granted	03
Consultancy Projects	Amount in Lakhs

Sponsored Research Projects

Amount in Lakhs

4.97

Number of Active Projects	66
Outlay (₹)	2633.33

Rankings

Outlay (₹)

		NI	RF (Engineeri	ng)			
Year	2018	2019	2020	2021	2022	2023	2024
Rank	90	82	103	87	93	89	87
		QS World Ur	niversity Rankii	ng (QS WUR)			
Year	2018	2019	2020	2021	2022	2023	2024
Rank	-	-	1001+	-	1001- 1200	-	-
		QS Asia	n University R	ankings			
Year	2018	2019	2020	2021	2022	2023	2024
Rank	226+	301-350	351-400	451-500	451-500	551-600	601-650
	QS WUR B	y Subject - Cor	nputer Science	and Informat	on Systems		
Year	2018	2019	2020	2021	2022	2023	2024
Rank	N.A.	551-600	501-550	501-550	501-550	651-680	-
		QS Asian Unive	rsity Rankings	- Southern Asi	a		
Year	2018	2019	2020	2021	2022	2023	2024
Rank	N.A.	N.A.	N.A.	N.A.	N.A.	145	189
		Today-MDRA	Top Engineeri	ng Colleges in			
Year	2018	2019	2020	2021	2022	2023	2024
Rank	13	10	9	10	9	11	11

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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!!!

वीर्यंसहकरवावहै। नौअधीतम्तेजस्विअस्तु |

Prof. Mukul S. Sutaone Director, IIIT Allahabad



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, Director (March 21, 2024 to till date)
- 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.





The Chairman



The Chairman of the Board of Governors of IIIT, Allahabad, Dr. Anand Deshpande is the Founder, Chairman and Managing Director of Persistent Systems (www.persistent.com). Persistent Systems is listed in the Indian stock market (BSE, NSE: PERSISTENT) with more than 18,000 employees in 18 countries and 53 locations.

Dr. Anand holds a B.Tech. (Hons.) in Computer Science and Engineering from the Indian Institute of Technology (IIT), Kharagpur, and a M.S. and a Ph.D. in Computer Science from Indiana University, Bloomington, Indiana, USA.

Prior to founding Persistent Systems, Dr. Anand began his professional career at Hewlett-Packard Laboratories in Palo Alto, California, where he worked as Member of Technical Staff. Dr. Deshpande has served on numerous positions at various professional and non-profit organizations viz. NASSCOM's Executive Council, ACM (Association for Computing Machinery) India, where he was the first President, SEAP (Software Exporters' Association of Pune), Pune Chapter of CSI (Computer Society of India), CII's Pune Zonal Council, Trustee in the Computer History Museum, Trustee in the VLDB Endowment, Dean's Advisory Council in the School of Informatics, Computing and Engineering of Indiana University, and the Vice President of the Executive Committee of MCCIA. Dr. Anand Deshpande is currently the Chairman, Board of Governors of IIT Patna, on the Board of the College of Engineering, Pune and on the Board of the Gokhale Institute for Politics and Economics. With his family, he has set up deAsra Foundation (www.deasra.in) to promote nano entrepreneurs.

Message

IIIT Allahabad has emerged as one of the premier technology institutes in the country. The Institute recently celebrated its twentieth anniversary by showcasing the outstanding achievements since inception. The world is changing exponentially. The technology that we use today will be obsolete in the years to come. In this fast-changing world, it is important that we educate students who know how to learn and adapt continuously. The IIIT Allahabad has emerged as one such place. The IIIT Allahabad curriculum is very aptly designed to support the needs of the students of the modern world. The curriculum is flexible and provides an in-depth knowledge of modern technologies such as Artificial Intelligence, Bioinformatics, Web3 and the Metaverse. Classroom instruction is coupled with hands-on laboratories and project work that help students acquire practical skills about in-depth subjects.

Multidisciplinary academic structure has been the hallmark of the institute. The institute has a tradition of research that spans multiple areas from Life Sciences to Information Science and is well-aligned with the National Education Policy.

I wish the staff, faculty, and students of IIITA all the best!

Dr. Anand Deshpande Chairman, BoG

Board of Governors (BoG)

Chairman



Dr. Anand Deshpande (Up to 20.03.2024)



Prof. Mukul S. Sutaone (From 21.03.2024 onwards)

Members



Prof. Mukul S. Sutaone Director, IIIT Allahabad



Smt. Saumya Gupta JS (TE), MoE



Sh. Anil Kumar Pipal Scientist G and Group Coordinator, MeITY, GOI



Prof. Abhay Karandikar Director, IIT Kanpur



Prof. Archana Shukla



Director, IIM Lucknow



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



Shri Rahul Singh MD, GAPL

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



Dr. Anand Bulusu DoECE, IIT Roorkee



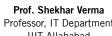
Prof. Arvind Choubey Director, IIIT Bhagalpur, Bihar



Prof. Shekhar Verma Professor, IT Department IIIT Allahabad



Prof. Tapobrata Lahiri Professor, ASDepartment IIIT Allahabad





Dr. Satish Kumar Singh Secretary, BoG & Registrar (Acting), IIIT Allahabad



Finance Committee

Chairman



Dr. Anand Deshpande (Up to 20.03.2024)



Prof. Mukul S. Sutaone Director, IIIT Allahabad

Members



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



Shri Anil Kumar Director (Finance) MoE, New Delhi



Dr. CA Phalguna Kumar CA & Managing Partner, M/s. E. Phalguna Kumar & Co., Tirupati, (A.P.)



Shri MunishMalik Chief Executive Officer NPS Trust, New Delhi



Prof. Mukul S. Sutaone Director, IIIT Allahabad

Secretary



Dr. Satish Kumar Singh Registrar (Acting), IIIT Allahabad

The Director



Prof. Mukul S. SutaoneDirector,
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-Gol (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.



Building & Works Committee (BWC)

Chairman



Prof. Mukul S. Sutaone Director, IIIT Allahabad

Members



Prof. B. G. BirajdarHoD, Civil Engineering Dept.
COEP, Pune



Shri Ashutosh Dixit Chief Engineer (TC) UPTCL, Lucknow



Shri Tarun Gautam Superintending Engineer IWD, IIT Kanpur



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



Prof. Shekhar Verma Professor, IT Department IIIT Allahabad

Secretary



Dr. Satish Kumar Singh Registrar (Acting) & In-charge of Estate IIIT Allahabad

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. Ranjit Singh, Dean (Student Affairs)
Head of the Dept. of the Institute	 Dr. K. P. Singh, HoD (IT) Dr. Sanjai Singh, HoD (ECE) Dr. Ratan Kumar Saha/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. Vijaishri Tewari, Professor Prof. Pavan Chakraborty, Professor Prof. Neetesh Purohit, Professor Prof. Vrijendra Singh, Professor Prof. Pritish Varadwaj, 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, Professor, Dept. of Chemical Engineering, IIT Kanpur Prof. Laxmidhar Behera, Professor, Dept. of Electrical Engineering, IIT Kanpur Prof. K. Chindananda Gowda, Ex-VC, Kuvempu University
Three persons who are not members of teaching staff co-opted by the Senate for their specialized knowledge	 Prof. Ganesh Ramakrishnan, Professor, Dept. of Computer Science & Engineering, IIT Bombay Dr. Santanu Dasgupta, Senior Vice President, Reliance Industries Limited, Mumbai, Maharashtra Prof. A. G. Ramakrishnan, Professor, Dept. of Electrical Engineering, IISc Bangalore
Registrar of the Institute Ex-officio Secretary	Dr. Satish Kumar Singh Registrar (Acting), IIIT Allahabad



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. 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 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. **Diplomain 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.

Students' Strength

S. No.	Name of Programme	Academic Ses	sion 2023-24
3. NO.	Name of Programme	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]	58	30
6	M.Tech. (BI) [incl. Dual Degree]	28	16
7	7 M.Tech. (BME)		04
8	M.B.A.	109	73

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

Sanctioned (Approved) Intake (As per NIRF 2024)

Academic Year	2022-23	2021-22	2020-21	2019-20
UG [4 Years Program(s)]	489	439	439	388
PG [2 Years Program(s)]	179	220	-	-

Total Actual Student Strength (As per NIRF 2024)

All programs of all years	No. of Male Students	No. of Female Students	Total Students	Within State (Including male)	Outside State (Including male)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male)
UG [4 Years Program(s)]	1381	334	1715	408	1307	0	146	838
PG [2 Year Program(s)]	270	60	330	88	242	0	28	138



Examination Results (2020-2024)

Under Graduate Students (a)

		No. of Students Passed					
Academic Session	Name of Program	Воз	ys (S)	Girls (S)			
Albanomic Sossion	Tame of Fragram	With Distinction	Without Distinction	With Distinction	Without Distinction	Total	
July 2020 – June 2024	B.Tech. (IT)	115	92	31	22	260	
Previous Year	B.Tech. (IT)		02			02	
July 2020- June-2024	B.Tech. (ECE)	30	70	09	17	126	
Previous Year	B.Tech. (ECE)		02			02	
July 2020- June-2024	B.Tech. (IT Bln)	10	25	4	3	42	
Sub Total		155	191	44	42		
Total (a)		3	46		86	432	

Post Graduate Students (b)

				No. of	Students Pass	sed	
Academic Session	Name of		Воу	rs (S)	Girls	(S)	
Academie dession	Program	Specialization	With Distinction	Without Distinction	With Distinction	Without Distinction	Total
July 2022- June-2024	M.Tech. (IT)	MCL	05	07	03	01	16
		MDE	05	07	00	00	12
		MML	10	04	01	01	16
		MHC	08	07	01	00	16
		MSE	09	05	02	00	16
		MWC	02	09	00	00	11
		MRM	01	04	00	00	05
Previous Year	M.Tech. (IT)	MML	00	01	00	00	01
July 2022- June- 2024	M.Tech. BI	BI	07	00	03	01	11
July 2022- June-2024	M.Tech.	M.Tech. ECE (MI)	10	01	03	01	15
	(ECE)	M.Tech. ECE (CE)	03	03	01	02	09
Jan. 2022- Dec-2023	M.Tech. DSA		03	05	03	00	11
July 2022- June-2024	MBA		01	32	08	14	55
Previous Year	MBA		00	00	00	01	01
Sub Total		64	85	25	21		
TOTAL (b)			1	49	4	6	195

Dual Degree& Ph. D. Students(c)

Name of Program	Nos. of Students Passed						
Name of Program	Specialization	Boys (S)	Girls (S)	Total			
Dual Degree M.Tech. and	Bioinformatics	2	0	2			
Ph.D.	Cyber Law	2	1	3			
	Wireless Communication Engineering	3	0	3			
	Software Engineering	1	0	1			
	Human Computer Interaction	1	0	1			
	Microelectronics	1	0	1			
	Robotics	1	0	1			
Dual Degree MBA-Ph.D.		2	0	2			
Ph. D.		14	14	28			
M. Tech by Research		1	1	2			
Ph. D -WP		0	2	2			
	TOTAL (c)	28	18	46			

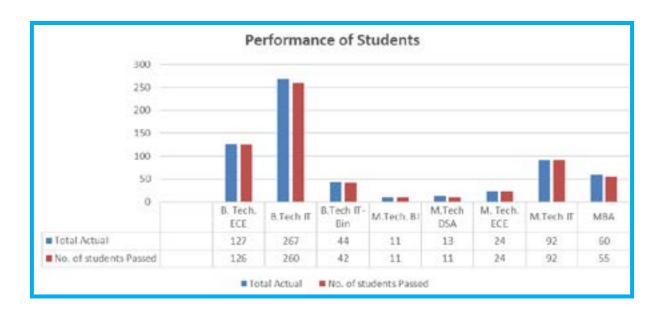
Summary of Statistics for UG, PG, DD & Ph.D. Students

Acadomia Bragram	No. of Students Passed			
Academic Program	Boys (S)	Girls (S)	Total	
Under Graduate Students	346	86	432	
Post Graduate Students	149	46	195	
Dual Degree M.Tech. and Ph.D.	11	1	12	
Dual Degree MBA. and Ph.D.	2	0	2	
M.Tech. By Research	1	1	2	
Doctor of Philosophy Students	14	14	28	
Doctor of Philosophy -WP	0	2	2	
Total (A+B+C)	523	150	673	

Performance of Students

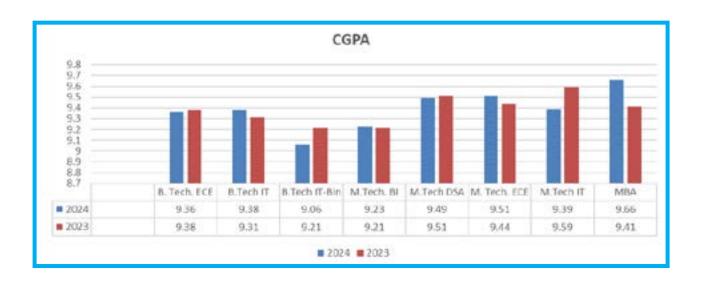
Degrees	Total Actual	No. of students Passed
B.Tech. ECE	127	126
B.Tech. IT	267	260
B.Tech. IT-Bin	44	42
M.Tech. BI	11	11
M.Tech. DSA	13	11
M.Tech. ECE	24	24
M.Tech. IT	92	92
MBA	60	55





CGPA

Program	2024	2023
B.Tech. ECE	9.36	9.38
B.Tech. IT	9.38	9.31
B.Tech. IT-Bin	9.06	9.21
M.Tech. BI	9.23	9.21
M.Tech. DSA	9.49	9.51
M.Tech. ECE	9.51	9.44
M.Tech. IT	9.39	9.59
M.B.A.	9.66	9.41



Medals and Awards

Chairman's Gold Medal 2024



Inder Sonu (IIT2020195)

Institute Medals

B.Tech. (IT)

Gold Medal



Inder Sonu (IIT2020195)

Silver Medal



Kajal Kaushal (IIT2020127)

Bronze Medal



Kartik Gupta (IIT2020032)

B.Tech. (ECE)

Gold Medal



Tarun Singh (IEC2020064)

Silver Medal



Shubhi Pandey (IEC2020090)

Bronze Medal



Supriya Patidar (IEC2020045)

M.Tech. (IT)

Gold Medal



Mohd Faiz Ansari (MML2022006)

Silver Medal



Harsh (MML2022002)

Bronze Medal



Dipankar Karmakar (MML2022003)



M.Tech. (ECE)

Gold Medal



Swapnil Dubey (MCE2022003)

M. B. A.



Silver Medal



Deep Shriya (MMI2022006)

Bronze Medal



Mudit Gupta (MMI2022004)

Gold Medal



Manyata Harishankar Yadav (IMB2022007)

Silver Medal



Deepali Pahuja (IMB2022061)

Bronze Medal



Smriti Tripathi (IMB2022013)

Merit Certificate

B.Tech. (IT-BIn)

1st Rank



Priyamvada Priyadarshani IIB2020037, CGPI= 9.06

2nd Rank



Pratyaksh Singh IIB2020015, CGPI= 8.99

M.Tech. (BI Program)

1st Rank



Kavin Prasath J MBI2022008, CGPI= 9.23

2nd Rank



Joshi Khyati Mahesh MBI2022006, CGPI= 9.22

Academics

M.Tech. (DSA Program)

1st Rank



Abhishek Karmakar IDS2022007, CGPI= 9.49

2nd Rank



Gomtesh Jain IDS2022006, CGPI= 9.08

DD M.Tech. - Ph.D. Program

1st Rank



Fahiem Altaf (PCL2015006), CGPI= 9.55

2nd Rank



Sanchit (PWC2015003), CGPI= 8.76

Endowment Medalists

Nobel Laureate Prof. Claude Cohen Tannoudji Gold Medal

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



Kajal Kaushal (IIT2020127)

Professor Joelle Cohen Tannoudji Gold Medal

Professor Joelle Cohen Tannoudji is an eminent Professor at the University Pierre et Marie Curie, Paris, France. 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.



Joshi Khyati Mahesh (MBI2022006)



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

Dr. T. C. M. Pillayserved 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).



Inder Sonu (IIT2020195)

Prof. Dr. Ing. Matthias Kleiner Gold Medal

Dr. 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.



Tarun Singh (IEC2020064)

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.



Medha Tiwari (IEC2020063)

Shashank Verma Memorial Gold Medal

Late Mr. Shashank Verma was born in 1985 in Lucknow to Mrs. & Mr. Rajiv Varma. 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 in2004. 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.



Anjali Sahu (IIT2020063)

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:

SI. 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 Scholarships Scheme for Minorities	Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade in the previous final examination and the annual income of whose parents/guardian from all sources does not exceed Rs.2.00 Lakh . 30% of scholarship will be earmarked for girl students.	Admission and tuition fees subject to a maximum ceiling of Rs. 3,000/-p.a. Maintenance allowance for 10 months @ Rs. 380/- p.m. for Hosteller and @ Rs. 230/- p.m. for Day Scholar.
3	Merit Cum Means Scholarship for Professional and Technical Courses CS (For Minorities)	Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade in the previous final examination. The annual income of the beneficiary/parent or guardian of beneficiary should not exceed Rs.2.50 lakh from all sources.	Full Course Fees Reimbursementfor IIIT-Allahabad.
4	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/-
5	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. 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.



SI. No.	Name of the Scholarship	Eligibility Criteria	Amount Reimbursable (in Rs.)
6	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
7	National Fellowship& Scholarship for Higher Education of Scheduled Tribe Students	 The total family income of the student from all sources should not exceed Rs. 6.00 lakh per annum. 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
8	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
9	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

Academics

SI. No.	Name of the Scholarship		Eligibility Criteria	Amount Reimbursable (in Rs.)
10	Institute Scholarships			
	(a)	Merit-cum- Means Scholarship	 The cumulative average of SGPI of two semesters only, per year, respectively should be equal to or above 8.50. Parental Income should be less than Rs. 5.00 lakh p.a. Total number of beneficiaries is limited to 3% of the total strength in each individualprogram/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.
11	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 2023-24

B.Tech.

Company	No. of Students Placed	Company	No. of Students Placed	Company	No. of Students Placed
Accolite	4	Credgenics	1	MAQ Software	19
ADP	1	Cubastion Consulting	1	Media Net	2
AiDash	3	CureFit	1	Meesho	14
Airtel	10	Dell	1	Merkle Science	2
Amazon	2	Deutsche Bank	6	Metroguild	1
Anarock	3	Digio	2	Microsoft	2
AngleOne	1	Edelweiss	1	Moneyview	1
Apple	1	Flipkart	1	Morgan Stanley	1
AQR Capital	1	Forma.AI	1	Morphle Labs	1
Arcesium	1	Freo	4	MSCI	3
Arista	1	Futures First	5	Nabosh Technologies	1
ARM	1	Goldman Sachs	5	NVIDIA (Software)	1
Armorcode	1	Google	5	NXP Semiconductors	2
Atlassian	6	Graviton	2	09 Solutions	2
Attentive AI	3	GreyOrange	4	Onextel	3
Attryb	2	HCLTech	11	Oracle	20
bigbasket	3	Hotstar	4	Perfios	2
Blue Yonder	15	HPCL	3	PhonePe	5
British telecom	2	IBM Research	4	Pine Labs	3
BrowserStack	2	ICICI	5	Protium Finance	6
Capritech	5	IND Money	1	PWC	5
Centific	4	Infosys	4	Qoala	3
Cisco	1	Innovaccer	2	Qualcomm	4
ClearTax	6	Intuit	4	Quintics Management	1
Confluent	2	Juniper Networks	4	Ripik	1
Couture.AI	2	Juspay	1	River Quant	3
CradlePoint	1	Lambda Test	1	Rubrik	3
Cred	1	Logic Fruit	3	Salesforce	4
Samsung	5	Spyne AI	2	Traceable	4
SAP Labs	1	Synaptic	2	Trifacta	4
Schrodinger	3	TCS	9	Walmart	5
SendX	4	Tesco	3	Zeta (Directi)	2
Shipsy	1	Texas Instruments	2	Zomato	5
Sprinklr	5	Titan (Directi)	1	Zscalar	1

M.Tech.

Company	No. of Students Placed	Company	No. of Students Placed	Company	No. of Students Placed
Altair Infrasec	1	NXP Semiconductors	7	Traceable	2
Anup Silicon Service pvt Ltd	1	Pine Labs	1	Travel Lovers Pvt Ltd	1
Arm Embedded Technologies	1	Protium Finance	3	Trifacta	1
Aryaka Networks	1	PSIT University	3	Ujjivan SFB	1
Axtria	6	PwC India	1	Walmart	1
Centific	3	Qualcomm	4	Zeta (Directi)	3
Ciena	3	Salesforce	1	Zomato	1
CradlePoint	1	Sony	1	Zscalar	1
Dell	3	Spyne AI	2	Tesco	1
EXL	6	Synaptic	1	Texas Instruments	1
Galgotias University	5	Synopsys	2	Titan (Directi)	1
Global Foundries	4	TCS	6	KIET University	1
HCLTech	11	TCS R&I	2	MathWork	1
ITER - SOA	3	Micron	5		

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
2017-18	231	226	2020-21	221	190	2000000 (Twenty Lakh)	2
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



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
2019-20	158	134	2020-21	125	93	1150000 (Eleven Lakh Fifty Thousand)	13
2020-21	195	144	2021-22	141	137	1675000 (Sixteen Lakh Seventy-Five Thousand)	4
2021-22	220	181	2022-23	176	133	1500000 (Fifteen Lakh)	6





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 and Computing (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

Departments

•	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



Designation: Professor 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

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

Interests: Research 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.







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: Image Processing. Computer Vision, Medical **Image** Processing, Pattern Recognition & Script Analysis, Digital Signal Processing, Speech and Language Processing, Wavelet Transform, Soft Computing & Fuzzy Logic, Neuro-computing and Soft-computers.



Prof. Vrijendra Singh

Designation: Professor

7

Date of Joining: 09.06.2005

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



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 Machine Learning.



Dr. Manish Kumar

Designation: Associate Professor Date of Joining: 06.07.2005

Research Interests: WSN. Data Management in WSN (Aggregation, Query Processing, 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.



Dr. Satish Kumar Singh

Designation: Associate Professor

Date of Joining: 01.01.2013

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



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 Oiha

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. ShivRam 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.

Dr. N Desig

Dr. Nabajyoti Mazumdar

24

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

SI. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Sharad Gupta	An investigation into techniques for incremental machine learning	2024	Prof. Sudip Sanyal Dr. Amit Dhar Prof. Pavan Chakraborty
2	Vandana Kushwaha	Vision-based robot grasping using generative artificial intelligence	2024	Prof. G. C. Nandi
3	Lhilo Kenye	Improving visual simultaneous localization and mapping in dynamic environments using semantic priors	2024	Dr. Rahul Kala
4	Lalita Mishra	Deep learning models for brain tumour classification	2024	Prof. Shekhar Verma
5	Shivangi Nigam	Deep learning for strike-off removal in handwritten scripts	2024	Prof. Shekhar Verma Prof. P. Nagabhushan
6	Gopal Chandra Jana	Spatiotemporal dynamics of emotional experience on Indian samples with film stimuli	2024	Prof. Anupam
7	Tejasvee Bisen	Intelligent avoidance of decompression enabling direct processing in jpeg 2000 compressed document images	2024	Dr. Mohammad Javed Prof. P. Nagabhushan
8	Varsha Singh	Attention based models for generating text description from images and visual content from text	2024	Prof. U. S. Tiwary
9	Aditya Singh	Human robot interactions using efficient semantic mapping	2024	Prof. G. C. Nandi Prof. Domenec Puig
10	Rohit Yadav	Sequential visual place recognition for slam in adverse lightning conditions	2024	Dr. Rahul Kala
11	Ayush Sinha	Development of reliable and secure smart grid framework: a data driven approach	2024	Prof. O. P. Vyas
12	Sayed Mohammed Haider Jafri	Learning a multi-behavioural policy for robot navigation	2024	Dr. Rahul Kala
13	Pankaj Tyagi	Study of human olfaction towards developing an artificial nose	2024	Prof. Pritish Varadwaj Prof. U. S. Tiwary
14	Fahiem Altaf	Energy efficient protocols for cooperative intelligent transportation systems	2024	Dr. Soumyadev Maity
15	Sanchit	Static scheduling of DAG tasks on heterogeneous voltage frequency islands	2024	Dr. Jagpreet Singh Dr. Navjot Singh
16	Raghav	Secure mechanisms for cloud based data sharing	2024	Prof. Shekhar Verma Dr. S. Venkatesan
17	Chanchal Maurya	Privacy preserving authentication schemes with secure data sharing in iot applications	2024	Dr. Vijay Kumar Chaurasiya
18	Ankur Gogoi	Exploration of design approaches for performance aware and fault-tolerant network on chip architectures	2024	Dr. Bibhas Ghoshal
19	Ritesh Kumar	Traffic forecasting, path planning and route optimization for smart city environment	2024	Dr. Vijay Kumar Chaurasiya
20	Akash Kumar	Investigations of the battery-less wireless sensor network	2024	Dr. Jagpreet Singh Prof. Pavan Chakraborty



SI. No.	Researcher Name	Thesis Title	Year	Guide Name
21	Aniket Pal	Efficient and explainable encoder-decoder architectures for handwritten mathematical expression recognition	2024	Dr. K. P. Singh
22	Gaurav Kumar Yadav	Improving the quality of life for intellectually disabled elderly people using artificial intelligence techniques	2024	Prof. G. C. Nandi Prof. Domenec Puig
23	Snigdha Sen	Machine learning algorithms for large astronomical data	2024	Prof. Pavan Chakraborty Dr. K. P. Singh

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

SI. No.	Faculty Name	Role	Name of Seminar / Conference / Workshop / STP / FDP / etc.	Organizer	Duration
1	Dr. Shiv Ram Dubey	Co- coordinator	IEEE Computational Intelligence Society (CIS) Summer School on Computational Advances in Deep Learning and Applications (CADLA), 2023	Indian Institute of Information Technology Allahabad, India	Jul 17-21, 2023
2	Dr. Shiv Ram Dubey	Co- coordinator	6th One-Week Self-Sponsored Short Term Course on Advances in Deep Architectures for Signal, Image & Vision Applications (ADASIVA), 2023	Indian Institute of Information Technology Allahabad, India	Oct 30-Nov 03, 2023
3	Dr. Shiv Ram Dubey	Technical Program Chair	2nd International Conference on Computer Vision & Machine Intelligence (CVMI), 2023	Organizer: ABV- Indian Institute of Information Technology and Management Gwalior, India	Dec 10-11, 2023
4	Dr. Shiv Ram Dubey	Tutorial Chair	5th ACM Multimedia Asia Conference (MMAsia), 2023	ACM Asia, Tainan, Taiwan	Dec 06-08, 2023
5	Dr. Shiv Ram Dubey	Conference Convener	8th International Conference on Computer Vision & Image Processing (CVIP), 2023	Indian Institute of Technology Jammu, India	Nov 03-05, 2023
6	Dr. Shiv Ram Dubey	Area Chair	18th International Conference on Machine Vision Applications (MVA), 2023	Shizuoka, Japan	Jul 23-25, 2023
7	Dr. Shiv Ram Dubey	Organizer	IEEE Signal Processing Society (SPS) Distinguished Lecture by Prof. K. C. Santosh, University of South Dakota, USA	IEEE SPS Uttar Pradesh Section Chapter	Jul 21, 2023
8	Dr. Shiv Ram Dubey	Organizer	IEEE Computational Intelligence Society (CIS) Distinguished Lecture by Prof. Dipankar Dasgupta, University of Memphis, USA	IEEE CIS Uttar Pradesh Section Chapter	Jul 20, 2023

SI. No.	Faculty Name	Role	Name of Seminar / Conference / Workshop / STP / FDP / etc.	Organizer	Duration
9	Dr. Navjot Singh	Tutorial Chair	2nd International Conference on Computer Vision and Machine Intelligence (CVMI-2023)	ABV-Indian Institute of Information Technology and Management, Gwalior, India	Dec 10-11, 2023
10	Dr. Navjot Singh	Web and Media Committee Chair	6th IEEE International Workshop on Recent Advances in Photonics	Indian Institute of Information Technology Allahabad, India	Dec 07-09, 2023
11	Dr. Navjot Singh	Coordinator	6th One-Week Self-Sponsored Short Term Course on Advances in Deep Architectures for Signal, Image & Vision Applications (ADASIVA), 2023	Indian Institute of Information Technology Allahabad, India	Oct 30 – Nov 03, 2023
12	Dr. Abhishek Vaish	Co- Coordinator	Two days workshop on Cyber system security system	IIIT Allahabad	Aug 21-22, 2023
13	Dr. Anjali Gautam	Tutorial Chair	2nd International Conference on Computer Vision & Machine Intelligence (CVMI), 2023	Organizer: ABV- Indian Institute of Information Technology and Management Gwalior, India	Dec 10-11, 2023
14	Dr. Anjali Gautam	Registration Committee	6th IEEE International Workshop on Recent Advances in Photonics	Indian Institute of Information Technology Allahabad, India	Dec 07-09, 2023
15	Dr. Anjali Gautam	Co- coordinator	6th One-Week Self-Sponsored Short Term Course on Advances in Deep Architectures for Signal, Image & Vision Applications (ADASIVA), 2023	Indian Institute of Information Technology Allahabad, India	Oct 30 – Nov 03, 2023
16	Dr. S. Maity	Coordinator	Two days International Workshop on Cyber Physical Systems Security	Joinlty organized by IIIT Allahabad and Cardiff University, UK at IIIT Allahabad, UP, India	Aug 21-22, 2023
17	Dr. Triloki Pant	Coordinator	SERB-DST sponsored 7-Days Workshop on Satellite Image Analysis for Contemporary Applications	IIIT Allahabad	Jul 10-16, 2023
18	Dr. Nabajyoti Mazumdar	Co- coordinator	Two days International Workshop on Cyber Physical Systems Security	Joinlty organized by IIIT Allahabad and Cardiff University, UK at IIIT Allahabad, UP, India	Aug 21-22, 2023
19	Dr. Bibhas Ghoshal	Executive Committee Member	Workshop on Intelligent Computing and Systems at The Edge (ICE) co-hosted with the 37th International Conference on VLSI Design (VLSID)	VLSI Society of India	Jan 07, 2024



SI. No.	Faculty Name	Role	Name of Seminar / Conference / Workshop / STP / FDP / etc.	Organizer	Duration
20	Prof. G. C. Nandi	Program Chair person	Fourth International Workshop on Generative AI and Human Robot Interactions	CIR, IIIT Allahabad, with IHFC (TIH, IIT Delhi)	Feb 16-18, 2024
21	Dr. Manish Kumar, Dr. S Venkatesan, Dr. K P Singh	Coordinator	MLDA-2023 IIIT Allahabad Refresher Course on Maths University of		Jun 01-15, 2023
22	Prof. Anupam Agrawal	Resource Person (delivered lectures)	Refresher Course on Maths, Statistics and Computer Science (MD)	University of Lucknow, Lucknow	2023
23	Prof. Anupam Agrawal	Member of TPC (Reviewed papers and served as Chair of a Technical session)	16th IEEE International Conference on Computer and Automation Engineering (IEEE ICCAE 2024), Melbourne, Australia	IEEE, Melbourne, Australia	Mar 14-16, 2024
24	Prof. Anupam Agrawal	Member of the Technical Review Committee	Springer PReMI'23, ISI Kolkata	Indian Statistical Institute, Kolkata	Dec 12-15, 2023
25	Dr. Manish Kumar, Dr. S. Venkatesan, Dr. K. P. Singh	Coordinator	Workshop on Machine Learning & Data Analytics (MLDA)	NSC Lab, MLO Lab & DA Lab, IIIT Allahabad	Jun 01-15, 2023
26	Dr. Sonali Agarwal	Coordinator	ISRO Training Program on AI & ML	BDA Lab IIIT Allahabad	Jan 07 – Mar 09, 2024
27	Dr. Sonali Agarwal	Coordinator	GIAN Course on Learning from Data Streams	GIAN, IIT Kharagpur	Dec 18-22, 2023
28	Dr. Sonali Agarwal	Coordinator	Second workshop on Core Data Science (CDS-2023)	BDA Lab IIIT Allahabad	May 23-27, 2023
29	Dr. Sonali Agarwal	Organiser and Resource Person (delivered lectures)	A short course on Unboxing Advancements in Biomedical Image Processing	ICIP 2023, Kuala Lumpur, Malaysia	Oct 08-11, 2023

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

SI. No.	Faculty Name	Activity Details	Organizer	Duration
1	Dr. Shiv Ram Dubey	Eighth International Conference on Computer Vision & Image Processing (CVIP)	Indian Institute of Technology Jammu, India	Nov 03-05, 2023
2	Dr. Shiv Ram Dubey	Second International Conference on Computer Vision & Machine Intelligence (CVMI)	ABV – Indian Institute of Information Technology and Management, Gwalior, India	Dec 10-11, 2023

SI. No.	Faculty Name	Activity Details	Organizer	Duration
3	Dr. Navjot Singh	Second International Conference on Computer Vision & Machine Intelligence (CVMI)	ABV-Indian Institute of Information Technology and Management, Gwalior, India	Dec 10-11, 2023
4	Dr. Abhishek Vaish	5-Days STP Security in AI Intelligence: Strategies & Best Practice	NIT Jalander	Jun 14-18, 2023
5	Dimplomacy		UNITAR	Apr 10-Jun 20, 2023
6	Dr. Anjali Gautam	Second International Conference on Computer Vision & Machine Intelligence (CVMI)	ABV- ndian Institute of Information Technology and Management, Gwalior, India	Dec 10-11, 2023
7	Dr. Anjali Gautam	IEEE Region 10 Conference (TENCON)	Online [Singapore]	Oct 31-Nov 03, 2023
8	Prof Anupam Agrawal	15th IEEE ICCAE-2023 conference	Sydney, Australia	2023
9	Dr. Anshu S Anand	HPC Master Trainer Program	CDAC, AICTE	Feb 5-16, 2024
10	Prof. Vrijendra Singh	Prof. Vrijendra Singh Second International Conference on Computer Vision & Machine Intelligence (CVMI) ABV-Indian Institute of Information Technology and Management, Gwalior, India		Dec 10-11, 2023
11	Dr. Mohammed Javed Visiting Faculty Researcher Takushoku University, Tokyo, Japan		Jun 01-16, 2023	
12	Dr. Mohammed Javed 17th ICDAR 2023 San Jose, USA		Aug 21-26, 2023	
13	Dr. Mohammed Javed	Dr. Mohammed Javed Visitor and Presenter, Adobe World San Jose, USA Headquarters		Aug 2023
14	Dr. Mohammed Javed	Visitor, Google Headquarters, Mountain View	California, USA	Aug 2023
15	Dr. Mohammed Javed	Visitor, Stanford University campus	California, USA	Aug 2023
16	Dr. Mohammed Javed	Visitor and Presenter, Ritsumiekan University, Kyoto	Kyoto, Japan	Jun 2023
17	Dr. Bibhas Ghoshal	International Conference on Compilers, Architectures, and Synthesis for Embedded Systems (CASES)	Embedded System Week Organizing and Steering Comiittee, Hamburg Germany	Sep 29-0ct 04, 2023
18	Dr. Krishna Pratap Singh	12th Socpros-2023	IIT Roorkee	Aug 11-13, 2023
19	Dr. Krishna Pratap Singh	Krishna Pratap Invited Talk- KARYASHALA "A Practical MNNIT Allahabad		March 15-22, 2024
20	Dr. Krishna Pratap Singh			Oct 30 – Nov 03, 2023
21	Prof. G. C. Nandi	40th ICML (International Conference on Machine Learning)	ICML/Hawai Convention Center, Honolulu, HI 96815 USA.	Jul 23-29, 2023
22	Prof. G. C. Nandi	37th Annual Conference, NeurIPS-2023	New Orleans Ernest N. Morial Convention Center, USA	Dec 10-16, 2023



SI. No.	Faculty Name	Activity Details	Organizer	Duration
23	Prof. G. C. Nandi	NSF/TIH PI Meeting and Workshop for Indo-US Research Collaboration. (https://www.linkedin.com/feed/update/ urn:li:activity:7067405700297072640/)	Baltimore, Maryland, USA.	May 22-23, 2023
24	Prof. G. C. Nandi	Effective Human-Robot-Interactions within the LLM Paradigm (https://www.linkedin.com/feed/update/urn:li:activity:7111864967863177217/)	Daniel Felix Ritchie School of Engineering & Computer Science at the University of Denver, USA	Sep 21, 2023
25	Prof. Anupam Agrawal	9th IEEE International Conference on Smart Computing and Communication (IEEE ICSCC 2023)	Kochi, India	Aug 17-19, 2023
26	Prof Anupam Agrawal	4th International Conference on Frontiers in Computing and Systems (Springer COMSYS-2023)	IIT Mandi	Oct 16-17, 2023
27	Dr. Manish Kumar	Expert Lectures delivered in Training Program at ISTRAC ISRO	Bengalore, India	Jan 22-27, 2024
28	Dr. Sonali Agarwal	2023 IEEE International Conference on Image Processing	Kulala Lumpur, Malaysia	Oct 08-11, 2023
29	Dr. Sonali Agarwal	45th International Conference on Software Engineering (ICSE 2023) Melbourn, Australia	Melbourn Australia	May 14-20, 2023
30	Dr. Sonali Agarwal	IEEE VIS 2023	Melbourn Australia	Oct 23, 2023
31	Dr. Sonali Agarwal	Transnational TEAL2.0 training of trainers, TEAL 2.0	Bologna, Italy	Jul 17-19, 2023
32	Dr. Sonali Agarwal	Fourth Collaboration and Joint Development Workshop TEAL 2.0	AIT, Bangkok, Thailand	Apr 03, 2023

Editorial Boards of Journals

SI. No.	Faculty Name	Role (Editor, Reviewer, Member, Etc.)	Journal Name	Publisher
1	Dr. Bibhas Ghoshal	Reviewer (for four articles)	Journal of The Institution of Engineers (India): Series B	Springer

Honours and Awards

SI. No.	Faculty Name	Award Name	Awarded by	Year
1	Dr. Shiv Ram Dubey	IEEE SPS UP Chapter Early Career Teacher Award for Year 2023	IEEE Signal Processing Society Uttar Pradesh Chapter	2023
2	Prof Anupam Agrawal	Member of the Jury of the 14th Aegis Graham Bell Awards (AGBA)	Aegis Graham Bell Awards (Supported by Ministry of Electronics and Information Technology of the Government of India, Skill India, and the National Informatics Centre)	Sep 20, 2023

SI. No.	Faculty Name	Award Name	Awarded by	Year
3	Dr. Anshu S Anand	Best Paper award in IQ- CCHESS 2023	IIIT Kottayam	Sep 15-16, 2023
4	Dr. Krishna Pratap Singh	Member of the Jury of the 13th Aegis Graham Bell Awards (AGBA)- Artificial Intelligence Categories	Ministry of Electronics and Information Technology, Government of India	Jan 2023
5	Prof. G. C. Nandi	Awarded top position to our Team -UniTeam by OVMM Challenge	NeurIPS 2023 Home Robot challenge Organizer, New Orleans, USA	Dec 16, 2023
6	Dr. Sonali Agarwal	ACM SIGSOFT CAPS Award	ACM	2023
7	Dr. Bibhas Ghoshal	Best paper Award Jury Member, 37th International Conference on VLSI Design & the 23rd International Conference on Embedded Systems (VLSID 2024)	-	2024

Other Activities

SI. No.	Faculty Name	Activity Details	Year
1	Prof. Anupam Agrawal	Software Copyright granted - "IIITA Alumni Connect: A community Platform to Bridge the Gap between Alumni, Students and Faculty", Registration no. SW-17059/2023	Aug 08, 2023
2	Prof. Anupam Agrawal	Chaired a technical session at 15th IEEE International Conference on Computer and Automation Engineering (IEEE ICCAE 2023), Sydney, Australia.	2023
3	Prof. Vrijendra Singh	Conducted two full days course on recent trends and Techniques on AI, Time Series Analysis and Real Life Applications, Ministry of MSME sponsored five-days Advanced Entrepreneurial Skill Development Program (ESDP), 2023-2024, on Artificial Intelligence (January 15th–19th, 2024) at IIIT Lucknow, Jan 17-18, 2024.	2024
4	Dr. Bibhas Ghoshal	PhD Thesis Reviewer, IIIT Bangalore	-
5	Dr. Bibhas Ghoshal	Delivered Talk on Embedded Systems Security at Indian Association of Cultivation of Science Kolkata	-
6	Prof. G. C. Nandi	Delivered an invited talk on "Safe Human-aware Robot Navigation in Warehouses" Baltimore, Maryland, USA. (https://www.linkedin.com/feed/update/urn:li:activity:7067405700297072640/)	May 22-23, 2023
7	Prof. G. C. Nandi	Delivered an invited talk on Effective Human-Robot-Interactions within the LLM Paradigm, CSE Dept, University of Denver, USA	Sept 21, 2023
8	Prof. G. C. Nandi	Delivered an invited talk on Generative AI and its application in Robotics at IIT Bombay, Mumbai	Jan 17, 2024
9	Prof. G. C. Nandi	Delivered an invited talk on Generative AI and its application in Robotics at DIAT, Pune	Feb 19, 2024



SI. No.	Faculty Name	Activity Details	Year
10	Prof. G. C. Nandi	Delivered a Keynote lecture on Generative AI and its applications in Human Robot Interactions, IV th International Workshop on Generative AI and Human Robot Interactions	Feb 16-18, 2024
11	Prof. G. C. Nandi	Took part in project demonstration during NSF/TIH PI Meeting and Workshop for Indo-US Research Collaboration during May 22-23, 2023, Baltimore, Maryland, USA. (https://www.linkedin.com/feed/update/urn:li:activity:7067405700297072640/)	May 22-23, 2023
12	Prof. G. C. Nandi	Took active part in the award presentation ceremony of Open Vocabulary Mobile Manipulation, NeurIPS 2023, New Orleans, Louisiana, USA	Dec 15, 2023
13	Prof. G. C. Nandi	Took part in Poster presentation and discussions in the NeurIPS -2023 workshop on Foundation Model on Decision Making (FMDM), New Orleans, Louisiana, USA	Dec 16, 2023
14	Prof. G. C. Nandi	Conducted two Brain Storming Sessions - On Generative AI and its impact on society and Generative AI's impact on Human Robot Interactions, during IV th International workshop on Generative AI and Human Robot interactions organized by CIR, IIIT Allahabad	Feb 16-17, 2024
15	Dr. S. Venkatesan	Delivered talk on "Blockchain: Cryptocurrencies Bitcoin, Public Ledgers and Smart Contracts" in the workshop organized by Blockchain Technology and Its Applications by NIT Trichy	Aug 23, 2023
16	Dr. S. Venkatesan	Delivered talk on "Introduction: Blockchain and distributed ledger technology, Bitcoin", Capacity Building Programme on Blockchain Technology and Applications by Asi@Connect, IIITDM Jabalpur	Jun 15, 2023
17	Dr. S. Venkatesan	Delivered Talk on "Transactions, Digital signature, and consensus mechanism- Proof of Work" Capacity Building Programme on Blockchain Technology and Applications by Asi@Connect, IIITDM Jabalpur	Jun 15, 2023
18	Dr. Sonali Agarwal	Delivered Tutorial on "Mining Useful Information Via Complex Network Visualization" in IEEE VIS 2023, Melbourne, Australia	Oct 23, 2023

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 VLSI Design and Technology, MEMS and Sensors, Embedded Systems, Wireless and Optical Communication, Cognitive Radios, MIMO Technologies, RF & Microwave Engineering, and Instrumentation & Control. 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, 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, 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

Prof. Neetesh Purohit

Designation: Professor

Date of Joining: 05.09.2006

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

Signal Processing.

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.

Dr. Rajat Kumar Singh

Memory Design.

4

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,

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

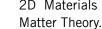
Research Interests: Computational Nano- electronics, Electronic Structure Theory, Density Functional Theory, 2D Materials & Devices, Condensed



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.







Dr. Pooja Mishra

7

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, Electronic Circuits, Networked Control Systems, Practical Applications of Control System

Theory

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



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 Multirate Signal Processing, Image Processing and Computer Vision, Pattern Recognition and Artificial Intelligence.



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.



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

SI. 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. KavindraKandpal Dr. Prasanna Misra
6	Re-configurable Computing Systems	-	Core (M.Tech.)	Dr. Prasanna Misra

SI. No.	Course Title	Course No.	Course Program	Faculty Name
7	Testing and Verification Lab	-	Lab	Dr. Sunny Sharma
8	Radar and Satellite	-	Lab	Dr. Rajat Singh
	Communication Lab			

Doctoral Theses Guided

SI. No.	Researcher Name	Thesis Title		Guide Name
1	Suraj Kumar Lalwani	Investigation on Low Temperature Gas Sensors for Industrial and Medical Applications	2024	Dr. Sunny
2	Sandeep Tripathi	Novel Non-Volatile Static Random-Access Memory NVSRAM) Bit Cells for In-Memory-Computing Architectures		Dr. Prasanna Kumar Misra Dr. Sudhanshu Choudhary
3	K. Anjali Rao	Sample Rate Converter: Design and Application		Prof. Neetesh Purohit
4	Pratiksha Shukla	Energy Efficient and Reliable Hybrid MTJ / CMOS Magnetic Logic Circuit		Dr. Prasanna Kumar Misra Dr. Pramod Kumar
5	Priya Sharma			Dr. Ashutosh Kumar Singh
6	Surendra Kumar	Study of Electrical, Electronic and Optical Properties of 2D Molybdenum Trioxides (Moo3) and Di-Chalcogenides Mox2(X = S and Se)	2024	Dr. Sanjai Singh and Dr. Pramod Kumar

Invited Talk / Lecture Delivered in Other Institutions

SI. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
1	Dr. Himanshu Maurya	Active Microwave Remote Sensing	IIT Patna	20/03/2024	20/03/2024
2	Dr. Himanshu Maurya	Information Extraction from the PolSAR Images	NCET Bangalore	20/10/2023	20/10/2023
3	Dr. Himanshu Maurya	Synthetic Aperture Radar (SAR): Basics and Advancements	IIIT Allahabad	11/07/2023	11/07/2023
4	Dr. Radhika Gour	Device-to-Device Technology for 5G and 6G Wireless Communication	GLA Mathura	08/06/2023	08/06/2023
5	Dr. Radhika Gour	V2X Communication for Next Generation Wireless Networks	GLA Mathura	08/06/2023	08/06/2023
6	Dr. Suneel Yadav	Ambient Backscatter Communications for Future Wireless Networks	IIIT Jabalpur	16/06/2024	16/06/2024
7	Dr. Suneel Yadav	Performance Analysis of Ambient Backscatter Communications: A Mathematical Modelling and Simulation Study	IIIT Jabalpur	16/06/2024	16/06/2024
8	Dr. Sanjai Singh	Theoretical Investigations of Group- IV Janus Monolayers: Prospective Materials for Green Energy Solutions	EMRS 2023 Fall Meeting, Warsaw University of Technology, Poland	18/09/2023	21/09/2023



SI. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
9	Dr. Sanjai Singh	Electronics Devices: Fundamental, Importance and Its Applications	UCR Allahabad	14/12/2023	14/12/2023
10	Dr. Rekha Verma	Electron-phonon Coupling and Related Transport Properties in Two- dimensional Semiconductors	Indo-German Workshop on Thermoelectric Devices for Emerging Applications	26/02/2024	28/02/2024
11	Dr. Kavindra Kandpal	Navigating the Path to VLSI Industry: Motivation and Challenges from Students' Perspective	GEHU Bhimtal	23/04/2024	-
12	Dr. Sunny Sharma	Gas Sensors for Industrial and Biomedical Applications: From Lab to Daily Life.	MNNIT Allahabad	04/06/2024	05/06/2024
13	Dr. Sunny Sharma	Reconfigurable THz Metamaterials: Present and Future	EMRS 2023 Spring Meeting, France	29/05/2023	02/06/2023
14	Dr. Prasanna Misra	Hardware Design Techniques	Vellore Institute of Technology	02/02/2024	02/02/2024

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

SI. No.	Faculty Name	Role	Name of Seminar / Conference / Workshop / STP / FDP / etc.	Organizer	Duration
1	Dr. Prasanna Kumar Misra	Organizer	RFCMOS Integrated Circuits for Transceivers and VLSI Systems	IIIT Allahabad	February 2-4, 2024
2			Intellectual Property Rights and Innovation	IIIT Allahabad	December 2, 2023
3	Dr. Boddepalli SanthiBhushan	Sponsorship Chair	Sixth IEEE International Workshop on Recent Advances in Photonics	IIIT Allahabad	December 7-9, 2023
4	Dr. Boddepalli SanthiBhushan	Coordinator	6th Inter IIIT Sports Meet	IIIT Allahabad	March 9-12, 2023
5	Prof. Manish Goswami, Dr. Prasanna Misra, & Dr. Kavindra Kandpal	Coordinator	Summer Training Program on VLSI design	IIIT Allahabad	June 19 -July 15, 2023

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

SI. No.	Faculty Name	Activity Details	Organizer	Duration
1	Dr. Boddepalli Santhi Bhushan	2nd International Conference on Advances in Nanomaterials and Devices for Energy and Environment (CANDEE-2023)	ABVIIIT Gwalior	December 20- 21, 2023
2	Dr. Rajat Kumar Singh	ICICT 2024: 9 th International Congress on Information and Communication Technology	London, UK. (Springer)	February 19- 22, 2024

SI. No.	Faculty Name	Activity Details	Organizer	Duration
3	Prof. Anupam Agrawal	9th IEEE International Conference on Smart Computing and Communication (IEEE ICSCC 2023)	Kochi, India	August 17-19, 2023
4	Dr. Radhika Gour	Expert Lectures delivered in Faculty Development Program on "Next Generation Technologies of Wireless Communications (NGTWC-2023) "	GLA University Mathura, UP, India	June 5-10, 2023
5	Dr. Radhika Gour	IEEE Conference on Information and Communication Technology (IEEE CICT), 2023.	PDPM-IIITDM Jabalpur, MP, India	December 15- 17, 2023
6	Dr. Radhika Gour	IEEE International Black Sea Conference on Communications and Networking (IEEE BlackSeaCom), 2023.	Istanbul, Turkey	July 4-7, 2023

Other Activities

SI. No.	Faculty Name	Activity Details	Duration
1	Dr. Himanshu Maurya	Delivered a talk on Information Extraction from the PolSAR Images at UTCA conference, NCET Bangalore	October 20, 2023
2	Dr. Himanshu Maurya	Delivered a talk on Synthetic Aperture Radar (SAR): Basics and Advancements at Workshop on Satellite Image Analysis, IIIT Allahabad	July 11, 2023
3	Dr. Himanshu Maurya	Delivered a talk on Active Microwave Remote Sensing at IIT Patna	March 20, 2024
4	Dr. Radhika Gour	Delivered a talk on Device-to-Device Technology for 5G and 6G Wireless Communication at GLA, Mathura	June 8, 2023
5	Dr. Radhika Gour	Delivered a talk on V2X Communication for Next Generation Wireless Networks at GLA, Mathura	June 8, 2023
6	Dr. Radhika Gour	Panelist in Panel Discussion on "Semantic Communication: The Next Frontier" in IEEE Conference on Information and Communication Technology (IEEE CICT), 2023 at PDPM-IIITDM Jabalpur	December 15- 17, 2023

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 separtment 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 Bio-Informatics 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 provides opportunities for pursuing advanced research in frontier areas of basic and applied sciences, engineering, and technology to motivated and talented students.

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, Optimization, Digital Signal and Image Processing, Automated Diagnostics, Computational Structural Biology

Courses

UG

•	Linear Algebra	•	Discrete Mathematics
•	Engineering Physics	•	Fundamental of materials informatics: tools and application



Infectious Disease Modelling	Linear Algebra (Summer Sem. 2023)
Probability and Statistics (July -Dec 2023)	Probability and Statistics (Summer Sem. 2023)
Probability and Statistics (Jan-June 2024)	Probability and Statistics
Univariate and Multivariate Calculus (Jan-June 2023)	Discrete Mathematics (Jan-June 2024)
Linear Algebra	Univariate and Multivariate Calculus (Jan-June 2023)
Probability and Statistics (July-Dec 2023)	Probability and Statistics (Summer Semester- 2023)
Linear Algebra (Summer Semester- 2023)	

PG

•	Materials Informatics	•	M.Tech. Bioinformatics
•	M.Tech. Biomedical Engineering		

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)		

Lab Facilities

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

Faculty Members



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. Pritish Kumar Varadwaj

Designation: Professor

Date of Joining: 11.07.2004

Research Interests: Big Data Analysis, Machine Learning, Genomics, Structural Biology.



Dr. Ashutosh Mishra

Designation: Associate Professor Date of Joining: 29.11.2012

Research Interests: Bioelectrics,

Biomechanics, Machine Learning.



Dr. Pramod Kumar

4

Designation: Associate Professor Date of Joining: 03.09.2012 Research Interests: Experimental

condensed matter.

■ Dr

Dr. Akhilesh Tiwari

Designation: Associate Professor Date of Joining: 29.08.2012

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

Simulation.



Dr. Nidhi Mishra

6

Designation: Associate Professor Date of Joining: 19.10.2012

Research Interests: Synthetic Medicinal Chemistry, Natural

Product Chemistry.

Dr. Amit Prabhakar

Designation: Associate Professor Date of Joining: 30.10.2012

Research Interests: Bio-MEMS,

Microfluidics, Biosensors.

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.

12

11

Dr. B. S. Sanjeev

Designation: Assistant Professor Date of Joining: 31.05.2005

Research Interests: Structural Biology,

Parallel Computing, MD Simulations.

00

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.



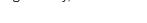
16

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: Surviva 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 Course Developed

SI. 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
6	Microfluidics: Physics and Application		Biomedical Engineering	Dr. Amit Prabhakar
7	Bio-Mechanics		Biomedical Engineering	Dr. Amit Prabhakar
8	Human Anatomy & Physiology		Biomedical Engineering	Dr. Amit Prabhakar
9	Medical Imaging		Biomedical Engineering	Dr. Amit Prabhakar
10	Bio-MEMS		Biomedical Engineering	Dr. Amit Prabhakar
11	Biosensors and Transducers		Biomedical Engineering	Dr. Amit Prabhakar
12	Applied Mechanics		Biomedical Engineering	Dr. Amit Prabhakar
13	Materials Informatics		Elective course	Dr. Upendra Kumar

Doctoral Theses Guided

SI. 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

SI. No.	Researcher Name	Thesis Title	Year	Guide Name
3	Amar Dhwaj	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. NeolamarckiaCadamba, 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 (E-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. AmareshKuamr Sahoo and Prof. PritishVaradwaj

Invited Talk / Lecture Delivered in Other Institutions

SI. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
1	Dr. Saurabh Verma	"Fractals and Fractal Dimensions" and Hausdorff dimension and Separation conditions"	Department of Mathematics, IIT Madras	26/06/2023	27/06/2023
2	Dr. Saurabh Verma	Two lectures on "Progression and Series" at "Instructional School for Mathematical Sciences"	IIT Patna	16/06/2023	7/06/2023
3	Dr. Saurabh Verma	An Introduction to Fractals and Fractal Dimensions	Punjab Engineering College, Chandigarh	24/05/2023	24/05/2023
4	Dr. Ratan K.Saha	Biomedical photo acoustics: modelling to healthcare applications	PHASE 23, IIT Gandhinagar	0/03/2023	1/03/2023
5	Dr. Ratan K.Saha	Estimation of opto acoustic spectra for normal and pathological red blood cells using a modified Green's function approach	Opto-Acoustic Methods and Applications in Biophotonics, ECBO, Munich, Germany	25/05/2023	26/06/2023
6	Dr. Ratan K.Saha	Biomedical Photo acoustic research @ IIITA	Department of Medical Physics and Biomedical Engineering, UCL	14/07/2023	14/07/2023
7	Dr. Ratan K.Saha	Biomedical Photo acoustic research @ IIITA	Department of Medical Physics and Biomedical Engineering, UCL	25/07/2023	5/07/2023



SI. No.	Faculty Name	Seminar Title	Organizer	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)
8	Dr. Ratan K.Saha	A DeepDive into Biomedical Photoacoustics	Aix-Marseille University, France	24/05/2024	4/05/2024
9	Dr. Ratan K. Saha	Solving exciting problems in biomedical photo acoustics	Workship on Photonics and Imaging Devices, Indian Institute of Science Education and Research Mohali	09/07/2024	9/07/2024
10	Dr. Srijit Bhattacharjee	A detection mechanism for black hole memory eff.	ICGC; IAGRG, India	06/12/2023	09/12/2023
11	Dr. Srijit Bhattacharjee	Asymptotic Symmetries and Memory Effect	CSGC, IIT Madras	28/03/2024	28/03/2024
12	Dr Anand Kumar Tiwari	Semi Equivaler and 2-semi- equivelar maps	National Yokohama University, Japan	07/11/2023	10/11/2023
13	Dr. Upendra Kumar	Faculty Development Program (FDP) on & Development Program (FDP) on & Development Program and Instrumentation Techniques for Translational Research.	Invertis University, Bareilly	15/07/2024	20/07/2024
14	Dr. Upendra Kumar	1 st AIP Hands-On Training on & DFT & Code Mastery, & Code Mas	Association of Indian Physicists (AIP) (Subdivision of J S Foundation) (Reg.Under MCA, Govt. Of India)	11/05/2024	12/05/2024
15	Dr. Upendra Kumar	International Conference on Recent Advances in Functional Materials (RAFM-2024)	Atma Ram Sanatan Dharma College, University of Delhi, New Delhi-11001	14/02/2024	16/02/2024
16	Dr. Upendra Kumar	International Conference on Advancement in Functional Materials (ICAFM) 2024	Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research Veer Bahadur Singh Purvanchal University, Jaunpur	08/02/2024	10/02/2024
17	Dr. Abdullah Bin Abu Baker	International conference on mathematical analysis and its applications	Department of Mathematics, Jamia Millia Islamia	19/01/2024	21/01/2024
18	Dr. Abdullah Bin Abu Baker	Kakutani's Automorphism Theorem for Vector-Valued Bounded Holomorphic Functions	National Chung Hsing University, Taiwan	13/07/23	13/07/2023
19	Dr. Savitri Joshi	Five Days Virtual FDP on Data Analytics Tools for Real World Problems	Division of Mathematics School of Advanced Sciences, VIT Chennai	01/05/2023	05/05/2023
20	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
21	Seema Kushwaha	Groups, Rings and Continued Fractions	IIIT Allahabad	05/04/2024	07/04/2024

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

SI. No.	Faculty Name	Role	Name of Seminar/Conference/ Workshop/STP/FDP/etc.	Organizer	Duration
1	Dr. Srijit Bhattacharjee	Co-organizer	Testing Aspects of General Relativity II	IIT Gandhinagar, Univ. of Lethbridge, Canada and IIIT Allahabad	Apr 11-13, 2023
2	Dr. Srijit Bhattacharjee	Convener	Workshop on Naumerical and Analytical Relativity 2024	IIIT Allahabad	Mar 20-22, 2024
3	Dr. Savitri Joshi	Coordinator	An Online Workshop on Statistics for Machine Learning with R (SMLR 2023)	Organized by Department of Applied Sciences with support of Bio Informatics Centre IIITA	Jul 3-6, 2023
4	Dr. Savitri Joshi	Co-coordinator	An online workshop on Fundamentals of Mathematical Biology (FMB 2023)	Organized by Department of Applied Sciences with support of Bio Informatics Centre IIITA	May 11-12, 2023
5	Dr. Seema Kushwaha	Coordinator	An online workshop on Fundamentals of Mathematical Biology (FMB 2023)	Organized by Department of Applied Sciences with support of Bio Informatics Centre IIITA	May 11-12, 2023
6	Prof. Tapobrata Lahiri	Chief Vigilance Officer (Coordinator)	Vigilance Awareness Week	CVO, Office, IIIT-Allahabad	Oct 30 - Nov 5, 2024
7	Prof. Tapobrata Lahiri	Plenary Speaker	CFAF, 2024	Department of Applied Sciences, IIITA	Feb 16-18, 2024
8	Dr Amit Prabhakar and Dr Nidhi Mishra	Coordinator	Organized a IPR Workshop titled: "FROM IDEAS TO ASSETS: IPR STRATEGIES FOR SUCCESS -A ONE DAY WORKSHOP", at IIIT Allahabad on 24th February 2024.	IIIT Allahabad	Feb 24, 2024

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

SI. No.	Faculty Name	Activity Details	Organizer	Duration
1	Dr. Srijit Bhattacharjee	10th International Conference on Gravitation & Cosmology, 6-9 December 2023 at IIT Guwahati, India.	IIT Guwahati , IAGRG India	6-9 December 2023
2	Dr. Savitri Joshi	FDP Introduction to Mathematical Biology: From Theory to Applications	School of Advanced Sciences of VIT Vellore	07-09 June 2023
3	Dr. Savitri Joshi	An Online Workshop on Statistics for Machine Learning with R (SMLR 2023)	Department of Applied Sciences with support of Bio Informatics Centre IIITA	03-06 July 2023
4	Dr. Savitri Joshi	Five Days Virtual FDP on Data Analytics Tools for Real World Problems	Division of Mathematics, School of Advanced Sciences, VIT Chennai	01-05 May 2023



SI. No.	Faculty Name	Activity Details	Organizer	Duration
5	Dr. Ratan K saha	European Conferences on Biomedical Optics	SPIE+OPTICA, Munich, Germany	25-29/6/2023
6	Dr. Ratan K saha	IEEE International Ultrasonics Symposium	IEEE UFFC Society, Montreal, Canada	3-8/9/2023
7	Dr. Ratan K saha	IEEE South Asian Ultrasonics Symposium	IEEE UFFC Society, IIT Gandhinagar,	27-29/3/2024
8	Dr. Ratan K saha	National Laser Symposium	RRCAT, DAE, Indore	29/1/2024- 1/2/2024
9	Dr. Abdullah Bin Abu Baker	Visitor, National Chung Hsing University, Taiwan	National Chung Hsing University, Taiwan	July 01-28, 2023
10	Dr. Abdullah Bin Abu Baker	Invited Talk in International Conference on Analysis and its Applications (ICAA-2024)	Jamia Millia Islamia	January 19-21, 2024

Other Activities

SI. No.	Faculty Name	Activity Details	Duration
1	Dr. Saurabh Verma	Delivered a talk "An Introduction to Fractals and Fractal Dimensions", at Punjab Engineering College, Chandigarh, India.	May 24, 2023
2	Dr. Saurabh Verma	Delivered two talks on "Fractal Geometry" at Department of Mathematics, IIT Madras	June 26- June 27, 2023
3	Dr. Saurabh Verma	Delivered two lectures at the Instructional School for Mathematical Sciences organized at IIT Patna J	
4	Dr. Savitri Joshi	Reviewed an article for Asian Journal of Probability and Statistics	Jan 2024
5	Prof. Tapobrata Lahiri	Patent granted on Jul 19, 2023, "Identification of specific class of quasi- periodic signals from the phase-space fractal dimension of its different order-features" with inventors, Tapobrata Lahiri, Upendra Kumar, Arunava Das Roy, Hrishikesh Mishra, Subrata sarkar (Grant No. 439560)	
6	Prof. Tapobrata Lahiri	International outreach activities: Helped the M.Tech. in Bioinformatics by Research student, Rajkrishna Mondal to visit Department of Medicine, University of Chicago, Illinois under on-going collaborative activities.	
7	Dr. Ratan K saha	Reviewed project proposals of DBT	
8	Dr. Srijit Bhattacharjee	Visiting Associate of IUCAA, Pune	2023- 2026
9	Dr. Srijit Bhattacharjee	Visited and delivered a Talk at Centre for String, Gravity and Cosmology, IIT Madras	March 28 2024

Fellowships of academic and professional societies

SI. 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

SI. No.	Faculty Name	Details of Fellowship
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)
9	Dr. Seema Kushwaha	The Indian Mathematical Society (IMS)

Editorial Boards of Journals

SI. 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	ChemPhotoChem	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, IndagationesMathematicae, Numerical algorithms, Set-valued analysis, Fractals, Soil Dynamics and Earthquake Engineering, The Journal of Analysis, Mathematics, Fractal and Fractional, Indian Journal of Pure and Applied Mathematics.	AMS, Elsvier, Springer, World Scientific, MDPI



SI. No.	Faculty Name	Role (Editor, Reviewer, Member, Etc.)	Journal Name	Publisher
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		Reviewer	Additive Manufacturing	
32	Dr. Srijit Bhattacharjee	Reviewer	Journal of High Energy Physics, General Relativity & Description & Descr	Springe Springer IOP
33	Dr. Upendra Kumar	Academic Editor	Advances in Condensed Matter Physics	Wiley
34		Review Editor	Frontiers in Electronic Materials	Frontiers
35	Dr. Upendra Kumar	Advisory Topical Panel	Materials	MDPI
36	Dr. Amit Prabhakar	Reviewer	iScience	
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
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Ph.D. (MS) in the following Subjects

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

Lab Facilities

•	MBA – I Sem Lab	Research Scholar Lab (Including both SRF & JRF)	
•	MBA – III Sem Lab	divided)	
•	Communication Skill Lab	1	

Faculty Members

Dr. Vijaishri Tewari

Designation: Professor

Date of Joining: 24.05.2005

Research Interests: Work Culture, leadership, Group Dynamics, Performance Management,

Motivation, Strategic HR.

Dr. Ranjit Singh

Designation: Professor

Date of Joining: 02.05.2013

Research Interests: Behavioural Security Analysis and Finance, Protfolio Management, Islamic

Finance.

Dr. Madhvendra Misra Designation: Professor

Date of Joining: 24.05.2005

Research Interests: Marketing, Strategy & Technology Forecasting, Management & Consultancy, Information Strategy &

Digital Marketing.

Dr. Anurika Vaish

Designation: Associate Professor Date of Joining: 24.05.2005

Research Interests: Accounting, economics and financial

mitigation.

5

Dr. Shailendra Kumar

Designation: Associate Professor

Date of Joining: 01.01.2013

Research Interests: Corporate Finance, Investments, Capital Market.



6

Dr. Pragya Singh

Designation: Assistant Professor Date of Joining: 13.09.2012

Interests: Research Marketing, Entrepreneurship, & Investment

Management.



7

Dr. Vineet Tiwari

Designation: Assistant Professor Date of Joining: 11.07.2016

Research Interests: Sustainability and Climate Change Water, Energy and Environment Modeling and Policy Analysis Operations and Supply Chain and Logistics Management.



8 Dr. Utkarsh Goel

Designation: Assistant Professor Date of Joining: 29.06.2016

Research Interests: Corporate Finance, IT& BFSI, Efficiency

Analysis, Investments.

9

Dr. Saurabh Mishra

Designation: Assistant Professor Date of Joining: 03.07.2010

Research Interests: Conversion Rate Optimization, ORM, E-business, E-marketing, Fuzzy Optimization.



10

Dr. Shashi Kant Rai

Designation: Assistant Professor Date of Joining: 04.07.2010

Research Interests: Information systems Identity, Privacy and Trust Management Data and Policy Management, perishable food product supply chain coordination.



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

SI. No.	Course Title	Course No.	Course Program	Faculty Name
1	NEP Compliant MBA Curriculum		PG	All MBA Faculty Members
2	Fundamentals of Entrepreneurship & its Elective Basket	MMDM-1	B.Tech/MBA	Dr. Pragya Singh
3	Marketing Research		PG	Dr. Pragya Singh
4	Courses for HSMC Basket		UG	Dr. Pragya Singh
5	Digital Marketing		PG	Dr. Saurabh Mishra

Doctoral Theses Guided

SI. No.	Researcher Name	Thesis Title	Year	Guide Name
1	Kajol	Digital Financial Transactions in Rural Areas: Adoption, Awareness, and Risk Perception	2024	Prof. Ranjit Singh
2	Jyoti Prakash Das	Effects of Corporate Hedging Practice on Firm's Value and Risk: An Empirical Study on Indian Multinational Corporations	2024	Dr. Shailendra Kumar



SI. No.	Researcher Name	Thesis Title	Year	Guide Name
3	Priya Shah	Impact of green human resource management on organizational performance mediating with green innovation and employees commitments	2024	Dr. Shashi Kant Rai
4	Sarthak Sengupta	Impact of Social Media on Higher Education Institutions in India	2024	Dr. AnurikaVaish
5	Shardul Shankar	Impact of Emotional Intelligence and Leader-Member Exchange on Workplace Outcomes	2024	Prof. Vijaishri Tewari
6	Suman Agarwal	Experience, Service Quality and Accountability in Diagnostic Centre: The Customers' Perspective	2024	Prof. Ranjit Singh

Invited Talk / Lecture Delivered in Other Institutions

SI. No.	Faculty Name	Seminar Title	Organizer	Level	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)	Role
1	Dr. Anurika Vaish	Master's Talk with Future Manager's	Shri Ram Institute of Management, Jabalpur		28/04/2023	28/04/2023	Lecturer
2	Dr. Pragya Singh	Emotional Transformational Intelligence	A&M University– Kingsville, Texas. (USA)	Senior & Executive Level	27/05/2023	27/05/2023	Invited Speaker
3	Prof. Ranjit Singh	Delivered a lecture on the theme 'Public Finance'	Regional Training Institute, Prayagraj	-	22/05/2023	22/05/2023	Lecturer
4	Dr. Shailendra Kumar	Delivered an Invited Expert Lecture on the topic "Philosophical Worldviews and Research Designs & Methods" under "Workshop for Doctoral Scholar during Residency"	Fortune Institute of International Business (FIIB), New Delhi	-	16/03/2024	16/03/2024	Expert Lecture
5	Prof. Madhvendra Misra	Expert at Management Development Programme (MDP) on Operations Management" for the benefits of the prospective/Existing Entrepreneurs	United College of Engineering and Research (UCER), Naini, Prayagraj	-	03/01/2024	08/01/2024	Expert
6	Prof. Madhvendra Misra	Guest Speaker at Faculty Development Program (FDP) titled "Methodical Minds: Building Expertise in Research Methodologies"	K RMangalam University Gurugram, Haryana	-	18//12/2023	18//12/2023	Guest Speaker

SI. No.	Faculty Name	Seminar Title	Organizer	Level	Start Date (dd-mm-yyyy)	End Date (dd-mm-yyyy)	Role
7	Prof. Madhvendra Misra	Guest Speaker at Online Refresher Course in Commerce and Business Administration	Department of Commerce and Business Administration, University of Allahabad	-	14/12/2023	27/12/2023	Guest Speaker
8	Prof. Madhvendra Misra	Resource Person – ICSSR sponsored Capacity Building Program on Business Ethics	PRJSU, Prayagraj	-	2023	2023	Resource Person
9	Dr. Saurabh Mishra	Delivered Hands-on Training on Social Commerce and Social Media Analytics for MSME-sponsored five-day Advanced Entrepreneurial Skill Development Program (ESDP), 2023-2024, on Artificial Intelligence	IIIT Lucknow	_	2024	2024	Resource Person
10	Dr. Saurabh Mishra	Delivered Hands- on Training on BA Applications in Marketing for MSME- sponsored five-day Advanced Management Development Program (MDP), 2023-2024, on the Business Analytics	IIIT Lucknow	-	2024	2024	Resource Person
11	Dr. Saurabh Mishra	Session Chair in 4th International Conference on Advances in Management and Technology (ICAMT-2024)	Jaypee Business School, JIIT Noida	-	2024	2024	Resource Person

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

SI. No.	Faculty Name	Role	Name of Seminar/Conference/Workshop/STP/ FDP/etc.	Organizer	Duration
1	Prof. Ranjit Singh	Chief Programme Coordinator	6th Summer School on Behvioural Finance and Internation! Conference	IIIT Allahabad	June 12-17, 2023
2	Prof. Ranjit Singh	General Chair	7th Summer School on Behvioural Finance and Internation! Conference	CHRIST (Deemed to be University) and IIIT Allahabad	February 12- 16, 2024



SI. No.	Faculty Name	Role	Name of Seminar/Conference/Workshop/STP/ FDP/etc.	Organizer	Duration
3	Dr. AnurikaVaish (PI) &Dr. Pragya Singh (Co-PI)	Organizer	Capacity Building Using Data Driven Technologies for Budding Entrepreneur of Future in an Innovative Dynamic Business Landscape	MSME-IIIT- ALLAHABAD	February 12- 16, 2024
4	Dr. Shailendra Kumar &Dr. Utkarsh Goel	Coordinator	Crafting Research via Systematic Literature Review and Bibliometric Analysis	IIIT Allahabad	July 20-21, 2023
5	Dr. Shailendra Kumar &Dr. Utkarsh Goel	Coordinator	An assessment of the Atal Pension Yojana (APY) awareness and penetration in Prayagraj, Division of Uttar Pradesh	MNNIT & IIIT Allahabad	February 28, 2024
6	Dr. Vineet Tiwari	Coordinator	Workshop on the Science of Happiness	Rekhi Center, IIIT Allahabad	March 16, 2024

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

SI. No.	Faculty Name	Activity Details	Organizer	Duration
1	Dr. AnurikaVaish	Advanced Management Development Program (A-MDP) on IPR & RISK MANAGEMENT	MSME & NIT Srinagar	March 4-9, 2024
2	Dr. Vineet Tiwari	FDP on "Nurturing Happiness in Academia"	by Rekhi Center of Excellence for the Science of Happiness at IIT Kharagpur	January 15- 17, 2024

Editorial Boards of Journals

SI. No.	Faculty Name	Role (Editor, Reviewer, Member, Etc.)	Journal Name	Publisher
1	Dr. Sudipta Das	Reviewer	Journal of Social and Economic Development	Springer
2	Dr. Sudipta Das	Reviewer	The Journal of Investing	Portfolio Management Research
3	Dr. Sudipta Das	Reviewer	Emerging MarketsFinance and Trade	Taylor &Francis

Honours and Awards

SI. No.	Faculty Name	Award Name	Awarded by	Year
1	Prof. Ranjit Singh	Gangadhar Bajpei Samman	Girdhar Gopal Foundation and the Jurist Academy	2024
2	Prof. Ranjit Singh	Kailash Gautam Sahitya	Kailash Gautam SrijanSanathan, Prayagraj and	2023
		Shiksha Setu Samman	Uttar Pradesh Bhasha Sansthan, Lucknow	

Other Activities

SI. No.	Faculty Name	Activity Details	Year
1	Prof. Vijaishri Tewari	Copyright Published- Mapper	May 2023
2	Prof. Vijaishri Tewari	Copyright Published- Employee Catcher	May 2023
3	Prof. Vijaishri Tewari	Copyright Published-Employee Behaviour Prediction	April 2024
4	Dr. Shailendra Kumar & Dr. Utkarsh Goel	Received a SBI Life sponsored Consultancy cum Training Project for the employees of SBI Life	April 2023

Future Plan

- We look forward to training competitive aspiring young minds to develop and make a better tomorrow and a new world of opportunities for all of us.
- Explore the impact of climate risk on asset pricing and various applications of engineering science in finance.
- To make the department a learning centre for young minds through international exposure &industry-equipped skill-set.



- **Patents and Copyrights**
- **Projects**
- **Academic Activities**
- **Labs and Research Facilities**
- **Memorandum of Understandings (MoUs) &** Ranking

Publications (2023-24)

	Type (Journal/	,			
S. No.	Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
1	Book chapter	Ojha, Nitish Kumar; Vaish, Abhishek	•	Exploring the Impact of OTT Media on Global Societies	2024
2	Book chapter	Dhara, Aiindrila; Mondal, Sangramjit; Gupta, Ayushi; Choudhary, Princy; Singh, Sangeeta ; Varadwaj, Pritish Kumar ; Sen, Nirmalya	Computational approaches to determine stem cell fate	Computational Biology for Stem Cell Research	2024
3	Book chapter	Ojha, Nitish Kumar; Vaish, Abhishek	Intersection of Technology and	Global Perspectives on Micro- Learning and Micro-Credentials in Higher Education	2024
4	Book Chapter	Mazumdar, Nabajyoti ; Indu, Pabak; Bhattacharyya, Souvik	Security Incidents and Security Requirements in Internet of Things (IoT) Devices	Human-Centered Approaches in Industry 5.0: Human-Machine Interaction, Virtual Reality Training, and Customer Sentiment Analysis	2024
5	Book	Bhattacharjee, Jayashree; Singh, Ranjit	The Retail Equity Investors: How Awareness and Risk Perception Shape their Investment Journey?	Notion Press	2024
6	Book	Maurya, R.; Sharma, P.; Singh, A.; Prakash, Surya	Revolution Towards DC Microgrids: A History" Operational Research for Renewable Energy and Sustainable Environments	IGI Global	2024
7	Conference	Saini, Pankaj Kumar; Meraz, Md; Javed, Mohammed	3D Object Detection in Point Cloud Using Key Point Detection Network	Lecture Notes in Networks and Systems	2024
8	Conference	Sinha, Ayush; Kaushik, Ashutosh; Vyas, Ranjana ; Vyas, O. P.	A Lightweight Intrusion Detection and Electricity Theft Detection System for Smart Grid	Lecture Notes in Electrical Engineering	2024
9	Conference	Sahoo, Sujit Sangram; Hosmane, Mahesh Mohan; Chaurasiya, Vijay Kumar	Blockchain-Based Marketplace for Farmers Using Perun Payment System		2024
10	Conference	Asif, Mohammad; Mishra, Sudhakar; Kannath, Jerald; Jayadevan, Tarun; Singh, Divakar; Goyal, Gauttam; Bhuyar, Aalok; Tiwary, Uma Shanker	Cross Cultural Comparison of Emotional Functional Networks	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
11	Conference	Sadhana; Kumar, Shashi Shekhar; Agarwal, Sonali		Proceedings of the 14th International Conference on Cloud Computing, Data Science and Engineering, Confluence 2024	2024
12	Conference	Singh, Varsha; Gupta, Shivam; Tiwary, Uma Shanker	HGAN: Editable Visual Generation from Hindi Descriptions	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024
13	Conference	Prakash, Shaurya; Singh, Manoj Kumar; Tiwary, Uma Shanker ; Srivastava, Mona	HUCMD: Hindi Utterance Corpus for Mental Disorders	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2024
14	Conference	Mittal, Vishesh; Meshram, Rahul; Dev, Deepak; Prakash, Surya	Indexability of Finite State Restless Bandits	2024 16th International Conference on COMmunication Systems and NETworkS, COMSNETS 2024	2024
15	Conference	Kaur, Dilsheen; Misra, Anuradha; Vyas, O. P.	Learning Salient Features for Speech Emotion Recognition using Attention-based Residual Bidirectional LSTM with Federated Learning	2024 4th International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies, ICAECT 2024	2024
16	Conference	Krstic, Dragana; Suljovic, Suad; Petrovic, Nenad; Dobrilovic, Dalibor; Gurjar, Devendra S.; Yadav , Suneel	Leveraging channel capacity of wireless system with multibranch selection combiner impacted by k- µ fading and co-channel interference for quantum machine learning QoS level prediction	Recent Trends in Computational Sciences - Proceedings of the 4th Annual International Conference on Data Science, Machine Learning and Blockchain Technology, AICDMB 2023	2024
17	Conference	Gupta, Harshit; Pal, Gourab; Ficili, Ilenia; Vyas, O. P. ; Puliafito, Antonio	Optimizing Federated Learning in Statistical Heterogeneity: A Fire Detection Use Case		2024
18	Conference	Tripathi, Anukriti; Rai, Aditi; Singh, Uphar; Vyas, Ranjana ; Vyas, O. P.	Unveiling AI Efficiency: Loan Application Process Optimization Using PM4PY Tool	Communications in Computer and Information Science	2024
19		Misra,Prasanna Kumar	A 86 mW of Power, 1.57 dB of noise Figure, Low-IF CMOS Receiver Frontend for 6GHz sub-Applications	IEEE Conference On Innovations in Technology	2024

S.	Type (Journal/ Book/	Author(s)	Panay Titla	Journal/Conference Name	Year
No.	Conference/ etc.)	Author(s)	Paper Title	Journal/Conterence Name	rear
20	Conference	Kumar, A.; Aashrith; Subhash, K. S.; Reddy, B. S. A.; Alam, Junaid; Maity, S.	Enhancing Facial Emotion Level Recognition: A CNN based Approach to Balancing Data	Springer Fifth International Conference on Advances in Information Communication Technology & Computing, AICTC-2024, Republic of Kazakhstan, Shymkent city, 160012, A. Baitursynov, Street no- 13, 29th-30th April 2024.	2024
21	Conference	Alam, Junaid; Mistri, Rajdeep; Maity, S.; Venkatesan, S.		3rd International Conference on Advanced Computing and Applications (ICACA 2024), Kolkata, India, February 23-24, 2024	2024
22	Conference	Paul, Subhadip; Patel, Hari Shankar; Saha, Ratan K.	A simulation study to investigate the effect of variation of blood-suspending medium on the photoacoustic signal	National Laser Symposium, DAE	2024
23	Conference	Paul, Subhadip; Khanam, Zartab; Roy, Mainak; Patel, Hari Shankar; Misra, Vatsal; Rani, Ravi; Sahoo, Amaresh; Saha, Ratan K.	An experimental investigation on in-vitro blood clot formation using multi- wavelength photoacoustics	IEEE Explore	2024
24	Conference	Parmar, Jiten; Saini, Naveen ; Dey, Dhananjoy	An Unsupervised Evolutionary Approach for Indian Regional Language Summarization	13th IEEE World Congress on Computational Intelligence (IEEE WCCI 2024)	2024
25	Conference	Mittal, V.; Meshram, R.; Dev, D; Prakash, Surya	Indexability of Finite State Restless Bandits	16th International Conference on COMmunication Systems &NETworkS (COMSNETS), Bengaluru, India	2024
26	Conference	Singh, A.; Kumar, S. ; Goel, U.	Financial literacy and individuals' investment decision making: The role of Theory of Planned Behavior	Management Doctoral Colloquium and Research Scholars Day (MDC & VRS 2024) organized by Vinod Gupta School of Management, Indian Institute of Technology Kharagpur.	2024
27	Conference	Maurya, Himanshu; Kanagaraj, Vigneshwaran; Bhattacharya, Avik; Panigrahi, Rajib Kumar		IEEE International Geoscience and Remote Sensing Symposium	2024
28	Conference	Arjun, P. S.; Melnik, Andrew; Nandi, Gora Chand	Exploring Unseen Environments with Robots using Large Language and Vision Models through a Procedurally Generated 3D Scene Representation	1. CoRR abs/2404.00318 (2024),2.https://arxiv.org/ abs/2404.00318	2024



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Journal	Sanjai; Singh, Ashutosh Kumar; Maurya, Rinki; Verma, Ramesh Kumar; Rajpoot, Vivek	A Compact and Wideband Circularly Polarized Hybrid Ring CDRA for C/X/Ku-Band Communication	Wireless Personal Communications	
30	Journal	Yadav, Gaurav Kumar; Rashwan, Hatem A.; Vidales, Benigno Moreno; Abdel-Nasser, Mohamed; Oliver, Joan; Nandi, Gora Chand ; Puig, Domenec	A Data-Driven Model to Predict Quality of Life Dimensions of People with Intellectual Disability Based on the GENCAT Scale	Social Indicators Research	2024
31	Journal	Kumar, Mayank; Mishra, Ashutosh	A microdosimetry analysis of reversible electroporation in scattered, overlapping, and cancerous cervical cells	Biomedical Physics and Engineering Express	2024
32	Journal	Gupta, Akriti; Chadha, Aman; Tewari, Vijayshri	A Natural Language Processing Model on BERT and YAKE Technique for Keyword Extraction on Sustainability Reports	IEEE Access	2024
33	Journal	Singh, Upendra Pratap; Singh, Krishna Pratap; Thakur, Manoj	A nuclear norm-induced robust and lightweight relation network for few-shots classification of hyperspectral images	Multimedia Tools and Applications	2024
34	Journal	Chanakya; Singh, Krishna Pratap; Nagabhushan, P.	A Pilot Study of Observation	Neural Processing Letters	2024
35	Journal	Kavindra; Singh, Roshani;	Aberrant photoelectric effect in the topological insulator/n- GaN heterojunction (Bi2Te3/ n-GaN) under unpolarized illumination	Nanoscale	2024
36	Journal	Singh, Sumit; Tiwary, Uma Shanker	ACRF: Aggregated Conditional Random Field for Out of Vocab (OOV) Token Representation for Hindi NER	IEEE Access	2024
37	Journal	Dubey, Divya; Goswami, Manish; Kandpal, Kavindra	Adaptation and comparative analysis of HSPICE level-61 and level-62 model for a-IGZO thin film transistors	Modelling-Electronic Networks	2024
38	Journal	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

S. No.	Type (Journal/ Book/ Conference/	Author(s)	Paper Title	Journal/Conference Name	Year
39	etc.) Journal	Kumar, Ritesh; Sharma, Nistala Venkata Kameshwer; Chaurasiya, Vijay Kumar	Adaptive traffic light control using deep reinforcement learning technique	Multimedia Tools and Applications	2024
40	Journal	Mondal, Rajat Kumar; Anand, Ananya Anurag; Samanta, Sintu Kumar	ADPDB: A Comprehensive Knowledgebase of Manually Curated Peptides Against Dengue Virus	International Journal of Peptide Research and Therapeutics	2024
41	Journal	Verma, Aman; Chaudhary, Gyanendra; Verma, Deepti; Prabhakar, Amit ; Behera, Kamalakanta	Ammonium tetrafluoroborate: Novel Unprecedented Catalyst for the Synthesis of 3,4-dihydropyrimidin- 2(1H)-ones through Biginelli Reaction	Chemistryselect	2024
42	Journal	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
43	Journal	Shrivastava, Trapti; Singh, Vrijendra; Agrawal, Anupam	Autism spectrum disorder	Health Information Science and Systems	2024
44	Journal	Sunny; Lalwani, Suraj Kumar; Bhati, Gaurav Singh; Prakash, Surya	Bayesian Optimization Based Neural Architecture Search for Classification of Gases/Odors Mixtures	IEEE Sensors Journal	2024
45	Journal	Sahoo, Sujit Sangram; Menon, Aravind R.; Chaurasiya, Vijay Kumar		Arabian Journal for Science and Engineering	2024
46	Journal	Gupta, Mandakini; Narvadeshwar; Maurya, Angesh Kumar; Jangra, Vikas; Pandey, Anamika; Sonkar, Piyush Kumar; Kumar, Upendra	Carbon nanotubes immobilized copper(salen) nanocomposite for electrochemical oxygen evolution reaction	Indian Journal of Chemistry	2024
47	Journal	Choudhary, Princy;Gupta, Ayushi; 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
48	Journal	Rajesh, Bulla; Zaman, SkMahafuz; Javed, Mohammed ; Lin, Meng	DCT-CompSegNet: fast layout segmentation in DCT compressed JPEG document images using deep feature learning	Multimedia Tools and Applications	2024



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
49	Journal	Basha, S. H. Shabbeer; Farazuddin, Mohammad; Pulabaigari, Viswanath; Dubey, Shiv Ram ; Mukherjee, Snehasis	Deep Model Compression based on the Training History	Neurocomputing	2024
50	Journal	Sharma, Priya; Singh, Ashutosh Kumar; Naresh, B.; Verma, Ramesh Kumar; Singh, Vinod Kumar; Pandey, Mohit Kumar	Design and optimization of broadband CPW rectenna for RF energy harvesting	International Journal of Electronics	2024
51	Journal	Rao, K. Anjali; Kumar, Abhishek; Patel, Sujit K.; Kaplun, Dmitrii; Purohit, Neetesh	Design of Frequency Sampling Rational Rate Polyphase FIR Converter		2024
52	Journal	Tyagi, Pankaj; Bansal, Sonal; Sharma, Anju; Tiwary, Uma Shanker; Varadwaj, Pritish Kumar	Differences in olfactory functioning: The role of personality and gender	Journal of Sensory Studies	2024
53	Journal	Basak, Suvramalya; Gautam, Anjali	Diffusion-based normality pre- training for weakly supervised video anomaly detection	Expert Systems with Applications	2024
54	Journal	Singh, Tinku; Sinha, Ayush; Singh, Satakshi; Vyas, O. P.; Kumar, Manish	Distributed hyperparameter optimization based multivariate time series forecasting	Multimedia Tools and Applications	2024
55	Journal	Upadhyay, Chandra Kant; Tewari, Vijayshri; Tiwari, Vineet	Does crowdsourcing services moderate effect on supply risk management performance in COVID-19 pandemic: evidence from India		2024
56	Journal	Sahoo, Sujit Sangram; Chaurasiya, Vijay Kumar	EASB: ECC based aggregate signature without bilinear pairing for blockchain	Multimedia Tools and Applications	
57	Journal	Mali, Bhabesh; Hazra, Abhishek; Mazumdar, Nabajyotii ; Gurusamy, Mohan	Edge Computing for Latency- Critical Task Offloading in Industry 5.0	IEEE Sensors Letters	2024
	Journal	Hussain, Sameer; Packirisamy, Gopinath; Misra, Krishna ; Tariq, Mohammad; Sk, Md Palashuddin	Editorial: Quantum dots for biological applications, volume II	Frontiers in Bioengineering and Biotechnology	2024
59	Journal	Yadav, Varsha; Bhatnagar, Rahul; Kumar, Upendra		Advances in Condensed Matter Physics	2024

S.	Type (Journal/ Book/	Author(s)	Paper Title	Journal/Conference Name	Year
No.	Conference/ etc.)	Author(s)	гарет ппе	Journal/Contelence Name	Icai
60	Journal	Jitendra; Pant, Triloki	Estimation of wheat crop production using multispectral information fusion		2024
61	Journal	Kumar, Nilesh; Kolos, Miroslav; Bhattacharya, Sitangshu ; Karlicky, Frantisek	Excitons, optical spectra, and electronic properties of semiconducting Hf-based MXenes	Journal of Chemical Physics	2024
62	Journal	Bajrai, Leena Hussein; Almalki, Abdulrahman Abdullah; Sahoo, Amaresh Kumar ; Dwivedi, Vivek Dhar; Azhar, Esamlbraheem	Marburg virus RNA binding	Journal of Biomolecular Structure and Dynamics	2024
63	Journal	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
64	Journal	Bhattacharjee, Jayashree; Pandey, Lata; Singh, Ranjit ; Baker, H Kent	Factors Affecting the Risk Perceptions of Cryptocurrency Investors	Journal of Behavioral Finance	2024
65	Journal	Maurya, Manish Kumar; Singh, Vivek Kumar; Shaw, Sandeep Kumar; Kumar, Manish	Fft-asvr: an adaptive approach for accurate prediction of IoT data streams	Journal of Supercomputing	2024
66	Journal	Gurubachan; Chandramouli, V. V. M. S.; Verma, S.	Fractal Dimension of α-Fractal Functions Without Endpoint Conditions	Mediterranean Journal of Mathematics	2024
67	Journal	Agrawal, Ekta; Verma, S.	Fractal surfaces in Hölder and Sobolev spaces	Journal of Analysis	2024
68	Journal	Singh, Satya Rajendra; Yedla, Roshan Reddy; Dubey, Shiv Ram ; Sanodiya, Rakesh Kumar; Chu, Wei-Ta	Frequency disentangled residual network	Multimedia Systems	2024
69	Journal	Shah, Priya; Singh Dubey, Richa; Rai, Shashikant ; Renwick, Douglas W. S.; Misra, Saurabh		Corporate Social Responsibility and Environmental Management	2024
70	Journal	Kumar, Akshay; Pandey, Mani Shankar; Kushwaha, Seema; Upadhyay, Sumit Kumar	Group Completion of a Gyrogroup	National Academy Science Letters	2024
71	Journal	Tripathi, Sandeep; Choudhary, Sudhanshu; Misra, Prasanna Kumar	Highly Reliable, Stable, and Store Energy Efficient 8T/9T- 2D-2MTJ NVSRAMs	IEEE Transactions on Nanotechnology	2024
72	Journal	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



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
73	Journal	Princy; Singh, Sangeeta	Identification and targeting of metastatic biomarkers for hepatocellular carcinoma therapeutics using small molecules library of curcumin analogues	Molecular Diversity	2024
	Journal	Awasthi, Rituraj; Bharti, Anurag; Kumar, Neetesh	detection: an application to estimating traffic density and identifying over speeding vehicles on highway scenes	Multimedia Tools and Applications	
75	Journal	Tripti; Gupta, O.P.; Pal, Mahesh; Gupta, Shalini; Singh, Saurabh Pratap;	In Silico Evaluation of Promising Naturally Occurring Bioactive Ligands Against Molecular Targets of SARS- Cov-2	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2024
76	Journal		Information Security Risk Assessment in Industry Information System Based on Fuzzy Set Theory and Artificial Neural Network		2024
77	Journal	Moustafa, Mahmoud; Chaubey, Kundan Kumar; Gupta, Arti; Kumar,	Inhibition of Mycobacterium tuberculosis resuscitation-promoting factor B (RpfB) by microbially derived natural compounds: a computational study	Journal of Biomolecular Structure & Dynamics	2024
78	Journal	Dubey, Shivam; Verma, S.	Inhomogeneous graph- directed attractors and fractal measures	Journal of Analysis	2024
	Journal		Integrating Healthcare 4.0 and WBAN: efficient redundancy reduction and adaptive packet scheduling using AR-DRL	, , ,	2024
80	Journal	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	·	2024
81	Journal		Joint Triplet Autoencoder for histopathological colon cancer nuclei retrieval	Multimedia Tools and Applications	2024

S.	Type (Journal/ Book/				
No.	Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
82	Journal	Chowdhury, Abishi; Pal, Amrit; Raut, Ashwin; Kumar, Manish	KIHCDP: An Incremental Hierarchical Clustering Approach for IoT Data Using Dirichlet Process	IEEE Access	2024
83	Journal	Singh, Kuldeep; Misra, Madhvendra	Financial Inclusion: The Moderating Effects of Financial Literacy and Income	Singapore Economic Review	2024
84	Journal	Bernard, Djimeli-Tsajio Alain; Thierry, Noulamo; Jean-Pierre, Lienou T.; Daniel, Tchiotsop; Nagabhushan, P.	Local Fourier features for handwriting digit images classification	International Journal of Electrical and Computer Engineering	2024
85	Journal	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
86	Journal	Hattab, Jihed; Selmi, Bilel; Verma, S.	MIXED MULTIFRACTAL SPECTRA OF HOMOGENEOUS MORAN MEASURES	Fractals	2024
87	Journal	Panchal, Riya; Tiwari, Sadhana; Agarwal, Sonali	Multimodal image fusion on ECG signals for congestive heart failure classification	Multimedia Tools and Applications	2024
88	Journal	Kumar, Amit; Pandey, Mani Shankar; Upadhyay, Sumit Kumar	Nilpotency and capability in multiplicative Lie algebras	Communications in Algebra	2024
89	Journal	Lal, Rattan; Selmi, Bilel; Verma, S.	On Dimension of Fractal Functions on Product of the Sierpiński Gaskets and Associated Measures	Results in Mathematics	2024
90	Journal	Mishra, Vikash Kumar; Kumar, Raghvendra; Nareti, Utsav; Pant, Triloki ; Soni, Pramod Kumar	Data and Multiple Feature Extraction Using Modified Otsu Thresholding	Journal of the Indian Society of Remote Sensing	2024
91	Journal	Sonbhadra, Sanjay Kumar; Agarwal, Sonali ; Nagabhushan, P.	COVID-19 Diagnosis with	International Journal of Pattern Recognition And Artificial Intelligence	2024
92	Journal	Sahoo, Sujit Sangram; Chaurasiya, Vijay Kumar	Proof of location based delivery system using multiparty virtual state channel: a blockchain model	Journal of Supercomputing	2024
93	Journal	Khan, Sahiba; Singh, Ranjit ; Baker, H. Kent; Jain, Gomtesh	Public Perception of Online P2P Lending Applications	Journal of Theoretical and Applied Electronic Commerce Research	2024



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
94	Journal	Das, Meghashrita; Surve, Sairaaj; Maity, Soumyadev ; Amin, Ruhu	Q-Secure-P2-SMA: Quantum- Secure Privacy-Preserving Smart Meter Authentication for Unbreakable Security in Smart Grid	Service Management	2024
95	Journal	Dwivedi, Rachit; Singh,	Reducing stock market settlement days using blockchain	Multimedia Tools and Applications	2024
96	Journal	Nidhi; 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
97	Journal	Agarwal, Sonali	Rule based complex event processing for IoT applications: Review, classification and challenges	Expert Systems	2024
98	Journal	Vinarm; Sharma, Nikhil;	Sentiment analysis based distributed recommendation system	Multimedia Tools and Applications	2024
99	Journal	Bharti, Brij Kumar; Yadav, Amar Nath	_	AEU - International Journal of Electronics and Communications	2024
100	Journal	Iqra; Giri, Kaisar J.; Javed, Mohammed	Small object detection in diverse application landscapes: a survey	Multimedia Tools and Applications	2024
101	Journal	Khan, Sahiba Singh, Ranjit ; Birari, Abhijeet	Speculative investment decisions in cryptocurrency: a structural equation modelling approach	Journal of Decision Systems	2024
102	Journal	Singh, Abhishek Kumar; Shalu	Structural, microstructure, dielectric relaxation, and AC conduction studies of perovskite SrSnO3 and Ruddlesden-Popper oxide Sr2SnO4	Physical Chemistry Chemical Physics	2024
103		Harshpreet; Alvi, Parvez Ahmad; Dev, Jai; Kushwaha, Pallavi;	Structural, microstructure, spectroscopic, and magnetic investigation of vanadiumdoped SrTiO3 perovskite ceramics	Journal of the American Ceramic Society	2024
104	Journal	Chakraborty, Pavan	Sun-Earth system Lagrange point spacecraft orbit computation by numerical method and deep learning technique	Acta Astronautica	2024

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
105	Journal	Subramanian, Venkatesan;	Sybil attack detection in ultra- dense VANETs using verifiable delay functions		2024
106	Journal	Harshpreet; Sharma, Minakshi; Alvi, P.A.;	Synthesis and investigation of structural, morphological and dielectric properties of Ba-ordered BaTiO3 perovskite oxide	Energy Storage	2024
107	Journal	Saima; Alvi, Almas; Mishra, Nidhi ; Lawrence, Rubina; Joshi, Seema; Khan, Abdul Rahman	Synthesis, Characterization, Computational Studies and Antimicrobial activity evaluation of Mixed Ligand- Metal complexes of selected thiosemicarbazones	Chemistryselect	2024
108	Journal	Tula, Debapriya; Vinakota, Sravan Kumar; Dubey,	Target aware network architecture search and compression for efficient knowledge transfer	Multimedia Systems	2024
109	Journal	Prabhakar, Amit; Verma,	The Role of Biosensors in Detection of SARS-CoV-2: State-of-the-Art and Future Prospects	Current Nanoscience	2024
110	Journal		The Schur Multiplier of Some Finite Multiplicative Lie Algebras	Journal of Lie Theory	2024
		Vidushi; Ahmad, Faizan; Singh, Roshani; Verma, S.andeep; Kandpal, Kavindra; Kumar, Rachana; Kumar, Mahesh; Tiwari, Akhilesh; Kumar, Pramod	GaN Vertical Heterojunction Diode for High Responsive Broadband UV to Near- Infrared Photodetector	Journal of Electronic Materials	2024
	Journal	Radhika ; Alexandropoulos, George C.; Gurjar, Devendra S.	Two-way communications empowered by reconfigurable intelligent surfaces and direct link: Outage analysis under hardware impairments and Nakagami-m fading	Physical Communication	2024
113	Journal	Singh, Ranjit; Pandiya,	Unveiling the Negative Customer Experience in Diagnostic Centers: A Data Mining Approach	Journal of Multidisciplinary Healthcare	2024



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114	Journal	Kumar, Ritesh; Panwar, Rajesh Chaurasiya, Vijay Kumar	Urban traffic forecasting using attention-based model with GCN and GRU	Multimedia Tools and Applications	2024
115	Journal	Sahoo, Sujit Sangram; Chaurasiya, Vijay Kumar	VIBE: Blockchain-based Virtual Payment in IoT Ecosystem: A Secure Decentralized Marketplace	Multimedia Tools and Applications	2024
116	Journal	Dhali, Sunil; Karakoti, Manoj; Tatrari, Gaurav; Pandey, Sandeep; Rawat, Kundan Singh; Tewari, Chetna; Boddepalli, SanthiBhushan ; Jung, Yong Chae; 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
117	Journal	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
118	Journal	Singh, Nimisha; Vaish, Anurika	Digital Banking and Gig Workers' Green Behaviour: The Intervening Role of Financial Inclusion and Sustainable Bank Initiatives	Academy of Marketing Studies Journal	2024
119	Journal	Kumar, Akshay; Kushwaha, Seema; Upadhyay, Sumit Kumar	A realistic notion of a right gyrogroup action	Proc. Rom. Acad. Ser. A	2024
120	Journal	Sridharan, Raja; Upadhyay, Sumit Kumar, Yadav, Sunil Kumar	Some remarks on algebraic fundamental groups	Journal of Pure and applied algebra	2024
121	Journal	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	Int J BiolMacromol	2024
122	Journal	Singh, Suyash Kumar; Yadav, Amar Nath	Advancing microwave ablation applicators: integrating computational modeling of a graphene-based applicator with machine learning for ablation zone prediction	Journal of Computational Electronics	2024
123	Journal	Maurya, Himanshu; Bhattacharya, Avik; Panigrahi, Rajib Kumar	Scattering power decomposition using independent physical models by decoupling co-pol correlation	IEEE Geoscience and Remote Sensing Letters	2024

S. No.	Type (Journal/ Book/ Conference/	Author(s)	Paper Title	Journal/Conference Name	Year
140.	etc.)				
124	Journal	Singh, T; Sinha, A; Singh, S.; Vyas, O. P. ; Kumar, Manish	Distributed hyperparameter optimization based multivariate time series forecasting	Multimedia Tools and Applications	2024
125	Review	Vasani, Vatsal; Prateek, Kumar; Amin, Ruhul; Maity, Soumyadev ; Dwivedi, Ashutosh Dhar	Embracing the quantum frontier: Investigating quantum communication, cryptography, applications and future directions	Journal of Industrial Information Integration	2024
126	Review	Shukla, Richa; Singh, Sangeeta; Misra, krishna	Remedial Measures for Neurodegenerative Diseases Targeting Gut-Microbial Dysfunction with Herbal Bio- Actives	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2024
	Book	Kala, Rahul	Autonomous Mobile Robots: Planning, Navigation and Simulation	Autonomous Mobile Robots: Planning, Navigation and Simulation	2023
128	Book	Chaudhary, Shrutika; Shivalkar, Saurabh; Sahoo, Amaresh Kumar	Biosynthesis of Zinc Oxide Nanoparticles and Major Applications	Mycosynthesis of Nanomaterials: Perspectives and Challenges	2023
129	Book	Ashok Kumar, L.; Karthika Renuka, D.; Agarwal, Sonali ; Chandrasekar, V.	Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things	Data Computing for Smart Cities	2023
130	Book	Handa, Anand; Negi, Rohit; Venkatesan, S. ; Shukla, Sandeep K.	Implementing enterprise cyber security with open-source software and standard	Implementing Enterprise Cyber Security with Open- Source Software and Standard Architecture	2023
131	·	Tolani, Manoj; Ajasa, Abiodun Afis; Balodi, Arun; Bajpai, Ambar; AlZaharani, Yazeed; Sunny	Advanced Sensor Systems for Robotics and Autonomous Vehicles	Studies in Computational Intelligence	2023
132	Book chapter	Tripathi, Suvidha; Singh, Satish Kumar	An Object Aware Hybrid U-Net for Breast Tumour Annotation	EAI/Springer Innovations in Communication and Computing	2023
133	Book chapter	Yadav, Jitendra; Misra, Madhvendra ; Rana, Nripendra P.; Singh, Kuldeep; Goundar, Sam	Blockchain's potential to rescue sports: A social media perspective	Distributed Computing to Blockchain: Architecture, Technology, and Applications	2023
134	Book chapter	Singh, Tinku; Rajput, Vinarm; Sharma, Nikhil; Satakshi; Kumar, Manish	Distributed Item Recommendation Using Sentiment Analysis	Lecture Notes in Networks and Systems	2023
		Sonali	and stream data analytics for the prediction of weather	Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things	2023
136	Book chapter	Vaish, Abhishek; Upadhyay, Vatsala; Bobek, Samo; Zabukovsek, Simona Sternad	Exploratory research of cyber security dimensions: Selected use cases analysis	Contemporary Challenges for Cyber Security and Data Privacy	2023



S.	Type (Journal/ Book/				
No.	Conference/	Author(s)	Paper Title	Journal/Conference Name	Year
	Book chapter	Roy, Nimisha; Jaiswal, Sonali; Dhwaj, Amar; Verma, Deepti; Prabhakar, Amit	Characterization, and Applications	Nanobiosensors for Point-of-Care Medical Diagnostics	2023
138	Book chapter		Physical layer security solutions and technologies	Security and Privacy Schemes for Dense 6G Wireless Communication Networks	2023
139	Book chapter	Kanaujiya, Ashok Kumar; Tiwari, Vineet	Pilgrimage itineraries dimensions with focus on Kumbh Mela 2019, Prayagraj, India	Experiences, Advantages, and Economic Dimensions of Pilgrimage Routes	2023
140	Book chapter	Shivalkar, Saurabh; Ranjan, Sneha; Sahoo, Amaresh Kumar	Polymeric Nanocomposites: Synthesis, Characterization, and Recent Applications	Nanomaterials: Advances and Applications	2023
141	Book chapter	Prateek, Kumar; Maity, Soumyadev	Quantum Programming on Azure Quantum—An Open- Source Tool for Quantum Developers	Studies in Computational Intelligence	2023
142	Book chapter	Bajpai, Ambar; Tolani, Manoj; Balodi, Arun; Sharma, Sunny ; Wuttisittikulkij, Lunchakorn	The Role of 5G in Railway Applications	Applications of 5G and Beyond in Smart Cities	2023
143	Book chapter	Srivastava, Harsh; Pant, Triloki		Lecture Notes on Data Engineering and Communications Technologies	2023
144	Book chapter	Jitendra; Pant, Triloki ; Haspe, Amruta	Wheat Crop Acreage Estimation Using Vegetation Change Detection with Multi- layer Neural Network	Lecture Notes on Data Engineering and Communications Technologies	2023
145	Book	Singh, Ranjit; Kajol, K.	Emerging Issues in Behavioural Finance	Bloomsburry Publication, UK	2023
146	Book chapter	Mishra, Varun; Vaish, Anurika	Neo Banks a Rudder to Economic Development	Indian Economy Emerging Issues Book; Gupta Anjila& Shukla Nikita; ABS Books UP India	2023
147	Book chapter	Agrawal, Anupam ; Koppula, Krishna Sai	Autism Spectrum Disorder Detection through Facial Analysis and Deep Learning: Leveraging Domain-Specific Variations	4th Springer International Conference on Frontiers in Computing and Systems, IIT Mandi	
148	Book Chapter		Assessment of Document Clustering and Topic Modeling of Blockchain Adoption by the e-Sports Community	Computational Intelligence in Analytics and Information Systems	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
149	Book Chapter	Madhvendra; Yadav,	Communication Services for Social Connect: A Proposed Market for Wipro	Computational Intelligence in Analytics and Information Systems	2023
150	Conference	Bandla, Kasi; Pal,	A 2bit/stage Reusability based methodology for designing 8-bit Binary Search ADC	2023 IEEE Region 10 Symposium, TENSYMP 2023	2023
151	Conference	Muneendra; Singh,	A Comparative Study on Grid- Based and Non-grid-based Path Planning Algorithm	2023 8th International Conference on Control and Robotics Engineering, ICCRE 2023	2023
152	Conference	Durgapal, Prateek; Kataria, Parth; Garg, Garv; Anand, Anshu S.	A Comprehensive Distributed Framework for Cross-silo Federated Learning using Blockchain	2023 5th International Conference on Blockchain Computing and Applications, BCCA 2023	2023
153	Conference		A Comprehensive Review on DC Microgrid Controlling Techniques	2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation, SeFet 2023	2023
154	Conference	Snehanshu; Chakraborty, Pavan; Singh, Krishna	A Fast and Robust Photometric Redshift Forecasting Method Using Lipschitz Adaptive Learning Rate	Communications in Computer and Information Science	2023
155	Conference	Tamkute, Pradumna;	A Machine Learning Framework for Breast Cancer Detection and Classification	Lecture Notes in Electrical Engineering	2023
156	Conference	Tinku; Vyas, Ranjana; Kumar, Manish; Vyas, O. P.	A Methodological Review of Time Series Forecasting with Deep Learning Model: A Case Study on Electricity Load and Price Prediction	Lecture Notes in Electrical Engineering	2023
157	Conference	Anupam	A Multi-Dataset Comparative Analysis of Keras and GloVe- Based BiLSTM Models for Sentiment Analysis	9th International Conference on Smart Computing and Communications: Intelligent Technologies and Applications, ICSCC 2023	2023
158	Conference	Jana, Gopal Chandra; Agrawal, Anupam	A Multi-view Representation Learning Approach for Seizure Detection Over Multi-channel EEG Signals	Smart Innovation, Systems and Technologies	2023
159		Singh, Satish Kumar; Chaudhuri, Bidyut Baran	A Novel Deep Learning Method for Thermal to Annotated Thermal-Optical Fused Images	Communications in Computer and Information Science	2023



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	Conference	Geed, Anand; Chandra, Ritesh; Tiwari, Sadhana; Agarwal, Sonali; Singh, Krishna Pratap	A Personalized Cancer Diagnosis using Text based Clinical Data with Machine Learning Models	OCIT 2023 - 21st International Conference on Information Technology, Proceedings	2023
161	Conference	Sengupta, Sarthak; Vaish, Anurika; Escudero, David Fonseca; García- Peñalvo, Francisco José; Bose, Anindya; Moreira, Fernando	A Review on Modular Framework and Artificial Intelligence-Based Smart Education	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
162	Conference	Kaur, Dilsheen; Misra, Anuradha; Vyas, O. P.	A Short Survey of Elucidating the Emotion Recognition Methodologies Using Facial Images and EEG Signals	Lecture Notes in Networks and Systems	2023
163	Conference	Dhote, Anurag; Javed, Mohammed ; Doermann, David S.	A Survey and Approach to Chart Classification	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
164	Conference	Singhal, Kartik; Agrawal, Anupam	Abstractive Text Summarization for English Language Using NLP and Machine Learning Approaches	Smart Innovation, Systems and Technologies	2023
165	Conference	Patil, Snehal D.; Bartakke, Prashant P.; Sutaone, Mukul S. ; Chavan, Rajesh	Accounting for Groundtruth Subjectivity in Comparing Face Detection Techniques	Proceedings of the 2023 IEEE International Conference on Computer Vision and Machine Intelligence, CVMI 2023	2023
166	Conference	Maurya, Manish Kumar; Kumar, Manish	Accurate and Decentralized Approach for Traffic Flow Prediction Using Federated Learning	27th International Computer Science and Engineering Conference 2023, ICSEC 2023	2023
167		Dubey, Shiv Ram; Singh, Satish Kumar; Chaudhuri, Bidyut Baran	AdaNorm: Adaptive Gradient Norm Correction based Optimizer for CNNs	Proceedings - 2023 IEEE Winter Conference on Applications of Computer Vision, WACV 2023	2023
168	Conference	Krstic, Dragana; Petrovic, Nenad; Suljovic, Suad; Pandey, Gaurav K.; Singh Gurjar, Devendra; Yadav, Suneel	Al-Driven Approach for QoS Estimation Using LCR in 5G Network with Selection Combining in α-η-μ Fading and Co-Channel Interference Environment	Conference Proceedings - 2023 IEEE Silchar Subsection Conference, SILCON 2023	2023
169	Conference	Tiwari, Sadhana; Zohair, Mohammad; Chandra, Ritesh; Agarwal, Sonali ; Agarwal, Parikshit	AI-Enabled Learning for Imbalanced Class Data using Spark Streaming Concepts	OCIT 2023 - 21st International Conference on Information Technology, Proceedings	2023
170	Conference	Rao, Trupthi; Agarwal, Sonali; Singh, Navjot	An Empirical Evaluation of Shapley Additive Explanations: A Military Implication	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Conference	Ritesh; Agarwal, Sonali	for IoT Based Lifestyle Disease Classification Using Stress Data	Information Science	2023
	Conference	Gautam, Anjali; Singh, Satish Kumar	Images	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2023
173	Conference	Singh, Uphar; Gajjala, Deepak; Khondoker, Rahamatullah; Gupta, Harshit; Sinha, Ayush; Vyas, O. P.	Anomaly Classification to Enable Self-healing in Cyber Physical Systems Using Process Mining	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
	Conference	Deshpande, Kapil; Punn, Narinder Singh; Sonbhadra, Sanjay Kumar; Agarwal, Sonali	Anomaly Detection in Surveillance Videos Using Transformer Based Attention Model	Information Science	2023
175	Conference	Singh, Vrijendra, Agrawal, Anupam	Autism Spectrum Disorder Classification of Facial Images Using Xception Model and Transfer Learning with Image Augmentation	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
176	Conference	Chandra, Ritesh; Tiwari, Sadhana; Kumar, Ashutosh; Agarwal, Sonali ; Syafrullah, M.; Adiyarta, Krisna	Autism Spectrum Disorder Detection using Autistic Image Dataset	International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	2023
177	Conference		Automated Hardware Auditing Testbed for UART and SPI based IoT Devices	2023 10th International Conference on Internet of Things: Systems, Management and Security, IOTSMS 2023	2023
178	Conference	Kumar, Ashutosh; Peshvani, Brijesh; Venkatesan, S.; Kumar, Manish; Yadav, Suneel; Shukla, Sandeep Kumar	Automated Security Audit Testbed For IP-Based IoT Devices Without Physical Access	2023 10th International Conference on Internet of Things: Systems, Management and Security, IOTSMS 2023	2023
179	Conference	Mishra, Sourav; Chaurasiya, Vijay Kumar	Automatic Firearm Detection in Images and Videos Using YOLO-Based Model	Communications in Computer and Information Science	2023
	Conference	Gupta, Harshit; Rajput, Tarun Kumar; Vyas, Ranjana ; Vyas, O. P. ; Puliafito, Antonio	Biometric Iris Identifier Recognition with Privacy Preserving Phenomenon: A Federated Learning Approach	Information Science	2023
181	Conference	Rajendra, Yuvaraj; Subramanian, Venkatesan ; Shukla, Sandeep Kumar		2023 15th International Conference on COMmunication Systems and NETworkS, COMSNETS 2023	2023



S. No.	Type (Journal/ Book/ Conference/	Author(s)	Paper Title	Journal/Conference Name	Year
182	etc.) Conference	Asif, Mohammad; Gupta, Aditya; Aditya, Aditya; Mishra, Sudhakar; Tiwary, Uma Shanker	Brain Multi-Region Information Fusion using Attentional Transformer for EEG Based Affective Computing	2023 IEEE 20th India Council International Conference, INDICON 2023	2023
183	Conference	Mishra, Lalita; Verma, Shekhar; Varma, Shirshu	Brain Tumor Classification Using Feature Extraction and Non-linear SVM Hybrid Model	Communications in Computer and Information Science	2023
184	Conference	Garg, Harsh; Naik, Ramavath Vasanth; Pal, Tarun Harishchandra; Mina, Mohit Kumar; Gautam, Anjali	Brain Tumor Segmentation using the Modified UNET Architecture	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
185	Conference	Potter, Connor J.; Saxena, Neetesh; Maity, Soumyadev	Clarity: Analysing Security in Web Applications	2023 15th International Conference on COMmunication Systems and NETworks, COMSNETS 2023	2023
186	Conference	Kumar, Bagesh; Gupta, Harshit; Ingale, Shriyash Pravin; Vyas, O. P.	Classification of Indoor– Outdoor Scene Using Deep Learning Techniques	Lecture Notes in Electrical Engineering	2023
187	Conference	Singh, Varsha; Singh, Vijai; Tiwary, Uma Shanker	Clustering Using Genetic Algorithm: A Collaborative Performance Analysis	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023	2023
188	Conference	Mishra, Dipti; Singh, Satish Kumar	ColCompNeT: Deep Learning- Based Colorization-Based Coding Network	Lecture Notes in Electrical Engineering	2023
	Conference	Gupta, Harshit; Sharma, Sahil; Roshan, Aadharsh; Baranwal, Ayush; Rajendran, Sankalp; Vyas, Ranjana ; Vyas, O. P. ; Puliafito, Antonio	Commissioning Federated Reinforcement Learning to Envision Network Security Strategies	International Conference, INDICON 2023	2023
190	Conference	Sinha, Ayush; Dwivedi, Shubham; Shukla, Sandeep Kumar; Vyas, O. P.	Commissioning Random Matrix Theory and Synthetic Minority Oversampling Technique for Power System Faults Detection and Classification	Communications in Computer and Information Science	2023
191	Conference	Rajesh, Bulla; Zaman, SkMahafuz; Javed, Mohammed; Nagabhushan, P.	CompTLL-UNet: Compressed Domain Text-Line Localization in Challenging Handwritten Documents Using Deep Feature Learning from JPEG Coefficients	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
192	Conference	Reddy, BytasandramYaswanth; Dubey, Shiv Ram ; Sanodiya, Rakesh Kumar; Karn, Ravi Ranjan Prasad	Context Unaware Knowledge Distillation for Image Retrieval	Lecture Notes in Networks and Systems	2023
193	Conference	Tiwari, Paritosh; Ojha, Muneendra	Data-Centric Approach to SAR-Optical Image Translation	Communications in Computer and Information Science	2023
	Conference	Kumar, Ritesh; Torres- Sospedr, Joaquín; Chaurasiya, Vijay Kumar	Datasets for Indoor Positioning with Single-AP Wi-Fi Fingerprinting		2023
195	Conference	Agrawal, Anupam ; Srinivasulu, Asadi		2023 15th International Conference on Computer and Automation Engineering, ICCAE 2023	2023
196	Conference	Chandra, Ritesh; Tiwari, Sadhana; Kumar, Shashi Shekhar; Agarwal, Sonali ; Syafrullah, M.; Adiyarta, Krisna	Deep Neural Networks for Brain Tumor Image Segmentation and Detection	International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	2023
197	Conference	Semwal, Rahul; Aier, Imlimaong; Tyagi, Pankaj; Raj, Utkarsh; Varadwaj, Pritish Kumar	DeepLBS: A deep Convolutional Neural Network- Based Ligand-Binding Site Prediction Tool	2023 6th International Conference on Information Systems and Computer Networks, ISCON 2023	2023
198	Conference	Agrawal, Anupam ; Dey, Sharmistha; Jana, Gopal Chandra	Depressive and Non- depressive Tweets Classification using a Sequential Deep Learning Model	Proceedings of 2023 International Conference on Intelligent Systems, Advanced Computing and Communication, ISACC 2023	2023
199	Conference		Attention	2023 37th International Conference on Information Technologies, Info Tech 2023 - Proceedings	2023
200	Conference	Sahu, Tej Prakash; Tiwari, Ritesh Kumar; Misra, Prasanna Kumar; Goswami, Manish; Kandpal, Kavindra	Design and Analysis of Low- Voltage, MOS-only Bandgap Reference Circuit	Proceedings - 2023 IEEE International Symposium on Smart Electronic Systems, iSES 2023	2023
201	Conference	Santhoshi, Dornala; Bharti, Brij Kumar; Yadav, Amarnath; Kandpal, Kavindra	Gilbert Cell Down-Conversion Mixer for Improved Linearity,	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023	2023
202	Conference	Rao, K. Anjali; Chandra, Shanti; Purohit, Neetesh	Design of Efficient Polyphase Interpolated-FIR Filter Using Coefficient Symmetry	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Conference	Tanmoy; Verma, S.	Dimensional Analysis of Mixed Riemann–Liouville Fractional Integral of Vector-Valued Functions	Mathematics and Statistics	2023
	Conference	Racjesh, Bulla; Agrawal, Manav Kamlesh; Bhuva, Milan; Kishore, Kisalaya; Javed, Mohammed	Document Image Binarization in JPEG Compressed Domain Using Dual Discriminator Generative Adversarial Networks	Lecture Notes in Networks and Systems	2023
205	Conference		Dominance Submissiveness Predisposition Scale (DSPS): Development and Validation	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
206	Conference	Pragya	Efficient Voluntary Contact- Tracing System and Network for COVID-19 Patients Using Sound Waves and Predictive Analysis Using K-Means	Lecture Notes in Networks and Systems	2023
207	Conference	Chaturvedi, Anjali; Bajaj, Hardik; Shah, Udgam;	Efficiently Transferring Pre- trained Language Model RoBERTa Base English to Hindi Using WECHSEL	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	2023
208	Conference	Singh, Varsha; Singh, Ravi Kumar; Tiwary, Uma Shanker	Emotion Classification Through Facial Expressions Using SVM and Convolutional Neural Classifier	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
209		Vinodbhai, MajithiaTejas; Mishra, Sudhakar; Gupta,		Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2023
210	Conference	Abhishek; Vyas, O. P. ; Garofalo, Marco; Tricomi, Giuseppe; Longo, Francesco; Merlino, Giovanni; Puliafito, Antonio	Empirical Analysis of Federated Learning Algorithms: A Federated Research Infrastructure Use Case	International Conference on Cloud Computing and Services Science, CLOSER - Proceedings	2023
211	Conference		Enabling Secure UAV-Assisted IoT Communications with RF Energy Harvesting in the Presence of Eavesdropper	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
212	Conference	Singh, Aayushi; Singh, Sumit; Tiwary, Uma Shanker	Enhancing Hindi Named Entity Recognition through Ensemble Learning	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023	2023
213	Conference	Upadhyay, Vasudha; Joshi, Savitri	Estimating Change in the Hazard Function of Patients with Inoperative Lung Cancer using Hazard Change Point Models	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
214	Conference	Saha, Ratan K.; Mandal, Ujjal	Estimation of optoacoustic spectra for normal and pathological red blood cells using a modified Green's function approach	Proceedings of SPIE - The International Society for Optical Engineering	2023
215	Conference	Singh, Uphar; Hoskere, Yash; Tapas, Nachiket; Vyas, Ranjana; Vyas, O. P.	Evaluating the Effectiveness of Multi-Filtering Techniques on Comprehensibility Improvement of Spaghetti Models	2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023	2023
216	Conference	Srivastava, Harsh; Pant, Triloki	Evaluation of ESA CCI Above Ground Biomass Using Multi- Source, Multi-Spectral Data And Machine Learning	International Geoscience and Remote Sensing Symposium (IGARSS)	2023
217	Conference	Mondal, Sudeep; Warbal, Pankaj; Paul, Subhadip; Saha, Ratan K	Experimental Evaluation of Sensor Directivity Using Isotropic Total Variation Minimization in Photoacoustic Tomography	IEEE International Ultrasonics Symposium, IUS	2023
218	Conference	Yadav, Suneel; Gour, Radhika; Gurjar, Devendra S.; Pandey, Anshul	Exploiting Direct Link in Dual-Hop AF Relaying for THz Wireless Systems	Proceedings - 6th International Conference on Advanced Communication Technologies and Networking, CommNet 2023	2023
219	Conference	Singh, Varsha; Krishna, Laalasa; Gude, Lakshmi; Challa, Lahari; Jayam, Praneeksha; Kumar, TeluAkshay; Reddy, G Nithin; Tiwary, Uma Shanker	Facial Emotion Level Recognition Using CNN	2023 IEEE Region 10 Symposium, TENSYMP 2023	2023
220	Conference	Kayande, Devendra; Sonowal, Indra Ballav; Bhukya, Ramesh K.	Fine-tuning the Wav2Vec2 Model for Automatic Speech Emotion Recognition System	Proceedings of 2023 26th Conference of the Oriental COCOSDA International Committee for the Co-Ordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2023	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
221	Conference	, ,,	Fractal Dimension for a Class of Complex-Valued Fractal Interpolation Functions	Springer Proceedings in Mathematics and Statistics	2023
222	Conference	Rai, Divyansh; Agarwal, Arpit; Kumar, Bagesh; Vyas, O. P. ; Khan, Suhaib; Shourya, S.		Communications in Computer and Information Science	2023
223	Conference	Dubey, Shwetang; Ranjan Sahoo, Alok; Chakraborty, Pavan	Guidance System for Visually Impaired Persons Using Deep Learning and Optical Flow	27th International Computer Science and Engineering Conference 2023, ICSEC 2023	2023
224	Conference	Vani; Singh, Sumit; Burman, Puja; Jain, Anmol; Tiwary, Uma Shanker	GWD: Graded Word Drop Model for When Type Questions for Hindi QA	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	
225		Shah, Sneh; Shah, Sristi; Kamarti, Vaishnav; Meghana, Bandi; Jayam, Praneeksha; Singh, Rashmi; Gautam, Anjali	Hard Exudates Segmentation From Retinal Fundus Images	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
226	Conference	Rao, K. Anjali; Purohit, Neetesh	Hardware Efficient 2-Parallel and 3-Parallel even Length FIR Filters Using FFA	2023 IEEE 8th International Conference for Convergence in Technology, I2CT 2023	2023
227		Singh, Varsha; Karmakar, Abhishek; Gazi, Sharik; Mishra, Shashwat; Kumar, Shubhendra; Tiwary, Uma Shanker	Household Power Consumption Analysis and Prediction Using LSTM	Smart Innovation, Systems and Technologies	2023
228	Conference	Singh, Uphar; Tamrakar, Sanghmitra; Saurabh, Kumar; Vyas, Ranjana ; Vyas, O. P.	Hyperparameter Tuning for LSTM and ARIMA Time Series Model: A Comparative Study		2023
229		Agrawal, Anupam ; Goyal, Parag	IIITA AlumniConnect: A Community Platform to Bridge the Gap Between Alumni, Students and Faculty		2023
		Kumari, Akrity; Punn, Narinder Singh; Sonbhadra, Sanjay Kumar; Agarwal, Sonali	Impact of the Composition of Feature Extraction and Class Sampling in Medicare Fraud Detection	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	
231		Chettiar, Gautam; Shukla, Amogh; Nalwaya, Preet; Sethi, Karman; Prakash, Surya	Impersonated Human Speech Chatbot with Adaptive Frequency Spectrum	2023 3rd International Conference on Intelligent Communication and Computational Techniques, ICCT 2023	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
232	Conference		Improving event log quality using autoencoders and performing quantitative analysis with conformance checking	Proceedings of the 13th International Conference on Cloud Computing, Data Science and Engineering, Confluence 2023	2023
233	Conference	Gupta, Ayushi; Choudhary, Princy; Pahal, Sonu; Singh, Sangeeta	Inhibition of SARS-CoV2 Replication Regulated by NSP3 through Ayurveda Phytoconstituents of Indian Traditional Medicine	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023	2023
234	Conference	Choudhary, Princy; Sankhala, Rameshwar; Singh, Sangeeta	Integration of Significant Signaling Pathways Involved in Neural-fate Differentiation of Stem Cells	Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023	2023
235	Conference	Asif, Mohammad; Srivastava, Diya; Gupta, Aditya; Tiwary, Uma Shanker	Inter Subject Emotion Recognition Using Spatio- Temporal Features From EEG Signal	27th International Computer Science and Engineering Conference 2023, ICSEC 2023	2023
236	Conference	Yadav, Ashutosh Kumar; Yadav, Suneel; Gour, Radhika; Gurjar, Devendra S.	Intercept Probability and Secrecy Capacity Evaluation of RIS-Empowered Wireless Communications Over Nakagami-m Fading	2023 3rd Asian Conference on Innovation in Technology, ASIANCON 2023	2023
237	Conference	Upadhyay, Vatsala; Vaish, Abhishek ; Kokila, J.	Internet of Things(IoT) security: Approaches and existing solutions	Proceedings - 2023 TRON Symposium, TRONSHOW 2023	2023
238	Conference	Goyal, Aman; Mishra, Sourav; Chaurasiya, Vijay K.	Intrusion Detection in Wireless Sensor Networks Using Deep Learning	2023 4th International Conference for Emerging Technology, INCET 2023	2023
239	Conference		IoT-Based Plant Disease Detection and Classification: A Study on Learning Models	Lecture Notes in Networks and Systems	2023
240	Conference	Kumar, Shashi Shekhar; Kumar, Ashutosh; Chandra, Ritesh; Agarwal, Sonali ; Syafrullah, Mohammad; Adiyarta, Krisna	Leveraging regression models for rule based complex event	International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	2023
241	Conference	Gupta, Samiksha; Singh, Satish Kumar ; Jiang, Xiaoyi	Leveraging Tri-Planar Views and Weighted Average Fusion Technique to Classify Lung Nodule Malignancy	Communications in Computer and Information Science	2023
242	Conference	Roy, Swalpa Kumar; Manna, Suvojit; Dubey, Shiv Ram ; Chaudhuri, Bidyut Baran	LiSHT: Non-parametric Linearly Scaled Hyperbolic Tangent Activation Function for Neural Networks	Communications in Computer and Information Science	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
243	Conference	Rahul; Nandi, Gora Chand	Low-Cost Domain Adaptive Experience Based Localization for Autonomous Robots		2023
244	Conference	Kenye, Lhilo; Kala, Rahul	Low-Cost Simultaneous Localization and Mapping Using Occupancy Grid, Place Recognition and Semantic Priors	IEEE International Workshop on Robot and Human Communication, RO-MAN	2023
245	Conference	, , ,	Low-Cost Solution-Processed Facile h-MoO3/n-Si Heterojunction Diode	Proceedings of the IEEE Conference on Nanotechnology	2023
246	Conference	Xijun; Mahajan, Mridul; Kala, Rahul ; Palugulla,	METEOR: A Dense, Heterogeneous, and Unstructured Traffic Dataset with Rare Behaviors	Proceedings - IEEE International Conference on Robotics and Automation	2023
247	Conference	Saloni; Kushwaha, Vandana; Nandi, Gora Chand	MMAG: Mutually Motivated Attention Gates for Simultaneous Extraction of Contextual and Spatial Information from a Monocular Image	ACM International Conference Proceeding Series	2023
248	Conference	Shiv Ram; Sreeja, S.R.	Moment Centralization-Based Gradient Descent Optimizers for Convolutional Neural Networks	Lecture Notes in Networks and Systems	2023
249	Conference	Devendra S.; Pandey, Gaurav K.; Shukla, Mahnedra K.	Multi-Relay Multi-User Asymmetric Two-Way Relaying Over Fading Channels: A Unified Outage Analysis and Location Optimization Study	_	2023
250	Conference	Mandal, Ujjal; Singh, Jagpreet; Saha, Ratan K	On the Born series methods for solving inhomogeneous Helmholtz equation in biomedical photoacoustics	Proceedings of SPIE - The International Society for Optical Engineering	2023
251		Gour, Radhika; Yadav, Suneel; Yadav, Ashutosh K.; Purohit, Neetesh	On the Performance of Two- Way Full-Duplex RIS-Aided Vehicular Networks Over Double Nakagami-m Fading Channels	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
252	Conference	Suneel; Gour, Radhika; Gurjar, Devendra Singh	Outage Analysis of AmBC-Enabled Vehicular Communications Under Mixed Nakagami-m and Cascaded Nakagami-m Fading Channels	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Conference	Krstic, D.; Suljovic, S.; Gurjar, D.S.; Yadav, S.	Beaulieu-Xie Fading and Co- channel Interference Rayleigh Modeled	2023 46th ICT and Electronics Convention, MIPRO 2023 - Proceedings	2023
254	Conference	Ahirwar, Madhvendra; Agrawal, Anupam		9th International Conference on Smart Computing and Communications: Intelligent Technologies and Applications, ICSCC 2023	2023
255	Conference	Singh, Varsha; Deepthi, Thanmai; Ginnare, Jayesh; Pavani, Kontham; Rathour, Mohit; Sonu, Inder; Tiwary, Uma Shanker	Performance Analysis of GANs for De-Noising Images	2023 37th International Conference on Information Technologies, InfoTech 2023 - Proceedings	2023
256	Conference	Payal, Neha; Gurjar, Devendra Singh; Yadav, Suneel; Gour, Radhika	Performance Analysis of Hybrid FSO/RF Empowered V2N Communications with Multiple Relay Units	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2023
257	Conference	Yadav, Suneel; Gour, Radhika; Alexandropoulos, George C.; Gurjar, Devendra S.	Performance Analysis of RIS-Aided Two-Way Communications Under Hardware Impairments and Rayleigh Fading	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2023
258	Conference	Shirke, Rishabh; Agrawal, Anupam	Performance analysis of token- based text augmentation	9th International Conference on Smart Computing and Communications: Intelligent Technologies and Applications, ICSCC 2023	2023
259	Conference	Patel, Yash; Tiwari, Sadhana; Sonbhadra, Sanjay Kumar; Agarwal, Sonali	Predicting Habitable Exoplanets in Different Star- Systems Using Deep Learning Based Anomaly Detection Approach	Proceedings of the International Joint Conference on Neural Networks	2023
260	Conference	Kumar, Shashi Shekhar; Agarwal, Sonali ; Chandra, Ritesh; Kumar, Ashutosh	Predictive Stream Analytics for Threshold based Approach: A Case Study of Temperature Anomaly	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
	Conference	Mondal, Sudeep; Paul, Subhadip; Warbal, Pankaj; Saha, Ratan K. .	of Precise Scanning Radius for Image Reconstruction in Photoacoustic Tomography	IEEE International Ultrasonics Symposium, IUS	2023
262	Conference	Makwana, Priyank; Singh, Satish Kumar; Dubey, Shiv Ram	Resolution Invariant Face Recognition	Lecture Notes in Networks and Systems	2023



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263	Conference	Kumari, Nitu; Agrawal, Sonali	Review on self supervised learning in medical image analysis	2023 IEEE 7th Conference on Information and Communication Technology, CICT 2023	2023
264	Conference	Agarwal, Ananya; Kushwaha, Vandana; Singh, Aditya; Nandi, Gora Chand	Robotic Grasp Prediction for Selective Objects in a Cluttered Environment using Object Centric Masking	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023	2023
265	Conference	Kumar, Ashutosh;	Rule Extraction using Machine Learning Classifiers for Complex Event Processing	International Conference on Electrical Engineering, Computer Science and Informatics (EECSI)	2023
266	Conference	Joshi, Himanshu; Anand, Anshu S. ; Kokila, J.	Secure Firmware Update Architecture for IoT Devices using Blockchain and PUF	iQ-CCHESS 2023 - 2023 IEEE International Conference on Quantum Technologies, Communications, Computing, Hardware and Embedded Systems Security	2023
267	Conference	Singh, Sumit; Tiwary, Uma Shanker	silp_nlp at SemEval-2023 Task 2: Cross-lingual Knowledge Transfer for Mono- lingual Learning	17th International Workshop on Semantic Evaluation, SemEval 2023 - Proceedings of the Workshop	2023
268	Conference	Singh, Tinku; Bhisikar, Siddhant; Satakshi; Kumar, Manish	Stock Market Prediction Using Ensemble Learning and Sentimental Analysis	Lecture Notes in Electrical Engineering	2023
269	Conference	Paigwar, Siddharth; Alam, Junaid; Maity, Soumyadev	Survey on Key Generation for Sharing of Identity Based Encrypted Data	2023 International Conference on Computational Intelligence, Networks and Security, ICCINS 2023	2023
270	Conference	Kalingeri, Ranjith; Kushwaha, Vandana; Kala, Rahul; Nandi, Gora Chand	Synthesis of Human-Inspired Intelligent Fonts Using Conditional-DCGAN	Lecture Notes in Networks and Systems	2023
271	Conference	Warbal, Pankaj; Saha, Ratan K	System matrix approach for attenuation compensation in photoacoustic tomography	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	2023
272	Conference	Kumar, Akhilesh; Singh, Satish Kumar; Dubey, Shiv Ram	Target Detection Using Transformer: A Study Using DETR	Lecture Notes in Networks and Systems	2023
273	Conference	Gupta, Akriti; Chadha, Aman; Kumar, Mayank; Tewari, Vijayshri; Vyas, Ranjana	Using Process Enhancement to Predict Organizational Citizenship Behavior via the Role of Sustainable Training Practices	ACM International Conference Proceeding Series	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Conference	Ojha, Nikhil; Sinha, Indrajeet Kumar; Singh, Krishna Pratap	Variational Autoencoder for Anomaly Detection in Hyperspectral Images	Communications in Computer and Information Science	2023
	Conference	Shukla, Shivam; Singh, Aditya; Kushwaha, Vandana; Nandi, Gora Chand	Semantic Segmentation for Enhanced Robotic Grasping in 3D Space		2023
276	Conference	Agarwal, Ananya; Kushwaha, Vandana; Kala, Rahul; Nandi, Gora Chand	using a Mobile Manipulator for Warehouse Scenarios	2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2023	2023
277	Conference	Nigam, Shivangi; Verma, Shekhar ; Nagabhushan, P.	Object detection accuracy	2023 IEEE 20th India Council International Conference, INDICON 2023	2023
278	Conference	Yang, Ching-Ching; Chu, Wei-Ta; Dubey, Shiv Ram	Weakly-Supervised Deep Image Hashing based on Cross-Modal Transformer	Proceedings of MVA 2023 - 18th International Conference on Machine Vision and Applications	2023
279	Conference	Joshi, Parikshit; Singh, Anshu; Kumar, Shailendra ; Joshi, Garima; Aggarwal, Ankit; Gupta, Sushil Kumar	When Sustainable Development Embraces Blockchain: A Systematic Literature Review	Lecture Notes in Electrical Engineering	2023
280	Conference	Gour, Radhika; Yadav, Suneel; Jaiswal, Neha; Purohit, Neetesh	Relay-Empowered Vehicular	2023 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2023	2023
281	Conference	Kumari, Shruti; Gautam, Anjali ; Basak, Suvramalya; Saxena, Nidhi	Method for Potholes Detection	Proceedings of the 2023 IEEE International Conference on Computer Vision and Machine Intelligence, CVMI 2023	2023
282	Conference	Sengupta, Sarthak; Vaish, Anurika		Technological Ecosystems for Enhancing Multiculturality (TEEM)	2023
283	Conference	Upadhyay, Abha; Maity, S.; Venkatesan, S.	Lightweight Authentication Protocols for IoT Networks	IEEE Pune Section International Conference (PuneCon), Pune, India, 14-16 December, 2023	2023
284	Conference	Kushwaha, Arun Singh; Alam, Junaid; Maity, S.	A Survey on Vehicle Detection, Counting, and Classification	Springer Second International Conference on Advances in Computational Intelligence and Informatics, (ICACII-2023), Hyderabad, Telangana, India-500088, 22nd-23rd December 2023.	2023



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	Conference	Shreyash, Anwesh; Alam, Junaid; Maity, S.	Survey of Attacks, Detection Techniques And Evaluation Metrics in Wireless Sensor Networks	Springer Second International Conference on Advances in Computational Intelligence and Informatics (ICACII-2023), Hyderabad, Telangana, India-500088, 22nd-23rd December 2023.	2023
286	Conference	Upadhyay, Vasudha; Savitri, Joshi	Estimating Change in Hazard Function of Patients with Inoperative Lung Cancer using Hazard Change Point Models	IEEE 7th Conference on Information and Communication Technology CICT 2023	2023
287	Conference	Reddy, Bhanu Prakash; Kumar, Nitish; Kandpal, Kavindra; Goswami, Manish	Multiplexer & Memory Efficient Bit-Reversal Algorithms	IEEE Explore	2023
288	Conference	Hasan, S.M.A.; Singh, A.; Kumar, S.; Goel, U.	Exploring the adoption of Mobile Fantasy Sports Applications Using Technology Acceptance Model and Flow	13th Conference on Excellence in Research and Education (CERE-2021) organized by Indian Institute of Management (IIM) Indore. (ISBN 978-93-90951-68-0) pp. 7.	2023
289	Conference	Maurya, Himanshu; Bhattacharya, Avik; Panigrahi, Rajib Kumar; Dey, Subhadip	Eigenvalue-Eigenvector Based Hybrid Polarimetric SAR Decomposition	IEEE International Geoscience and Remote Sensing Symposium	2023
290	Conference	Kalingeri, R.; Kushwaha, V.; Kala, Rahul; Nandi, Gora Chand	Synthesis of Human-Inspired Intelligent Fonts Using Conditional-DCGAN.	Computer Vision and Machine Intelligence. Lecture Notes in Networks and Systems, vol 586. (2023).Springer, Singapore.	2023
291	Conference	Singh, Aditya; Mohan, Saloni; Kushwaha, Vandana; Nandi, Gora Chand	"MMAG: Mutually Motivated Attention Gates for Simultaneous Extraction of Contextual and Spatial Information from a Monocular Image"	ICVGIP '23: Proceedings of the Fourteenth Indian Conference on Computer Vision, Graphics and Image Processing	2023
292	Conference	Shukla, Shivam; Singh, Aditya; Kushwaha, Vandana; Nandi, Gora Chand	Vision Transformer-enabled Semantic Segmentation for Enhanced Robotic Grasping in 3D Space	2023 IEEE 20th India Council International Conference (INDICON), Hyderabad, India, 2023, pp. 386-391, doi: 10.1109/ INDICON59947.2023.10440774	2023
293	Conference	Agarwal, Ananya; Kushwaha, Vandana; Kala, Rahul ; Nandi Gora Chand	Voice Assisted Pick and Place using a Mobile Manipulator for Warehouse Scenarios	10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Gautam Buddha Nagar, India, 2023, pp. 835-840, doi: 10.1109/ UPCON59197.2023.10434638.	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
294	Conference	Sheikh, Jannik; Melnik, Andrew; Nandi, Gora Chand ; Haschke, Robert	Language-Conditioned Semantic Search-Based Policy for Robotic Manipulation Tasks	Presented and published both as oral and poster paper in the Foundational Models for Decision Making workshop, 37th NeurIPS 2023, New Orleans, USA Dec 10-16, 2023. paper_78.pdf (sslneurips23.github.io)	2023
295	Conference	Melnik, Andrew; Büttner, Michael; Harz, Leon; Brown, Lyon; Nandi, Gora Chand ; PS, Arjun; Yadav, Gaurav Kumar; Kala, Rahul; Haschke, Robert	Technical report:	NeurIPS-2023, Open Vocabulary Mobile Manipulation challenge, New Orleans, Louisiana, USA	2023
296	Journal	Kumar, Dhirendra; Mankali, Lakshmi Likhitha; Misra, Prasanna Kumar ; Goswami, Manish	A 0.7 pJ/bit, 1.5 Gbps Energy-Efficient Image- Based True Random Number Generator	IETE Journal of Research	2023
297	Journal	Burra, Manohar Sai; Maity, Soumyadev	A Distributed and Decentralized Certificateless Framework for Reliable Shared Data Auditing for FOG-CPS Networks	IEEE Access	2023
298	Journal	Malviya, Shrikant; Mishra, Rohit; Barnwal, Santosh Kumar; Tiwary, Uma Shanker	A framework for quality assessment of synthesised speech using learning-based objective evaluation	International Journal of Speech Technology	2023
299	Journal	Mishra, Anshul; Singh, Upendra Pratap; Singh, Krishna Pratap	A lightweight relation network for few-shots classification of hyperspectral images	Neural Computing & Applications	2023
300	Journal	Kumar, Ritesh; Singh, Sunakshi; Chaurasiya, Vijay Kumar	A Low-Cost and Efficient Spatial-Temporal Model for Indoor Localization 'H-LSTMF'	IEEE Sensors Journal	2023
301	Journal	Jana, Gopal Chandra; Praneeth, Mogullapally Sai; Agrawal, Anupam	A Multi-View SVM Approach for Seizure Detection from Single Channel EEG Signals	IETE Journal of Research	2023
302	Journal	Agrawal, V.; Som, T.; Verma, S.		Numerical Algorithms	2023
303	Journal	Jha, Animesh Kumar; Vaish, Abhishek ; Patil, Sairaj	A Novel Framework for Metamorphic Malware Detection	SN Computer Science	2023
304	Journal	Sahoo, Sujit Sangram; Hosmane, Mahesh Mohan; Chaurasiya, Vijay Kumar	A secure payment channel rebalancing model for layer-2 blockchain	Internet of Things (Netherlands)	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
305	Journal	Prabhakar, Amit; Bansal, Ishita; Jaiswar, Ankur; Roy, Nimisha; Verma, Deepti	A simple cost-effective microfluidic platform for rapid synthesis of diverse metal nanoparticles: A novel approach towards fighting SARS-CoV-2	Materials Today: Proceedings	2023
306	Journal	Sengupta, Sarthak; Vaish, Anurika	A study on social media and higher education during the COVID-19 pandemic	Universal Access in the Information Society	2023
307	Journal	Kumar, Manish; Singh, Pramod Kumar; Maurya, Manish Kumar; Shivhare, Anubhav	A survey on event detection approaches for sensor based IoT	Internet of Things (Netherlands)	2023
308	Journal	Sharma, Priya; Singh, Ashutosh Kumar	A survey on RF energy harvesting techniques for lifetime enhancement of wireless sensor networks	Sustainable Computing: Informatics and Systems	2023
309	Journal	Dubey, Shiv Ram; Basha, S. H. Shabbeer; Singh, Satish Kumar; Chaudhuri, Bidyut Baran	Adalnject: Injection-Based Adaptive Gradient Descent Optimizers for Convolutional Neural Networks	IEEE Transactions on Artificial Intelligence	2023
310	Journal	Pal, Aniket; Singh, Krishna Pratap	AdamR-GRUs: Adaptive momentum-based Regularized GRU for HMER problems	Applied Soft Computing	2023
311	Journal	Singh, Tinku; Gupta, Shivam; Satakshi; Kumar, Manish	Adaptive load balancing in cluster computing environment	Journal of Supercomputing	2023
312	Journal	Mishra, K. K.; Singh, Navjot ; Punhani, Akash; Bhatia, Sanjiv	Advanced environmental adaptation method	Applied Intelligence	2023
313	Journal	Raut, Ashwin; Shivhare, Anubhav; Chaurasiya, Vijay Kumar; Kumar, Manish	AEDS-IoT: Adaptive clustering- based Event Detection Scheme for IoT data streams	Internet of Things (Netherlands)	2023
314	Journal	Mishra, Sudhakar; Srinivasan, Narayanan; Asif, Mohammad; Tiwary, Uma Shanker	Affective film dataset from India (AFDI): creation and validation with an Indian sample	Journal of Cultural Cognitive Science	2023
315	Journal	Tripathi, Sandeep; Choudhary, Sudhanshu; Misra, Prasanna Kumar	An 8T PA Attack Resilient NVSRAM for In-Memory- Computing Applications	IEEE Transactions on Circuits and Systems I: Regular Papers	2023
316	Journal	Alluhaidan, Ala Saleh; Pushparaj; Subbappa, Anitha; Mishra, Ved Prakash; Chandrika, P., V; Vaish, Anurika ; Sengupta, Sarthak	An Automatic Threshold Selection Using ALO for Healthcare Duplicate Record Detection with Reciprocal Neuro-Fuzzy Inference System	CMC-Computers Materials & Continua	2023

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317	Journal	Chaudhary, Gyanendra; Brijesh; Lal, Kanhaya; Dhwaz, Amar; Prabhakar, Amit ; Verma, Deepti	An Economical and Eco- Efficient Ammonium Chloride Promoted Friedlander Condensation: A Study of Microwave-Assisted Versus Conventional Heating.	ChemistrySelect	2023
318	Journal	Singh, Jaya; Gimekar, Ashish; Venkatesan, Subramanian	An efficient lightweight authentication scheme for human-centered industrial Internet of Things	International Journal of Communication Systems	2023
319	Journal	Singh, Tinku; Kalra, Riya; Mishra, Suryanshi; Satakshi; Kumar, Manish	An efficient real-time stock prediction exploiting incremental learning and deep learning	Evolving Systems	2023
320	Journal	Sah, Dipak Kumar; Hazra, Abhishek; Mazumdar, Nabajyotii ; Amgoth, Tarachand	An Efficient Routing Awareness Based Scheduling Approach in Energy Harvesting Wireless Sensor Networks	IEEE Sensors Journal	2023
321	Journal	Pandiya, Bhartrihari; Tewari, Vijayshri ; Upadhyay, Chandra Kant	An empirical assessment of antecedents able to attract the prospective talented workforce for information technology industry across borders		2023
322	Journal	Modanwal, Shristi; Mishra, Ashutosh; Mishra, Nidhi	An integrative analysis of GEO data to identify possible therapeutic biomarkers of prostate cancer and targeting potential protein through Zea mays phytochemicals by virtual screening approaches	Journal of Biomolecular Structure and Dynamics	2023
323	Journal	Mishra, Anamika; Mulpuru, Viswajit; Mishra, Nidhi	An Interaction Network Driven	Applied Biochemistry and Biotechnology	2023
324	Journal	Patel, Ashish Singh; Merlino, Giovanni; Puliafito, Antonio; Vyas, Ranjana; Vyas, O. P.; Ojha, Muneendra; Tiwari, Vivek	An NLP-guided ontology development and refinement approach to represent and query visual information	Expert Systems With Applications	2023
325	Journal	Prateek, Kumar; Maity, Soumyadev; Amin, Ruhul	An Unconditionally Secured Privacy-Preserving Authentication Scheme for Smart Metering Infrastructure in Smart Grid	IEEE Transactions on Network Science and Engineering	2023



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326	Journal	Singh, Tinku; Sharma, Nikhil; Satakshi; Manish; Kumar, Manish	Analysis and forecasting of air quality index based on satellite data	Inhalation Toxicology	2023
327	Journal	Singh, Kuldeep; Abraham, Rebecca; Yadav, Jitendra; Agrawal, Amit Kumar; Kolar, Prasanna; Misra, Madhvendra ; Yadav, Avikshit	Analysis of barriers for sustainable agro-food supply chain: an interpretive structural modeling and MICMAC approach	Environment, Development and Sustainability	2023
328	Journal	Srivastava, Harsh; Verma, S. hikha; Pant, Triloki	Analysis of the effect of COVID-19 lockdown on air pollutants using multisource pollution data and meteorological variables for the state of Uttar Pradesh, India	Mausam	2023
329	Journal	Verma, Manuj; Priyadarshi, Amit; Verma, S.	Analytical and dimensional properties of fractal interpolation functions on the Sierpinski gasket	Fractional Calculus and Applied Analysis	2023
330	Journal	Singh, Akanksha; Soni, Unnati; Varadwaj, Pritish Kumar ; Misra, Krishna ; Rizvi, Syed Ibrahim	Anti-inflammatory effect of curcumin in an accelerated senescence model of Wistar rat: an in vivo and in-silico study	Journal of Biomolecular Structure and Dynamics	2023
331	Journal	Kumar, Rajnish; Mondal, Rajkrishna; Lahiri, Tapobrata ; Pal, Manoj Kumar	Application of sequence semantic and integrated cellular geography approach to study alternative biogenesis of exonic circular RNA	BMC Bioinformatics	2023
332	Journal	Verma, Nidhi; Mishra, Pooja; Purohit, Neetesh; Jain, Sourabh	Applications of Bistatic Mini-RF SAR Data for Characterization of the Erlanger Crater	Journal of the Indian Society of Remote Sensing	2023
333	Journal	Srivastava, Anushree; Azad, Shivesh Kumar; Singh, Kavita; Prasad, Bablu; Kumari, Madhu; Nandan; Sahoo, Amresh Kumar ; Dave, Hemen; Maurya, Deepak M.; Singh, Deepak; Prasad, Kumar Suranjit	Arsenite and arsenate ions adsorption onto a biogenic nano-iron entrapped dual network Fe@alginate-ĸ-carrageenan hydrogel beads	Nanotechnology for Environmental Engineering	2023
334	Journal	Tiwari, Vineet ; Garg, Amit; Kapshe, Manmohan; Deshpande, Aashish; Vishwanathan, Saritha	Assessing possibilities for coal continuance in India under climate constraints	International Journal of Greenhouse Gas Control	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
335	Journal	Singh, Akshita; Kumar, Shailendra ; Goel, Utkarsh ; Johri, Amar	Behavioural biases in real estate investment: a literature review and future research agenda	Humanities & Social Sciences Communications	2023
336	Journal	Chandra, Subhash; Abbas, Syed; Verma, S.	Bernstein super fractal interpolation function for countable data systems	Numerical Algorithms	2023
337	Journal	, , ,	Bi2Te2Se and Sb2Te3 heterostructure based photodetectors with high responsivity and broadband photoresponse: experimental and theoretical analysis	Physical Chemistry Chemical Physics	2023
338	Journal	Pandey, Sandeep; Pathak, Mayank; Karakoti, Manoj; Tatrari, Gaurav; Boddepalli, SanthiBhushan ; Dhapola, Pawan Singh; Dhali, Sunil; Srivastava, Anurag; Rana, Sravendra; Sahoo, Nanda Gopal	Binder-Free Supercapacitors Based on Thin Films of MWCNT/GO Nanohybrids: Computational and Experimental Analysis	Catalysts	2023
339	Journal		Blockchain and IoT Based Infrastructure for Secure Smart City Using Deep Learning Algorithm with Dingo Optimization	Wireless Personal Communications	2023
340	Journal	Mundhe, Pravin; Phad, Pooja; Yuvaraj, R.; Verma, Shekhar; Venkatesan, S.	Blockchain-based conditional privacy-preserving authentication scheme in VANETs	Multimedia Tools and Applications	2023
341	Journal	Gautam, Anjali ; Raman, Bala Subramanian	Brain strokes classification by extracting quantum information from CT scans	Multimedia Tools And Applications	2023
342	Journal	Jana, Gopal Chandra; Swami, Keshav; Agrawal, Anupam	Capsule neural network based approach for subject specific and cross-subjects seizure detection from EEG signals	Multimedia Tools and Applications	2023
	Journal	-	Carbon nanomaterial-based composites as an active layer for optoelectronic device application: a comparative study	Journal of Materials Science- Materials in Electronics	2023
344	Journal	Maurya, Rinki; Prakash, Surya ; Singh, Ashutosh Kumar	Challenges, Configuration, Control, and Scope of DC Microgrid Systems: A Review	Journal of Electrical Engineering and Technology	2023



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345	Journal		Collusion-resistant and privacy-preserving data sharing scheme on outsourced data in e-healthcare system		2023
346	Journal	Chatterjee, S.; Sanjeev, B. S.	Community detection in Epstein-Barr virus associated carcinomas and role of tyrosine kinase in etiological mechanisms for oncogenesis	Microbial Pathogenesis	2023
347	Journal	Arosh, Sirshendu; Ghosh, Kuntal; Dheer, Dharmendra Kumar: Prakash, Surya .	Composite Imagery-Based Non-Uniform Illumination Sensing for System Health Monitoring of Solar Power Plants	Journal of Solar Energy Engineering-Transactions of the ASME	2023
348	Journal	Bali, Varun; Khajuria, Yugal; Sharma, Jitendra; Rai, Pradeep K.; Gondal, M. A.; Kumar, Upendra ; Singh, Vivek K.	Compositional and Morphological Studies of Kidney and Gallbladder Stones from Fundamentals to Advanced Level using SEM-EDS Technique: A Short Review	Arabian Journal for Science and Engineering	2023
349	Journal	Srinivas, Sandhyala Naga Sai; Sharma, Minakshi; Yadav, Varsha; Kumar, Upendra	Comprehensive study of CsGeBr3 perovskite: optical, electronic, and thermoelectric properties	Emergent Materials	2023
350	Journal	Khan, Tahmeena; Zehra, Saima; Fatima, Umama; Mishra, Nidhi ; Lawrence, Rubina; Maurya, Akhilesh; Singh, Shraddha; Jeyakumar, Ebenezer; Raza, Saman	Computational Drug Designing, Synthesis, Characterization and Anti- bacterial Activity Evaluation of Some Mixed Ligand–Metal Complexes of 2-hydroxy benzalde hydethiosemi carbazone as Primary Ligand	Chemistry Africa	2023
351	Journal	Kumar, Ankit; Shukla, Priya; Kushwaha, Vandana; Nandi, Gora Chand	Context-aware 6 D pose estimation of known objects using RGB-D data	Multimedia Tools and Applications	2023
352	Journal	Behera, Adarsh Prasad; Rani, Puja; Verma, Shekhar ; Kumar, Manish	Curvature Regularized Similarity Based Ricci Flow Embedding	IEEE Transactions on Emerging Topics in Computational Intelligence	2023
	Journal	Agarwal, Suman; Singh, Ranjit	Customers' Perception Towards Accountability of Diagnostic Centres: Evidence from India	Journal of Multidisciplinary Healthcare	2023
354	Journal	Sen, Snigdha; Singh, Krishna Pratap; Chakraborty, Pavan	Dealing with imbalanced regression problem for large dataset using scalable Artificial Neural Network	New Astronomy	2023

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355	Journal	Gautam, Anjali ; Rana, Divyesh; Aggarwal, Saksham; Bhosle, Swaraj; Sharma, Hritik	to automatically recognise	Multimedia Tools and Applications	2023
356	Journal	Mondal, Sudeep; Paul, Subhadip; Singh, Navjot; Saha, Ratan K.	Deep learning on photoacoustic tomography to remove image distortion due to inaccurate measurement of the scanning radius	Biomedical Optics Express	2023
357	Journal	Singh, Sanjai; Singh,	Design and Analysis of Double CDRA with Extended Wideband Characteristics for C- and X-Band Applications	IETE Journal of Research	2023
358	Journal	Rao, Konudula Anjali; Kumar, Abhishek; Kaplun, Dmitrii; Patel, Sujit Kumar; Purohit, Neetesh	Design of low complexity parallel polyphase finite impulse response filter using coefficient symmetry	IET Circuits, Devices and Systems	2023
359	Journal	Yadav, Gaurav Kumar; Puig, Domenec; Nandi, Gora Chand	Designing an adaptive cost function for dynamic human pose predictions	Multimedia Tools and Applications	2023
360	Journal	Mondal, Rajat Kumar; Sen, Debarup; Arya, Ankish; Samanta, Sintu Kumar	Developing anti-microbial peptide database version 1 to provide comprehensive and exhaustive resource of manually curated AMPs	Scientific Reports	2023
361	Journal	Sharma, Anju; Kumar, Rajnish; Varadwaj, Pritish Kumar	Developing human olfactory network and exploring olfactory receptor-odorant interaction	Journal of Biomolecular Structure and Dynamics	2023
362	Journal	Modanwal, Shristi; Maurya, Akhilesh Kumar; Mishra, Saurav Kumar; Mishra, Nidhi	Development of QSAR model using machine learning and molecular docking study of polyphenol derivatives against obesity as pancreatic lipase inhibitor	Journal of Biomolecular Structure & Dynamics	2023
363	Journal	Shukla, Priya; Kushwaha, Vandana; Nandi, Gora Chand	Development of a robust cascaded architecture for intelligent robot grasping using limited labelled data	Machine Vision and Applications	2023
364	Journal	Gupta, Shekhar; Yadav, Gaurav Kumar; Nandi, Gora Chand	prediction strategy using inception residual block		2023
365	Journal	Agrawal, Ekta; Verma, S.	Dimensional study of COVID-19 via fractal functions		2023



S. No.	Type (Journal/ Book/ Conference/	Author(s)	Paper Title	Journal/Conference Name	Year
	etc.) Journal	Pingali, M. Shivapriya; Singh, Anirudh; Singh, Vishal; Sahoo, Amaresh Kumar; Varadwaj, Pritish Kumar; Samanta, Sintu Kumar	Docking and molecular dynamics simulation for therapeutic repurposing in small cell lung cancer (SCLC) patients infected with COVID-19	Journal of Biomolecular Structure & Dynamics	2023
367	Journal	Bisen, Tejasvee; Javed, Mohammed; Kirtania, Shashank; Nagabhushan, P.		Pattern Analysis and Applications	2023
368	Journal	Jafri, S. M. Haider; Kala, Rahul	Dynamic Head-on Robot Collision Avoidance Using LSTM	Neural Processing Letters	2023
369	Journal	Tyagi, Pankaj; Semwal, Rahul; Sharma, Anju; Tiwary, Uma Shanker; Varadwaj, Pritish Kumar	E-nose: a low-cost fruit ripeness monitoring system	Journal of Agricultural Engineering	2023
370	Journal	Bharadwaj, Shiv; Sahoo, Amaresh Kumar ; Yadava, Umesh	Editorial: Advances in the therapeutic targeting of human matrix metalloproteinases in health and disease	Frontiers in Molecular Biosciences	2023
371	Journal	Gupta, Neelesh; Verma, Rekha	Effect of electron-phonon coupling on transport properties of monolayer germanene: A thermoelectric perspective	Materials Science in Semiconductor Processing	2023
372	Journal	Yadav, Gaurav Kumar; Vidales, Benigno Moreno; Rashwan, Hatem A.; Oliver, Joan; Puig, Domenec; Nandi, Gora Chand ; Abdel-Nasser, Mohamed	Effective ML-based quality of life prediction approach for dependent people in guardianship entities	Alexandria Engineering Journal	2023
373	Journal	Maurya, Chanchal; Chaurasiya, Vijay Kumar	Efficient Anonymous Batch Authentication Scheme With Conditional Privacy in the Internet of Vehicles (IoV) Applications	IEEE Transactions on Intelligent Transportation Systems	2023
374	Journal	Bali, Varun; Khajuria, Yugal; Manyar, Vidit; Rai, Pradeep K.; Kumar, Upendra ; Ghany, Charles; Tripathi, Shipra; Singh, Vivek K.	Elemental studies and mapping of cholesterol and pigment gallstones using scanning electron microscopy–energy dispersive spectroscopy	X-Ray Spectrometry	2023
375	Journal	Karnam, Naveen Kumar; Turlapaty, Anish Chand; Dubey, Shiv Ram ; Gokaraju, Balakrishna	EMAHA-DB1: A New Upper Limb sEMG Dataset for Classification of Activities of Daily Living	IEEE Transactions on Instrumentation and Measurement	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Journal	Asif, Mohammad; Mishra, Sudhakar; Vinodbhai, MajithiaTejas; Tiwary, Uma Shanker	Emotion Recognition Using Temporally Localized Emotional Events in EEG With Naturalistic Context: DENS# Dataset	IEEE Access	2023
	Journal	Tiwari, Sadhana; Agarwal, Sonali	Empirical analysis of chronic disease dataset for multiclass classification using optimal feature selection based hybrid model with spark streaming	Future Generation Computer Systems-The International Journal of Escience	2023
378	Journal	Tolani, Manoj; Bajpai, Ambar; Balodi, Arun; Sunny; Singh, Rajat Kumar	Energy-Efficient Duty-Cycle Hybrid Medium Access Control Protocol for Wireless Sensor Network	Wireless Personal Communications	2023
379	Journal	Singh, Yogendra; Tiwari, Anand Kumar	Enumeration of doubly semi- equivelar maps on the Klein bottle	Indian Journal of Pure and Applied Mathematics	2023
380	Journal	Choudhary, Princy; Singh, Tanu; Amod, Ayush; Singh, Sangeeta	Evaluation of phytoconstituents of Tinospora cordifolia against K417N and N501Y mutant spike glycoprotein and main protease of SARS-CoV-2-an in silico study		2023
381	Journal	Shivhare, Anubhav; Singh, Vishal Krishna; Kumar, Manish	Event detection using the user context in sensor based IoT	Wireless Networks	2023
382	Journal	Vishnubhotla, Vaishnavi; Mahapatra, Santanu; Bhattacharya, Sitangshu	Excitonic properties of clustered- P1 borophene	Physical Review B	2023
383		Dubey, Amit; Alawi, Maha M.; Alandijany, Thamir A.; Alsaady, Isra M.;	Derived Natural Compounds against Monkeypox Virus as Viral Core Cysteine Proteinase	Viruses-Basel	2023
	Journal	Singh, Akanksha; 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	and Dynamics	2023
385	Journal	Johri, Amar; Kumar, Shailendra	Exploring Customer Awareness towards Their Cyber Security in the Kingdom of Saudi Arabia: A Study in the Era of Banking Digital Transformation	Human Behavior and Emerging Technologies	2023



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386	Journal	Nidhi	Exploring the mechanism of action of podophyllotoxin derivatives through molecular docking, molecular dynamics simulation and MM/PBSA studies	Journal of Biomolecular Structure & Dynamics	2023
	Journal		FastSS: Fast and smooth segmentation of JPEG compressed printed text documents using DC and AC signal analysis	Multimedia Tools and Applications	2023
388	Journal	Gogoi, Ankur; Ghoshal, Bibhas ; Manna, Kanchan	Fault-aware routing approach for mesh-based Network-on-Chip architecture	Integration-The VLSI Journal	2023
389	Journal	Gupta, Harshit; Agarwal, Piyush; Gupta, Kartik; Baliarsingh, Suhana; Vyas, O. P. ; Puliafito, Antonio	FedGrid: A Secure Framework with Federated Learning for Energy Optimization in the Smart Grid	Energies	2023
390	Journal	Viswajit; Mishra, Nidhi; Sahoo, Amaresh Kumar; Samanta, Sintu Kumar	Finding Novel AMPs Secreted from the Human Microbiome as Potent Antibacterial and Antibiofilm Agents and Studying Their Synergistic Activity with Ag NCs	ACS Applied Bio Materials	2023
391	Journal	Kaur, Anandpreet; Srivastav, Pravin; Ghoshal, Bibhas	Flipping Bits Like a Pro: Precise Rowhammering on Embedded Devices	IEEE Embedded Systems Letters	2023
392	Journal	Prasad, S. A.; Verma, S.	Fractal interpolation function on products of the Sierpinski gaskets	Chaos Solitons & Fractals	2023
393	Journal	Tripathi, Ravi Pratap; Singh, Ashutosh Kumar;	Fractional order adaptive Kalman filter for sensorless speed control of DC motor	International Journal of Electronics	2023
394	Journal	Mishra, Vikash Kumar;	GDF: A Novel Image Fusion Approach for Compelling Depiction of Earthly Features	Journal of Sensors	2023
395	Journal	Kushwaha, Vandana; Shukla, Priya; Nandi, Gora Chand	Generating quality grasp rectangle using Pix2Pix GAN for intelligent robot grasping	Machine Vision and Applications	2023
396	Journal		Handling catastrophic forgetting using cross-domain order in incremental deep learning	Journal of Electronic Imaging	2023

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397	Journal	Kakkar, Manik; Patil, Jagruti M.; Trivedi, Vishwas; Yadav, Anushka; Saha, Ratan K ; Rao, Shilpa; Vazhayil, Vikas; Pandya, Hardik J.; Mahadevan, Anita; Shekhar, Himanshu; Mercado-Shekhar, Karla P.	differentiating glioblastoma from normal brain: Simulations and ex vivo studies for applications in intra-operative tumor identification	Journal of the Acoustical Society of America	2023
398	Journal	Soni, Unnati; Singh, Anirudh; Soni, Ramendra; Samanta, Sintu Kumar; Varadwaj, Pritish Kumar; Misra, Krishna	Identification of candidate target genes of oral squamous cell carcinoma using high-throughput RNA-Seq data and in silico studies of their interaction with naturally occurring bioactive compounds	Journal of Biomolecular Structure and Dynamics	2023
399		Modanwal, Shristi; Mishra, Nidhi	Identification of common genes in obesity and cancer through network interaction and targeting those genes by virtual screening approach	Journal of Biomolecular Structure & Dynamics	2023
400		Pingali, M. Shivapriya; Singh, Anirudh; Anurag Anand, Ananya; Gupta, Sachin Kumar; Sahoo, Amaresh Kumar; Varadwaj, Pritish Kumar; Samanta, Sintu Kumar	Identification of naturally occurring compounds as alternatives to radiation therapy for treatment of small cell lung cancer: Natural alternatives to radiation therapy for SCLC	Journal of Biomolecular Structure and Dynamics	2023
401	Journal		IDPpred: a new sequence- based predictor for identification of intrinsically disordered protein with enhanced accuracy	Journal of Biomolecular Structure and Dynamics	2023
402	Journal	Mishra, Vikash Kumar; Chaudhary, Prince Kumar; Pant, Triloki		Multimedia Tools and Applications	2023
403		Shankar, Shardul; Tewari, Vijayshri	Impact of Collective Intelligence and Collective Emotional Intelligence on the Psychological Safety of the Organizations	Vision	2023
404	Journal	Das, Jyoti Prakash; Kumar, Shailendra	Impact of corporate hedging practices on firm's value: An empirical evidence from Indian MNCs	Risk Management-An International Journal	2023



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	Journal	Jaiswal, Saurabh; Goswami, Rupam; Goswami, Manish; Kandpal, Kavindra	Impact of Interface Trap Distribution on the Performance of LTPS TFT	Silicon	2023
406	Journal	Yadav, Gaurav Kumar; Abdel-Nasser, Mohamed; Rashwan, Hatem A.; Puig, Domenec; Nandi, Gora Chand	Implicit regularization of a deep augmented neural network model for human motion prediction	Applied Intelligence	2023
407	Journal	Singh, Tinku; Khanna, Riya; Satakshi; Kumar, Manish	Improved multi-class classification approach for imbalanced big data on spark	Journal of Supercomputing	2023
408	Journal	Mahaur, Bharat; Mishra, K. K.; Singh, Navjot	Improved Residual Network based on norm-preservation for visual recognition	Neural Networks	2023
409	Journal	Singh, Atul Kumar; Choudhary, Princy; Singh, Sangeeta; Kumar, Shashank	In silico identification of potential γ-secretase inhibitor of marine-algal origin: an anticancer intervention	Molecular Simulation	2023
410	Journal	Singh, Vishal; Verma, Suman; Fatima, Fiza; Samanta, Sintu Kumar; Varadwaj, Pritish Kumar; Sahoo, Amaresh Kumar	In Silico Study of a Small Bioactive Molecule Targeting Topoisomerase II and P53- MDM2 Complex in Triple- Negative Breast Cancer	ACS Omega	2023
411	Journal	Chaudhury, Soumit S.; Awasthi, Seema; Singh, Rajat K.	Independent Control Over Passbands in Highly Selective and Compact Triple-Band Bandpass Filter Based on Substrate Integrated Waveguide	Progress in Electromagnetics Research B	2023
412	Journal	Amanue, Asfha; Vaish, Abhishek	Information Security Risk Analysis in Food Processing Industry Using a Fuzzy Inference System	Informatics and Automation	2023
413	Journal	Atta, Avik; Gupta, Ayushi; Choudhary, Princy; Dwivedi, Shrey; Singh, Sangeeta	Inhibition of LINGO1 as a therapeutic target to promote axonal regeneration and repair for neurological disorders		2023
		Agarwal, Vidhu; Yadav, Tara Chand; Tiwari, Akhilesh; Varadwaj, Pritish Kumar	Insights into structure and activity relationship of clinically mutated PER1 and PER2 class A β-lactamase enzymes	Journal of Biomolecular Structure & Dynamics	2023
415		Kumar, D.; Tiwari, Akhilesh ; Agarwal, V.; Srivastava, K.	Investigation of atmospheric water vapour condensation and characteristic analysis as potable water	International Journal of Environmental Science and Technology	2023

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416	Journal	Gupta, Arti; Maurya, Manish Kumar; Goyal, Nikhil; Chaurasiya, Vijay Kumar	ISTGCN: Integrated spatio- temporal modeling for traffic prediction using traffic graph convolution network	Applied Intelligence	2023
417	Journal	Gour, Radhika ; Tyagi, Anshul	Joint uplink-downlink resource allocation for energy efficient D2D underlaying cellular networks with many-to-one matching	Physical Communication	2023
418	Journal	Bin Abu Baker, Abdullah ; Botelho, Fernanda	Kakutani?s automorphism theorem for vector-valued bounded holomorphic functions	Journal of Mathematical Analysis and Applications	2023
419	Journal	Kumar, Surendra; Gautam, Vidushi; Singh, Abhishek Kumar; Maurya, Gyanendra Kumar; Singh, Sanjai ; Kumar, Pramod	Heterojunction Low-Powered	IEEE Transactions on Electron Devices	2023
420	Journal	Yadav, Rohit; Pani, Vishal; Mishra, Arpit; Tiwari, Naman; Kala, Rahul	Locality-constrained continuous place recognition for SLAM in extreme conditions	Applied Intelligence	2023
421	Journal	Yadav, Rakesh Kumar; Abhishek; Verma, Abhishek; Shukla, Prashant; Verma, Katyayani; Verma, Shekhar	Low-rank GAT: toward robust quantification of neighborhood influence	Neural Computing & Applications	2023
422	Journal	Singh, Suyash Kumar; Yadav, Amar Nath	Machine Learning Approach in Optimal Localization of Tumor Using a Novel SIW-Based Antenna for Improvement of Ablation Zone in Hepatocellular Carcinoma	IEEE Access	2023
423	Journal	Kumar, Rakesh; Ghoshal, Bibhas	Machine learning guided thermal management of Open Computing Language applications on CPU-GPU based embedded platforms	IET Computers And Digital Techniques	2023
424	Journal	Tariq, Mohammad; Shivalkar, Saurabh; Hasan, Hammad; Sahoo, Amaresh Kumar ; Sk, Md Palashuddin	Manganese Doping in Biomass Derived Carbon Dots Amplifies White Light-Induced Antibacterial Activity	ACS Omega	2023
425	Journal	Dsa, Joyline; Bekal, Anush; Goswami, Manish	Microfabrication and Characterization of Chemically Actuated Implantable PLGA Reservoir-based Device for Controlled Drug Delivery	IETE Journal of Research	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Journal		Elemental Imaging of Renal Stones by Scanning Electron Microscopy–Energy-Dispersive X-ray Spectroscopy	Brazilian Journal of Physics	2023
427	Journal	Pawar, S. J.	synthesis of magnesium oxide nanoflakes via green chemistry approach using Ficus Racemosa leaf extract: characterization and antibacterial activity	Journal of the Korean Ceramic Society	2023
428	Journal	Kala, Rahul	Mission planning on preference-based expression trees using heuristics-assisted evolutionary computation	Applied Soft Computing	2023
429	Journal	Mishra, Nayaneesh Kumar; Kumar, Sumit; Singh, Satish Kumar	MmLwThV framework: A masked face periocular recognition system using thermo-visible fusion	Applied Intelligence	2023
430	Journal	Chauhan, Hemant; Jain, Neha; Rawat, Sohan Singh; Misra, Saurabh	Modelling the determinants of consumers' intentions to use online sharing economy platforms	International Journal of Business Information Systems	2023
431	Journal	Shukla, Richa; Pahal, Sonu; Gupta, Ayushi; Choudhary, Princy; Misra, Krishna; Singh, Sangeeta	·	Journal of Biomolecular Structure & Dynamics	2023
432	Journal	Ranjana; Vyas, O. P.; Ojha, Muneendra; Tiwari,	Motion-compensated online object tracking for activity detection and crowd behavior analysis	Visual Computer	2023
433	Journal	Mishra, Rohit; Malviya, Shrikant; Singh, Sumit; Singh, Varsha; Tiwary, Uma Shanker	Multi-attribute decision making application using hybridly modelled Gaussian Interval Type-2 Fuzzy sets with uncertain mean	Multimedia Tools and Applications	2023
434	Journal	Sanchit; Singh, Navjot; Singh, Jagpreet	Multiobjective Approach to Schedule DAG Tasks on Voltage Frequency Islands	IEEE Access	2023
435	Journal	Kumar, Mayank; Mishra, Ashutosh	Multiphysics Analysis of Reversible Electroporation and Electrodeformation of Cervical Cells Using a Nanosecond Pulse Generator	IEEE Transactions on Plasma Science	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
436	Journal	Mishra, Suryanshi; Singh, Tinku; Kumar, Manish ; Satakshi	Multivariate time series short term forecasting using cumulative data of coronavirus	Evolving Systems	2023
437	Journal	Singh, Shilpi; Maurya, Akhilesh Kumar; Meena, Abha; Mishra, Nidhi ; Luqman, Suaib	Myricetin 3-rhamnoside retards the proliferation of hormone-independent breast cancer cells by targeting hyaluronidase	Current Science	2023
438	Journal	Singh, Shilpi; Maurya, Akhilesh Kumar; Meena, Abha; Mishra, Nidhi ; Luqman, Suaib	Myricitrin from bayberry as a potential inhibitor of cathepsin-D: Prospects for squamous lung carcinoma prevention	Food and Chemical Toxicology	2023
439	Journal	Shivalkar, Saurabh; Chowdhary, Pallabi; Afshan, Tayyaba; Chaudhary, Shrutika; Roy, Anwesha; Samanta, Sintu Kumar; Sahoo, Amaresh Kumar		Colloids and Surfaces B-Biointerfaces	2023
440	Journal	Singh, Shilpi; Maurya, Akhilesh Kumar; Meena, Abha; Mishra, Nidhi ; Luqman, Suaib	Narirutin downregulates lipoxygenase-5 expression and induces GO/G1 arrest in triple- negative breast carcinoma cells	Biochimica ET Biophysica Acta- General Subjects	2023
441	Journal	Singh, Shilpi; Maurya, Akhilesh Kumar; Meena, Abha; Mishra, Nidhi ; Luqman, Suaib	Narirutin. A flavonoid found in citrus fruits modulates cell cycle phases and inhibits the proliferation of hormone-refractory prostate cancer cells by targeting hyaluronidase	Food and Chemical Toxicology	2023
442	Journal	Mishra, Anamika; Maurya, Santosh Kumar; Singh, Anirudh; Siddique, Hifzur; Samanta, Sintu Kumar; Mishra, Nidhi	Neolamarckiacadamba (Roxb.) Bosser (Rubiaceae) extracts:	Medical Oncology	2023
443	Journal	Kumari, Ekta; Shukla, Mahendra K.; Pandey, Om Jee; Yadav, Suneel	NeuroAid: Emotion-Based EEG Analysis for Parkinson's Disease Identification	IEEE Sensors Letters	2023
444	Journal	Navascues, M. A.; Verma, S.	Non-Stationary a-Fractal Surfaces	Mediterranean Journal of Mathematics	2023
445	Journal	Singh, Suyash Kumar; Yadav, Amar Nath	•	International Journal for Numerical Methods in Biomedical Engineering	2023



S. No.	Alithor(c)		Paper Title	Journal/Conference Name	Year
446	Journal	Tiwari, Akhilesh	Numerical Analysis of Coronavirus Detection Using Photonic Crystal Fibre-Based SPR Sensor	Plasmonics	2023
447	Journal	Kumar, Sumit; Singh, Satish Kumar; Peer, Peter	Occluded thermal face recognition using BoCNN and radial derivative Gaussian feature descriptor	Image and Vision Computing	2023
448	Journal	Lalwani, Suraj Kumar; Debnath, Ajit; Gupta, Vyom Kumar; Sunny	On optimization of electrospun SnO2-ZnO nanofibers for low concentration ethanol sensing	Journal of Materials Science- Materials in Electronics	2023
449	Journal	Yadava, Ashutosh K.; Yadav, Suneel; Pandey, Anshul; Silvac, Adao	On the secrecy performance of RIS-enabled wireless communications over Nakagami-m fading channels	ICT Express	2023
450	Journal	Patel, Ashish Singh; Tiwari, Vivek; Ojha, Muneendra ; Vyas, O. P.	Ontology-based detection and identification of complex event of illegal parking using SPARQL and description logic queries	Chaos Solitons & Fractals	2023
451	Journal	Yadav, Ashok; Kumar, Atul; Singh, Vrijendra	Open-source intelligence: a comprehensive review of the current state, applications and future perspectives in cyber security	Artificial Intelligence Review	2023
452	Journal	Jaiswal, Shruti; Nandi, Gora Chand	Optimized, robust, real-time emotion prediction for human- robot interactions using deep learning	Multimedia Tools and Applications	2023
453	Journal	Chatterjee, S.; Sanjeev, B. S.	Over-representation analysis of angiogenic factors in immunosuppressive mechanisms in neoplasms and neurological conditions during COVID-19	Microbial Pathogenesis	2023
454	Journal	Yadav, Vijay Kumar; Andola, Nitish; Verma, Shekhar ; Venkatesan, S.	P2LBS: Privacy Provisioning in Location-Based Services	IEEE Transactions on Services Computing	2023
455	Journal	Abhishek; Yadav, Rakesh Kumar; Verma, Shekhar	Parzen Window Approximation on Riemannian Manifold	Pattern Recognition	2023
456	Journal	Rastogi, Ashutosh; Yadav, Suneel ; Gour, Radhika ; Gurjar, Devendra S.			2023
457	Journal	Warbal, Pankaj; Saha, Ratan K. .	Photoacoustic tomography with a model-based approach involving realistic detector properties	Results in Optics	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
458	Journal	Jaiswal, Neha; Pandey, Anshul; Yadav, Suneel ; Purohit, Neetesh ; Gurjar, Devendra Singh	Physical Layer Security Performance of NOMA-Aided Vehicular Communications Over Nakagami-m Time- Selective Fading Channels with Channel Estimation Errors	IEEE Open Journal of Vehicular Technology	2023
459	Journal	Jaiswal, Neha; Pandey, Anshul; Yadav, Suneel ; Purohit, Neetesh	Physical layer security performance of NOMA-assisted vehicular communication systems over double-Rayleigh fading channels	Physical Communication	2023
460	Journal	Biswas, Dipak; Somkuwar, Bharat Gopalrao; Borah, Jagat Chandra; Varadwaj, Pritish Kumar; Gupta, Saurabh; Khan, Zeeshan Ahmad; Mondal, Gopinath; Chattoraj, Asamanja; Deb, Lokesh	Phytochemical mediated modulation of COX-3 and NF?B for the management and treatment of arthritis	Scientific Reports	2023
461	Journal	Khan, Mohammed Saquib; Boddepalli, SanthiBhushan; Bhamu, Kailash Chandra; Kang, Sung Gu; Kushwaha, Himmat Singh; Sharma, Atul; Dhiman, Rajnish; Gupta, Ragini; Banerjee, Malay Kumar; Sachdev, Kanupriya	Polymer hydrogel based quasi-solid-state sodiumion supercapacitor with 2.5 V wide operating potential window and high energy density	Applied Surface Science	2023
462	Journal	Mantri, Aditya; Singh, Navjot ; Kumar, Krishan; Dahiya, Sanjay	Pre-Encryption and Identification (PEI): An Anticrypto Ransomware Technique	IETE Journal of Research	2023
463	Journal	Raghav; Andola, Nitish; Venkatesan, S.; Verma, Shekhar	Privacy-preserving cloud data sharing for healthcare systems with hybrid blockchain	_	2023
464	Journal	Raghav; Andola, Nitish; Verma, Katyayani; Venkatesan, S.; Verma, Shekhar	Proactive threshold-proxy re- encryption scheme for secure data sharing on cloud	Journal of Supercomputing	2023
465	Journal	Singh, Roshani; Maurya, Gyanendra Kumar; Gautam, Vidushi; Kumar, Rachana; Kumar, Mahesh; Suresh, K. G.; Panigrahi, Brahmaranjan; Murapaka, Chandrasekhar; Haldar, Arbinda; Kumar, Pramod	Proximity induced band gap opening in topological-magnetic heterostructure (Ni80Fe20/p-TlBiSe2/p-Si) under ambient condition	Scientific Reports	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
466	Journal	Yadav, Vijay Kumar; Andola, Nitish; Verma, Shekhar ; Venkatesan, S.	PSCLS: provably secure certificateless signature scheme for IoT device on cloud		2023
467	Journal	Gupta, Arti; Chaurasiya, Vijay Kumar	QoS supported redundancy balanced data transmission scheme for wireless body area network based H-IoT	Wireless Networks	2023
468	Journal	Prateek, Kumar; Ojha, Nitish Kumar; Altaf, Fahiem; Maity, Soumyadev	Quantum secured 6G technology-based applications in Internet of Everything	Telecommunication Systems	2023
469	Journal	Kumar, Ritesh; Kori, Nikhil; Chaurasiya, Vijay Kumar	Real-time data sharing, path planning and route optimization in urban traffic management	Multimedia Tools and Applications	2023
470	Journal	Singh, Tinku; Rajput, Vinarm; Satakshi; Prasad, Umesh; Kumar, Manish	Real-time traffic light violations using distributed streaming	Journal of Supercomputing	2023
471	Journal	Gautam, Anjali	Recent advancements of deep learning in detecting breast cancer: a survey	Multimedia Systems	2023
472	Journal	Singh, Vishal; Afshan, Tayyaba; Tyagi, Pankaj; Varadwaj, Pritish Kumar; Sahoo, Amaresh Kumar	Recent development of multi- targeted inhibitors of human topoisomerase II enzyme as potent cancer therapeutics	International Journal of Biological Macromolecules	2023
473	Journal	Yadav, Jitendra; Yadav, Avikshit; Misra, Madhvendra ; Zhou, Jianlong; Rana, Nripendra P.	Role of Social Media in Technology Adoption for Sustainable Agriculture Practices: Evidence from Twitter Analytics	Communications of the Association for Information Systems	2023
474	Journal	Kumar, Ritesh; Mishra, Yogesh Chandra; Chaurasiya, Vijay Kumar	Route Planning Using Multicasting Approach in Vehicular Ad Hoc Networks	Wireless Personal Communications	2023
475	Journal	Kumar, Upendra; Jatiya, Manisha; Carrasco, Marcos Flores	Scaling studies of temperature dependence of electric conductivity and electric modulus spectra of solid solution Sr2-xLaxSnO4 (x ≤ 0.10) Ruddlesden Popper Oxide	Materials Research Bulletin	2023
476	Journal	Singh, Varsha; Agrawal, Prakhar; Tiwary, Uma Shanker	Scene description with context information using dense-LSTM		2023
477	Journal	Gupta, Daya Sagar; Mazumdar, Nabajyotii ; Nag, Amitava; Singh, Jyoti Prakash	Secure data authentication and access control protocol for industrial healthcare system	Journal of Ambient Intelligence and Humanized Computing	2023

S. No.	Author(s)		Paper Title	Journal/Conference Name	Year
478	Journal	Bisen, Tejasvee; Javed, Mohammed ; Nagabhushan, P. ; Watanabe, Osamu	Segmentation-Less Extraction of Text and Non-Text Regions From JPEG 2000 Compressed Document Images Through Partial and Intelligent Decompression	IEEE Access	2023
479	Journal	Singh, Navjot	Semantic web-based diagnosis and treatment of vector-borne diseases using SWRL rules	Knowledge-Based Systems	2023
480	Journal	Abhishek; Yadav, Rakesh Kumar; Verma, Shekhar	Semi-supervised learning with dropouts	Expert Systems with Applications	2023
481	Journal	Paturkar, Varun; Yadav, Rohit; Kala, Rahul	·	Multimedia Tools and Applications	2023
482	Journal	Pandey, Megha; Som, Tanmoy; Verma, S.	Set-Valued α -Fractal Functions	Constructive Approximation	2023
483	Journal	Varshney, Shagun; Maurya, Akhilesh Kumar; Kanaujia, Akash; Mishra, Nidhi		Advances in Materials and Processing Technologies	2023
484	Journal	Gautam, Rashmi; Bhardwaj, Komal; Singh, Ankit; Tripathi, Pramod Narayan; Kumar, Pramod ; Kumar, Rachana	Single Split Resonance Sensor Device for Detection of Bovine Serum Albumin Using Water Soluble Perylenediimide as Probe	IEEE Sensors Journal	2023
485	Journal	Tarafdar, Ayon; Bhattacharjee, Srijit	Slowly evolving horizons in Einstein gravity and beyond	Classical and Quantum Gravity	2023
486	Journal	Sharma, Anju; Kumar, Rajnish; Varadwaj, Pritish Kumar	Smelling the Disease: Diagnostic Potential of Breath Analysis	Molecular Diagnosis & Therapy	2023
487	Journal	Verma, S. ; Jha, S.; Navascues, M. A.	Smoothness analysis and approximation aspects of non-stationary bivariate fractal functions	Chaos Solitons & Fractals	2023
488	Journal	Malviya, Vaibhav; Kala, Rahul	Socialistic 3D tracking of humans from a mobile robot for a 'human following robot' behaviour	Robotica	2023
489	Journal	Solanki, Divyesh N.; Bhattacharjee, Srijit	Soft theorems and memory effects at finite temperatures	European Physical Journal C	2023
490	Journal	Singh, Anchal Kishore; Yadav, Bhim Sen; Vishwakarma, Anand Kumar; Kumar, Sarvesh; Ahmad, Faizan; Kumar, Pramod ; Kumar, Naresh	Spectroscopic Ellipsometry Study of Thermally Evaporated Tin Telluride (SnTe) Thin Films	Journal of Electronic Materials	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
491	Journal	Sachin; Subramanian,	Storage efficient blockchain models for constrained applications	Cluster Computing-The Journal of Networks Software Tools and Applications	2023
492	Journal	Anwesha; Chaudhary, Shrutika; Samanta, Sintu	Strategies in design of self- propelling hybrid micro/ nanobots for bioengineering applications	Biomedical Materials	2023
493	Journal		Strike off removal in Indic scripts with transfer learning	Neural Computing & Applications	2023
494	Journal	Dadwal, Anica; Singh, Vishal; Sharma, Shilpa; Sahoo, Amaresh Kumar; Satyanarayana, Tulasi	Structural and thermostability insights into cellobiohydrolase of a thermophilic mould Myceliophthorathermophila: in-silico studies	Journal of Biomolecular Structure & Dynamics	2023
495	Journal	Mulpuru, Viswajit; Mishra, Nidhi	Structure-guided Design and Optimization of small Molecules as Pancreatic Lipase Inhibitors using Pharmacophore, 3D-QSAR, Molecular Docking, and Molecular Dynamics Simulation Studies	Current Computer-Aided Drug Design	2023
496	Journal	Aman; Tewari, Vijayshri;	Sustainable training practices: predicting job satisfaction and employee behavior using machine learning techniques	Asian Business & Management	2023
497	Journal	Mishra, Prateek; Srivastava, Vibhu; Kumar, Sanjeev; Rana, Dhanvir Singh; Mishra, Yogendra Kumar; Sunny	Switching of electromagnetic induced transparency in terahertz metasurface	Journal of Physics D-Applied Physics	2023
498	Journal	,	Target-class guided sample length reduction and training set selection of univariate time-series	Applied Intelligence	2023
499	Journal	Archana; Bharadwaj, Shiv; Sahoo, Amaresh Kumar; Singh, Indrakant K.	Targeting neuroblastoma by small-molecule inhibitors of human ALYREF protein: mechanistic insights using molecular dynamics simulations	Journal of Biomolecular Structure & Dynamics	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title Journal/Conference N		Year
500	Journal	Tripathi, Asmita; Mondal, Rajkrishna; Lahiri, Tapobrata ; Chaurasiya, Deepak; Pal, Manoj Kumar		IEEE-ACM Transactions on Computational Biology and Bioinformatics	2023
501	Journal	Sridharan, Raja; Upadhyay, Sumit Kumar ; Yadav, Sunil Kumar		Indian Journal of Pure & Applied Mathematics	2023
502	Journal	Dwivedi, Shrey; Choudhary, Princy; Gupta, Ayushi; Singh, Sangeeta	The cross-talk between mucormycosis, steroids and diabetes mellitus amidst the global contagion of COVID-19	Critical Reviews in Microbiology	2023
503	Journal	Das, Jyoti Prakash; Kumar, Shailendra	The dynamic effect of corporate financial hedging on firm value: The case of Indian MNCs	Borsa Istanbul Review	2023
504	Journal	Kanaujiya, Ashok Kumar; Tiwari, Vineet	Find Correlation Between	Proceedings of the National Academy of Sciences India Section A-Physical Sciences	2023
505	Journal	Dwivedi, Shrey; Choudhary, Princy; Gupta, Ayushi; Singh, Sangeeta	Therapeutical growth in oligodendroglial fate induction via transdifferentiation of stem cells for neuroregenerative therapy		2023
506	Journal	Singh, Ankit; Kumar, Pramod; Tiwari, Akhilesh	Topologically protected multiple resonant modes in a one-dimensional photonic crystal heterostructure	Journal of the Optical Society of America B-Optical Physics	2023
507	Journal	Tripathi, S.; Srivastava, V.; Sunny ; Mishra, Ritesh	Tuning of resonant mode properties of photonic crystal nanocavities using Ge2Sb2Te5 phase-change material	Indian Journal of Physics	
508	Journal	Yadav, Nand Kumar; Singh, Satish Kumar; Dubey, Shiv Ram	TVA-GAN: attention guided generative adversarial network for thermal to visible image transformations	Neural Computing & Applications	
509	Journal	Agrahari, Abhay Kumar; Varma, Shirshu; Venkatesan, S.		Journal of Ambient Intelligence and Humanized Computing m	
510	Journal	Pandey, Gaurav K.; Gurjar, Devendra S.; Yadav, Suneel ; Solanki, Sourabh	UAV-Empowered IoT Network With Hardware Impairments	IEEE Sensors Letters	2023



S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
511	Journal		Use of Heterogeneous Data for Forecasting of Stock Market Movement Using Social Media and Financial News Headlines		2023
512	Journal	Verma, Manuj; Priyadarshi, Amit; Verma, S.	Vector-valued fractal functions: Fractal dimension and fractional calculus	IndagationesMathematicae-New Series	2023
513		Kumar; Gautam, Vidushi; Ahmad, Faizan; Singh, Roshani; Kandpal,	broadband photodetector employing thin film topological insulator heterojunction (p-TIBiSe2/n-	Applied Surface Science	2023
514	Journal	Singh, Varsha; Tiwary, Uma Shanker	Visual content generation from textual description using improved adversarial network	Multimedia Tools and Applications	2023
515	Journal	Tyagi, Pankaj; Sharma, Anju; Semwal, Rahul; Tiwary, Uma Shanker; Varadwaj, Pritish Kumar	XGBoostodor prediction model: finding the structure- odor relationship of odorant molecules using the extreme gradient boosting algorithm	Journal of Biomolecular Structure and Dynamics	2023
516	Journal	Sah, Dipak Kumar; Hazra, Abhishek; Mazumdar, Nabajyoti ; Tarachand Amgot	An efficient routing awareness based scheduling approach in energy harvesting wireless sensor networks	IEEE Sensors Journal	2023
517	Journal	Sengupta, Sarthak; Vaish, Anurika	A Study on Social Media and Higher Education during the COVID-19 Pandemic" Universal Access in the Information Society	Universal Access in the Information Society, Special Issue	2023
518	Journal	Vaish, Anurika ; Kesarwani, Ujjwal; P, Priti	A Study on digital payment risk and its impact on different generation (Gen Y/Gen Z)	Empirical Economics Letters, Special Issue 2	2023
519	Journal	Sengupta, Sarthak; Vaish, Anurika	A Bibliometric Analysis on FinTech and Social Media	Empirical Economics Letters, Special Issue	2023
	Journal		to Economic Development	International Journal of Innovation Research in Engineering &Management (IJIREM)	2023
521	Journal		A study on the impact of online payment systems on consumer willingness to buy goods and services	International Journal of Novel Research and Development - IJNRD	2023
522	Journal	Raj, Alok; Vaish, Anurika	Women in Educational Workplaces: A gig economy study	International Journal of Novel Research and Development (IJNRD)	2023

S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
523	Journal	Tripathi, Marut; Vaish, Aurika	Critical Factors in Adoption of Electric Vehicles in India	Journal of Emerging Technologies and Innovative Research	2023
524	Journal	Srinivasulu, Asadi; Agrawal, Anupam	Addressing Data Quality, Ethical, Privacy, and Interoperability Challenges in Real-time Viral Disease Prediction Using Convolutional Neural Networks on X-ray Imagery		2023
525	Journal	Srinivasulu, Asadi; Agrawal, Anupam	Convolutional Neural Networks for Early Detection and Prediction of Viral Diseases through Analysis of CT Scan Images	Medicon Microbiology	2023
526	Journal		2-semi-equivelar maps on the torus and the Klein bottle with few vertices		2023
527	Journal	Kumar, Amit; Maurya, Himanshu ; Bhattacharya, Avik; Panigrahi, Rajib Kumar	Scattering Dominace and Power Assesment from PoISAR data Using Complex Unitary Rotations	IEEE Geoscience and Remote Sensing Letters	2023
528	Journal	Jaiswal, S.; Roy, N.; Dhwaj, A.; Verma, D.; Prabhakar, Amit	A Review on the Various Mechanisms of Green Synthesis of Metal Nanoparticles for Biomedical Applications.	Current Green Chemistry, 9(2), 62-73. (10.2174/22133461106662 21028143409).	2023
529	Journal	Amit.; Verma, D.	Micropump for Continuous	ACS omega, 7(45), 40900- 40910. (https://doi.org/10.1021/ acsomega.2c03818)	2023
530	Journal	Kumar, A.; Shukla, P.; Kushwaha, V.; Nandi, Gora Chand	Context-aware 6D pose estimation of known objects using RGB-D data.	Journal of Multimedia Tools and Applications.	2023
531	Journal	Gupta, S.; Yadav, G. K.; Nandi, Gora Chand	Development of human motion prediction strategy using inception residual block. Development of human motion Journal of Multimedia Tools and Applications.		2023
532	Journal	Yadav, G.K.; Puig, D.; Nandi, Gora Chand	Designing an adaptive cost function for dynamic human pose predictions. Journal of Multimedia Tools Applications		2023
533	Journal	Khanna, T; Satakshi; Kumar, Manish	Improved multi-class classification approach for imbalanced big data on spark	The Journal of Supercomputing	2023
534	Magazine	Vaish, Anurika	Challenges and Solutions for Work Life Balance	CWA E-Magazine of CRPF	2023

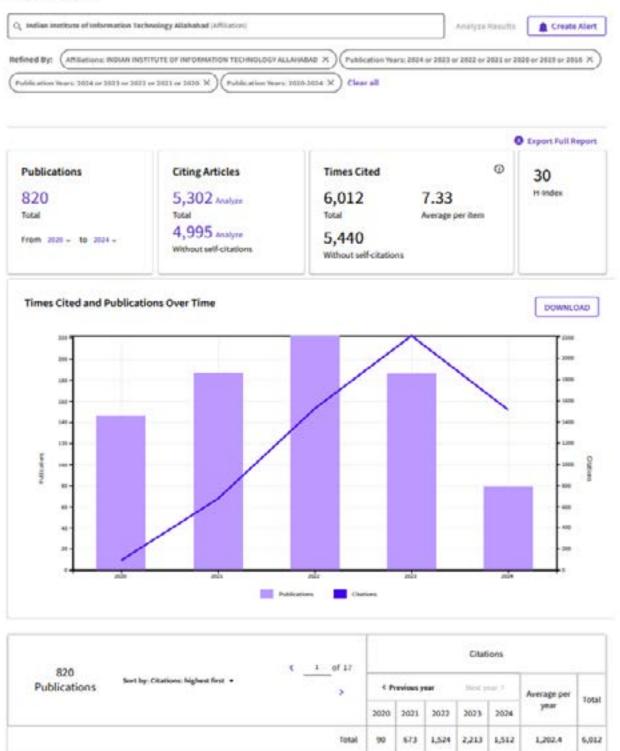


S. No.	Type (Journal/ Book/ Conference/ etc.)	Author(s)	Paper Title	Journal/Conference Name	Year
	Online Archive	Mandal Malay; Lahiri, Tapobrata	A divide and conquer approach (DACA) to predict high fidelity structure of large multidomain protein BRWD1		2023
536	Review	Amod, Ayush; Anwar, Sarfraz; Sahoo, Amaresh	A comprehensive guide on screening and selection of a suitable AMP against biofilm-forming bacteria	Critical Reviews in Microbiology	2023
537	Review	Akhilesh; Varadwaj,	An Extensive Review on β-lactamase Enzymes and their Inhibitors	Current Medicinal Chemistry	2023
538	Review	Manoj; Singh, Prabhishek;	Anomaly behavior detection analysis in video surveillance: a critical review	Journal of Electronic Imaging	2023
539	Review	Vijayshri; Kumar,	Blockchain technology for sustainable development: a systematic literature review	Journal of Global Operations and Strategic Sourcing	2023
540	Review	Akhilesh; Varadwaj,	Detailed investigation of catalytically important residues of class A β-lactamase	Journal of Biomolecular Structure and Dynamics	2023
541	Review	Bali, Varun; Khajuria, Yugal; Maniyar, Vidit; Rai, Pradeep K.; Kumar, Upendra ; Ghany, Charles; Gondal, M.A.; Singh, Vivek K.	Quantitative analysis of human hairs and nails		
542	Review	Imtiaz; Sunny ; Sharma,	Transition Metal-based Perovskite Oxides: Emerging Electrocatalysts for Oxygen Evolution Reaction	ChemCatChem	2023

WoS Publications Analytics (2020-24)

Citation Report

Citation Report





Patent Published / Granted (2023-24)

IIIT Allahabad innovators have so far filed (registered) **44 Patent** applications, and obtained **16 S/W (software) Copyrights**. Out of them, **15 Patents** have been **granted** by various patent offices. The details of *Filed / Published / Granted – IPRs* during 2023-24 are described as follows:

S. No.	Title of Filed / Published/ Granted Patents	Patent's Application / Publication/ Patent – Number & Corresponding Dates	Awarding Country	Inventors / Authors	Current Status
1	A Microfluidic Device with Immobilized Nano-Particles and Coupled Ultraviolet Light Source for Water Disinfection	Application Number:201811028600; Date of Filing: 30/07/2018 Publication Date (U/S 11A): 22/03/2019	India	Dr. Amit Prabhakar, Mehul Agrawal, NehaMishra, Dr. Deepti Verma, Dr. Vishnu Agrawal	Certificate Granted (Active)
2	A System for Creating Precise Microstructures Based on Various Polymers Using Multiple Apparatus	Application Number:202011042433; Date of Filing: 30/09/2020	India	Dr. Amit Prabhakar, Amar Dhwaj, Neha Mishra	Certificate Grant (Awaited)
3	Potato Peel Based C-Dots for the Development of Nanobots to Degrade Industrial Effluents Containing Toxic Dyes	Application Number:202011049379; Date of Filing: 20/11/2020; Publication Date:26/03/2021	India	Dr. Amaresh Kumar Sahoo, Dr. Sintu Samanta, Saurabh Shivalakar, Arushi Verma, Dr. Pavan Kumar Gautam	Granted
4	Al-Driven Equity Risk Analyzing Device Incorporating Marketing Mix for Enhanced Banking Decision Making		India	Amalesh Bhowal, Jayashree Bhattacharjee, Prof. Ranjit Singh (2023)	Filed
5	Enhancing Customer Experience Through Real- Time Analysis and Automated Actions Using a Robotic Device System	The Patent Office Journal Number: 31/2023 Dated 04/08//2023; Application Number: 202311044696.	India	Sana Moid, Suman Agarwal, Bhartrihari Pandiya, Ranjit Singh (2023)	Filed
6	Advanced Modular Vacuum Cleaner with Smart Integrated Technology for Enhanced Cleaning Efficiency	Application Number:202411004903 (Published)	India	Prof. H. Ramananda Singh, Rijumoni Kalita, Prof. Ranjit Singh (2024)	Filed
7	Dual-Functional Wearable Sunglass Holder Device with Stress and Productivity Monitoring	Application Number: 202411000810 (Published)	India	Prof. Ranjit Singh, Dr. Srijanani Devarakonda, Dr. Ambrish Singh	Filed
8	Hand-Size Thermo-Cycler for Temperature-Based Bio- Diagnostics Chemical Reactions and Other Diverse Applications	Application Number: 202411007600; Date of Filing: January 2024	India	Dr. Amit Prabhakar, Mahesh Kumar, Priyanka Kumari, Gyanendra Chaudhary, Dr. Deepti Verma, Dr. Sanjai Singh	Filed
9	A Handheld Medical Electro Band-Aid Device for On Spot Wound Protection and Healing	Application Number: 202411007599; Date of Filing: January 2024	India	Amar Dhwaj Dr. Amit Prabhakar	Filed
10	Cost-Effective Paper-Based Microfluidics Device for Detecting Milk Adulterations in Healthcare Approach	Application Number: 202411007435; Date of Filing: January 2024	India	Dr. Amit Prabhakar Pradyumn Chowdhury Sonal Jaiswal Dr. Deepti Verma	Filed

Projects

S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
	ect Sanctioned 2018-19	C0-1 1		(()	TTOJECT	TTOJECT
1	Newgen Innovation & Entrepreneurship Development Centre	Dr. Ranjana Vyas	DST	9500000	2018-23	Running
Proj	ect Sanctioned 2019-20					
2	Genome India: Cataloguing the Genetic Variation in Indians	PI: Dr. PritishVaradwaj Co-PI: Dr. Sanjeev B S	DBT	14000000	2019-22	Running
Proje	ect Sanctioned 2020-21					
3	Development of fuzzy logic based automated micro-irrigation system powered by phyllotaxy pattern solar tree for agricultural and horticultural crops		U.P. Council of Agricultural Research, Gomti Nagar, Lucknow	2073500	2020-23	Running Project Period Completed
4	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
5	1	Dr. Pramod Kumar	DST	451520	2020-25	Dunning
5	Inspire Program- Inspire Fellowship	(Ms. Vidushi Gautam, Ms. Roshani Singh)	031	451520	2020-23	Kullillig
6	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
7	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
8	Design of efficient descriptors for biomedical image retrieval in computer assisted diagnosis	Dr. Satish Kumar Singh	DST	1082000	2021-23	Running
9	Intelligent Grasp Manipulation Technology Development in a Cobotics Framework Using Complex Manipulation (Human Robot Interaction	Prof. G. C. Nandi- PI, Prof. Vrijendra Singh, Co-PI	I-HUB Foundation for Cobotics (IHFC) Technology Innovation Hub of IIT Delhi	11800000	2021-24	Running



S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
10	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
11	Development of deep learning- based hashing techniques for image retrieval – Indo-Taiwan	Dr. Shiv Ram Dubey	DST	2828580	2019-22	Running
12	To create a state-of-art facility for big data analytics of large-scale genomics and proteomics data - BIC	Prof. PritishVaradwaj (Principal Investigator) and Dr. B. S. Sanjeev, Dr. Amaresh Kr. Sahoo, Prof. Krishna Misra, Prof. TapobrataLahiri, Dr. Sintu Kr. Samanta (CO-PI)	DBT	6930000	2021-26	Running
13	Development of novel and cost- effective layered perovskite oxide ceramics for wireless communication applications	Dr. Upendra Kumar	SERB	5043764	2022-25	Running
14	FIST Program of DST	Dr. Pooja Mishra	DST	11700000	2021-26	Running
15	Risk Averse Resilience Framework for Critical Infrastructure Security	Prof. O. P. Vyas	IHub NTIHAC Foundation, C3iHub IIT Kanpur	3668000	2021-24	Running
16	Strain-driven phonon-assisted tuning of excitonic lifetime in two-dimensional optoelectronic semiconductors	Dr. Sitangshu Bhattacharya	SERB	660000	2021-24	Running
	ect Sanctioned 2022-23	I				I
17	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		400000		Running
18	Optimal Clustering using Hybrid Techniques in Wireless Sensor Networks (ID 1196)	Dr. Rajat Kumar Singh (PI)/Prof. Shekhar Verma (Co- PI)	CST UP	1044000	2022-25	Running
19	Spintronic Devices based on hybrid materials (ID 489)	Dr. Pramod Kumar/Dr Akhilesh Tiwari Co-Pl	CST UP	600000	2022-25	Running
20	Design and Implementation of Biocompatible Energy Harvesting Device for Low Frequency Operation	Dr. Sunny	SERB	5499307	2022-25	Running
21	Characterization of Some Classes of Projections in Operator Spaces		SERB	660000	2022-25	Running
22	A study of black hole horizons with (semi) analytic approaches	Dr. Srijit Bhattacharjee	SERB	660000	2022-25	Running

S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project	
23	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	
24	Strain-driven phonon-assisted tuning of excitonic lifetime in two-dimensional optoelectronic semiconductors	Dr. Sitangshu Bhattacharya	SERB	660000	2022-25	Running	
25	Spin induced properties of p-block elements-based Vander Waals heterostructures for prospective spintronics applications: An ab-initio approach	Dr. Sanjai Singh	SERB	1903264	2022-25	Running	
26	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	
27	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	
28	Thermo-Visible Deep Multimodel Ocular Biometric Recognition and Facial Thermal Profiling in COVID-19 Reality	Dr. Satish Kumar Singh	DST	1350240	2022-25	Running	
29	Development of photoacoustic 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	
30	Analytical Investigation on the Sum of Random Vectors and Application to Intelligent Reflecting Surfaces Aided Wireless Communications	Dr. Suneel Yadav	SERB	660000		Running	
31	Automated Lunar Crater Detection Using Payloads from Chandrayaan-2 Mission	Dr. Himanshu Maurya	Department of Space	2173520	2022-27	Running	
Proje	Project Sanctioned 2023-24						
32	Nanometer scaled Topological for future micro and opto electronic applications	Dr. Pramod Kumar, PI, Dr. Kavindra Kandpal Co-PI	SERB	3256264	2023-26	Running	
33	ML Enabled RISC-V based i-Lora SOC for Forest event monitoring	Dr. Prasanna Kumar Misra, PI Dr. Kavindra Kandpal, Co-PI	MeitY	48000000	2023-28	Running	



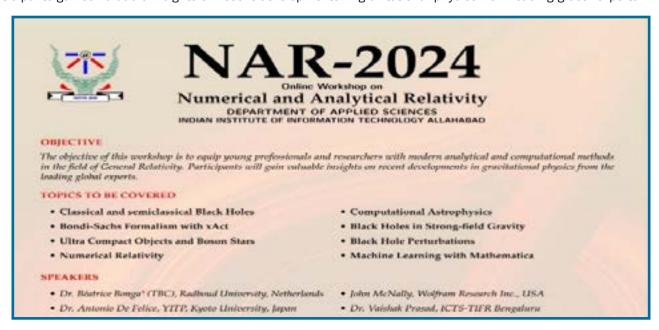
S. No.	Name of Project	Principal Investigator/ Co-PI	Funding Agency	Project Cost (₹)	Period of Project	Status of the Project
34	Linear Representation of Multiplicative Lie Algebra	Dr. Sumit Kumar Upadhyay	NBHM, Department of Atomic Energy	1531400	2023-26	Running
35	Capacity Building in Robotics & Automations Systems in India/ IRAS HUB (European Education and Culture Executive Agency Project 101083029- IRAS-HUB)	Prof. G.C. Nandi, Prof. Vrijendra Singh- PI	Erasmus+: European Union Grant, European Education and Culture Executive Agency	€797785, IIITA Share: €121768	2023-26	Running
	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
37	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
38	Development of composite nanocarrier 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
39	Road object detection during rainy nights for autonomous vehicles (D-1396)	Dr. Navjot Singh	CST UP	1200000	2023-25	Running
40	A Hybrid Platform for real time intrusion detection framework based on Cyber Security Intelligence monitoring system	PI: Dr. Abhishek Vaish Co-PI: Prof. Vrijendra Singh, Dr. Preetish Ranjan, Dr. Anurika Vaish	DST	1350240	2023-26	Running
41		PI- Dr. Anurika Vaish & Co-PI- Dr. Pragya Singh	MSME-E-SDP Scheme	640000	2023-24	
	Hazard Change Point Models in the Presence of Long-Term Survivors and Time Dependent Covariates	Dr. Savitri Joshi	IIITA	57500	2021- 2023	Running
43	A study of Pell equations through F_n continued fractions		IIITA	57500	2021- 2023	Running
44	An assessment of the Atal Pension Yojana (APY) awareness and penetration in Prayagraj Division of Uttar Pradesh	Dr. Shailendra Kumar & Dr. Utkarsh Goel	ICSSR	750000	2023-24	Running

Academic Activities

Workshop on Numerical and Analytical Relativity (NAR-2024)

Mar 20 - 22, 2024

NAR-2024 is a workshop-cum-training program held online from March 20 - 22, 2024. The workshop aimed 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.



First Workshop on Introduction to Science of Happiness

March 16, 2024

First workshop on introduction to the science of happinesswas held on March 16, 2024, by Rekhi Centre of Excellence for the Science of happiness at IIITA, Prayagraj.





Hackathon Prayagraj Mahakumbh 2025



February 29, 2024

The Kumbh Mela (the festival of the sacred pitcher) is the largest public gathering and collective act of faith, anywhere in the world. The Mela draws tens of millions of pilgrims over the course of approximately 48 days to bathe at the sacred confluence of the Ganga, the Yamuna, and the mystical Sarasvati. Primarily, this congregation includes Ascetics, Saints, Sadhus, Sadhvis, Kalpvasis, and Pilgrims from all walks of life. This hackathon was organized by IIITA in collaboration with the Mela Pradhikaran Prayagraj, UP Government. It aimed to provide a platform for developing effective solutions of various issues associated with the Mahakumbh Mela 2025 at Prayagraj which can be adopted by the Mela administration.

From Ideas to Assets: IPR Strategies for Success - a one day workshop, held on 24th February 2024

February 24, 2024

From ideas to assets: IPR strategies for success - A one-day workshop, held on 24th February 2024. The following topics were discussed during the event-



- Definition and types of Intellectual Properties
- How can intellectual properties and rights be protected?
- Timing and strategies of patents
- Necessity of patents
- Ethics and rules in patent filing
- Encouraging innovation and creativity
- Procedure to file patents

Fourth International Workshop on Generative AI and Human-Robot Interactions held in February from 16 to 18, 2024

February 16, 2024

The fourth international workshop on generative AI and human-robot interactions was held during February 16-18, 2024.



Training-cum-Workshop on Capacity Building Using Data Driven Technologies for Budding Entrepreneur of Future in an Innovative Dynamic Business Landscape

February 12 – 16, 2024



The Aim of the course was to upgrade the existing skills of the targeted group (budding entrepreneurs) by orienting and training them with data-driven technologies that enable better and more effective decision-making in the current business scenarios through data visualization tools. To impart entrepreneurial knowledge and strengthen entrepreneurial competencies to foster them to think and act in an entrepreneurial way by imparting technical and business skills at an early stage in their career, so that it not only encourages them to consider entrepreneurship as a career opportunity but also helps them become successful in any profession. To train & facilitate the entrepreneur to develop technical and vocational skills such that they put their ideas

into action, and to bring an attitudinal & behavioural change in building their personal entrepreneurial skills. To bring awareness on the legal entities of the enterprise support ecosystem, Govt. Schemes. To provide post-training assistance through mentoring and handholding support.



Workshop on RFCMOS Integrated Circuits for Transceivers and VLSI Systems

February 2 - 4, 2024



department of ECE organized 3 days' workshop titled "RFCMOS Integrated Circuits for Transceivers and VLSI Systems". The workshop covered the design of low noise amplifier (LNA), mixer, voltage controlled oscillator (VCO), filter, ADC etc. The functionality of RF integrated system like Receiver and Transmitter was also demonstrated. The simulations of circuits and systems with commercial technology design kits and RF MOSFET models were shown at VLSI design laboratory.

Sixth IEEE International Workshop on Recent Advances in Photonics, held from 07-09 December 2023

December 7 – 9, 2023

WRAP is a biennial event organized by the IEEE Photonics Society of India. The primary aim of WRAP is to provide a platform that brings together global experts and researchers to disseminate and highlight novel contributions and challenges in the field of Photonics. The first edition of WRAP was organized at IIT Delhi in 2013. This was the sixth edition of WRAP, held at IIIT Allahabad, Prayagraj, India. There

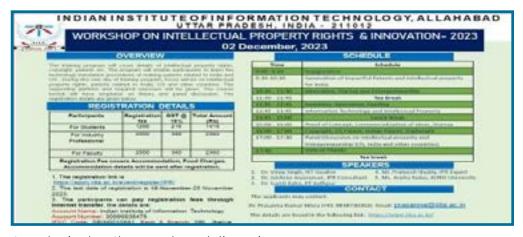


were six conference tracks on different topics related to photonics. https://wrap2023.iiita.ac.in/

Workshop on Intellectual Property Rights & Innovation-2023

December 02, 2023

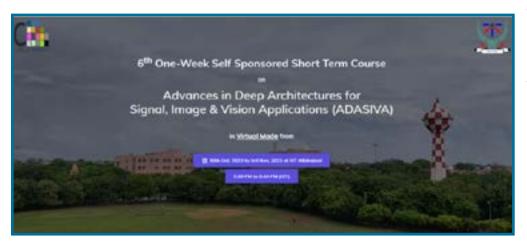
The training program covered details of intellectual property rights. copyright. patents etc. The program enabled participants to learn technology translation procedures of making patents related to US and other motivation for creating startups. This one-day training program was focused intellectual property rights, patents related to India and



other countries. The course format emphasized on theory and panel discussions.

6th One-Week Self Sponsored Short-Term Course on Advances in Deep Architectures for Signal, Image & Vision Applications (ADASIVA-2023)

October 23 – November 03. 2024



The deep architectures are playing the most important role in the area of machine learning and considered the future technology, anticipating complete paradigm shift in the area of artificial intelligence research. It is considered to be one of the most active areas of research in signal, image, vision, biometrics and comprises of supervised unsupervised models of approach for detection/

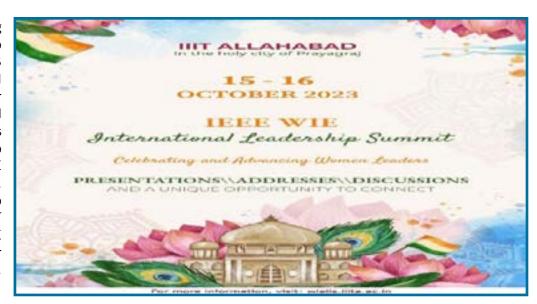
recognition/ classification/ synthesization of objects, conducting such type of short-term course plays an important role.



IEEE Women in Engineering International Leadership Summits (WIE ILS 2023)

October 15 - 16, 2023

IEEE Women in Engineering International Leadership Summits (WIE **ILS** provides 2023) regional opportunities to foster networking, mentorship and possible collaboration. This program is part of the portfolio of global initiatives by IEEE that focus on Empowerment, Entrepreneurship, Leadership and Future Technology. IIIT Allahabad hosted the IEEE WIF IIS on 15th-16th October 2023 in physical mode. https://wieils.iiita.ac.in/



Teal 2.0 Dissimination Conference

October 14, 2023

The objective of Teal 2.0 dissemination conference is to develop, validate, and launch a collaborative and modular open Technology Enabled Active Learning (TEAL) platform to initiate learning & teaching content development through the platform.



XVIII Convocation

September 9, 2023

The Eighteenth Convocation of Indian Institute of Information Technology Allahabad was held on Saturday, 09th September 2023. The degrees were awarded to all students who have successfully completed the requirements of their respective programme.



IIITA Global Alumni Meet 2023

September 2 – 3, 2023

IIIT Allahabad hosted the Annual "Global Alumni Meet 2023 (GAM2023)" in a mixed mode from 02 - 03 September'2023.





Two Days International Workshop on Cyber Physical Systems Security

August 21 - 22, 2023

The FOG-CPS security lab of IIITAllahabad and Cardiff University, UK jointly organized a "2 Days International Workshop on Cyber Physical Systems Security" during August 21-22, 2023. The event wassponsored by the Centre for Cyber Security and Cyber Defence of Critical Infrastructures (C3i HUB), Indian Institute of Technology, Kanpur. In this workshop, scientists from the top academic institutions over the globe provided an overview on the current trends in CPS security research challenges.



Crafting Research via Systematic Literature Review and Bibliometric Analysis

July 21, 2023

In recent years an exponential growth in published literature on social science domain has been observed in the databases like web of science and Scopus. As the volume of publications increases, it becomes difficult for researchers and practitioners to accumulate sense making information from the scattered literature. To overcome this challenge, advance quantitative methodologies, and software tools are being employed to conduct literature review more efficiently and effectively. Systematic literature review (SLR) and bibliometric analysis (BA) are prominent methodologies for extraction and synthesis of available literature and to develop its knowledge structure.

Summer School on Computational Advances in Deep Learning and Applications (CADLA)

July 17 - 21, 2023

2023 IEEE CIS Summer School on Computational Advances in Deep Learning and Applications (CADLA) is a one-week short-term course organized by Computer Vision and Biometrics Lab (CVBL) at IIIT Allahabad from 17-21 July 2023.



7-Days Workshop on Satellite Image Analysis for Contemporary Applications

July 10 - 16, 2023

Satellite image processing is a prominent field of research and development that has become of keen interest to researchers in the past few decades. There are various applications where satellite imaging is the only tool to produce effective results, e.g., mapping of land cover, deforestation maps, growth of urban areas, flood mapping, etc., since a large geographical area can be monitored with the help of satellite imaging.



Summer Training on Artificial Intelligence Tools and Applications - 2023

June 26 – July 22, 2023

The one-month summer training (26 June - 22 July 2023) on Artificial Intelligence Tools And Applications provided a comprehensive understanding of the four key areas of AI - Deep Learning, Machine Learning, Reinforcement Learning, and Robotics. Participants learnt how to design, develop, and deploy AI-based solutions for real-world problems.





One-week Training Program on "Advanced Training Program on Experimental & Simulation Techniques for Materials Science"

June 21 - 27, 2023

The Scheme "Synergistic Training Program Utilizing the Scientific and Technological Infrastructure" (STUTI) is intended to build human resources and its knowledge capacity through open access S&T Infrastructure across the country, as a complement to the various schemes of DST funding for expansion of R&D Infrastructure at academic institutions.



6th Summer School on Behavioural Finance (SSBF-23)

June 12 – 16, 2023

Behavioural finance is an emerging area of study that considers theories based on psychology to elucidate the anomalies in the financial market. The development of technology has made information accessible to the general public.



The 17th Learning and Intelligent Optimization Conference (LION17 SCOPE) special session on Data-Driven Optimization with Business Process Mining

June 4 - 8, 2023

With rapidly growing applications, this special session invited original, unpublished research contributions that demonstrated current findings in the area of application of data science and optimization techniques for process mining, with special reference to algorithms for process discovery, conformance checking, and process model enhancement.



6th Workshop on Machine Learning & Data Analytics (MLDA)

June 1 - 15, 2023

Aimed to motivate researchers to work in the area of Machine Learning, Data Analytics and Data Security. This was the sixth workshop in the series and conducted in online mode. Workshop addressed the basics and recent research work on machine learning, security and data analytics.





Summer Training Program on VLSI Design (STPVD) June 19 - July 15, 2023

June 19 – July 15, 2023

A specialized one-month summer training program from 19th June to15th July 2023 conducted at IIITA. This training program covered analog and digital integrated circuit design using commercial technology kits and simulation tools along with exposure to fabrication methods and PCB design.



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



S. No.	Name of the Lab	Faculty Incharge	
12	Advanced Image & Data Science Lab	Dr. T. Pant, Prof. Vrijendra Singh, Dr. Shashikant Rai, Dr. Saurabh Mishra	
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 Chkraborthy	
20	Artificial Intelligence and Multiagent Systems (AIMS) Lab	Dr. Muneendra Ojha, Prof. Shekher Verma, Dr. Pavan Chkraborthy	
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.

Research and Development

- 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 μm2. 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 $> 1~\mu$ 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 $1.0\text{nV/(Hz)}\ \frac{1}{2}$. Input Impedance 300Ω (Other options available). Output Impedance 50Ω (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 PCle 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 Metamayrials 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 magnetoplasmonics of patterned nanostructures.

VLSI Laboratory

- 1) Tunable Light source (TLS) (NwePort TLS 300XU): This instrument provide highly confined and monochromaticlight 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 (DM LB2/11888110)
- 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 OC: Thermo Electron Corporation (702)
- 15) pH meter: Eutech Instruments

Research and Development

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 teleopkitHumanoids: 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
- Mercedez 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



Intellectual Property Right Cell (IPR Cell)

IPR Cell has been recently reallocated to Room No. 1127 of Admin Block, IIITA. It is ambitious to expedite the intellectual property rights (IPR) activities in IIITA. One of the crucial plans of action for the present IPR Cell under the R&D Committee is hiring Professional Legal Consultancy Services to enhance the pace of the generation of 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 for "Intellectual Property Rights (IPR)" related matters to educate the students and faculty of the institute so that they can pursue their projects and creativity in the direction of IPR and develop intellectual assets for the institute.

Memorandum of Understandings (MoUs) & Ranking

IIIT Allahabad is global institute and therefore excellence of the institute is derived from the best that it can capture from the leading institutes in the world. This is the best facilitated by signing strategized MoUs with every aspect of teaching or research associated with the institute. The institute emphasises to function as an institute at a global level to solve the most challenging problems through research and to supply 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. IIIT Allahabad executed 14 MoUs for the financial year 2023-24 and are listed below:

S. No.	Details of MoU's	Date	Validity
1	MoU between IIITA and Prayagraj City Limited	27-04-2023	5 years
2	MoU between IIITA and Tashkent University of Information Technologies (named after Muhammad al- Khwarizmi)	06-06-2023	5 years
3	MoU for IRAS-HUB Project (Funded by EU)	25-05-2023	3 years
4	MoU between IIITA & Rekhi Foundation	25-07-2023	3 years
5	MoU between IIITA and Ram Manohar Lohia Avadh Univeristy Ayodhya	04-08-2023	4 years
6	MoU between IIITA and Tech Mahindra Ltd	03-08-2023	5 years
7	MoU between IIITA and Clermont Auvergne Institute National Polytechnique (INP), France	10-08-2023	4 years
8	MoU between IIITA and Chungbuk National University, Republic of South Korea	08-08-2023	2 years
9	MoU between IIITA and Synapso Private Ltd	25-09-2023	3 years
10	MoU between IITA and Christ (Deemed University), Lavasa	22-09-2023	3 years
11	MoU between IIITA and AIC Stepnext Initiatives	06-11-2023	4 years
12	MoU between IIITA and Ciena India Pvt Ltd	07-12-2023	
13	MoU between IIITA and Telecommunications Consultants India Ltd	12-01-2024	3 years
14	MoU between IIITA and Sardar Vallabhbhai National Institute of Technology.	28-01-2024	5 years

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	2018	2019	2020	2021	2022	2023	2024
Rank	90	82	103	87	93	89	87
		QS Worl	d University Ra	nking (QS WI	JR)		
Year	2018	2019	2020	2021	2022	2023	2024
Rank	-	-	1001+	-	1001-1200	-	-
		QS	Asian Universit	y Rankings			
Year	2018	2019	2020	2021	2022	2023	2024
Rank	226+	301-350	351-400	451-500	451-500	551-600	601-650
	QS I	WUR By Subject	- Computer Scie	nce and Info	rmation Systen	ns	
Year	2018	2019	2020	2021	2022	2023	2024
Rank	N.A.	551-600	501-550	501-550	501-550	651-680	-
		QS Asian U	Iniversity Ranki	ngs - Souther	n Asia		
Year	2018	2019	2020	2021	2022	2023	2024
Rank	N.A.	N.A.	N.A.	N.A.	N.A.	145	189
		India Today-MD	ORA (Top Engine	ering College	es in India)		
Year	2018	2019	2020	2021	2022	2023	2024
Rank	13	10	9	10	9	11	11



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 exstudents 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 ambessodor 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 2023 to March 2024** are as follows:



Webinar Series # 12

Speaker: Mr. Udit Agarwal, Engineer, Amazon, (BTech IT 2009

batch)

Date: 17th June' 2023 (Saturday)

Time: 06:00 PM Onwards (IST)

Topic: "From IIITA to Industry Leader- A journey of Achievements

and Insights"







Orientation Program for Newly Admitted MBA Students

The Alumni Affairs office extended its support in One-day Orientation Program for Newly Admitted MBA Students in the year 2023 on **Saturday 28th July' 2023**. The Alumni Affairs office obtained the consent of **Mr. Bindesh Pandey** (an alumnus of MBA department) of IIITA to give his brief talk and interact with the fresher students.

Inviting an Alumnus to address and interact with the newly admitted MBA students and also with the faculty members on the Orientation Day was well appreciated by all and very fruitful as he also agreed to extend his support in placement of the MBA students.

Webinar Series # 13

Speaker: Mr. Anirban Bhowal, Assistant Professor, NIT Rourkela, (MTech ECE 2013 batch)

Date: 05th August' 2023 (Saturday)

Time: 06:00 PM Onwards (IST)

Topic: "My journey from IIITA to Research in RIS"

IIITA Global Alumni Meet 2023 (02 -03 September, 2023)











IIIT Allahabad hosted the **Annual "Global Alumni Meet 2023" (GAM2023)** in a Physical mode and Virtual mode at the IIITA campus on **September 2nd and 3rd, 2023** respectively.

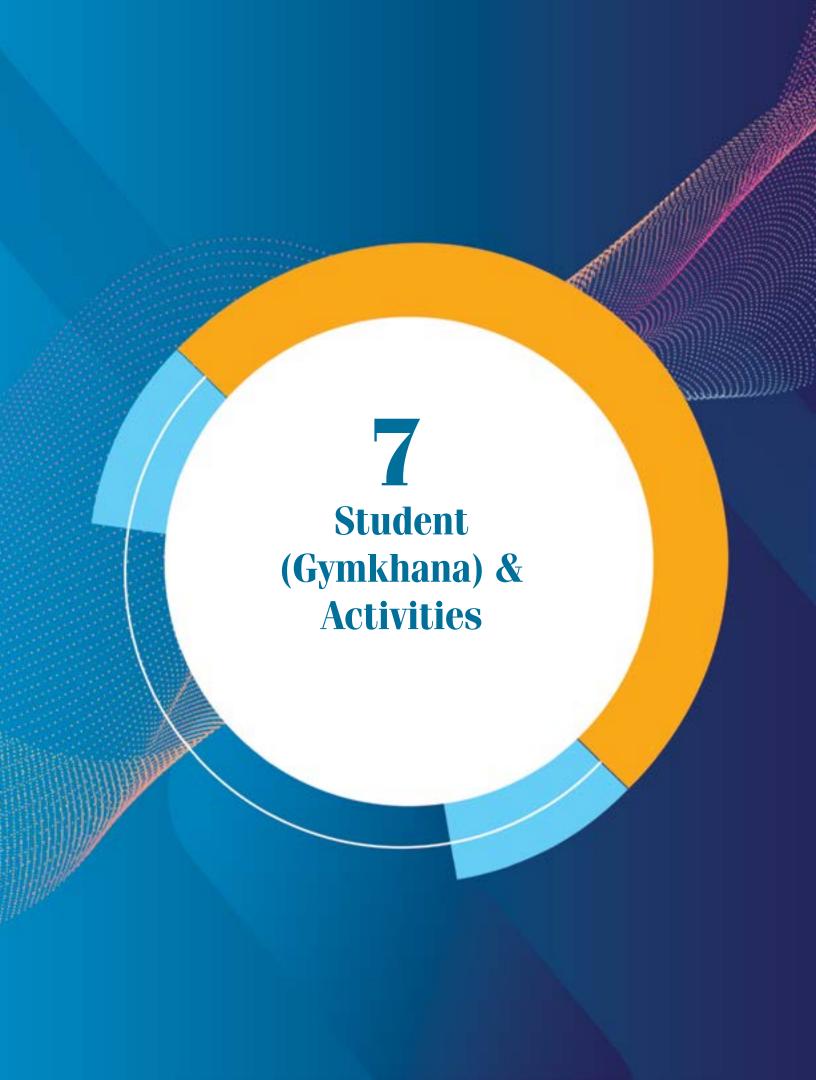
The Alumni Office invited three "Alumni Guest of honour" with their families on 02nd Sept.'2023. Approx. 33 Alumni joined this event and made this event successful. This session started on 2nd September 2023 at 10:00 AM IST with the Inaugural function. The event was presided by Hon'ble Chief Guest Dr. Anand Deshpande Chairman BoG and Chief Patron Prof. Dr. Mukul Sutaone, IIITA Director. Prof. Anupam, Dean of Alumni Affairs, and our Alumni Guest of Honors Mr. Kunal Srivastava, Mr. Vineet Sagar, and Mr. Vishwanath Pratap Singh addressed IIITA fraternities including Alumni, Faculty, Officers, Staff, Students, and Invitees.

Our three alumni Guests of Honor were honored with a Shawl & Memento, and other Alumni are also felicitated with Memento and Welcome kit. The Alumni Office also organized Cultural activities. Many of our alumni, faculty, staff member, and their families performed singing, dancing, musical instruments playing, drama, Kavi Samelan, and other activities.

On 3rd September 2023, the Virtual session was started at 7:00 PM IST and approx. 400 Alumni joined this event virtually across the world. A group of Alumni managed the Breakout sessions and guided our current students. The list of Breakout session is mentioned below:

- 1. Progressing in Corporate Jobs,
- 2. Civil services & Other Government Jobs,
- 3. Continuing with Higher Education,
- 4. Venturing in Entrepreneurship.

The Inauguration session of the Virtual alumni meet on 03rd Sept.'2023 was addressed by Hon'ble Chief Guest Dr. Anand Deshpande Chairman BoG and Chief Patron Prof. Dr. Mukul Sutaone, IIITA Director.





Student (Gymkhana)

Pı	residential Council			
Sachin Kumar Behera (IEC2020058) President	Rohit Kumar Sony (MDE2022004) Vice President			
Rohit Yadav (RSI2019001) Speaker	Aaditya Gupta (IIT2021242) General Secretary	Pranav Raj (IIT2020144) UG, Presidential Council Member		
Ishan Tapadia (IIT2020108) UG, Presidential Council Member	Umesh Maurya (MML2022011) PG, Presidential Council Member			
	Secretariats Secretariats			
Aryan Anand (IEC2021045) Sports Secretary	Kiran Sai Reddy (IIT2021198) Academic Secretary	Om Vibhandik (IIT2021094) Cultural Secretary		
Om Khangat (IIT2021218) Technical Secretary	Govind Kukna (IEC2021110) & Jyothsna Niharika (IIT2021055) Student Welfare Secretary			

Activities of Gymkhana

The Indian Institute of Information Technology Allahabad has been a center of excellence in academia, sports, and technology for over 23 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 they are a part of. Sports and extracurricular activities have for long been considered a brilliant tool to groom and mold students into team players and leaders. IIIT Allahabad has continually endeavored to push the boundaries in all disciplines. IIIT Allahabad 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 and served as a medium for young innovators from our institute as well as other colleges to show off their technical prowess in the events held as a 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 during March and April. Boasting a huge roster of exciting and engaging events, Aparoksha'24 witnessed the performances of renowned personalities like Geetika Anand Gupta, Darshan Sankhala, Shantanu Mukherjee, and other artists.

The events that were conducted throughout Aparoksha'24 are as follows:

- Alkhwarizm A heart-pounding coding marathon where you can flaunt your programming skills and compete for awesome prizes.
- 3-Musketeers A high-octane coding relay race that will test your coordination, communication, and coding skills like never before. Each team member gets 15 minutes of coding glory before passing the torch to the next.
- Humblefool Cup It is a 2-tier ACM-ICPC style international level coding contest conducted in the fond memory of Harsha Suryanarayana A.K.A Humblefool, one of the best coders of India, an alumnus of IIIT Allahabad and one of the very first Indian red coders on Topcoder.
- C-Fresh It is a programming contest held each year to promote competitive coding skills among the students of first year.
- Codered A coding contest but with an exciting twist. Complete your teammate's code and see if you really make a
 good team. Each member of the team gets 15 minutes to code, with transition time when members switch. Winner
 will be the team to get maximum solutions accepted.
- Code Queen Code Queen, as the name implies, hunts for the best coder amongst girls. To promote participation of girls in the technical field we have this event exclusively for girls.
- Nova It is a UI/UX design challenge, where a fictional company will be given. Participants will be required to create the web/mobile application within stipulated time limit.
- Minimal Mania Minimalism is the art of conveying more in less. The aim is to Create a minimal poster on the given theme.
- Webkriti Show your creative skills at this web development event. Create a UI based on the problem statement provided. Check your development skills and see if you can make what we want.
- M.A.D. Mobile app development is a journey from being an android user to being an android developer. Develop an android app based on a given theme and prove your mettle in this field.
- Mr. Googler Believe it or not, Googling is an art. This event tests your skill at googling things. Work your way through the questions to establish yourselves as the top Googlers.
- Githero An online event wherein you can showcase your git skills by crawling through some exciting challenges.
- Cicada A technical treasure hunt to solve puzzles and riddles to claim your prize.



- Ex-Machina Aparoksha's premier machine learning based event.
- She-Hacks: An 18-to-24-hour long hackathon, solely for female coders to build projects catering to real-world problems. It witnessed a participation of 250+ female developers.
- Decode Unravel puzzles by creating ingenious code solutions.
- Prove Me Wrong Showcase your problem-solving powers by detecting flaws in provided code solutions.
- Lang Challenge An exciting competition designed to test your learning skills, problem-solving abilities, and passion for coding.
- Top Bot An 8-hour non stop bot making hackathon where you build and test your bots in different scenarios and make them complete tasks.
- Wild West Single-elimination duels coding tournament, ICPC-style problems.
- Pro Arduino Focusses mainly on coming up with the embedded system solutions for real life problem statements and building a working prototype of the model.
- Perplexus Challenge your cognitive abilities and unlock new levels of mental prowess as you navigate through a
 captivating labyrinth of puzzles and clues scattered across the vast expanse of the web.
- Spark Tank The ultimate platform to bring out the dreamers, innovative thinkers, and the future CEOs within each and everyone of you! It's all about application, adaptation, and acceleration.

Geekhaven

Geekhaven, the technical society of IIITA conducted various events in the session 2023-2024.

1. **OpenCode'23** -OpenCode is a nationwide open-source month-long event conducted by Geekhaven from December 2023 to January 2024. More than 27 projects were hosted on GitHub by Geekhaven members. OpenCode organizers will maintain and mentor numerous repositories with projects from a wide range of fields, such as web development, app development, design, cybersecurity, blockchain, etc. With a competitive leaderboard motivating the participants to take up issues and get their pull requests merged, there is ample opportunity for beginners as well as experienced developers to upskill themselves and have a fruitful experience.

Additionally, the portal for managing the leaderboard and event details was built at events.geekhaven.in, achieving over 2000 registrations.

Statistics -

- 1660+ Registrations from different colleges.
- 500+ contributors
- 600+ issues
- 2260+ PR's

Winners -

- 1. Sarthak Verma, IIIT Allahabad
- 2. Sagnik Mandal, IIT BHU
- 3. Kushal Bansal, IIIT Allahabad

Student (Gymkhana) & Activities

Top Mentors -

- 1. Bhupesh Dewangan
- 2. Rishika Gupta
- 3. Rakim Middya
- 2. GeekCamp'23 A series of workshops and hackathons for the first-year students to teach them various development skills like Design, Web Development, App Development, Blockchain, Al/ML, and Cybersecurity. More than 400 first-year students participated in these workshops conducted from March 2024 to May 2024.
- 3. CodeHaven'23 A coding competition was conducted by Geekhaven in collaboration with Coding Ninjas to showcase your coding prowess, compete with the best, and win exciting rewards. Guided by the motive of assisting the students in enhancing their knowledge of Competitive Programming.
- **4. Hackout'23** Hackout by Headout is a large-scale annual 48-hour international hackathon with massive participation of tech enthusiasts from all across the country. Hackout'23, in partnership with Geekhaven IIITA, was scheduled from October 14–16, 2022, in offline mode at the IIITA campus.

Winners from IIITA:

- 1. Team dot-bot (Pratyaksh Singh, Abhay Singh, Janhavi Bawaskar, and Harsh Kant Bhatnagar).
- 2. Team Donnager (Manay Agarwal, Path Soni, Tarun Singh, Shubhi Pandey)
- 3. Team Moye Moye (Athary Gadekar, Anurag Jain, Pranay Tiwari, Devendra Kayande)

Gravity

The IIIT Allahabad Technical Society, Gravity, has spent the past year dedicated to innovation, creativity, and technical excellence. Our range of events aims to inspire and engage participants by offering platforms to showcase their skills and creativity.

- Metadive Quiz (Metaverse Wing) This quiz tested participants' understanding of the metaverse, a rapidly evolving field. It included questions ranging from basic concepts to advanced applications, providing a comprehensive challenge for both newcomers and enthusiasts. The event aimed to deepen participants' knowledge and encourage discussions about the future of virtual environments.
- Blockchain Buster Quiz (Blockchain Wing) Participants engaged in an exciting challenge to demonstrate their knowledge of blockchain technology. The quiz covered topics such as decentralized networks and smart contracts, offering a stimulating experience for those interested in blockchain. It provided an opportunity to explore the latest trends and developments in the field.
- Designovate Quiz (Design and Critical Thinking Wing) This event focused on enhancing participants' design skills and critical thinking. The quiz featured questions on design principles, creative problem-solving, and innovative thinking. It aimed to challenge participants to think outside the box and apply their skills in new and creative ways.
- Intellect Ignite Quiz (AI and Data Science Wing) An intellectual deep dive into AI and data science, this quiz
 featured multiple rounds that tested participants' theoretical knowledge and practical problem-solving abilities. The
 event aimed to showcase the participants' expertise in AI technologies and data analysis, providing a platform for
 learning and innovation.



Innovation Fest 4.0

The Innovation Fest 4.0 was a highlight of the year, celebrating creativity and technological advancement through a series of dynamic events.

- Hackathon: Interrupt Innovate Iterate 4.0 (III 4.0) This 36-hour hackathon challenged participants to develop
 innovative solutions to real-world problems. The event encouraged creativity and collaboration among developers. It
 was a platform for showcasing technical skills and exploring new ideas in a competitive and supportive environment.
- StoryFam This event provided a platform for sharing and celebrating inspirational family stories. Participants
 engaged in a preliminary quiz and presented business ideas in the final round. The focus was on the significance
 of family support during challenging times and the impact of personal stories on entrepreneurship and innovation.
- Inquizito An online quiz that tested participants' knowledge of recent innovations and technological advancements.
 The event encouraged participants to stay updated with the latest trends and demonstrated their prowess in the field of innovation.
- Through the Lens: A single-round challenge where teams of up to five members created innovative solutions to societal issues. Participants submitted their ideas in a PowerPoint presentation, which were evaluated based on efficiency, innovation, and presentation. The event aimed to encourage participants to develop impactful solutions and showcase their creative problem-solving skills.

Tesla

- The IIIT Allahabad Technical Society, Tesla, has spent the past year dedicated to innovation, creativity, and technical
 excellence. An electrifying community of tech savvy students with the aim of creating an environment where there is
 enough wood of support such that even a spark of idea can create a bonfire of possibilities. Each event was meticulously
 planned and executed, reflecting our commitment to fostering a vibrant and dynamic technical community.
- RoboWar (Robotics Wing) A combat game where your coding and robot making skills are tested by making your own bot and deploying in a duo combat arena providing a comprehensive challenge for both newcomers and enthusiasts.
- Top Bot 7.0 (Robotics Wing) A robotics hackathon event for beginners in the field of robotics, mainly consisting of events related to building and programming a robot to perform a certain task in a fixed time interval. It provided an opportunity for the beginners to learn more in the field.
- Army Bot (Robotics Wing) This event featured a project in hand where an automated bot will do the work of an army
 personnel. So, the bots will be used for surveillance on borders and our soldier's life will not be at risk anymore. It
 aimed to challenge participants to think outside the box and apply their skills in new and creative ways.
- Pro-Arduino (IOT Wing) A hardware competitive event mainly focused on coming up with the Embedded System solution for real life problem statements and building a working prototype for the same. This event showcased the hardware skills of the participants.
- ElectroBuzz (EDA Wing) A duo challenge of designing Digital/Analog circuits to perform the certain given task. It comprises both the software and hardware rounds and the team scoring the highest points will win the competition. It is an event for showcasing technical skills and exploring new ideas in a competitive and supportive environment.
- Circuit Debugging (EDA Wing) This event provided a platform to solve the mysteries of a circuit craving the brilliance of your detective skills and innovation.
- RoboSpark Workshop A session on Robotics conducted for beginners and experts to gain experience on coding and showcase their projects.

Cultural Activities

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

Dramatics Society

Rangtarangini, the dramatics 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 engages actively in all occasions through various stage plays and drama competitions:

- Foundation Day- Stage Play. The first stage plays of the year and the first stage act of the sophomores.
- **Bindass Bol** A street play competition in Effervescence organized by the society where people from different colleges and theater groups participate.
- **Introverse** An event where the freshers introduce themselves in a really flashy way, such as enacting a famous character or much more.
- **Drama Nights** APAROKSHA Stage Play, an only fresher's stage act. A drama event where society gives spectacular stage performances to the audience.

Literary Society

Sarasva is the heart of all things literary at IIIT Allahabad, from eloquent articles to 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 throughout the academic year 2023–24, providing a platform for students to showcase their talent and appreciation for the art of expression. Here are some of the key activities conducted by the society:

- 1. **Anchoring** -Sarasva managed the anchoring for major events during the session, including Foundation Day and the Alumni Meet.
- 2. **Group Discussions** Enriching group discussions were held on various social and political topics, promoting civil and logical discourse.
- 3. **TEDXIITA** Held during Aparoksha, TEDXIIITA featured inspiring TED talks by speakers from diverse domains, sharing ideas worth spreading.
- **4. Kavi Sammelan -** A symposium for young poets organized twice, where freshers showcased Hindi and Urdu poetry during Foundation Day.
- **5. Feathers** An open online writing competition held during Effervescence, accepting short verses and stories based on prompts provided by the society.
- **6. IIITA-MUN** A Model United Nations event where delegates from across the country dissected world affairs and formulated policies.
- 7. Open Mic Passionate poets and storytellers from various colleges shared their emotions and tales during Effervescence.
- 8. Crossroads A spirited debate contest held during Effervescence, covering a wide range of social and political topics.
- **9. Spot Writing** A two-member team event testing coordination and creative writing skills within a given time frame, held during Effervescence.



- 10. Cognoscentia The flagship quizzing event of Sarasva during Effervescence, featuring challenging questions and nationwide participation.
- 11. Lit Us Review Stuff A platform for students to write articulate reviews for TV/web series, YouTube channels, and movies, honing their critical skills.
- **12. Hill I'll Die On** An informal club event where teams defended a topic of their choice, covering themes like entertainment, politics, and world issues.
- 13. Movie Nights Screenings of movies based on preferences of society members/volunteers/senior members.

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 up wonderful performances and also being helpful in letting the students bite the music bug. Society attends various concerts and musicals during the year. Following are the events: -

- **1. Foundation Day -** On the college's foundation day, Virtuosi presented a series of distinguished performances, showcasing the exceptional talents and skills of the students.
- 2. Chords It is the flagship event of virtuosi. This event is organized in each odd semester.
- 3. Confuzon -Confuzon is the flagship event of Virtuosi, organized every even semester.
- **4. Crescendo** Crescendo was an event organized by Virtuosi, the music society of IIIT Allahabad, during the cultural night of the 6th Inter-IIIT Sports Meet in 2024.
- 5. **Open Jam** Open Jam is an event where the entire college community comes together to participate in a collaborative jam session.
- 6. Instrumento -Instrumento is a premier event showcasing instrumental talent, organized by Virtuosi, the music society of IIIT Allahabad. Conducted as a pre-event under Effervescence, the cultural fest of IIIT Allahabad. Instrumento attracts numerous instrumentalists from various colleges who compete, demonstrating their exceptional instrumental skills.

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 college events with expertise. Throughout the academic year, the following events were successfully organized:

- 1. **Exploracion** An exclusive online competitive photography event specifically tailored for freshers. Participants were enthusiastically encouraged to explore the institute and capture mesmerizing pictures.
- 2. The team manages a diverse array of campus events, from annual celebrations like Foundation Day and Effervescence to academic and cultural gatherings such as TEDx, Placement Talks, and conferences, ensuring each event is smoothly executed and memorable.

Dance Society

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

Student (Gymkhana) & Activities

- 1. **Foundation Day** Display your dancing skills and boost your energy by grooving to your favorite tunes and entertaining the audience. Presenting our freshers event, brought to you by the GeneticX Crew.
- **2. Footloose** Footloose, signature group dance event, the flagship event of GeneticX is brought to you by Effervescence featuring prizes worth 50k.
- **3. Showoff** A virtual dance event called SHOW OFF is presented by the GeneticX Crew IIITA and Effervescence. There are three performance options: solo, duet, or group. Given that it will take place virtually.
- **4. Asmita'24(Inter-IIIT)** During Asmita'24, an Inter-IIIT event, GeneticX performed an electrifying open stage group dance, showcasing their incredible talent and unity, leaving the audience thoroughly entertained and impressed.
- 5. In10sity- In10sity is a group dance event presented by GeneticX crew introducing Aparoksha'24

Fine Arts Society

1. 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.

2. Janmashtami Decoration

3. Effervescence decoration (Before Effe)

- a. Road Decoration
- b. Pavilion Painting

4. Effervescence events (During Effe)

- **a. Schizzare-** This is a sketching or drawing competition where participants submit their artwork within a fixed time period. It is conducted online and is inter-college.
- **b. Graffiti** This event involves participants creating artwork on flex boards hung on walls using spray paints, markers, or stencils.
- **c.** Face painting Participants paint designs on faces, ranging from simple patterns to intricate, detailed artwork.
- **d. Toon-Con** In this creative and fun competition, participants are provided with a paper and a pen upon registration. The objective is for each participant to create a unique and imaginative doodle within a set time limit. The event encourages free-form drawing and creativity, allowing participants to express their artistic skills without any predefined themes or constraints.

5. Prana Pratistha

a. Rangoli (Clock Tower and Pavilion)

6. Diwali

a. Clock Tower Decoration

7. Asmita Decoration

a. Road Decoration



- b. Road Painting
- c. Pavilion Painting

8. Aparoksha Decoration

Effervescence

Effervescence is the annual cultural fest of Indian Institute of Information Technology Allahabad. It is a four-day event that celebrates the creativity, talent, and diversity of the IIITA community. The fest features a variety of stage performances, workshops, competitions, and exhibitions.

Various events of Cultural Societies

Cognoscentia -> Sarasva- A mind-boggling and insanely competitive intercollege quiz conducted during Effervescence.

Footloose -> Geneticx- A Dance Event Conducted during the Effervescence.

Graffiti -> Nirmiti - Creating artwork on flex boards hung on walls using spray paints.

Exploracion -> AMS - An online competitive photography event specifically tailored for freshers.

Bindass Bol->Rangtarangani- A street play competition in Effervescence.

Events

Treasure Hunt - An outdoor adventure game where teams compete to find hidden clues.

Futsal - A 5-a-side indoor football tournament.

Roadies - A physical and mental challenge that tests students' teamwork and endurance.

Gully Cricket - A street cricket tournament.

Capture the Flag - Team-based game where players attempt to capture the opposing team's flag.

Blind Strike - A game where players, blindfolded, attempt to strike a target or opponent guided by sound.

Performances

Olly Esse - A DJ, music producer, and model originally from Italy.

Shalmali Kholgade - Indian playback singer and songwriter known for her work in Bollywood.

Kr\$na - An Indian rapper and songwriter who is a prominent figure in the Indian hip-hop scene.

Sports Activities

SPIRIT

The IIIT Allahabad Sports Society captures the essence of SPIRIT – the SPIRIT of life, competition, victory, growth, participation, and self-discovery. Our society thrives on an unwavering drive, boundless daring, and infectious excitement, delivering the most exhilarating sporting events at IIIT Allahabad.

Last year, we took great pride in organizing a variety of meticulously planned events, each reflecting our dedication and passion for sports. These events were not only well-organized but also widely celebrated and enjoyed by participants

Student (Gymkhana) & Activities

and spectators alike. From intense competitions that tested the limits of our athletes to inclusive activities encouraging everyone to join, our events were a resounding success.

- The year began on a high note with successful trials leading up to the sports fest, Asmita. The rigorous training and selection process enabled us to form strong teams across various sports. This preparation resulted in an outstanding performance at Asmita, where our college excelled in competitions against other institutions.
- To ensure our teams were thoroughly prepared, we arranged a series of friendly matches with various teams throughout Allahabad. These matches were invaluable, offering our athletes crucial experience and the opportunity to hone their skills. The competitive yet supportive environment allowed the teams to refine their strategies, enhance their coordination, and build a strong sense of teamwork.
- IIITA took an active part in Spardha'23, the Sports Fest at IIT BHU. Our athletes demonstrated their remarkable talent and exemplary sportsmanship, making a lasting impression on everyone present. Their dedication and hard work shone through, as they competed with passion and determination, truly standing out at this esteemed event. The unity and spirit of our teams were evident, reflecting the core values of IIITA. This participation not only highlighted our athletic excellence but also fostered stronger bonds within our community.

6th Inter - IIIT Sports Meet (ASMITA 2024)

- We are delighted to announce the successful conclusion of the 6th Inter IIIT Sports Meet, which saw enthusiastic participation from 21 IIITs across the country. A total of 1589 students showcased their exceptional talents across 15 exhilarating games throughout the event, making it a grand celebration of sports and unity.
- The atmosphere during the event was vibrant and electrifying, with students displaying remarkable skills, determination, and sportsmanship. Each game was played in the true spirit of unity, with participants from different institutes forming new bonds over their shared passion for sports. This year's event not only highlighted the competitive spirit of the students but also fostered a sense of camaraderie among the IIITs.
- The games included Aquatics, Athletics, Badminton, Basketball, Carrom, Chess, Cricket, Football, Kabaddi, Powerlifting, Squash, Table Tennis, Tug of War, and Volleyball. Each competition witnessed intense rivalry, with participants giving their all-in pursuit of victory. The level of competition was exceptionally high, and every game was a testament to the athletes' dedication and hard work.
- The 6th Inter IIIT Sports Meet was a shining example of sportsmanship, friendship, and healthy rivalry. We extend our heartfelt congratulations to all the participants for their outstanding performances. Special recognition is also due to the coaches and supporters for their unwavering encouragement and guidance, which played a crucial role in the athletes' success.
- We would like to express our deep gratitude to the staff and volunteers who worked tirelessly behind the scenes to
 ensure the smooth execution of this grand event. Their dedication and efforts were instrumental in making the sports
 meet a resounding success.
- In conclusion, the 6th Inter IIIT Sports Meet was not just a display of athletic excellence but also a celebration of the unity and spirit that defines the IIIT community. We look forward to more such successful events in the future, continuing to foster the love for sports and healthy competition among our students.



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 and in supersession to the Office order No. IIITA/ RO/017/2019, I am directed to convey that the following Grievance Committee has been re-constituted by the Competent Authority w.e.f. 17.01.2019 for a period of two years or till further orders.

1	Dr. Rajat Kumar Singh	Chairman
2	Prof. Neena Kohli, University 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. Rajat Kumar Singh is designated as fulltime Grievance Officer of the Institute. He will be assisted by the **Grievance Redressal Committee (GRC)** in discharge of his 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 are very important for the smooth functioning of the Institute. The maintenance of a conductive environment for the overall growth in academics and research domain is the primary responsibility of all the employees and students in the campus. This responsibility has been showered by the Institute to all its 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 all 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. The office is mainly responsible for maintaining the cordial atmosphere 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 user-friendly and responsive nature.

In discharge of his duties, he will have the right to call for any information, papers and records etc. from the office 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 his 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	Duef Malabas Michae (Aba conica most magaza foculta apparantativa)	Chairmaraan
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

Grievance Redressal Measures

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.



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 new 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 Connectivitythroughout 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 AMCs.
- 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 IIITAllahabad. 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 25×12 m 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 2023-24

- 1. 6th Inter IIIT Sports Meet Organized 9-12March 2024.
- 2. Republic Day Marathon (Marathon for Peaceful Coexistence) Held on 26-Jan-2024 for Faculty, Staff, Students and Children.
- 3. Activities under FIT India campaign More than 15 Cricket and Badminton Matches for Faculty, Staff, Students and Children.
- 4. Inter year games for students.
- 5. Occasional sports matches with MNNIT and Shambhunath Institutes.
- 6. Participation in Sports meet of IIT-BHU named SPARDHA 13-15 October 2023.
- 7. Recreational sports activities for fresh alumni during the convocation.
- 8. Recreational sports activities for children through MAITRI club of IIITA.

Sports Facilities at IIITA

1. Aquatics (1 All-weather swimming pool of 25 meter with diving and water polo)

Infrastructure & Facilities

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 (5 total: BH.5, BH.1, 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)

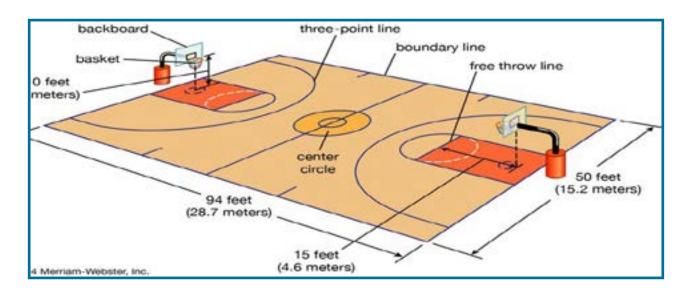
15. Athletic track (400 meter track)

16. Throw game (1 Multipurpose Ground)

17. Jump Events (1 Multipurpose Ground)

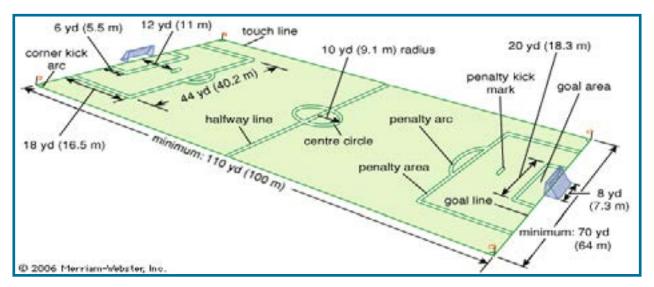
18. Tug of war (1 Multipurpose Ground)

Brief Description of the Sports and Standard Sports Facilities Available at IIITA

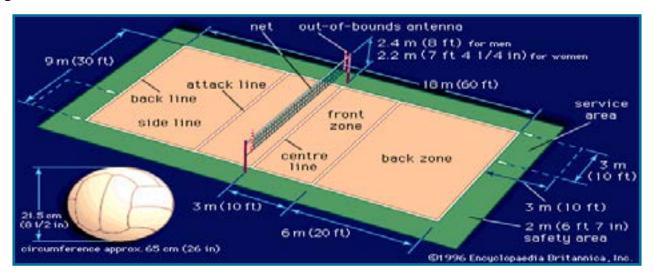




Basketball, Court game between two teams of five players. They score by tossing, or "shooting," an inflated ball through a raised hoop, or "basket," located in their opponent's end of the court. A goal is worth two points, three if shot from outside a specified limit. A player who is fouled (through unwarranted physical contact) by another is awarded one to three free-throw attempts (depending on the circumstances of the foul). A successful free throw is worth one point.

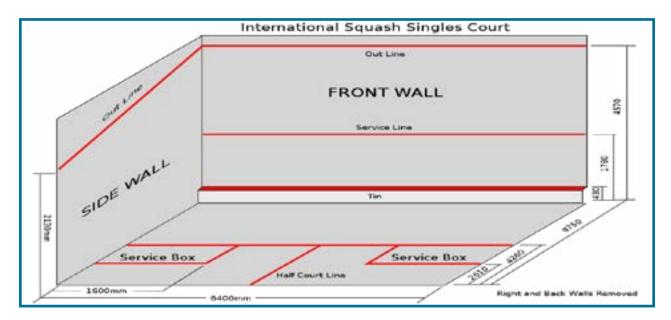


Football, or association football or soccer, Game in which two 11-member teams try to propel a ball into the opposing team's goal, using any part of the body except the hands and arms. Only the goalkeeper, when positioned within the penalty area in front of the goal, may use hands and arms. The game's first uniform set of rules was put in place in 1863, when England's Football Association was created. Professional leagues began appearing in the late 1880s, first in England and then in other countries. The Fédération International de Football Association (FIFA) was founded in 1904, and has hosted the World Cup every four years since 1930. Football has been included in the Olympic Games since 1908. Now played on all continents in over 200 countries, with over 250 million players, it is the world's most popular ball game.

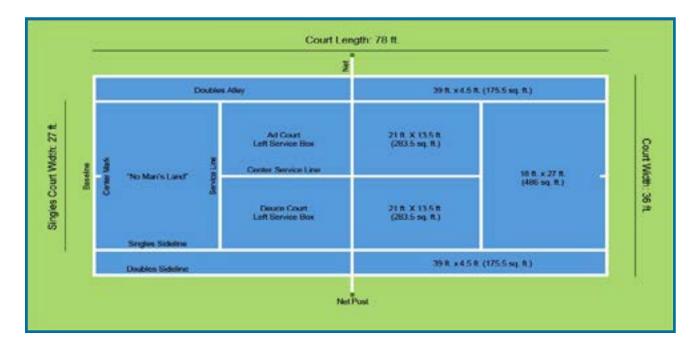


Volleyball, Game played by two teams of six players each, in which an inflated ball is volleyed over a high net. Each team tries to make the ball touch the court within the opposing side's playing areas before it can be returned. A team is allowed to touch the ball three times before returning it. The team that first scores 15 points wins the game. Volleyball was invented in 1895 by William G. Morgan in Holyoke, Mass. It soon proved to have wide appeal for both sexes in schools, playgrounds, the armed forces, and other settings. International competition began in 1913, and volleyball became an Olympic sport in 1964.

Badminton The game of badminton originated in Siam, China over 2,000 years ago. It was brought to England in 1870 and was played somewhat like tennis. After being played in Canada, badminton arrived in America and has been popular since 1929. Since 1992, badminton has been an Olympic sport, with bird speeds reaching 100 m.p.h. Nature of the Game Badminton is played as a singles or doubles game with one or two players on a side. The object of the game is to hit the shuttlecock or "bird" back and forth with a racket across a net five feet high at its center. The bird should be hit with such speed and accuracy that the opponent is unable to return the shot successfully.



Squash is a racket-and-ball sport played by two or four players in a four-walled court with a small, hollow, rubber ball. The players alternate in striking the ball with their rackets onto the playable surfaces of the four walls of the court. The objective of the game is to hit the ball in such a way that the opponent is not able to play a valid return.





Tennis, original name **lawn tennis**, game in which two opposing players (singles) or pairs of players (doubles) use tautly strung rackets to hit a ball of specified size, weight, and bounce over a net on a rectangular court. Points are awarded to a player or team whenever the opponent fails to correctly return the ball within the prescribed dimensions of the court. Organized tennis is played according to rules sanctioned by the International Tennis Federation (ITF), the world governing body of the sport.

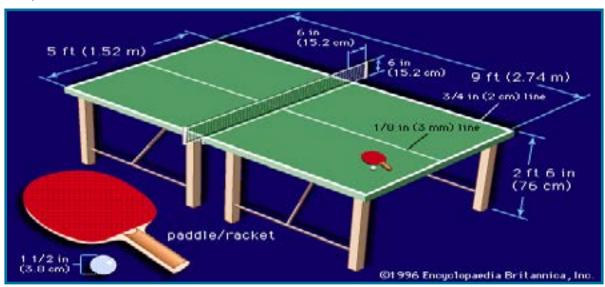
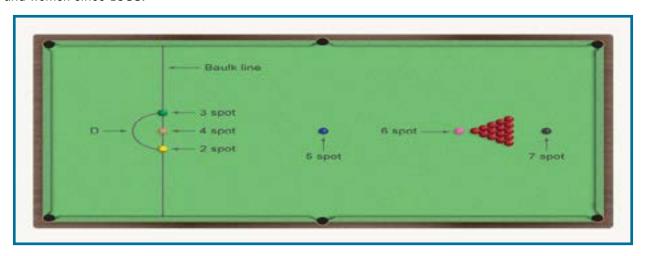
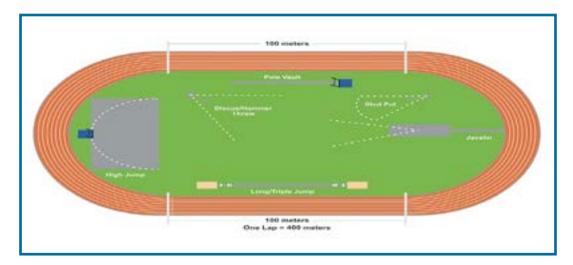


Table Tennis, Game similar to lawn tennis that is played on a tabletop with wooden paddles and a small, hollow, plastic ball. The object is to hit the ball so that it goes over the net and bounces on the opponent's half of the table in such a way as to defeat the opponent's attempt to reach and return it. Both singles and doubles games are played. A match consists of the best of any odd number of games, each game being won by the player or team who first reaches 11 points or who, after 10 points each, gains a two-point lead. Invented in England in the early 20th century, it soon spread throughout the world. Since the mid-1950s, East Asian countries have dominated the sport. It has been an Olympic sport for both men and women since 1988.

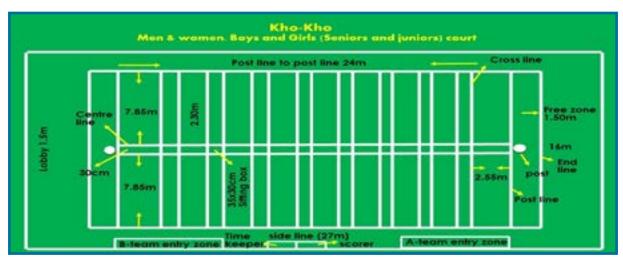


Snooker, popular billiards game of British origin, played on a table similar in size and markings to that used in English billiards. The game arose, presumably in India, as a game for soldiers in the 1870s. The game is played with 22 balls, made up of one white ball (the cue ball); 15 red balls, valued at 1 point each; one yellow, 2 points; one green, 3; one brown, 4; one blue, 5; one pink, 6; and one black, 7. Players try to pocket first the red and then the nonred balls, scoring one point for each red and the number value of the others.



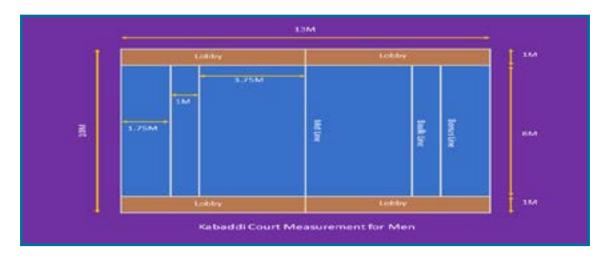
Athletics, also called track-and-field sports or track and field, a variety of competitions in running, walking, jumping, and throwing events.

Track-and-field athletics are the oldest forms of organized sport, having developed out of the most basic human activities—running, walking, jumping, and throwing. Athletics have become the most truly international of sports, with nearly every country in the world engaging in some form of competition.

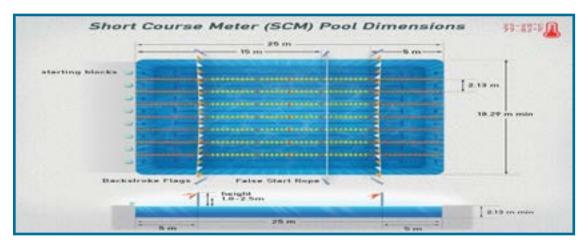


Kho-Kho, traditional Indian sport, a form of tag, that is one of the oldest forms of outdoor sport, dating back to prehistoric India. The *kho-kho* playing field—which can be placed on any suitable indoor or outdoor surface—is a rectangle 29 meters (32 yards) long and 16 meters (17 yards) wide with a vertical wooden post at either end of the field. Each *kho-kho* team consists of 12 players, but during a contest only 9 players from each team take the field. A match consists of two innings. In an innings, each team gets seven minutes for chasing and seven for defending. Eight members of the chasing team sit in eight squares in the central lane of the field, alternating in the direction they face. The ninth member is the active chaser (sometimes referred to as the attacker), who begins his pursuit at either of the posts. The active chaser "knocks out" an opponent by touching that person with the palm of the hand. The defenders (also called runners) try to play out the seven minutes, avoiding being touched by the chaser while not moving out of the field's boundaries. Runners enter the chase area (known as the rectangle) in batches of three. As the third runner leaves, the next batch of three must enter the rectangle. Runners are declared "out" when either they are touched by the active chaser, they drift out of the rectangle, or they enter the rectangle late. The active chaser can get any chasing-team member, sitting crouched in one of the squares in the center of the field, to take over and continue the chase by tapping him on the back with the palm and saying "*kho*" loudly. The chase is built up through a series of "*khos*" as the chasers continue their pursuit in a relay manner.





Kabaddi is another game originated in India. It is spelled kabbadi or kabadi, game played between two teams on opposite halves of a field or court. Individual players take turns crossing onto the other team's side, repeating "kabaddi, kabaddi" (or an alternate chant); points are scored by tagging as many opponents as possible without being caught or taking a breath before returning to one's home territory. Indigenous to South Asia, kabaddi is also known as hu-tu-tu in western India, ha-do-do in eastern India and Bangladesh, chedu-gudu in southern India, gudu in Sri Lanka, and theechub in Thailand.



Swimming, in recreation and sports, the propulsion of the body through water by combined arm and leg motions. Swimming is popular as an all-around fitness routine and as a competitive sport. It has been included in the modern Olympic Games since their inception in 1896. Events include freestyle (crawl-stroke) races at distances of 50, 100, 200, 400, 800, and 1,500 m; backstroke, breaststroke, and butterfly races at 100 and 200 m; individual medley races at 200 and 400 m; freestyle relays, 4×100 m and 4×200 m; and the medley relay, 4×100 m. Long-distance swimming competitions, usually of 15–37 mi (24–59 km), are generally held on lakes and inland waters.

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
Hostei	Single	Double	Total	Occupancy
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

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



Residential Facilities

SI. No.	Туре	Built Area	No. of Rooms			
1	A	55 m ²	80			
	В	85 m ²	16			
	I	85 m ²	32			
	C	100 m ²	02			
	G	100 m ²	20			
	D	120 m ²	28			
	Н	120 m ²	18			
	J	148 m²	20			
	Е	155 m ²	14			
	F	200 m ²	05			
2	Visitors' Hostel I					
	AC Room suites (Refrigerators, TV, computer facilities in six suits), all double beds)					
	AC Roo	ms (TV, All Double beds)	20			
	Non-Ac Rooms (Dining Hall, cyber cafe-3 computers, gym facilities)					
	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 Suit	tes	28			
	AC Sing	gle	02			

Other Amenities

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







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
63000+	2800+	13100+	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.

S. No.	Title of the Subscribed e-Resource (Through eShodhSindhu)	S. No.	Title of the Subscribed e-Resource (Direct)
1	ACM Digital Library	1	IEEE Digital Library
2	Economic & Political Weekly	2	EBSCO Business Source Ultimate
3	Institute for Studies in Industrial Development (ISID) Database	3	Emerald Insight
4	JGate Plus (JCCC)	4	Sage Publication
5	JSTOR	5	American Mathematical Society (AMS)
6	Oxford University Press	6	Institute of Physics (IOP)
7	Springer Link	7	Elsevier-Science Direct
8	Web of Science	8	American Physical Society (AMS)

	E-Books				
S. No.	Publisher	No. of Titles			
1	Pearson Education	600			
2	Elsevier-Science Direct	1245			
3	McGraw-Hill	111			
4	PHI	13			
5	Springer Nature	1232			



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. Autogenerated 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 uploaded on the Shodhganga portal. The main objective is to preserve and enable researchers to have easy and open access to theses.

Infrastructure & Facilities



(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.



Financial Statistics for the Year 2023-24

CAPITAL (0H: 35)

The MoE, Gol released Grant-in-aid Creation of Capital Assets [OH: 35] of Rs. 10,00,00,000/- during the Financial Year 2023-24 to the Institute. The details are given below:

Grant received during the year 2023-24 [OH: 35]				
Sanction No. (i)	Date (ii)	Amount (iii)		
F.No. 55-2/2023-TS.1 GEN 35	19.05.23	1,77,00,000/-		
F.No. 55-2/2023-TS.1 SC 35	19.05.23	15,00,000/-		
F.No. 55-2/2023-TS.1 ST 35	19.05.23	8,00,000/-		
Total amount (A)		2,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 35	09.08.23	1,77,00,000/-		
F.No. 55-2/2023-TS.1 SC 35	09.08.23	15,00,000/-		
F.No. 55-2/2023-TS.1 ST 35	09.08.23	8,00,000/-		
Total amount (B)		2,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 35	27.10.23	87,00,000/-		
F.No. 55-2/2023-TS.1 SC 35	27.10.23	9,00,000/-		
F.No. 55-2/2023-TS.1 ST 35	27.10.23	4,00,000/-		
Total amount (C)		1,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 35	07.02.24	2,21,00,000/-		
F.No. 55-2/2023-TS.1 SC 35	07.02.24	19,00,000/-		
F.No. 55-2/2023-TS.1 ST 35	07.02.24	10,00,000/-		
Total amount (D)		2,50,00,000/-		
F.No. 55-2/2023-TS.1 GEN 35	13.03.24	2,21,00,000/-		
F.No. 55-2/2023-TS.1 SC 35	13.03.24	19,00,000/-		
F.No. 55-2/2023-TS.1 ST 35	13.03.24	10,00,000/-		
Total amount (E)		2,50,00,000/-		
Total grant received [A to E]		10,00,00,000/-		

Against total available funds during the **Financial year 2023-24** of **Rs. 12,72,49,975.53** [Opening balance: **Rs. 2,72,49,975.53 + Grant received: Rs. 10,00,00,000/-**], a sum of **Rs. 6,81,95,716/-** was utilized for the purpose for which the Grant was sanctioned leaving **closing balance** under Capital Head [OH: 35] of **Rs. 5,90,54,259.53** as on 31.03.2024.

Creation of Assets [OH: 35]:- Electrical installation and equipment, Plant & Machinery, Scientific & Laboratory equipment, Office equipment, Audio Visual equipment, 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, Gol released Grant-in-aid Salary [OH: 36] of Rs. 30,15,00,000/- during the Financial year 2023-24 to the Institute as per details given below:

Grant received during the year 2023-24 [OH: 36]				
Sanction No. (i)	Date (ii)	Amount (iii)		
F.No. 55-2/2023-TS.1 GEN 36	19.05.23	7,98,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	19.05.23	68,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	19.05.23	34,00,000/-		
Total amount (A)		9,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 36	06.06.23	3,38,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	06.06.23	29,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	06.06.23	14,00,000/-		
Total amount (B)		3,81,00,000/-		
F.No. 55-2/2023-TS.1 GEN 36	09.08.23	3,55,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	09.08.23	30,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	09.08.23	15,00,000/-		
Total amount (C)		4,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 36	12.09.23	3,30,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	12.09.23	28,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	12.09.23	14,00,000/-		
Total amount (D)		3,72,00,000/-		
F.No. 55-2/2023-TS.1 GEN 36	07.02.24	7,98,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	07.02.24	68,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	07.02.24	34,00,000/-		
Total amount (E)		9,00,00,000/-		
F.No. 55-2/2023-TS.1 GEN 36	04.03.24	55,00,000/-		
F.No. 55-2/2023-TS.1 SC 36	04.03.24	5,00,000/-		
F.No. 55-2/2023-TS.1 – ST 36	04.03.24	2,00,000/-		
Total amount (F)		62,00,000/-		
Total grant received [A to F]		30,15,00,000/-		

Against total available funds during the Financial year 2023-24 of Rs. 35,94,44,234/-[Opening balance: Rs. 5,79,44,234/+ Grant received: Rs. 30,15,00,000/-], a sum of Rs. 31,35,94,535/- was utilized for Salary & Other Components leaving closing balance under Salary Head [OH: 36] of Rs. 4,58,49,699/- as on 31.03.2024.

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

General [OH: 31]

The MoE, Gol released Grant-in-aid General [OH: 31] of Rs. 36,81,00,000/ during the financial year 2023-24 to the Institute as per details given below:

Grant received during the year 2023-24 [OH: 31]						
Sanction No. (i)	Date (ii)	Amount (iii)				
F.No. 55-2/2023-TS.1 GEN 31	19.05.23	6,20,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	19.05.23	53,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	19.05.23	27,00,000/-				
Total amount (A)		7,00,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	06.06.23	2,66,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	06.06.23	23,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	06.06.23	11,00,000/-				
Total	amount (B)	3,00,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	09.08.23	4,43,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	09.08.23	38,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	09.08.23	19,00,000/-				
Total	amount (C)	5,00,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	12.09.23	2,37,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	12.09.23	20,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	12.09.23	10,00,000/-				
Total	amount (D)	2,67,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	27.10.23	3,10,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	27.10.23	27,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	27.10.23	13,00,000/-				
Total	l amount (E)	3,50,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	03.11.23	3,10,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	03.11.23	27,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	03.11.23	13,00,000/-				
Total	l amount (F)	3,50,00,000/-				
F.No. 55-2/2023-TS.1 GEN 31	07.12.23	1,83,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	07.12.23	16,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	07.12.23	8,00,000/-				
Total a	2,07,00,000/-					
F.No. 55-2/2023-TS.1 GEN 31	07.02.24	8,93,00,000/-				
F.No. 55-2/2023-TS.1 SC 31	07.02.24	76,00,000/-				
F.No. 55-2/2023-TS.1 – ST 31	07.02.24	38,00,000/-				
Total	10,07,00,000/-					
Total grant received	I [A to H]	36,81,00,000/-				

Against total available funds during the Financial year 2023-24 of Rs. 36,81,00,000/- [Opening balance: Rs. NIL + Grant received: Rs. 36,81,00,000/-], a sum of Rs. 36,87,27,044/- was utilized for Recurring expenditure leaving closing balance under General Head [OH: 31] of Rs. NIL as on 31.03.2024. Excess expenditure of Rs. 6,27,044/- only over and above released grant under head OH: 31 was met from internal resources of the Institute.



Internal Resources of Rs. 40,46,23,000/- 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, New Recruitment application fees 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 Furniture & Fixtures, Repair & Maintenance expenses on Furniture & Fixtures, 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.

Refund of interest earned on govt. grants for the Financial year 2023-24:- The Institute refunded interest earned on govt. grants amounting to Rs. 48,95,875/- only to Consolidated Fund of India i.e. Non-tax Receipt Portal of www.bharatkosh. gov.in and informed to the MoE for records.





Institute Activities



JAN- BHAGIDARI PROGRAMS 2023 (June 1-5, 2023)

IIIT-Allahabad celebrated World Environment Day 2023 with a week-long series of events under the theme "One Earth, One Family, One Future" (VasudhaivaKutumbkam). These activities included a plantation drive, an e-slogan and poster competition, solar panel cleaning, composting, sustainable shopping promotion, an environmental commitment ceremony, a bicycle drive, and mass vehicle pollution checks. The celebration from June 1 to June 5, 2023, successfully raised environmental awareness among the campus community, fostering a commitment to a greener future. The bicycle drive aimed to highlight the connection between physical activity and environmental well-being. IIIT-Allahabad remains dedicated to sustainability and environmental preservation, pledging to continue organising impactful events for a brighter and more sustainable tomorrow.

Energy Swaraj Yatra (26 June 2023)

Renowned as the "Solar Man of India," Professor Chetan Singh Solanki, founder of the Energy Swaraj Foundation, graced our campus to raise awareness about solar energy. His visit emphasised individual energy conservation as a crucial tool to combat global warming, urging a shift from carbon-based energy sources like coal.

Solanki introduced the AMG (Avoid, Minimise, Generate) approach for energy use changes and discussed the evolving climate, its causes, responsible parties, and actionable steps for individuals and organisations to address climate issues locally.



He advocated "Energy Swaraj"—local energy generation and use—as a solution, highlighting the importance of individual action beyond government policies. The Energy Swaraj Yatra, a solar bus journey from November 2020 to December 2030, aimed to create a national movement for Energy Swaraj and climate change mitigation. Solanki's visit inspired us to embrace sustainability and take collective action for a greener future.

Yoga Day (21st June 2023)



International Yoga Day is celebrated annually on June 21st, coinciding with the summer solstice, to promote yoga's numerous benefits. It emphasises holistic well-being, balance in modern lives, and physical, mental, and spiritual harmony. Yoga enhances mindfulness, reduces stress, and boosts overall health. The 2023 theme is "Yoga for VasudhaivaKutumbakam," symbolising our shared vision of "One Earth, One Family, One Future."

Partition Horror (14th August 2023)



On August 14, 2023, at 4:00 pm, IIIT commemorated Partition Horror Remembrance Day in the Admin Auditorium. Prof. Anand Shankar Singh Ji, principal of IS PG College Prayagraj, delivered a moving lecture. This day, known as VibhajanVibhishika Smriti Diwas, started in 2021 following Prime Minister Narendra Modi's announcement. It honours the victims and hardships of the 1947 partition of India, reminding us of the need to eliminate social divisions and foster unity and harmony among all Indians. India faced this separation, with families displaced and lives lost. This day emphasises the importance of social harmony and human empowerment.

Har Ghar Tiranga (13 to 15 August 2023)



'Har Ghar Tiranga,' part of Azadi Ka Amrit Mahotsav, encouraged individuals to bring the Indian flag into their homes and hoist it for India's 75th Independence Year. IIIT-A celebrated this initiative from August 13 to 15, with 222 participants hoisting the national flag on their terraces, promoting awareness and patriotism. A lively rally on August 14 showcased the affection and respect of a significant number of IIITans for the National Flag. Participants also changed their display pictures to feature the Tiranga on August 13 and 15, symbolising their unity and patriotism.

Meri Maati Mera Desh (8 September 2023)



IIIT Allahabad observed the "Meri Maati Mera Desh" campaign on September 8, 2023, at 5:00 pm, with a significant turnout. This event, which began on August 9, 2023, as part of the 'Azadi Ka Amrit Mahotsav,' pays tribute to the brave individuals who made sacrifices for the nation. "Meri Maati Mera Desh" envisions a unified celebration of India's soil and valour, commemorating the nation's journey of freedom and progress. By connecting with the land and honoring our heroes, this program will instill a sense of national pride and inspire future generations to protect India's cherished heritage



OSD / Deans/ Associate Deans



Dr. Akhilesh TiwariOfficer-on-Special-Duties



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



Prof. Shekhar Verma Dean (SDA)



Prof. Manish Goswami Dean (A&R)



Prof. AnupamDean (Alumni Affairs)



Prof. O. P. Vyas Dean (TD)



Prof. Madhvendra Misra
Dean (INR)



Prof. Ranjit SinghDean (Student Affairs)



Dr. Manish Kumar Associate Dean (S&P)



Dr. S. Venkatesan Associate Dean (NMHC)



Dr. Ashutosh K. Singh Associate Dean (S&M)

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



Dr. Prasanna Mishra Chairman (CoW)



Dr. Akhilesh Tiwari Chief Proctor



Dr. K. P. Singh HoD (IT)



Dr. Sanjai Singh HoD (ECE)



Dr. Ratan Kumar Saha HoD (AS) till 07/01/2024



Dr. Pramod Kumar HoD (AS) from 08/01/2024



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

Wardens

(Till 07/01/2024)



Dr. Sunny Sharma Warden, Boys Hostel-I



Dr. Srijit Bhattacharjee Warden, Boys Hostel-II



Dr. Anshu S. Anand Warden, Boys Hostel-III



Dr. Mohd. JavedWarden, Boys Hostel-IV



Dr. Amar Nath Yadav Warden, Boys Hostel-V



Dr. KavindraKandpal Warden, Boys Hostel-V



Dr. Anjali Gautam Warden, Girls Hostel-I



Dr. Seema Kushwaha Warden, Girls Hostel-II



Dr. Savitri Joshi Warden, Girls Hostel-III

(From 08/01/2024)



Dr. Nabajyoti Majumdar Warden, Boys Hostel-I



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



Dr. Upendra Kumar Warden, Boys Hostel-III



Dr. Md. JavedWarden, Boys Hostel-IV

Functionaries



Dr. Surya Prakash 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. Satish Kumar Singh Registrar (Acting) (25.10.2022 onwards)



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



Dr. AsheeshKumaarJoint Registrar (AAA)
Date of Joining:10.01.2001



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



Dr. Seema Shah Joint Registrar (S&P) Date of Joining:13.08.2000



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



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



Sh. Niranjan Kumar Assistant Registrar (IRI & IWD) Date of Joining:16.03.2016





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



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



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

Technical Officers



Dr. Mithilesh Kumar MishraTechnical Officer (SS)
Date of Joining: 29.08.2000



Sh. AbhinabaBasu
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. Kaushlesh Dwivedi, Medical Officer (General Physician)
- 2. Dr. Ashok Kumar Singh, Medical Officer (Surgeon)
- 3. Dr. Pritima, Medical Officer (Gynaecologist)
- 4. Dr. Avinash Jaiswal, Medical Officer (Orthopedist)
- 5. Dr. K. S. Pandey, Medical Officer (Homeopathic)

Support Staff



Sh. Rajeev Kumar Bhatia Superintendent Date of Joining: 04.06.2003



Sh. Himanshu PandeyJunior Technical Superintendent
Date of Joining: 23.10.2012



Sh. Rajendra Singh BishtSuperintendent
Date of Joining: 01.09.2000



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



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



Sh. Pankaj SrivastavaJunior Technical Superintendent
Date of Joining:17.03.2005



Sh. Yogesh KardamTechnical Superintendent
Date of Joining: 21.08.2000



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



Sh. Anil BhadauriaAssistant Engineer
Date of Joining: 06.03.2010



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



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Sh. Akhilesh KumarJunior Engineer
Date of Joining: 06.03.2010



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



Sh. Satya Prakash Sahu JuniorEngineer Date of Joining:11.04.2016



Dr. (Mrs.) Pallavi DixitJunior Technical Superintendent
Date of Joining: 06.12.2018



Sh. Avinash Mishra Junior Engineer Date of Joining: 22.10.2019



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



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



Mrs. Pratibha VermaJunior Technical Superintendent
Date of Joining: 25.10.2012





Sh. Sanjay KumarJunior Superintendent
Date of Joining:13.07.2012



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Sh. Ajit KumarJunior Technical Superintendent
Date of Joining:18.11.2021



Sh. Sunil KashyapJunior Superintendent
Date of Joining: 01.08.2012



Mrs. Priya Pal StaffNurse Date of Joining: 05.11.2012



Sh. K. S. AeronJunior Superintendent
Date of Joining: 30.05.2003



Mrs. BlessyAnieShaiju Staff Nurse Date of Joining:15.11.2012



Ms. Ankita JaiswalJunior Superintendent
Date of Joining:11.02.2016



Sh. Vinod NarayanTripathi
Pharmacist
Date of Joining:13.04.2010



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



Mohd. Izhar Pharmacist Date of Joining: 23.04.2010



Mohd. Saleem Ansari Junior Superintendent **Date of Joining:** 04.02.2011



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



Mrs. Asha Shukla Junior Superintendent Date of Joining: 04.02.2011



Sh. Pankaj Mishra Senior Assistant Date of Joining: 15.02.2007



Ms. Jagriti Bajaj Junior Superintendent Date of Joining: 09.03.2016



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



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



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



Sh. Neeraj SrivastavaJunior Superintendent
Date of Joining: 01.02.2016



Sh. Manish KhareSenior Assistant
Date of Joining: 26.05.2016



Sh. Kapil SrivastavaJunior Superintendent
Date of Joining: 23.10.2012



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



Sh. Abhishek PandeyJunior Superintendent
Date of Joining: 23.10.2012



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



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Sh. Manohar KumarJunior Superintendent
Date of Joining: 23.12.2021



Sh. Abhishek Kumar Senior Assistant Date of Joining: 06.11.2012



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



Mrs. Prabha Verma Senior Assistant Date of Joining: 15.11.2012



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



Mrs. Ritu Srivastava Junior Assistant Date of Joining: 27.12.2013



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



Sh. Jay SinghJunior Assistant
Date of Joining: 21.06.2019





Sh. SantoshJunior Technical Superintendent
Date of Joining: 22.02.2011



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Sh. VaibhavJunior Assistant
Date of Joining: 09.07.2019



Sh. Shailendra SinghJunior Technical Superintendent
Date of Joining: 17.03.2005



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



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



Sh. Dheeraj Yadav Junior Assistant Date of Joining: 09.12.2021



Sh. Ashutosh ShuklaJunior Technical Superintendent
Date of Joining: 04.02.2011



Sh. Raj Kumar Rawat
Driver
Date of Joining: 01.03.2003



Sh. Rajit Ram YadavJunior Technical Superintendent
Date of Joining: 23.10.2012



Sh. Satish Kumar
Driver
Date of Joining: 24.06.2008



Indian Institute of Information Technology Allahabad

Sanctioned Posts, Recruitment (with **Backlogs) & Vacancies**

Teaching

		Total Person In	Vacant			Persons i	n Positio	n	
Cadre wise	Total Sanctioned Strength	Position SC	Position Positions		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 2023-24

Category	SC	ST	OBC	EWS	Total
No. of Post Filled	07	01	06	0	14

Non-Teaching

	Total			Persons in Position					
Group wise	Sanctioned Strength	Total Persons in Position SC	Vacant Positions ST	ОВС	EWS	UR	PwD		
Group A	19	13 + 02 (Medical Officers from Contract)	02 Promotional Posts + 02 Open Recruit Posts	01	-	02	-	11	01
Group B	44	42	01 Open Recruit Post + 01 Promotional Post	04	-	80	01	29	-
Group C	22	18	04 Promotional Posts	02	-	03	01	12	-

Filling up Backlog Vacancies during 2023-24

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

NOTES

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Indian Institute of Information Technology, Allahabad

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