Atal Bihari Vajpayee
Indian Institute of Information Technology and
Management Gwalior

विश्वजीवनामृतं ज्ञानम्

ANNUAL REPORT
2022-23

ACADEMIC YEAR:
July 2022-June 2023)

CELEBRATING
25
Years

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It's a matter of pride for me, as a chairman of Atal Bihari Vajpayee-Indian Institute of Information Technology and Management (ABV-IIITM) Gwalior, to write a note on the release of its annual report. I am pleased to know the achievements of our faculty, staff, and students in various domains. The all-around activities performed by the faculty and students of the institute during the 2022-23 session, are remarkable and will certainly be a stepping stone for a number of future cognitions. I am happy to note the following specific developments of ABV-IIITM Gwalior:

- Exponential growth has been observed in R & D activities, by the faculty and students of the campus.
- More than 15 faculty members were selected and have joined.
- Faculty research initiation grant of up to 10 lakhs is given to newly joined (external) faculty members.
- Six dean positions (DOAA, DOFA, DORC, DODP, DOSA, DAER) have been created and made their offices fully functional to support the institution's growth.
- Five departments (Computer Science and Engineering; Mathematics &Scientific Computing; Electrical and Electronics Engineering; Engineering Sciences and Management Studies)
- With an objective of synergy between students, faculty, and administration, a student activity council has been reformed.
- Results of various academic and administrative reforms can be seen in improved perception of the Institute.
- The placement statistics of the institute have been remarkable, especially the summer internship and on-campus drives.
- ABV-IIITM Gwalior has been recognized in the band "PROMISING" under the category "Institute of National Importance & Central Universities/ CFTs (Technical)" in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2021, a flagship program of the Ministry of Education, Government of India.
- The NIRF 2022-23 ranking of the Institute has improved remarkably and is motivating as NIRF 2022 ranking of the Institute stood at 78 in "Engineering" and 58 in the "Management" Category.
- Scientific publications by faculties have increased significantly and are exceptional.
- The institute has signed a good number of MoUs and collaborations with Indian and overseas academic as well as scientific institutions.
- The first Atal Research and Incubation Conclave (ARIC 2022) has successfully been organised during December 8-10, 2022, and witnessed 28 speakers from Industry, Governance, Academia, and startups.
- A very successful Alumni meet was organized during January 15-16, 2023 followed by the celebration of the foundation day of the institute on 17 January 2023.

A remarkable improvement in the closing rank of the Institute in various academic programmes confirms that the Institute continuously attracts quality students, faculty, and staff, including overseas students from neighbouring countries. I am sure that this trend will continue in the future too.

This institute has made sufficient efforts to disseminate its knowledge base through various Management Development Programmes/Faculty Development Programmes/International conferences/Seminars and workshops in niche areas. Such events have strengthened our networking with other institutions, through visits of visitors connected through online/offline mode from India and abroad. I am happy to know that campus infrastructure has remarkably been improvised at various corners. Time to time, the Institute Board members, the officials from the Ministry of Education and distinguished professionals serving on various statutory committees of the Institute have made priceless contributions towards the growth and evolution of the Institute.

I accolade the students, faculty, and staff members of the Institute for their worthy contributions in making the Institute a vibrant and organic entity.

I wish the Institute a grand success in its pursuit of global excellence.

Deepak Ghaisas
Chairman, BoG

It gives me an immense pleasure to warmly welcome the readers of the Annual Report for the academic year 2022-23. The Atal Bihari Vajpayee-Indian Institute of Information Technology and Management (ABV-IIITM) Gwalior, established under the Ministry of Education, Government of India, has always been steadfast in its commitment to advancing education, research, and outreach activities in the specialized realms of IT and Management, supported by the bedrock of applied sciences. This report thoroughly explains the numerous activities carried out throughout the year.

As we commemorate our 25th year of establishment, we are proud of our long history of providing high-quality education, breakthrough research, and vital services to local, national, and international communities. Our academic portfolio includes a four-year BTech program in Computer Science and Engineering, a five-year integrated postgraduate program (BTech in IT + MTech), and a five-year integrated postgraduate program (BTech in IT +MBA) with the opportunity to graduate with a BTech (IT) degree after four years. The Institute stands as a beacon of pride, offering a rich tapestry of postgraduate programs that encompass a prestigious two-year MBA program featuring six elective-based specializations, specialized two-year M.Tech degrees spanning three distinct fields, and an expansive suite of full-time, part-time, and QIP Ph.D. programs spanning a vast array of subjects. As we look forward to the upcoming academic year of 2023-24, we are excited to introduce two new 4-year BTech programs in Electrical & Electronics Engineering, and Mathematics & Scientific Computing, further expanding our commitment to academic excellence.

From July 2022 through June 2023, the notable milestones in academics, research, and student participation occurred. We have embarked on a journey of transformation in alignment with the visionary New Education Policy of 2020, aimed at enhancing our students' educational journey. We have introduced many initiatives in our relentless pursuit of excellence, enriching their academic experiences. These include expanded options for branch changes after the first year, the introduction of multiple exit options, summer terms, off-campus international internships policy, the innovative concept of dual specializations with minor degrees, seamless conversion pathways from regular MTech to Ph.D., and the transition from regular Ph.D. to Part-time Ph.D. Additionally, we have diligently established a range of scholarships to empower our undergraduate and integrated postgraduate students in their educational pursuits. In the first half of the academic year, we successfully organized the Institute Convocation 2022, international conferences, and the rejuvenation of the Student Activities Council. The significant increase in faculty strength has boosted ABV-IIITM Gwalior rankings to 88th in Engineering and 68th in Management.

In the second half of the academic session, the Institute soared to new heights in academia, research, and student engagement. During this period, the confluence of various apex bodies within the Institute, including the Senate, Finance Committee, and Board of Governors, yielded fruitful outcomes. These deliberations led to the meticulous planning of our upcoming fourth Convocation in July 2023 and the effective implementation of several pivotal academic and infrastructural initiatives to elevate our institutional excellence further. The dawn of 2023 was marked by two notable events poised to become cherished annual traditions – the January Alumni Meet and the Foundation Day celebration from 15th to 17th January. These occasions served as a platform for reconnecting with our illustrious alumni and honored the outstanding contributions of two distinguished faculty members through awards.

We proudly embarked on numerous funded and consultancy projects from esteemed Indian institutions and international organizations, fortifying our commitment to fostering excellence. The strategic recruitment of accomplished faculty members, complemented by the awarding of Faculty Research Initiation Grants to our newly acquired external talents, amplified the breadth and depth of our research endeavours on campus. To foster collaborative research on both national and international fronts, the Institute has taken proactive steps by forging meaningful Memorandums of Understanding (MOUs) with esteemed institutions such as Ryukyus University in Japan, the National Institute of Electronics and Information Technology (NIELIT) in New Delhi, Rajmata Vijayraje Scindia Krishi Vishvidyalay (RSKVV) in Gwalior, Shraman Foundation in the USA, Michigan Technological University in the USA, the Research Centre FEB at the Russian Academy of Science in Russia, and Tribhuvan University in Nepal, among others.

Despite the challenges posed by the IT market recession, our dedicated Career Development and Placement Cell achieved remarkable success, securing placements for 86% of our students in renowned multinational companies, with an impressive average CTC of 22.5 LPA. Numerous exciting summer internship opportunities have been extended to our third-year students, further enriching their educational journey and professional growth.Our steadfast vision remains unwavering to become a model of global education, a luminary in knowledge generation, acquisition, and dissemination. We are committed to societal advancement and developing persons with specific expertise, thorough research acumen, adept communication, and adept problem-solving talents.

I express my heartfelt gratitude to my faculty colleagues, officers, staff, alumni, and, most notably, the students who have made us proud through their remarkable efforts in academics, R&D, start-ups, and administration. My special appreciation goes to the dedicated committee members, whose dedication has methodically molded this report into its graceful final form, enabling its timely publication. I am persuaded that this report will be an invaluable source of information for everyone associated with our Institute, directly or indirectly.

Prof. Sri Niwas Singh
FIEEE (USA), FIET(UK), FNAE, FIE(I), FIETE, FAAIA
Director

ABV-IIITM Gwalior: A Brief

ABV-IIITM Gwalior is an autonomous Institute of National Importance, established by the Ministry of Human Resource Development, Government of India, in 1997 to nurture information technology (IT) and management education in the country. It strives to become a brand name as a world-class institution. The Institute has the vision to achieve this goal through research and teaching to shape students into innovative, entrepreneurial, internationally acceptable and confident individuals, thereby playing the role of leaders in various domains at the national and international levels. Here, the curriculum has been designed in such a way so as to have both information technology tools and management concepts integrated to create a synergetic approach for rendering techno-economic solutions to the various problems at the local as well as global levels. This institute awards degrees at Graduate, and Master's levels in the fields of Computer Science, IT and Management. The doctoral program has been opened to Engineering Sciences, Management, IT, CS and Electronics. The Institute is a residential campus that includes specific blocks for administration, academics, a library, a hostel for girls and boys and family quarters for faculty, officers, and staff. The whole green campus is built on 150 acres and accommodates competent faculty and state-of-the-art labs. The campus is self-contained with all the basic amenities needed for students, staff and faculty.

In pursuance of the **vision of global excellence in the knowledge economy**, the Institute's **missions** are:
- Teaching and research with a focus on emerging technologies, business processes and high-tech solutions in a low-tech environment.
- Integrating technologies and management in a cross-culture environment;
- Shaping students to be innovative, entrepreneurial, supportive, assured and international.

The Institute believes in a collaborative and entrepreneurial environment, facilitating people to join together in multiple ways and contribute to nation-building.

Organisation of the Institute

ABV-Indian Institute of Information Technology & Management (ABV-IIITM) Gwalior is an apex Institute set up by the Ministry of HRD, Government of India, established for providing education, research and training in the cusp areas of IT and Management. The primary objectives of the Institute are to:
- Create an environment of learning and training that enhances knowledge and inculcates a continuous process of self-evaluation;
- Develop innovative study programs and customized support services in keeping with current demands of the market;
- Channelize information technology-enabled solutions towards offering business solutions, achieving economic growth and establishing social parity;
- Undertake outreach activities and extension programmes that contribute to societal needs.
- To achieve our objectives, we follow a **value-based education system** that impinges on:
- Freedom of thought and expression;
- Human values and ethical practices;
- Excellence in learning and research;
- Creative and interactive teaching;
- Sustainable livelihood and growth.

The Institute's governance structure consists of the Board of Governors, Finance Committee and Academic Senate. The Institute functions through this governance structure in all aspects of academics, finances and planning for the Institute. The Board of Governors is responsible for overseeing the administrative and business affairs of the Institute, including issues such as tuition policy, the Institute budget & finances and campus buildings. The Academic Senate is responsible for all the academic activities at the Institute.

Institute Management

The Institute's activities are managed through a Board of Governors (BOG) headed by the Chairman. The BOG provides directions and is assisted by various committees for specific issues of finance, building and works, research, etc. The Academic Senate includes members from inside as well as outside the campus, chaired by the Director of the Institute, who decides the academic policy of the Institute with respect to curriculum, courses and examination results etc. The director is responsible for running the day-to-day affairs of the Institute, strengthening the core facilities, ensuring the smooth running of classes, and providing basic facilities for faculty, staff, students, etc. Director is Chairman of the Building & Works Committee (B&WC) as well as the Academic Senate. All efforts are being made to create an academic-friendly environment in the Institute. The director, in particular, takes care of providing all the necessary facilities, including excellent infrastructure for sports and other recreational activities.

Meetings Conducted during 2022-23

Meetings of Board of Governors	**06** (02/2022, 03/2022, 04/2022, 05/2022, 01/2023, 02/2023)
Meetings of Finance Committee	**05** (02/2022, 03/2022, 04/2022, 01/2023, 02/2023)
Meetings of Academic Senate	**05** (02/2022, 03/2022, 04/2022, 01/2023, 02/2023)
Meetings of Building Works Committee (BWC)	**04** (02/2022, 03/2022, 01/2023, 02/2023)

Board of Governors

The composition of the Board of Governors during academic year 2022-23 is as follows:

S. No.	Name	Designation
1.	**Shri Deepak Ghaisas,** Chairman, BoG, ABV-IIITM Gwalior	Chairman
2.	**Prof. Sri Niwas Singh,** Director, ABV-IIITM Gwalior	Member
3.	**Director (IIITs)** Ministry of Education, Govt. of India, Shastri Bhavan, New Delhi - 110015	Member
4.	**Additional Secretary and Group Coordinator**, Ministry of Electronics and Information Technology Room No. 4070, Electronics Niketan, 6, CGO Complex, New Delhi - 110 003	Member
5.	**Principal Secretary,** Department of Information Technology, M P Govt., Ballabh Bhawan, Bhopal.	Member
6.	**Director,** Indian Institute of Technology, Bombay. Powai, Mumbai 400 076	Member
7.	**Director,** Indian Institute of Management Calcutta Diamond Harbor Road Joka, Kolkata (Calcutta) - 700104	Member
8.	**Prof. Anil D Sahasrabudhe,** Chairman, All India Council for Technical Education (AICTE) 7th Floor, Chander Lok Building, Janpath, New Delhi-110001	Member
9.	**Ms Vidya Natampally** Ex Sr. Director – Strategy, Microsoft Research India, 9, Lavelle Road, Bangalore-560 001	Member
10.	**Prof. G. K. Sharma** Professor, ABV-IIITM Gwalior	Member
11.	**Prof. Joydip Dhar** Professor, ABV-IIITM Gwalior	Member
12.	**Mr. Pankaj Gupta Registrar (I/c)** ABV-IIITM Gwalior	Secretary

Finance Committee

The composition of the FC academic year 2022-23 is as follows:

S. No	Name	Designation
1.	**Shri Deepak Ghaisas** Chairman, BoG ABV-IIITM Gwalior	Chairman
2.	**Director (IIITs)** Ministry of Education, Govt. of India, Shastri Bhavan, New Delhi - 110015	Member
3.	**Mr. Anil Kumar** **Director (Finance)** Ministry of Education, Govt. of India, New Delhi	Member
4.	**Prof. A.K. Mittal (Retd.)** B-263, Prodyogiki Plot 11Sector 3, DWARKA DELHI 110078	Member
5.	**Prof. Sri Niwas Singh** Director, ABV-IIITM Gwalior (w.e.f. 08.04.2022)	Member
6.	**Prof. Joydip Dhar**, Professor, ABV-IIITM Gwalior	Member
7.	**Joint Registrar (F&A),** ABV- IIITM Gwalior	Secretary

Building & Works Committee (BWC)

The composition of the BWC academic year 2022-23 is as follows:

S. No	Name	Designation
1	**Prof. Sri Niwas Singh**	DirectorABV-IIITM Gwalior
2	**Shri Anil Kumar Jain**	Special Director General, CPWD (Retd)
3	**Er. Rajiv Garg**	Ex. Superintending Engineer, IIT Kanpur
4	**Prof. Manish Kumar Goyal**	Dean Infrastructure and Development, IIT Indore
5	**Prof. Sanjeev Singh**	Professor, Deptt. of Architecture,SPA Bhopal
6	**Prof. Anurag Srivastava**	In-Charge, Dean Planning & Development, ABV-IIITM Gwalior
7	**Mr. Pankaj Gupta**	Registrar In-charge

Academic Senate:

S.No.	Name	S.No.	Name
1.	**Prof. Sri Niwas Singh** Director ABV-IIITM Gwalior& Chairman Senate	13.	**Prof. K V Arya** ABV-IIITM Gwalior
2.	**Prof. Kripa Shankar** Ex professor IME, IIT Kanpur	14.	**Prof. P K Singh** ABV-IIITM Gwalior
3.	**Prof. Manindra Agrawal** Ex Professor, CSE, IIT Kanpur	15.	**Prof. Anurag Srivastava** ABV-IIITM Gwalior
4.	**Prof. C S Rao** Prof. Deptt of Mathematics, IIT Delhi	16.	**Prof. Joydip Dhar** ABV-IIITM Gwalior
5.	**Shri Atanu Roy,** Group CIO, Biocon Mumbai	17.	**Prof. Manoj Patwardhan** ABV-IIITM Gwalior
6.	**Mr. Kunal Kapoor** EA to MD Sun Pharma, Mumbai	18.	**Prof. Pankaj Srivastava** ABV-IIITM Gwalior
7.	**Mr. Anurag Upadhyay** ASO PM Office New Delhi	19.	**Prof. Manisha Pattanaik** ABV-IIITM Gwalior
8.	**Prof. G K Sharma** ABV-IIITM Gwalior	20.	**Prof. Gyan Prakash** ABV-IIITM Gwalior
9.	**Prof. S Tapaswi** ABV-IIITM Gwalior	21.	**Prof. Naval Bajpai** ABV-IIITM Gwalior
10.	**Prof. Rajendra Sahu** ABV-IIITM Gwalior	22.	**Dr. Gaurav Agrawal, Special Invitee**, ABV-IIITM Gwalior
11.	**Prof. Aditya Trivedi** ABV-IIITM Gwalior	23.	**Dr. Binod Prasad, Special Invitee** ABV-IIITM Gwalior
12.	**Prof. Mahua Bhattacharya** ABV-IIITM Gwalior	24	**Mr. Pankaj Gupta** Registrar (I/c) & Secretary Senate ABV-IIITM Gwalior

Institute Infrastructure

Institute has a quality infrastructure in terms of its buildings, equipment and other facilities, spreading over 150 acres; this includes about 5 acres constructed land and the rest as Greenland. The few very important to be mentioned are

- 24x7 Internet facilities
- 24x7 Security
- 24x7 Electricity
- Offline and online library: Access to research journals and magazines.

Assets/Building Resources

Boys Hostel	4	Open Air Theatre	1
Girls Hostel	1	Auditorium	1
Recreation Hall	1	Convention Centre	1
Sports Complex	1	Institute Canteen	1
Bank	1	Post Office	1
MDP Centre	1	Visitor Hostel	1

Barrier Free Roads

The Institute is sensitive towards the needs of the Persons with disabilities (PwD). As a part of our commitment, we have attempted to make the campus with barrier-free roads. The table below exhibits details of provisions for a barrier-free environment for PwD.

Name of Building	Ramp	Rail	Toilet
Admin. Building	Yes	Yes	Yes
Deptl. Block A	Yes	Yes	Yes
Block-B (LT.-I)	Yes	Yes	Yes
Block -B (LT II)	Yes	Yes	Yes
Deptl. Block-C	Yes	Yes	Yes
Deptl. Block-D	Yes	Yes	Yes
Deptl. Block -E	Yes	Yes	Yes
Deptl Block-5	Yes	Yes	Yes
Boys Hostel-1	Yes	Yes	Yes
Boys Hostel-2	Yes	Yes	Yes
Boys Hostel-3	Yes	Yes	Yes
Girls Hostel	Yes	Yes	Yes
Cafeteria	Yes	Yes	Yes
Sports Complex	Yes	Yes	Yes
Open Air Theatre	Not needed	Not needed	Yes
International Visitors' Hostel	Yes	Yes	Yes
MDP Centre	Yes	Yes	Yes
Seminar Hall	Yes (From outside)	Yes	No
Learning Resource Centre (LRC)	Yes	Yes	Yes
ATM and Bank	Yes	Yes	Yes
Seminar hall	Yes	Yes	Yes
Dispensary	Yes	Yes	Yes

Institute also provides lifts in the Library Resource Centre and in the new academic block (LT-II).

Other Facilities

In addition to the above-mentioned amenities in campus, Institute also provides following facilities:
- Battery operated, Two Golf Carts for easy movement of visitors and campus residents,
- Wheelchairs in Hostels and in Health Centre.

Network Infrastructure Enhancement during 2022-23

In order to maintain a hassle-free network system, Institute initiated a few additions to network infrastructure detailed as below:

S. No	Work done
1	IT infra hardware AMC and maintenance of network infrastructure through M/s. Network - IE info systems Pvt. ltd., Indore.
2	Extension of campuswide network infrastructure to Satpura hostel & IVH hostel (Wi-Fi).
3	Procurement and Installation of CCTV infrastructure across the institute (LRC and Pocket A) as per indent from LRC & Security section.

Academic Programmes

A good academic environment prevails in the Institute that encourages learning at every level. A more interactive and analytical teaching method is pursued, instead of conventional processes. At the Institute, the teaching methods encourage learners to think and act more proactively and take up even the most challenging assignments with confidence. Students in this Institute not only have the best faculty to guide them in their academic endeavours but also are provided with the best infrastructure in terms of the latest-generation equipment and an all-facility campus.

Academic programmes are not compartmentalized at ABV-IIITM Gwalior. Here, students pursuing M Tech are offered lessons in management; while those studying MBA are provided adequate trainings in the use and applications of information technology tools. Student assessment is a continuous process that involves home assignments, classroom tests, laboratory tasks, presentations, projects, and surprize quizzes. The principal idea behind such an approach is to make students self-reliant and confident to face challenging situations. As per the decision of BoG, the institute has created following five departments:

- Department of Engineering Science
- Department Information Technology
- Department of Computer Science
- Department of Electrical and Electronics Engineering
- Department of Management Studies

These departments run their specified programs like:

- **B Tech (Computer Ecience and Engineering)** : A four years Bachelor in Technology degree course in the Computer Science Branch has been started in July 2017. The last batch was admitted with an intake of 76 students.

- **BTech (Electrical and Electronics Engineering)** : Will start from 2023-24 session

- **BTech (Mathematics and Scientific Ccomputing)** :Will start from 2023-24 session

- **Integrated Post Graduate (IPG) MTech and MBA:** Since 2008, Institute has started a 5-year integrated postgraduate program to offer a synchronized curriculum covering facets of IT and Management. Keeping in line with market demand and societal needs, it is essential to groom professionals capable of handling the challenges that have emerged in the last few years and various unresolved problems of the community and can be solved through IT enabled products and services. This course has been particularly designed to address the situations that demand a comprehensive solution synchronizing management and IT. Candidates, after successful completion of this course, are expected to tackle specific requirements in resource optimization and integration of existing and new technologies. This is a 5-year or 10 semester course IPG-MT (Information Technology); IPG-MBA, where the first 6-semesters cover the B.Tech. Curriculum, while the remaining 4 semesters could be focused on either MTech or MBA. Candidates opting for MTech are entitled to stipends.

The admission to BTech (CSE), IPG-MBA and IPG-MTech programmes are through CSAB (Central Seat Allocation Board) counselling. The closing Ranks of JEE (mains) for the last three years for General candidates is shown in the table below:

Year	Closing Rank for General Candidates	Year	Closing Rank for General Candidates	Year	Closing Rank for General Candidates
2020	IMG – 27777 IMT – 22247 BCS – 12477	2021	IMG – 25433 IMT – 18301 BCS – 12237	2022	IMG – 14912 IMT – 12143 BCS – 7208

Post Graduate – M Tech (Master in Technology)

This is a 4-semester program ideally completed in two years leading to an M.Tech. degree in Computer Science and Engineering. The objective of this postgraduate course is to create experts and professionals in information technology with a view on developing skills that are able to match the demands of the complexities of the present generation in the IT industries, Academia as well as Scientific Laboratories. Under present circumstances, it is essential to have technologies that are sharp and purposeful. The M Tech program is aimed at developing experts with focus on technical capabilities and managerial abilities. The M.Tech. Programruns with specializations, like, Computer Networks, Information Security and VLSI Design and Embedded Systems. The first two semesters are dedicated to the coursework, while the remaining two semesters are meant for research-based projects/dissertations.

The admissions are through the merit of GATE score, followed by written and/or personal interview.

Post Graduate – MBA (Master of Business Administration)

This is also a 4-semester program leading to an MBA degree. The course has been designed keeping in mind the requirements of present-day business trends and industrial outlook. The objective of the program is to create innovative professionals for functional like marketing, finance, human resources, and business operations. Current generation applications include SCM (Supply Chain Management), ERP (Enterprise Resource Planning), CRM (Customer Relationship Management), and e-Commerce.

Students are selected through valid CAT/MAT/CMAT scores followed by group discussion and personal interview.

Doctoral Program – PhD

Every year, ABV-IIITM Gwalior awards an impressive range of doctoral degrees-the most advanced and prestigious degrees that universities confer. The doctoral program gives students unparalleled expertise in the related area of research. Candidates work under the supervision of distinguished faculty of campus, learning side by side with varied and accomplished scholars. The Institute offers doctoral programs in the broad areas of Engineering Science, Electronics, IT and Management. These doctoral programs are mostly it gets completed within 3-5 years. Candidates pursuing PhD programs are entitled to get stipends as per the norms set by MoE (Ministry of Education) and subject to the fulfilment of academic prerequisites by the Institute from time to time.

Students for this program are selected through written test, presentation, personal interaction, presentation of any potential area of research, in his/her proposed area conducted by the Institute. The admission process is transparent, and objective. The expert panel, includes the in-house as well as faculty drawn from IITs/IIMs, is constituted for the selection process. Admissions are done twice a year (as in IITs). The following is the statistics of last three years admission process:

Academic Year	Applications Received	Number of Candidates Shortlisted	Number of Candidates Selected
2020-21	224	93	24
2021-22	94	96	13
2022-23	182	116	25

Award of Doctoral Degree (2022-23)

S.N.	Name of Ph.D. Scholar	Date of Registration	Supervisor(s)	Thesis Title	Viva-Voce held on
1	Vishal Pradhan	20.07.2016	Prof. J. Dhar / Dr. Ajay Kumar	Software Reliability Growth Models with Various Environmental Factors and Optimal Release Behavior	01.07.2022
2	Gagandeep Kaur	23.07.2018	Prof. M. Bhattacharya / Dr. P. Chanak	Design and Development of Performance Evaluation Techniques for IoT-enabled WSNs	27.08.2022
3	Nilesh Kunhare	20.07.2016	Prof. R. Tiwari	Intrusion Detection System using Bio-Inspired Algorithms	13.09.2022
4	Shraddha Bhadauria	23.07.2018	Dr. Vinay Singh	Managing Open Innovation: Role of Organizational Culture, Transformational Leadership and Absorptive Capacity	10.10.2022
5	Neelam Arya	20.07.2015	Prof. G.K. Sharma / Prof. M. Pattanaik	Energy-Efficient VLSI Architectures using Approximate Computing Techniques for Multimedia Applications	23.12.2022
6	Sneha Upadhyay	25.07.2017	Prof. P. Srivastava	Doped Phosphorene and Antimonene Nanosheet as Anode Material for Na – ion Battery	24.03.2023
7	Monika Srivastava	25.07.207	Prof. Anurag Srivastava	Computational Investigations of Nanostructured Materials as Sensors for the Carcinogenic Elements in Water and Air	05.04.2023
8	Vijay Shankar Sharma	22.07.2019	Dr. Anuraj Singh	Study of Bifurcation, Resonance and Control in Discrete-Time Ecological Systems	10.04.2023
9	Sonal Agrawal	23.07.2018	Prof. Anurg Srivastava / Dr. Gaurav Kaushal	Computational Synthesis of One Dimensional Nanostructures for Interconnect and Sensing Applications	13.05.2023

Year	Course	Duration	GEN				GEN - EwS				OBC				SC				ST				DASA		SII		Total
			BOY	PwD (Boy)	GIRLS	PwD (Girl)	BOY	PwD (Boy)	GIRLS	PwD (Girl)	BOY	PwD (Boy)	GIRLS	PwD (Girl)	BOY	PwD (Boy)	GIRLS	PwD (Girl)	BOY	PwD (Boy)	GIRLS	PwD (Girl)	BOY	GIRLS	BOY	GIRLS	
2022	B.Tech - CSE	4 Years	22	1	5	0	6	0	1	0	17	1	3	0	9	0	2	0	4	0	1	0	4	0	0	0	76
2022	IMT	5 Years	33	0	7	0	16	2	3	0	24	1	6	0	14	1	3	0	7	0	1	0	1	0	0	0	119
2022	IPG IMG	5 Years	22	1	5	0	6	0	1	0	14	1	3	0	9	0	2	0	4	0	1	0	0	0	0	0	69
2022	M Tech	2 Years	15	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	19
2022	MBA	2 Years	1	0	2		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0					4
2022	PhD	-	6	0	6	0	0	0	0	0	4	0	2	0	3	0	1	0	0	0	1	0	0	0	0	0	23

Students Admitted in 2022-23	
PhD	23
M Tech	19
MBA	4
IPG-MTech	119
IPG-MBA	69
B Tech (CSE)	76
Total	**310**

Total Students in 2022-23	
PhD	68
M Tech	66
MBA	19
IPG-M.Tech	566
IPG-MBA	330
B Tech (CSE)	311
Total	1360

Scholarships to the Students (2022-2023)

The Institute follows the guideline issued by MoE, GoI for a monthly payment of financial assistantship to the students enrolled in Post Graduate and PhD programmes.
Duration:
Masters level Rs. 12400 for 2 Years,
At PhD level Rs. 31000 (First 2 Years) and Rs. 35000 (for the remaining 3 Years)
The assistantship was disbursed to the following number of students:

S. No	Programme	Number of students getting assistantship
1	IPG 5th Year	50
2	M Tech (2021-22)	30
3	M Tech (2022-23)	17
4	PhD	46

In addition to above, tables below provide information pertaining to merit-cum-means scholarship disbursed during the year 2022-23.

S.No.	Name of Students	Roll Number
1	Keshav Krishna	2022BCS-039
2	Mukul Sharma	2022BCS-047
3	Rajiv Ranjan	2022BCS-056
4	Madhav Agarwal	2022IMG-036
5	Priyanshu Jaiswal	2022IMG-051
6	Mehul Gautam	2022IMG-040
7	Shubham Chaudhary	2022IMG-060
8	Nakka Sai Sankar	2022IMT-074
9	Ankesh Gupta	2022IMT-014
10	Karnam Dinesh Chandu	2022IMT-058
11	NarsingojiVamshiDhar	2022IMT-077
12	Parthkumar Mungra	2022IMT-082
13	Gontu Sandeep Kumar	2022IMT-045

Students of the institute have availed scholarship under various Central and State government scholarship schemes, enumerated as under:

i. National Scholarship Portal: 68 students
ii. MMVY of MP Government : 65 students
iii. UP Government Scholarship: 14 students
iv. Government of Jharkhand e-kalyan: 01 student
v. Shraman Foundation: 05 students

In addition to the above list, students have also availed scholarships from Central Government under NSP and other State Government Scholarships like MMMVY of MP Government as per the extant rules.

Career Development and Placement Cell Report

In August 2022, the placement session for session 2022–23 began. Our students' efforts in numerous organizations were highly praised throughout the summer internship session 2022–23. 14 of our students had obtained international offers. This year, roughly 5.5% of students obtained "Pre-Placement Offers (PPOs)" from prestigious businesses such as META (Facebook), Stripe, Google, Mercari Inc. Japan, Intuit, IBM-IRL, Groww, SRI-Bangalore, BNY, Optum, EarlySalary, Myntra, Walmart, Lowes India, Goldman Sachs, Infosys, Uber, Samsung SRI-B, and Innovacer.Apart from the regular recruiters, many new organizations expressed an interest in employing students for full-time positions during the session 2022-23. A total of 60 firms came to the institute for B.Tech, Dual Degree (B.Tech +M. Tech), Dual Degree (B.Tech + MBA), M.Tech, and MBA placements. The maximum package earned by a student in this batch was 65 LPA, and the total average package earned by students in this batch across all courses was 24.01LPA. A total of 277 students participated in the campus placement process, with several receiving multiple offers. Students also competed in a number of national and international coding competitions, including the ACM ICPC World Finals, Google Summer of Code (GSOC), CodeVita, and HackwithInfy, and were among the finalists in these competitions. Some of the students did not take part in the corporate placement process as they were keen on making their careers in the fields of Academics/ Civil Services/ PSUs. A brief report of the companies that visited the institute are as follows.

Regular Recruiters: Amazon, Microsoft, Dell R & D, Directi, MindTrickle, TCS, Infosys, HCL, The Smart Cube, IBM, Samsung R&D, Samsung SDS, Triology Inovvation, Nagarro, PWC (US), ZS Associates, Gojek, Oracle, Aganitha, Earlysalary, Toppr, Quetzal, Axtria, Yamaha, Ericsson R & D, Optum (UHM), Free Charge, Reliance Jio, Rakuten, Sharechat, American Express, Dellotie, IndiaMart Intermesh, Paytm, Publicis Sapient, TCS,Infosys, Zycus, Quantiphi, Intuit Yugabyte, Commvault System CVLT, K-Fintech, Accenture, Codeyoung, VMware, NI (National Instruments), Nutanix, Media.net, Turtlemint, ESAF Bank, D.E. Shaw, Sifive,Bizongo, Oneshot.AI, Synopsys, Grab-India, Homelane, Google, etc.

First-time Recruiters: Amazon Luxembourg, Mercari Inc Japan, Shipsy.io., PayU, Atlassian India LLP, ZETA Suite (Direct-i), Lambdatest, ZEOTAP, CRED, Blotout Inc, Anarock Tech, Paytm, CERN, ClearTax, Moengage, Housing .com, PeopleGrove, Kellton Tech, Optym.

S. No	Course	Total no. of students	Eligible students Placed	Placement % of Eligible students
1	BCS	80	72	90
2	IMT	102	86	84.31
3	IMG	65	52	80
4	PG-M.Tech	25	21	84
5	PG-MBA	5	5	100

Few of these students received more than one offer, where, initially they got lower packages and gradually fetched higher packages. Additionally, 175 students of the institute completed summer training in various reputed companies like Google, Facebook etc. The more detailed placement statistics is given below:

S. No.	Courses offered	Duration	Students Placed	Highest CTC (In LPA)	Average CTC (In LPA)
1.	B.Tech. (CS)	4 Years	72	65 LPA	22.20 LPA
2.	B.Tech.+M.Tech	5 Years	86	65 LPA	24.01 LPA
3.	B.Tech.+MBA	5 Years	52	50.5 LPA	16.7 LPA
4.	PG M.Tech.	2 Years	21	27 LPA	13.28 LPA
5.	PG MBA	2 Years	5	8.5 LPA	8.25 LPA
International Offers: 14					

The placement season for the session 2022- 2023 at ABV-IIITM Gwalior saw a surge in job offers given to the graduating students from batch 2023. More than 80 companies visited the Institute campus for hiring as six months internship, full time employment as well as 2-3 months internship. Besides this, a good number of summer interns have also received the FTE offers from the companies, they were working with. The highest domestic CTC was 65 lakhs offered by Google India. The top recruiters were Google, Samsung, C-Dot, Nutanix, TCS, etc.

Career Development and Placement Cell
Atal Bihari Vajpayee-
Indian Institute of Information Technology and Management, Gwalior (M.P.)

Wall of fame - 2023 | **Top Achievers** **(40+LPA)**

Bipin Pathak — Google
Deeksha Agrawal — Google
Harsh Walia — Google
Mehul Jain — Google
Nikhil Pareek — Google
Richa Gupta — Google
Rohit Kumar Verma — Google
Sarthak Verma — Google
Tushar Guha Neogi — De Shaw

Prabhat Dwivedi — Nutanix
Ritika Tomar — Nutanix
Shivam Agrawal — Nutanix
Shivam soni — Nutanix
Ashutosh Parmar — Nutanix
Harsh Navin Seta — Nutanix
Harsh Sharma — De Shaw
Himanshu Chandola — Nutanix
Pranav Mishra — Nutanix

Pranav Kotgire — Nutanix
Anmol Srivastava — Mercari Japan Inc
Rashi Gupta — Intuit
Katakam Mallikarjun — Mercari Japan Inc
Sayantan Banerjee — Intuit
Shweta Chaurasia — Mercari Japan Inc
Swatik Paul — Intuit
Ayush Kumar Pandia — UBER
Vivek Kamboj — Media.Net

Arpit Mishra — Zomato
Rishabh Dhyani — CRED

1. Prof. Rajesh M. Hegde, Professor, IIT Kanpur during Karyashala on Application of Machine Learning in Audio Signal Processing

2. Dr Miriam Gordon, Assistant Dean, Dalhousie University, Canada visited our campus October 21, 2022. Her visit was in context of looking at the possibility of signing an MoU with Dalhousie University, Canada.

3. Prof Anil Bhardwaj, Director of Physical Research Laboratory (PRL), Ahmadabad and Prof Tomohisa Wada Engineering Department Ryukyus University, Japan visited the Institute during ARIC 2022.

4. Ms Divya Saxena, Campus France Manager French Embassy in India visited the Institute during ARIC 2022 and presented about the social and novel activity of Divyaang Students.

5. Dr Hen (Mayer of City of Leuven), Mr Geert Robberechts (Director at India House Leuven) and Prof Bart Van Looy (Katholieke Universiteit Leuven) visited the Institute on February 6, 2023. The motive of the group was to increase research collaboration in the field of health and agriculture. The group did interaction with faculty members and the students of the Institute. Various exchange programs were also discussed during the meeting.

6. Dr. Prasanta Kumar Ghosh, Associate Professor, IISc Bangalore during Karyashala on Application of Machine Learning in Audio Signal Processing

7. Dr. Suman Deb, Assistant Professor, NIT Surat during Karyashala on Application of Machine Learning in Audio Signal Processing

8. Prof. Santosh Vishwakarma, Professor, Dept. of EE, IIT, Indore during ARIC 2022 and Council of Academic & Research meeting in EEE department

9. Mr. Preet Yadav, R&D program Manager, NXP Semiconductor during ARIC 2022 and Council of Academic & Research meeting in EEE department

10. Mr. Arvind Shrivastava, Director, SoC, AMD during ARIC 2022 Council of Academic & Research meeting in EEE department

11. Mr. Reapan Tikkoo, CEO, Powai Labs during ARIC 2022 and Council of Academic & Research meeting in EEE department

12. Mr. Prashant Admane, Group Technical Manager, HCL Tech., Bangalore during ARIC-2022 and a talk in EEE department

13. Prof. Shubham Sahay, Professor, IIT, Kanpur, India in EEE Department during Atal-FDP on "Advancement in VLSI Interconnect and Nanoscale Device"

14. Prof. Yogesh Singh Chauhan, Professor, IIT Kanpur during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

15. Dr. Sunny Sharma, Assistant Professor IIIT, Allahabad during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

16. Dr. Soumya Jyoti Ray Assistant Professor IIT, Patna during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

17. Prof. Abhinav Kranti, Professor, IIT , Indore during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

18. Dr. Shree Prakash Tiwari, Professor IIT Jodhpur during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

19. Dr. Manoj Kumar Majumder, Assistant Professor, IIIT Naya , Raipur during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

20. Dr. Pankaj Kumar Pal, Assistant Professor, NIT, UK during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

21. Dr. Neeraj K. Jaiswal, IIITDM, Jabalpur during Atal-FDP "Advancement in VLSI Interconnect and Nanoscale Device"

22. Prof. Mohd Helmy Abd Wahab, Professor, University Tun Hussein Onn Malaysia, duringIEEE-IATMSI-2022

23. Prof. Akshay Kumar Rathore, Professor, Singapore Institute of Technology, Singapore duringIEEE-IATMSI-2022

24. Dr. Maanak Gupta, Tennessee Technological University, TN, USA during IEEE-IATMSI-2022

25. Dr. Deepak Waikar, Managing Partner,Edu Energy, Singapore during IEEE-IATMSI-2022

26. Mr. Puneet Mishra, ISRO, India during IEEE-IATMSI-2022
27. Prof. Kumar Vaibhav Srivastava, Professor, IIT Kanpur during IEEE-IATMSI-2022
28. Prof. G.S. Tomar, Director, Rajkiya Engineering College Sonbhadra visited during CICT 2022
29. Dr. M.M. Tripathi, Director General, NIELIT, during CICT 2022
30. Prof. K.K. Aggarwal, Chairman of the Board at National Board of Accreditation during CICT 2022
31. Prof. Vimal Bhatia Professor, Indian Institute of Technology Indore during ATAL FDP 2022-23
32. Prof. Wada Tomohisa, Rhykus Univ. Japan, during Atal Research and Incubation Conclave (ARIC' 22)
33. Dr. Kratika Shrivastava, Deputy Director (Academics) at Indian Institute of Banking & Finance (IIBF), Mumbai during Two-Days Workshop on Technological challenges in Digital Financial Inclusion
34. Dr. Lokesh Chauhan, Associate Professor at the National Forensic Sciences University, Goa during Two-Days Workshop on Technological challenges in Digital Financial Inclusion
35. Prof. Shekhar Verma, Professor, Indian Institute of Information Technology Allahabad, Prayagraj, India during Two-Days Workshop on Technological challenges in Digital Financial Inclusion
36. Dr. Deepak Singh Tomar, Head, Computer Science and Engineering (CSE) Department at Maulana Azad National Institute of Technology (MANIT), Bhopal. during Two-Days Workshop on Technological challenges in Digital Financial Inclusion
37. Prof. Shekhar Verma, Indian Institute of Information Technology – Allahabad during Karyshala Workshop on Deep Learning Application in Imaging Systems
38. Prof. C. Patwardhan, Dayalbagh Educational Institute, Agra, during Karyshala Workshop onDeep Learning Application in Imaging Systems
39. Dr. Puneet Gupta, Indian Institute of Technology (IIT) Indore, during Karyshala Workshop onDeep Learning Application in Imaging Systems
40. Dr. Lalit Singh, Scientist, NPCIL-BARC during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
41. Dr. Srinivas Padmanbhuni, Indian Institute of Information Technology Lucknow during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
42. Prof. Dilip Kumar Yadav, National Institute of Technology Jamshedpur during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
43. Dr. Lov Kumar, National Institute of Technology Kurukshetra during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
44. Dr. Satyendra Singh Chouhan, MNIT Jaipur during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
45. Dr. Saurabh Tiwari, DA-IICT during FDP Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems
46. Dr. Srinivas Padmanbhuni, Indian Institute of Information Technology Lucknow during Karyashala on Applications for Machine Learning for Medical Imaging
47. Dr. M. Tanveer, IIT Indore during Karyashala on Applications for Machine Learning for Medical Imaging
48. Mr. Rajul Anand Linkedin India during CAR meeting of CSE department on Feb. 1, 2023

Pictures of Visits of Guests to the campus

Activities & Achievements by the Institute

MoUs Signed

An MoU is signed between ABV-IIITM Gwalior and the Faculty of Engineering, the Graduate of Engineering and Science, the Ryukyus University Japan for bilateral academic and research between the Institutions. An agreement is also signed for the students, faculty and staff exchange for short visits in order to do advance scientific research, education and cultural understanding.

The Institute signed an MoU with Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya in order to promote the collaborative research in the field of Statistical Learning, Modelling and Simulation, etc. The overall mandate of the MoU is to conduct research and extension activities for enhancing productivity, profit and sustainability of agricultural system and improving rural livelihood.

General Achievements

- The Institute is going to run two new courses namely BTech in Electrical and Electronics Engineering and BTech in Mathematics and Scientific Computing from the coming session.
- An underpass is under construction and hope that soon it will connect both the pockets of our campus. Boundary wall of pocket B is under major repair.
- The Institute is a residential campus and seen good increase in the number of students and hence, the existing infrastructure was not sufficient, especially for boys, and hence, a new hostel with 500 capacity has been proposed and passed by the ministry. Soon the construction will also start.
- The Institute has created five departments to run the work smoothly. The departments are free to run any new UG/PG course.
- To implement the recommendations of NEP, an exit option from every stage has been implemented, successfully.
- The two-year MTech student may opt for PhD after successfully completing the first year. He/she has to apply for the same and has to undergo the defined process.
- To promote the research among students, a travel support of Rs 10,000 has been successfully implemented for those students who want to attend some conference for paper presentation.
- The summer term and the internship rules have been revised as per the need of the time and recommendations of NEP. MOOC has now also been part of the curriculum.
- The new consultancy rules and new CPDA rules for faculty members have been revised and those have come in effect.
- The PhD ordinance has also been revised which gives a change to pursue PhD to project employees and faculty members from outside institutions.
- The Institute has established a mini-health centre with four doctors (two general physicians, one homeopathic and a gynecologist). General medicines are also available in the health centre.

Research Projects Awarded to the Faculty of the Institute

- Dr Arun kumar has been awarded a project (amount Rs 8,50,000) on Service Quality Index for In house Medical Facilities Case of Private and Public Higher Educational Institutional Institutions in India by ICSSR New Delhi, for two years.
- Dr Rajesh Rajagopal has been awarded a project (amount Rs 5,20,000) on Integrating social sustainability into supplier selection: case evaluation and development of methodologies by Logistics and Artificial Intelligence Consulting Office, Jeddah, Saudi Arabia for one year.

- Dr. Jeevaraj S got a research project on Fuzzy Set Theory and its Applications in Decision Making is from the School of Engineering, Universidad Catolica del Norte, Coquimbo campus, Chile. This project has been sanctioned with an annual amount of up to 3000$.
- Dr. Jeevaraj S got a research project on New method for the determinization of an L-fuzzy multiset recognizer via L-fuzzy subsets and accessible L-fuzzy subset construction" from the Universiti Tun Hussein Onn Malaysia (UTHM) (public university in Batu Pahat, Johor, Malaysia).
- A short-term CARS project entitled Puff Dispersion Model for Instantaneous Release of Heavy Gas Chemicals sanctioned by DRDE Gwalior of Amount 9.57 Lakhs. Prof. Joydip Dhar will act as Principal Investigator and the first instalment of Rs. 6.69 Lakhs has been received by the Institution.
- Prof Anurag Srivastava got a research project on Impact Analysis of Women Police Stations (WPS) toreduce crime against women in the state of Madhya Pradesh: possible IT Interventions of Rs 18.80 Lakh from National Commission of Women, GoI.
- "Implantable Pacemaker Chip (iPACE-CHIP)", MeitY, New Delhi (PI: Prof Manisha Pattanaik, Co-PI: Dr Gaurav Kaushal & Prof G K Sharma).
- Designing energy-efficient AI accelerator for 3D object detection", MeitY, New Delhi (PI: Prof Manisha Pattanaik, Co-PI: Prof G K Sharma & Dr Gaurav Kaushal).
- Automated Counseling Engine (ACE) for young adults in stress using cognitive computing and data/text mining techniques", Smart Systems Enterprises, New Delhi (PI: Dr Ajay Kumar).
- Advancements in Information Technology and Data Science" to the officials of Gujrat Energy Training and Research Institute (GETRI). There are 4 modules; each is of value Rs.13.36 Lakh (PI: Prof P K Singh).
- Purification and Valorization through Indigenous Tailoring of Raw Polymeric Waste into Advanced Multidimensional Carbon Nano Materials (PAVITRAM) for Large Scale Energy Storage Applications Including Supercapacitors and Batteries" funded by 'Ministry of Environment, Forest, and Climate Change, NMHS' (PI: Prof Anurag Srivastava, Financial support of Rs. 1.92Cr).
- Design of Meta-materials for biosensing and ICT applications", DST New Delhi (PI: Dr Pinku Ranjan).
- Exploring trends in science technology and innovation (STI) indicators for policy planning", DST New Delhi (PI: Dr Vishal Vyas).

Other Grants/Awardsto the Institute Faculty

- Dr Somesh Kumar was awarded Rs 1,50,000 for Vritika on Modelling and Simulation of High Speed VLSI Interconnects 1,50,000 by SERB, DST New Delhi.
- Dr Vinal Patel was awarded Rs 5,00,000 for Karyashala on Application Machine Learning in Audio Signal Processing by SERB, DST New Delhi.
- Dr Pinku Ranjan received a grant of Rs 5,00,000 for High End Workshop on Design and Fabrication of Hybrid/ Flexible Antennas for 6G and beyond applications by SERB, DST New Delhi.
- Prof Pankaj Srivastava was awarded a grant of Rs 3,00,000 for and FDP on Advancement in VLSI Interconnect and Nanoscale Device.
- Prof Aditya Trivedi was awarded a grant of Rs 3,00,000 for an FDP on Blockchain, Artificial Intelligence and IoT by AICTE Training And Learning (ATAL) Academy, New Delhi.
- Dr Somesh Kumar was awarded a grant of Rs 15,00,000 for an IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation by IEEE MP section.
- Dr Pinku Ranjan was awarded a grant of Rs 1,50,000 for Vritika on Design and Development of Hybrid Antenna for 6G and beyond applications by SERB, DST New Delhi.
- Prof Anurag Srivastava received the Best Teacher Award from Gwalior Gaurav Samiti on Teacher Day 2022 at event hosted by Bharat Vikas Parishad, Gwalior, MP.

- Dr Mahendra K. Shukla has been appointed as an Associate Editor for the IEEE Sensors Letters. IEEE Sensors Letters is a rapid disclosure publication focusing on the numerous sensor technologies spanned by the IEEE and on emerging sensor technologies.
- Dr Santosh Singh Rathore has been appointed as an Associate Editor for the International Journal of System Assurance Engineering and Management.
- Prof S N Singh, Hon'ble Director, has recently received Lifetime Achievement Award 2022" by IEEE GlobConPT 2022.
- Prof S N Singh, Hon'ble Director, has recently received Lifetime Achiever Award 2023 by ISTE New Delhi.
- Dr W Wilfred Godfrey, Dr Awadh Kishore and Dr Narinder Singh Punn received a High End Workshop on Machine Learning applications for Medical Imaging from SERB.
- Dr Binod Prasad received Vritika training and skill internship titled "Novel tools and techniques for UAV assisted communication" Sponsored by SERB, under Accelerate Vigyan Scheme.
- Dr Pinku Ranjan received a High-End Workshop on Machine Learning applications for Medical Imaging from SERB.
- Director Prof S N Singh has been elected as a Fellow for Asia-PecificArtificial Intelligence Association (AAIA). AAIA is an academic, non-profit and non-governmental organization voluntarily formed 1073 academicians worldwide. The Asia-Pacific Artificial Intelligence Association (AAIA) fellows come from Stanford University, Princeton University, MIT, California Institute of Technology, Cornell University, Columbia University, University of Oxford, Imperial College London, University of Toronto, University of Waterloo, University of Melbourne, Sydney University, Nanyang Technological University, Singapore National University, Peking University, Tsinghua university, Zhejiang University, Shanghai Jiao Tong University and other universities, as well as the world's top scientists in AI related fields from Google, Microsoft, IBM, Alibaba, Huawei, JD.com and other high-tech companies.

Other Activities of the Institute

Independence Day, August 15, 2022

Independence Day is celebrated annually on 15 August as a public holiday in India commemorating the nation's independence from the United Kingdom on 15 August 1947, the day when the provisions of the Indian Independence Act, which transferred legislative sovereignty to the Indian Constituent Assembly, came into effect. The Institute celebrated the Independence Day on August 15, 2022. The faculty members, staff and students join the celebration followed by cultural program. The plantation

Webinar on 6G Digital Twin Networks

6G networking research aims at addressing a large variety of requirements, and resulting in ubiquitous connectivity with the adequate, application-inferred, level of quality as well as AI-fueled 6G network automation. A Webinar on "Joint Communications and Computation Design for 6G Digital Twin Networks" was organized at ABV-IIITM Gwalior on May 22, 2023 by the Department of IT. The special speaker in the webinar was Trung Q Duong (FIEEE and Fellow of AAIA). Dr Mahendra Shukla was the event coordinator.

TIIC sponsored workshop by CSE Department

From humans to animals, we are all a part of the food chain. No matter how far we progress in terms of technological inventions, we will still rely on our farmers to get fed. This makes blessing or better say equipping our farmers with the latest technology a general advantage which will offer

collective benefits. The department of CSE organized a two-day workshop titled "Applications of IoT Technology in Agriculture" during May 26-27, 2023, sponsored by TIIC, ABV-IIITM Gwalior. The coordinators of the event were Prof K V Arya, Dr Debanjan Sadhya, Dr Avadh Kishor.

TIIC sponsored workshop by Applied Sciences Department

System dynamics modelling has demonstrated considerable value across several different fields to help decision-makers understand and predict the dynamic behaviour of complex systems in support the development of effective policy actions. Keeping this in view, the department of applied sciences organized a two-day workshop titled "Applications of Dynamical systems in Health and Environment" during June 05-06, 2023, sponsored by TIIC, ABV-IIITM Gwalior. The coordinators of the event were Dr Anuraj Singh and Dr Kapil Kant.

World environment day

The theme for World Environment Day on June 5, 2023 was focussed on solutions to plastic pollution under the campaign Beat Plastic Pollution. Today, plastic clogs our landfills, leaches into the ocean and is combusted into toxic smoke, making it one of the gravest threats to the planet. The Institute organized the world environment day on June 5, 2023. A Plantation Drive at Pocket-B had been performed followed by the pledge reading and discussion of the Hon'ble Director with faculty members. Dr Arun Kumar and Dr Somesh Kumar were the event coordinators.

Two weeks Training Program GETRI

The landscape of business today is in a constant state of change, and data science makes a significant impact on the industry. As human interaction with technology grows by the day, the amount of data that is generated on a routine basis is immeasurable. The Institute started a two weeks Training Program on "Advancements in Information Technology and Data Science" to the officers of Gujrat Energy Training and Research Institute (GETRI). It was started from Jun 05, 2023. Prof P K Singh and Dr K KPattaniak were the event coordinators.

Summer Training and Internship STAIG-EEE-2023

ABV-IIITM Gwalior announced 4-8 weeks Summer Training and Internship program by the Electrical and Electronics Department (STAIG-EEE-2023) for undergraduates, post graduates and research scholars from across the country to provide a growing environment for research enthusiast in various fields. The summer

internship and training work for various candidates started on May 15, 2023 and ended on June 15, 2023. Dr Pragya Swami was the coordinator of the event.

Two weeks Training Program on Advancements in IT and Data Science

ABV-IIITM Gwalior conducted two weeks training program on "Advancements in Information Technology and Data Science" to the officers of Gujrat Energy Training and Research Institute (GETRI)" from June 5, 2023 onwards. Prof P K Singh coordinated the event. The event was a great success for the Institute as for as for the GETRI.

Pledge: International Day against Drug Abuse and Illicit Trafficking

The Government of India observes June 26, 2023, as the "International Day Against Drug Abuse and Illicit Trafficking." The Institute encouraged the staff, faculty and students to take the pledge for "International Day against Drug Abuse & Illicit Trafficking " on June 26, 2023. The Institute organized a pledge taking and reading ceremony and circulated the online link. Dr Santosh Singh Rathore was the coordinator of the event.

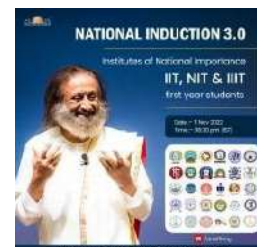## Activities & Achievements by the students of the Institute

Parichay & Children's Day Celebration

The "PARICHAY", organized by Student Gyan Movement (SGM), held on November 13, 2022 was a memorable day for every fresher of the academic year 2021-2022 batch at ABV-IIITM Gwalior. It is the day when seniors and juniors finally bond and unite to celebrate being part of the Institution. The program consisted of a total of 13 performances consisting of dance, drama, and singing. There were performances from the "Manchtantra", "Beat Hoppers" and "Music Crew" which are clubs of drama, dance, and singing respectively. A total of 200 students witnessed the program. The winners were awarded trophies and cash prizes of worth 12K.

National Induction Program 3.0

Induction Training plays a very important role in preparing the new entrants in the system for fulfilling their responsibilities and citizen centricity. Sri Sri Ravi Shankar Ji interacted with students of the Institutes of National Importance on November 11, 2022 in online mode. The program was hoisted at the Institute Auditorium and students from all over India joined the session. Sri Sri Ravi Shankar Ji talked about the art of living and discussed about many problems related to life of students and people at large.

Classical Musical Evening

The Institute invited Padma Bhushan Pt. Sajan Mishra on October 18, 2022 and celebrated a musical evening at Institute Auditorium. The students, staff, faculty members and Hon'ble Director were present during the event.

Abhishar v12.0 Launch Ceremony

Abhigyan Abhikaushalam Students' Forum (AASF) released the 12th version of "ABHISHAR", to celebrate the accomplishment of the IIITM Gwalior fraternity in showcasing the best thought-provoking, intelligent, and read-worthy articles and poems. The launch session was conducted on November 20, 2022 the Institute Auditorium.

Celebration of Bhagwan Birsa Munda Jayanti

This year, Birsa Munda Jayanti was celebrated in the presence of our esteemed facility members and students. It was a great event, and we all got to know a lot of new and fascinating things about him, and it inspired us to know more about him. So, everyone listened carefully to everything talked about him, and it was quite an interactive session. It was among the unique events where our freedom fighters' incredible journey was told, and this type of event also helps us to stay connected with our history. Hearing about his struggles also motivates us to do something that gives tribute to all the sacrifices and struggles through which our freedom fighters had to go for India's freedom. We all felt delighted after the session was over.

Marathon: January 26, 2023

The marathon was organized in celebration of a significant national holiday, aimed to promote fitness, raise awareness for charitable causes, and foster a sense of community among participants. The marathon witnessed an overwhelming response, with a total of 84 participants. The event successfully attracted both seasoned runners and first-time marathoners.

Sports During Alumni Meet 2023

The institute organized many sports activities including the race and sports games during the Alumni Meet held at ABV-IIITM Gwalior during January 16-17, 2023. The purpose of these games was to engage the alumni, promote a healthy and active lifestyle, foster a sense of camaraderie and to provide an opportunity for alumni to reconnect with their alma mater. This outlines the planning process, event details, execution, and key outcomes of the race and sports games.

Inter IIIT Sports' meet (March 14-17, 2023): IIIT Kancheepuram

The event aimed to bring together students from various IIITs across the country, providing them with an opportunity to showcase their sporting talents, compete in a friendly atmosphere, and foster intercollegiate relationships. It was held to provide a platform for students to exhibit their athletic abilities and represent their respective colleges. We achieved notable performances in several sports events, including 3 silver medals in lawn tennis, 12 bronze medals in basketball and 5 bronze medals in badminton. We have total of 3 trophies.

URJA' 23 (7-9 APRIL 2023)

The event brought together students from four houses (RED REBELS, GREEN NILES, BLUE KNIGHTS & WHITE SABBATHS) and encompassed a wide range of sporting activities. The planning process for "Urja" commenced two months prior to the event. The organizing committee, comprising faculty members and student representatives, worked collaboratively to ensure smooth execution. The sports fest "Urja" spanned three days, with each day focusing on specific sports' categories. The event followed a

structured format: opening ceremony, competitive matches, finals and closing ceremony. The fest included both team-based and individual events, allowing students to represent their houses and compete against each other. As a result blue house got the first position with 116 points and then second position goes to white house with 97 points, red house with 86 points and green house with 69 points.

Kavi Sammelan

Kavi Sammelan was organized to foster a sense of community among alumni by providing a platform for interaction and engagement and to showcase the rich cultural heritage of the college through the art of poetry and to provide an opportunity for alumni to showcase their talent and share their experiences through poetry. The Kavi Sammelan program was designed to include solo performances by the invited poets, interspersed with interactive sessions and alumni recitals. The program was structured to accommodate a mix of established poets and emerging talent, allowing the alumni to connect with different generations. The event commenced with an opening speech, followed by poetic performances by the invited poets. The event provided a platform for alumni to reconnect, celebrate their shared experiences, and appreciate the art of poetry.

Har Ghar Dhyan

The Ministry of Culture has partnered with Art of Living under the aegis of Azadi Ka Amrit Mahotsav to engage the youth in mental health education and to equip them with meditation practices for improved health and wellness. Our Institute also organized some session on the same theme. The event was focused on promoting the practice of meditation and yoga among students and was aimed to provide them with valuable tools for stress management and personal well-being. The event highlighted the planning process, the structure of life, participant engagement and overall outcomes of the Art of Living event. Mr Pradeep Jain from art of living took the sessions and gave meaningful learning to our students.

Sixth edition of Pariksha Pe Charcha 2023

As you may know that the Pariksha Pe Charcha is the unique interactive programme of Hon'ble Prime Minister, Shri Narendra Modi with students, teachers and parents. The program was broadcasted in the Institute Auditorium on January 27, 2023 with the presence of staff, students and faculties. The students asked their queries and Hon'ble Prime Minister answered those questions very calmly. All the audience enjoyed and get benefited the program.

Students' Gyan Moment

For social responsibility, our students from social welfare of Students' Activity Club (SAC) used to teach students from under privileged community from 5 PM onwards in pocket B of the Institute. The selection of the students to be taught is done based on interview and nowadays we are have classes starting from 5 to 12. The Institute is doing this activity for a very long time and the sessions are being taken by our students only. At present, the strength of these kind of students is around 50 and we have a team of almost 15 volunteers per day who see various activities during the classes. Dr Manoj K Dash and Dr Pinku Ranjan from SAC are the faculty coordinators of the program.

The faculty members at ABV-IIITM Gwalior are committed teachers and leading researchers in their domain of research. The faculty members have a shared spirit, reflected in both researches and in the classroom. With an adequate student body and warm community, ABV-IIITM Gwalior students get unparalleled access to this knowledge. Faculty members are known for their conduct of FDPs/MDPs and workshops/ conferences across the country. They have published their work in high-impact journals of international repute. They have also authored a number of books in their areas of expertise with recognised publishers. The following table is the indicative research interests of the faculty members.

S.No.	Broad Area	Themes
1	Nano Science & Technology	Material and Device Modelling. Sensor Design for Air, and water pollution, and biomarker detection. Nano-Electronics. Spintronics. Nano-CMOS. Nano-FET EMS. EMS. Nano-Risk Management
2	Signal & Image Processing	Digital Signal processing. Digital Filter Design. Speech Processing. Digital & Wireless Communication. CDMA Systems. AI. Bio-medicalImage Processing
3	Network & Information Security	Operating Systems. Computer networking. Network Security. Network Management. Wireless Adhoc Networks. Data Security. Multimedia Security. Wireless network security. Cryptography. Quantum Cryptography. Applications of Biometrics in Security
4	Computing	Soft Computing. Quantum computing & Information. Distributed and Computing and OptimizationTechniques.Gridcomputing. Parallel computing. Mobile Computing. Data Mining. Bioinformatics. Reliability. Multi-objective Optimization. Computational Physics. Computational Biology
5	Intelligent System Design	Artificial Intelligence, Robotics, Neural Networks Fuzzy and Genetic Systems, Nature Inspired Approaches, IT in Robotics, Evolutionary Computing
6	Modeling& Simulation	Financial Modeling. Time Series Analysis. Pattern Formation in the Biological System. Material &Device Modeling. Innovation &Diffusion in Marketing Model, Environmental Modeling. System Reliability
7	Marketing	Customer Relationship Management. Brand Management. Service Management. New Product Development. Neuro-Marketing. Social Marketing
8	Finance	Analysis of Financial Systems. Financial Risk Management. Stock Market Analysis. Econometric Analysis
9	Operations	Supply chain management. Technology Management. Total Quality Management.Service Operations Management. Operations Management
10	IT & Systems	Business Process Management. Enterprise Systems. Software Project Management. Analysis and Design of Information Systems .E-Business. ModelingandSimulation of Business Systems.
11	Governance & Management	E-Governance. Public Private Partnerships. Public Policy Analysis. Development Management. Non-for-profit Management
12	Human Resource Management	Training & Development. Performance Appraisal. Compensation. Talent Management. Consumer Behavior
13	Organizational Behavior	Behavioral Application of Organizationtheory to study Institutional Reforms Leadership. Entrepreneurship. Motivation
14	IT Enabled Products & Services	E-Education. E-Governance. E-Health. E- Tourism. E- Business. IT Localization
15	Theory of Reliability	Software Reliability. Fault Detection. Life testing. Reliability Growth Modeling. Industrial Reliability. Reliability of Robotic Systems. Fuzzy Logic. Soft computing

List of Faculty and their Areas of Expertise

Prof. G K Sharma
Ph D (Uni.of Roorkee,now IIT-Roorkee)
Professor
Department of Information Technology
Areas of Interest: Energy-Aware Computing, Approximate Computing, System-on-Chip (SoC) Architectures

Prof. Rajendra Sahu
Department of Management Studies
Ph D (IIT-Kharagpur)
Professor
Areas of Interest: ERP, Supply Chain Management, Knowledge Management, E-Governance, System Analysis & Design, Modeling and Simulation, Cost Accounting

Prof. Shashikala Tapaswi
Ph D (IIT-Roorkee)
Professor
Department of Computer Science & Engineering
Areas of Interest: Image & Video Processing, Mobile Network, Adhoc Network

Prof. Anupam Shukla(On Lien as Director, IIIT Pune)
Ph D (NIT-Raipur)
Professor
Department of Computer Science & Engineering
Areas of Interest: Soft Computing, AI, Speech Processing, Biomedical and Bioinformatics

Prof. AdityaTrivedi
Ph D (IIT-Roorkee)
Professor
Department of Information Technology
Areas of Interest: Digital Communication, Adaptive Signal Processing

Prof. Mahua Bhattacharya
Ph D (Calcutta University)
Professor
Department of Information Technology
Areas of Interest: Medical Image Processing, Soft Computing, Pattern Recognition, Artificial Intelligence

Prof. K. V. Arya
Ph D (IIT-Kanpur)
Professor
Department of Computer Science & Engineering
Areas of Interest: Image Processing, Biometrics, Information Security, Wireless
Adhoc Networks, Secure Image Transmission,

Prof. P. K. Singh
Ph D (IIT-Kharagpur)
Professor
Department of Computer Science & Engineering
Areas of Interest: Soft Computing, Multi-/Many-Objective Optimization, Data
Mining, Computer Networks, Wireless and Sensor Networks

Prof. Anurag Srivastava
Ph D (Barkatullah University, Bhopal); PDF (Uppsala University, Sweden)
Professor
Department of Engineering Sciences
Areas of Interest: Computational Materials Science, Nano- Electronics (Device
Modelling), Air and Water Pollution Sensors, Nano-Biotechnology, Energy Devices
(Supercapacitors and Battery), Waste Management, IT Product and Services, E-
Governance, IT Applications

Prof. Manoj Patwardhan
PhD (Jiwaji University)
Professor
Department of Management Studies
Areas of Interest: Human Resource Management, Change Management,
Organizational Behavior, Leadership & Talent Management

Prof. Joydip Dhar
Ph D (IIT-Kanpur)
Professor
Department of Engineering Sciences
Areas of Interest: Industrial Mathematics: Mathematical Modeling and Simulation
in Environmental, EMS, Management systems: Financial Mathematics and Fuzzy
logic Applications

Prof. Naval Bajpai
Ph D (Pt. Ravishankar Shukla University, Raipur)
Professor
Department of Management Studies
Areas of Interest: Business Statistics, Business Research
Methods, Multivariate Analysis, Marketing Research &
Organizational Behavior

Prof. Pankaj Srivastava
Ph D (Allahabad University)
Professor
Department of Engineering Sciences
Areas of Interest: Theoretical Condensed Matter Physics, Computational
Nanoscience, Quantum Computing, Nanoelectronics, VLSI.

Prof. Manisha Pattanaik
Ph D (IIT Kharagpur)
Professor
Department of Electrical & Electronics Engineering
Areas of Interest:
CMOS, Device/Circuits/System Co-Design, Characterization and Design of Low
Power Logic and Memory

Prof. Gyan Prakash
Ph D (IIT- Kanpur)
Department of Management Studies
Areas of Interest: Supply Chain Management, Service Quality, Management
Information System, Business Analysis and Intelligence, Public Systems: e-
Governance, Health and Environment

Dr. Ritu Tiwari (On Lien)
Ph D (NIT Raipur)
Associate Professor
Areas of Interest: Robotics, Artificial Intelligence, Soft Computing and Applications

Dr. Gaurav Agrawal
Ph D (Bundelkhand University, Jhansi)
Associate Professor
Department of Management Studies
Areas of Interest: Financial Economics,
International Finance, Monetary Economics,
Investment Management.

Dr. Ajay Kumar
Ph D (IIT Roorkee)
Associate Professor
Department of Engineering Sciences
Areas of Interest: Reliability, Statistics, Fuzzy Sets and Fuzzy Logic, Optimization,
and Soft Computing

Dr. K K Pattanaik
Ph D in Engineering (BIT-Mesra)
Associate Professor
Department of Information Technology
Areas of Interest: Grid Computing, Mobile Computing,
Multi Agent Systems

Dr. Manoj Kumar Dash
Ph D (Berhampur University, Orissa)
Associate Professor
Department of Management Studies
Areas of Interest: Marketing Science, Econometrics Modeling in Marketing,
Marketing Analytics, Marketing Research, Consumer Behaviour

Dr. Vinay Singh
Ph D (IIT Kanpur)
Assistant Professor (Grade-I)
Department of Management Studies
Areas of Interest: Agile and Strategic Approach in Business Management, IT for
Business, ERP System, MIS, ITES, Software Project Management, Innovation and
Entrepreneurship, Data Mining and Knowledge Management

Dr. Vishal Vyas
Ph D (Vikram University, Ujjain)
Associate Professor
Department of Management Studies
Areas of Interest: Financial Risk Management, Behavioural Finance, Project
Feasibility and Finance, Derivatives, Portfolio Management and Investment
Analysis

Dr. W Wilfred Godfrey
PhD (IIT, Guwahati)
Associate Professor
Department of Computer Science & Engineering
Areas of Interest: Artificial Intelligence-Robotics, Soft Computing, Multi-Agent
Systems, Machine Learning

Dr. Anuraj Singh
Ph D (IIT-Roorkee)
Associate Professor
Department of Engineering Sciences
Areas of Interest: Mathematical Modeling, Nonlinear Dynamical Systems,
Computational Biology, Control Theory

Dr. Vivek Tiwari
Ph.D. (NIT-Bhopal)
Associate Professor
Department of Computer Science &Enginering
Research Interests : Machine Learning, NLP, Deep Learning, Activities Recognition

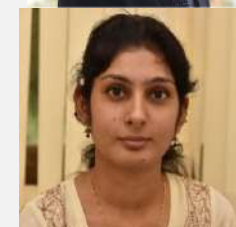
Dr. Saumya Bhadauria
Ph D (IIT-Indore)
Assistant Professor (Grade-I)
Department of Computer Science & Engineering
Areas of Interest: Computer Organization and Architecture, Information security,
Network security, Optimization Techniques

Dr. Gaurav Kaushal
PhD (IIT, Roorkee)
Assistant Professor (Grade-I)
Department of Electrical & Electronics Engineering
Areas of Interest: VLSI

Dr. Jeevaraj S
Ph.D. (NIT Tiruchirappalli)
Assistant Professor (Grade-II)
Department of Engineering Sciences
Areas of Interest: Fuzzy Mathematics

Dr. Arun Kumar
Ph.D. (ABV-IIITM Gwalior)
Assistant Professor (Grade-I)
Department of Management Studies
Areas of Interest: Marketing

Dr. Somesh Kumar
PhD (IIT Ropar)
Assistant Professor (Grade-II)
Department of Electrical & Electronics Engineering
Areas of Interest: VLSI Design & CAD

Dr. Sunil Kumar
Ph.D. (IIT Guwahati)
Assistant Professor (Grade-II)
Department of Information Technology
Areas of Interest:

Dr. Binod Prasad
Ph.D. (NIT Durgapur)
Assistant Professor (Grade-II)
Department of Electrical & Electronics Engineering
Areas of Interest:

Dr. Debanjan Sadhya
Ph.D. (IIT-BHU)
Assistant Professor (Grade-II)
Department of Computer Science & Engineering
Areas of Interest:

Dr. Vinal Patel
Ph.D. (IIT Gandhinagar)
Assistant Professor Grade-II
Department of Electrical & Electronics Engineering
Areas of Interest:Signal Processing

Dr. Santosh Singh Rathore
Ph.D. (IIT Roorkee)
Assistant Professor (Grade-I)
Department of Computer Science & Engineering
Areas of Interest:Computer Science/ Software Engineering

Dr. Pinku Ranjan
Ph.D. IIT (ISM), Dhanbad
Assistant Professor (Grade-II)
Department of Electrical & Electronics Engineering
Areas of Interest: Electrical / Electronics

Dr. Rajesh Rajagopal
PhD (IISST Thiruvananthapuram)
Post-Doc (IIT Madras)
Assistant Professor (Grade-II)
Areas of Interest: Operations Management

Dr. Amandeep Kaur
Ph.D. (NIT Hamirpur)
Assistant Professor (Grade-II)
Department of Management Studies
Area of interest: Artificial Intelligence, Machine Learning, Business Intelligence, Big
Data Analysis, IoT

Dr. Alok Kumar Kamal
Ph.D. (Indian Institute of Technology Patna)
Assistant Professor (Grade-II)
Department of Electrical & Electronics Engineering
Areas of Interest : Modelling and simulation of nanoscale transistors and memories,
steep switching devices, capacitorless DRAM, and device-circuit co-simulation
design for neuromorphic applications

Dr. Amrendra Singh Yadav
Ph.D. (MNNIT Allahabad)
Assistant Professor (Grade-II)
Department of Computer Science & Engineering
Area of Interests : Blockchain Technology, Consensus Algorithms, Distributed
Ledger Technology, Distributed Systems, Cloud Computing, and Computer Network

Dr. Pragya Shukla
PhD (IIT BHU, Varanasi)
Assistant Professor
Department of Engineering Sciences
Area of Interest: Functional Analysis, Pseudo-Differential Operators, Integral
Transforms, Distribution theory, Wavelet analysis.

Dr.. Avadh Kishor
Ph.D. (IIT Roorkee)
Assistant Professor
Department of Computer Science & Engineering
Research Interests : Algorithmic Game Theory, Multi-Agent Systems, Resource Allocation, Multi-Objective Optimization

Dr. Anuja Dixit
Ph.D. (IIT (ISM) Dhanbad)
Assistant Professor
 Department of Information Technology
Research Interests : Multimedia Information Authentication, Multimedia Security, Document Authentication, Medical Image Authentication, Digital Image Processing, Signature Authentication, Digital Image and Video Forensics

Dr. Anjali
Ph.D. (IIIT Allahabad)
Assistant Professor
Department of Information Technology
Research Interests : Time Series Data Mining, Time Series Analysis, Machine Learning, Deep Learning.

Dr. Mahendra Kumar Shukla
Postdoc (University of Saskatchewan, Canada), Ph.D. (IIIT Allahabad)
Assistant Professor
Department of Information Technology
Research Interests : Wireless Communication, Cooperative relaying, NOMA, Energy Harvesting, Physical Layer Secrecy, Cyber Physical Systems

Dr. Rakesh Chowdhury
Ph.D. from IIT (ISM), Dhanbad
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests: Dielectric resonator antennas, metamaterials, circularly Polarized and high gain antennas, EBG Structures, MIMO, AMC Structures, millimeter wave antennas

Dr.Nalin Kumar Sharma
Post-Doc (Chalmers University of Technology, Sweden), Ph.D. (IIT Delhi)
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests : Control Systems, Robotics and Autonomous Systems, Intelligent transportation Systems, Reinforcement Learning in Cyber-physical Systems

Dr.Praveen Kumar Singya
Ph.D. (IIT Indore, India), Postdoc (KAUST, Saudi Arabia)
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests : Wireless Communications, Free-Space Optics (FSO)
Communication, TeraHertz (THz) Communication, Integrated Access and Backhaul
(IAB), Hybrid Terrestrial-Satellite Communication, High Altitude Platforms (HAPs),
Intelligent Reflecting Surfaces (IRS)

Dr. Sandesh Jain
Ph.D. (IIT Indore, India), Postdoc (IISc Bangalore, India)
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests : Adaptive Signal Processing, Machine Learning over reproducing
kernel Hilbert space, Wireless Communications, Visible Light Communication,
Ultraviolet Communication, Massive-MIMO, and Signal Processing and
Performance Analysis of Next-Generation Wireless C

Dr. Pragya Swami
Ph.D. (IIT Indore, India), Postdoc (IIT Delhi, India)
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests : Next Generation Wireless Networks, Non-orthogonal Multiple
Access (NOMA), Internet of Things, Heterogeneous Networks, Hybrid networks,
Energy Harvesting, Millimetre Wave Communication, Simultaneous Wireless
Information and Power Transfer (SWIPT), Intellig

Dr. Irshad Ahmad Ansari
Ph.D. (IIT Roorkee), Post Doc (GIST, South Korea)
Assistant Professor
Department of Electrical & Electronics Engineering
Research Interests : Signal & Image Processing, Electronic Design, Machine
Learning, Biomedical Signal Processing, Computer Vision

Dr. Narinder Singh Punn
Assistant Professor
Department of Computer Science & Engineering
Honour: Ph.D. (IIIT Allahabad)
Research Interests : Computer vision, Biomedical image processing, Image
classification, Image segmentation, Object detection

Dr.Kapil Kant
Assistant Professor
Department of Engineering Sciences
Honour: Ph.D. (IIT Kharagpur)
Research Interests : Numerical Functional Analysis, Approximation Theory

Dr. Deepak Kumar Dewangan
Ph. D. (NIT Raipur)
Assistant Professor
Department of Computer Science &Enginering
Research Interests : Autonomous Vehicle System, Deep Learning

Administrative Officers / Group "A" Officers

Mr. Pankaj Gupta, M.Com, MBA

Registrar (I/C)

Mr. Anil Garg, M.Com, MBA, LLB

Assistant Registrar (Finance & Accounts)

Mr. D.P. Singh, MBA, MA, LLB.

Joint Registrar (on suspension)

Mr. Sandeep Upadhyay, MBA

Assistant Registrar (Store & Purchase)

Dr. Ekta Sakwar, Ph.D. (Economics), MBA-HRD, MA (Economics), Modern Office Management

Assistant Registrar (Establishment)

Mr. Sanjay Kumar Soni, M.Lib.I.Sc. PGDCA

Assistant Registrar (Library)

Mr. Virendra Kumar Joshi, M.Sc (Computer Science)., PGDCA, CIC

Assistant Registrar

Table below details name of the staff members and their designation:

S.No.	Name of Employee	Designation
1.	Dr J P Sharma	Junior Superintendent
2.	Mr Vijay Kr. Dwivedi	Junior Superintendent
3.	Mr Narendra Singh Tomar	Junior Superintendent
4.	Ms Deepa Singh Sisodiya	Senior Technician
5.	Mr Trepan Singh Koundal	Cashier
6.	Mr Hemant Pratap Verma	Senior Technician
7.	Mr Lokendra Singh Mavai	Senior Technician
8.	Mr Mahesh Singh Dhakad	Senior Technician
9.	Mr.Rampal Singh Kushwah	Senior Technician
10.	Mr Alok Singh Jadon	Senior Technician
11.	Mr. Narendra P S Chauhan	Senior Technician

Faculty & Officer, who were on Lien/Deputation/Repatriation/Resigned during the year 2022-23

- Prof. Anupam Shukla, Professor (HAG) as Director IIIT Pune w.ef. from 13.08.2018
- Dr. Rajesh Rajagopal, Assistant Professor resigned and relieved from the Institute on 08/12/2022
- Dr. Ritu Tiwari, Associate Professor resigned and relieved from the Institute on 29/12/2022

	Conferences/Symposiums/ FDPs/MDP/Short Term Training Programmes Conducted during the year 2022-23				
S.No.	Title	Date	Coordinator	No. of Participants	Name of Faculty
1.	IEEE 6th Conference on Information and Communication Technology (CICT 2022).	(03 Days) 18th November to 20th November 2022	General Chair - Prof Aditya Trivedi	300 (Approx.)	Prof. Aditya Trivedi
2.	AICTE Training and Learning (ATAL) Faculty Development Program (FDP) on "Blockchain, Artificial Intelligence, and IoT" 2022.	(11 Days) 05th December to 16th December 2022	Prof. Aditya Trivedi	35	Prof. Aditya Trivedi
3.	"Technological challenges in Digital Financial Inclusion" Sponsored by TIIC of ABV-IIITM, Gwalior	20 - 21 April 2023 (2 Day Workshop)	Dr. Sunil Kumar Dr. Mahendra Shukla Dr. Anuja Dixit Dr. Anjali	29	Dr. Anuja Singh
4.	TIIC, ABV-IIITM Gwalior	20 - 21, April 2023	Dr. Sunil Kumar, Dr. Mahendra Shukla, Dr. Anuja Dixit, and Dr, Anjali	29	Dr. Sunil Kumar
5.	Intelligent Transportation System Towards Safe, Clean and Sustainable Mobility	12-13 May, 2023	Dr. Nalin Kumar Sharma (Coordinator), Dr. Rakesh Chowdhury, Dr. P. K. Singya, Dr. Alok Kamal (Co-coordinators)	50	Dr. Rakesh Chowdhury
6.	Cybersecurity Awareness and Practices	15/11/2022	Dr. Debanjan Sadhya, Dr. Santosh Singh Rathore	34	Dr. Debanjan Sadhya
7.	Applications of IoT Technology in Agriculture	26/05/2023 to 27/05/2023	Prof. K V Arya, Dr. Debanjan Sadhya and Dr. Avadh Kishor	20	Dr. Debanjan Sadhya
8.	Intelligent Transportation System Towards Safe, Clean and Sustainable Mobility	12-13 May, 2023	Dr. Nalin Kumar Sharma (Coordinator), Dr. Praveen K. Singya, Dr. Rakesh Chowdhury, Dr. Alok Kamal (Co-coordinators)	50	Dr. Praveen Kumar Singya
9.	Intelligent Transportation System towards Safe, Clean and Sustainable Mobility	12-13 May, 2023	Dr. Nalin Kumar Sharma Dr. Rakesh Chowdhary Dr. Praveen Kumar Singya Dr. Alok Kumar Kamal	50	Dr. Alok kumar Kamal
10.	High End Workshop (कार्यशाला) on Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems	27th Feb – 5th March 2023	Dr. Santosh Singh Rathore	25	Dr. Santosh Singh Rathore

11.	5th Workshop on Emerging Software Engineering Education (WESEE 2023)	23rd Feb 2023	Dr. Santosh Singh Rathore, Dr. Saurabh Tiwari, and Dr. Sheikh Umar Farooq	55	Dr. Santosh Singh Rathore
12.	SERB-Sponsored Accelerate Vigyan-Training and Skill Internship (VRITIKA) on "Machine Learning Tools and Techniques for Audio Signal Processing"	20th June to 20th July	Dr. Vinal Patel (Coordinator), Dr. Binod Prasad and Dr. Sandesh Jain (Co-coordinator)	5	Dr. Sandesh Jain
13.	SERB-Sponsored Accelerate Vigyan-Training and Skill Internship (VRITIKA) on "Novel tools and techniques for UAV assisted communication"	26th June to 26th July	Dr. Binod Prasad (Coordinator), Dr. Vinal Patel and Dr. Sandesh Jain (Co-coordinator)	5	Dr. Sandesh Jain
14.	Two weeks ATAL FDP on Blockchain, AI and IoT	5/12/2022 - 16/12/2022	Prof. Aditya Trivedi &Dr. W. Wilfred Godfrey	30	Dr. W Wilfred Godfrey
15.	Self-Sponsored Online Short-Term Course on Blockchain Technology and its Applications	12th - 16th June 2023	Dr.Amrendra Singh Yadav Dr. Avadh Kishor Prof. Pramod Kumar Singh	66	Dr.Amrendra Singh Yadav
16.	Applications of IoT Technology in Agriculture	26 - 27 May 2023.	Prof. K.V.Arya Dr. Avadh Kishor Dr. Debanjan Sadhya	30	Dr. Avadh Kishor
17.	Short-Term Course on Blockchain Technology and its Applications	12-16 June 2023	Dr.Amrendra Singh Yadav Dr. Avadh Kishor Prof. P. K. Singh	66	Dr. Avadh Kishor
18.	Design and Fabrication of Hybrid/Flexible Antennas for 6G and beyond Applications	12th Sept. 2022 to 18th Sept. 2022	Dr. Pinku Ranjan	25	Dr. Pinku Ranjan
19.	Design and Development of Hybrid Antenna For 6G and Beyond Applications	1st Dec. 2022 to 30th Dec. 2022	Dr. Pinku Ranjan	5	Dr. Pinku Ranjan
20.	IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2022),21-23 Dec 2022 Gwalior	21-23 Dec 2022	Dr. Pinku Ranjan	210	Dr. Pinku Ranjan
21.	Faculty Development Program on Statistics for Machine Learning and Data Science	November 21-26, 2022	Dr. Anuraj Singh	17	Dr. Anuraj Singh
22.	Workshop on Nonlinear Phenomena in Mathematical Biology (Online mode)	Dec 19-23, 2022	Dr. Anuraj Singh	480	Dr. Anuraj Singh
23.	Workshop on Applications of Dynamical Systems in Health and Environment	June 05-06, 2023	Dr. Anuraj Singh	29	Dr. Anuraj Singh
24.	Machine Learning Tools & Techniques for Audio Signal Processing	20th June 2023	Dr. Vinal Patel	05	Dr. Vinal Patel
25.	Application of Machine Learning in Audio Signal Processing	5th Sept 2022	Dr. Vinal Patel	25	Dr. Vinal Patel

26.	Workshop on "Technological challenges in Digital Financial Inclusion	20/04/2023-21/04/2023	Dr. Mahendra Kumar Shukla, Dr Sunil Kumar, Dr. Anjali, Dr Anuja Dixit	35	Dr. Anjali
27.	ATAL-FDP on "Advancement on VLSI interconnects & Nanoscale devices" ABV-IIITM, Gwalior	3- 14 Oct. 2022	Pankaj Srivastava	45	Prof. Pankaj Srivastava
28.	Two days National workshop on "Innovation, IPR and Start-ups in Environment, Energy and Health Care: Challenges and Opportunities"	5-6 May 2023	Anurag Srivastava and Pankaj Srivastava	50	Prof. Anurag Srivastava and Prof. Pankaj Srivastava
29.	Workshop on Applications of Dynamical Systems in Health and Environment (ADSHE 2023)	June 05-06, 2023	Dr. Anuraj Singh and Dr. Kapil Kant	25	Dr. Kapil Kant
30.	Workshop on "Technological challenges in Digital Financial Inclusion	20/04/2023-21/04/2023	Dr. Mahendra Kumar Shukla, Dr Sunil Kumar, Dr. Anjali, Dr Anuja Dixit	35	Dr. Mahendra Kumar Shukla
31.	workshop on "Applications of IoT Technology in Agriculture"	May 25-26, 2023	Prof. Karm Veer Arya, Dr. Debanjan Sadhya and Dr. Avadh Kishor	50	Prof. K V Arya
32.	7th ASRES International Conference on Intelligent Technologies (ICIT-2022)	Dec. 16-18, 2022	Prof. K. V. Arya	90	Prof. K V Arya
33.	Advancements in Information Technology and Data Science	5-17 June 2023	Prof. P K Singh and Dr. K. K. Pattanaik	15	Dr. K K Pattanaik
34.	Advancements in Information Technology and Data Science (Module-3)	26 June – 08 July 2023	Prof. P K Singh and Dr. K. K. Pattanaik	15	Dr. K K Pattanaik
35.	Emerging Trends in the Application of Digital Technology in Post-Disaster Management Supported by Shastri Indo-Canadian Institute and DST.	16-17 March 2023	Dr. K K Pattanaik	50	Dr. K K Pattanaik
36.	Intelligent Transportation System Towards Safe, Clean and Sustainable Mobility	12-13 May, 2023	Dr. Nalin Kumar Sharma (Coordinator), Dr. Rakesh Chowdhury, Dr. P. K. Singya, Dr. Alok Kamal (Co-coordinators)	50	Dr. Nalin k Sharma
37.	One Day State Level Workshop on "VIRTUAL LABS"	21 August 2022	Prof. Anurag Srivastava,	50	Prof. Anurag Srivastava,
38.	Capacity building and personality development program (CB & PDP): An event sponsored by National Commission for women (NCW)	08 April 2023	Prof. Anurag Srivastava,	250	Prof. Anurag Srivastava,
39.	Role and importance of Women police station in reducing the crime against women: An awareness	09 April 2023	Prof. Anurag Srivastava	100	Prof. Anurag Srivastava,

40.	Two Day National Workshop Innovation, IPR and Startups in Environment, Energy and Health Care: Challenges and Opportunities (Sponsored by TIIC, TIDE 2.0)	20 - 21 May 2023	Prof. Anurag Srivastava, Prof. Pankaj Srivastava	30	Prof. Anurag Srivastava,

Workshop/Conferences/Symposiums attended by Faculty Member during Year 2022-23						
S.No.	W/C/S	Int./Nat.	Title	Date	Place	Faculty Name
1.	Conferences	International	International conference on the topic Advances in Biomathematics	$21^{st} – 23^{rd}$ July, 2022	Amity Univ., Lucknow Campus	Prof. Joydip Dhar
2.	Workshop	National	Workshop on Capacity Building Program on Data Science	May 22, 2023	IIITDM Jabalpur-482005(MP),	Prof. Joydip Dhar
3.	Workshop	National	Workshop on Applications of Dynamical Systems in Health and Environment,	June 5-6, 2023	IIITM Gwalior	Prof. Joydip Dhar
4.	Conference	International	16th Innovations in Software Engineering Conference (ISEC 2023)	23-25 Feb 2023	IIIT Allahabad, India (Physical)	Dr. Santosh Singh Rathore
5.	Conference	International	7th International Conference on Intelligent Technologies (ICIT – 2023)	16-18 Dec 2022	Jakarta, Indonesia (Virtual)	Dr. Santosh Singh Rathore
6.	Conference	International	10th International Conference on Big Data Analytics (BDA 2022)	9-22 Dec 2022	IIIT Hyderabad, India (Virtual)	Dr. Santosh Singh Rathore
7.	Conference	International	37th International Conference on Advanced Information Networking and Applications (AINA-2023)	29-31 March 2023	Federal University of Juiz de Fora, Brazil	Dr. Avadh Kishor
8.	Workshop	International	IEEE-EDS Workshop on devices and circuits 2023, Khajuraho organized by IEEE EDS, IIT Kanpur and IIT Indore, India on 26th to 28th Jan. 2023	26th to 28th Jan. 2023	Khajuraho organized by IEEE EDS, IIT Kanpur and IIT Indore, India	Dr. Pinku Ranjan

9.	Conference	International	International Conference on Mechanical, Automotive and Mechatronics Engineering (ICMAME 2023),	April 29-30, 2023	Dubai, UAE	Dr. Anuraj Singh
10.	Conference	International	VLSI D, 2022	8th-12th, January 2023	Hyderabad	Dr. Gaurav Kaushal
11.	Conference	National	National Conference on Study of nanomaterials and scientific developments in 21st Century,	16-18 March 2023,	SOS Chemistry, Jiwaji University, Gwalior.	Prof. Anurag Srivastava
12.	Conference	National	National Conference on Study of nanomaterials and scientific developments in 21st Century,	16-18 March 2023,	SOS Chemistry, Jiwaji University, Gwalior.	Prof. Pankaj Srivastava
13.	Conference	International	IEEE conference on Interdisciplinary Approaches in Technology & Management for Social Innovation,	Dec. 21-23, 2022,	(IEEE IATMSI-2022), ABV-IIITM, Gwalior.	Prof. Pankaj Srivastava
14.	Conference	International	Sixth IEEE conference on Information & Communication Technology (IEEE CICT-2022)	November 18-20, 2022,	ABV-IIITM, Gwalior.	Prof. Pankaj Srivastava
15.	Workshop	National	Implementation of National Education Policy 2020 in Technical Education	March, 24-25, 2023	Bhopal	Prof. K V Arya
16.	Conference	National	Suitability of Two Dimensional Nanomaterials for Sensing Air and Water pollutants: Computational Insight	17 March 2023	Jiwaji University, Gwalior	Prof. Anurag Srivastava
17.	Conference	National	Monitoring Environmental Pollution (Air and water) using Nanomaterials based Devices: Computational Insight	17-18 February 2023	ITM University, Gwalior	Prof. Anurag Srivastava
18.	Conference	National	Suitability of Two Dimensional Nanomaterials for Sensing Air and Water pollutants: Computational Insight (Focus On Activities @ IIITM Gwalior)	18 July 2022	Kumaun University Nainital	Prof. Anurag Srivastava

S. No.	Name of officer /Staff	Purpose / Topic	Duration	Period		Organized by / Place
				From	To	
1		DELNET@30- Forging Ahead in Empowering Libraries & Inspiring LIS Professionals	One Day	30th June 2022	30th June 2022	DELNET, New Delhi
2		DELNET-TERI SAS Webinar on "Best Practices for Building Green Campuses"	One Day	31st August 2022	31st August 2022	DELNET, New Delhi
3		Developing a 'Be of service Attitude' for Serving the Library Users	One Day	24th September 2022	24th September 2022	DELNET, New Delhi
4	Sanjay Kumar Soni	DELNET-CEMCA Webinar on "Leveraging OERs to Enhance Higher Learning"	One Day	30th September 2022	30th September 2022	DELNET, New Delhi
5		NACLIN 2022 – 25th National Convention on Knowledge, Library & Information Networking (Organized by DELNET)	Three Days	14th December 2022	16th December 2022	DELNET, New Delhi
6		"Celebrating Library Networking Day on the Occasion of 81st Birth Anniversary of Dr.H.K.Kaul"	One Day	21st December 2022	21st December 20D22	DELNET, New Delhi
7		Design of Energy Efficient Data Processing Device for Cyber Security (Res Militaris, vol.13, n°3, March Spring 2023)	Two Days	30th March 2023	31st March 2023	Bath Spa University, Academic Centre, Ras Al-Khaimah-UAE (Presented Online)
8	Deepa Singh Sisodiya	Rise of AI Conference 2023	One Day	10th May 2023	10th May 2023	AI for Humans GmbH, Berlin (Virtual)
9		Cybersecurity Awareness and Practices	One Day	15th Nov 2022	15th Nov 2022	IT Infra ABV-IIITM Gwalior

Learning Resource Centre (LRC)

PURPOSE: The purpose of the library in any academic institutionis to connect the students, scholars, faculty, and other concerned to the world of information and ideas.

SCOPE: The scope of the library extends to all the teaching staff/non-teaching staff/students/research scholars of this institute. In certain circumstances, persons from outside the institute can also access the facility with prior permission from the concerned authority.

OUR MISSION: LRC, Library at ABV-IIITM Gwalior is privileged to support the institute's march towards its vision "Global excellence in knowledge economy". It strive to connect outstanding faculty and brilliant engineering management students to knowledge and stage of the art of their disciplines and thereby strengthens the aspirations and expectations of the research and teaching work at LRC, Library of ABV-IIITM Gwalior, one of the most significant learning resources Centre in Gwalior is truly hub of knowledge.

RESPONSIBILITY: The responsibility for day-to-day administration of the library lies with the Chairman, Library Committee

ACTIVITIES: At present, the institute library has a separate building, it's nominated as the Learning Resource Centre (LRC) the building plinth area is 5,620 sq. ft. and it is located in the central place of the institute. It serves user on all the days except on three National Holidays and restricted usage during weekly holidays, It has a comprehensive collection of literature predominantly related to information technology and management and its allied subjects to meet the present and future information needs of its users. The library activities are computerized using "Alice Window 6.0".

ABV-IIITM, Gwalior encourages the use of library for professional purpose. Individuals and Organizations can use the library regularly either on a deposit or non-deposit basis, on payment with prior approval from the concerned authority.

Events/ Activities and Orientation Programme organized through LRC 2022-23

S No	Date	Name of Events	Coordinator/Organizer
01	19th October 2022 Time: 02:30 PM Onwards	MyLOFT User Training Monthly Session: Accessing your Library e-Resources using MyLOFT	Through LRC: M/s Eclat Engineering Pvt Ltd, Ahmedabad, Gujrat - INDIA
02	07th November 2022 04:30 PM – 05:00 PM	Orientation Program about the institute library (Learning Resource Centre)	Presented by Prof. Manoj Patwardhan (Chairman, Library Committee)

03	15th November 2022 11:00 AM-12:00 PM	Webinar Session titled: Improving academic writing and boosting research output with Grammarly	Through LRC: M/s Bridge People Technology Solutions Pvt. Ltd. , Bangalore
04	18th to 19th November 2022	The Book Exhibition: This book exhibition was held during 18-19 Nov. 2022. Such exhibitions arehelpful in enhancing learning/ reading habits.	Through LRC (Library)

Statistical Information 2022 - 2023

S. No.	Titles Information	Production During 2021-2022	Production During 2022-2023	Increase
1	Stack Section (26090), Donated (1582), Book Bank (2962)	30370	30634	264
2	E-Books	11824	12994	1170
3	Print Journals	14	12	-
4	E-Resources (E- Journals)	46(e-journals 7181)	39(e-journals 7589)	408
5	Number of M.Tech (1976) including IMT, MBA (936) Thesis include [IMG], B.Tech (CS) 104,Ph D Thesis (115)	2857	3131	274
6	Video Cassettes	165	165	-
7	Text Book CD's= (1822), NPTEL Lecture CD's (921) & DVD's (247)	3129	3137	8
8	Annual Report	252	278	26
9	Bound Journals	976	976	-
10	Magazines	25	38	13
11	Newspapers	14	15	01

ABV-IIITM has extended access to information resources through a virtual library set-up to access databases.

Salient features of the library:

- Member of E-Sodh Sindhu, INFLIBNET Ahmadabad (Setup by MHRD)
- Member of National Digital Library (NDL) Setup by MHRD under its National Mission on Education through Information and Communication Technology (NME-ICT)
- Member of DELNET (Developing Library Network), New Delhi
- Member of Indian Reprographic Rights (IRRO), New Delhi
- Member of ILA (Indian Library Association), New Delhi
- Access to over 6778 online journals made possible through internet
- Economic database provided by CMIE

In addition to approximately 30,600+ textbooks, reference books, and reading material in various areas of Information Technology and Management the library subscribes following (online e-resources also). A list of books related to Philosophy, Yoga, Personality development etc. are also available in both English and Hindi language.

Electronic Resources Available at Learning Resource Centre

S No	Name of E-Resource	Website
1	ACM Digital Library	http://portal.acm.org/portal.cfm
2	The IEEE/IEE Electronic Library (IEL)	http://ieeexplore.ieee.org/

3	Springer Link	http://www.springerlink.com
4	MathSciNet	http://www.ams.org/mathscinet
5	Science Direct:	http://www.sciencedirect.com
6	EBSCO's Business Source Premier	http://search.epnet.coms
7	Indiastat.com	http://www.indiastat.com
8	J-Stor	http://www.jstor.com
9	Emerald insight	http://www.emeraldinsight.com
10	Economic & Political Weekly	http://www.epw.in/frontpage?0=ip_login_no_cache%3D1d561b6288 ded347d725b46f4ce160a1
11	Institute for Studies in Industrial Development (ISID) Database	http://isid.org.in/home.html
12	JGate Plus (JCCC)	http://jgateplus.com/search/
13	Nature	http://www.nature.com/index.html
14	Oxford University Press	http://www.oxfordjournals.org/en/
15	Web of Science Lease Access	http://apps.webofknowledge.com
16	Taylor & Francis e-Books Collection (393 titles)	http://www.crcnetbase.com/
17	IEEE-Wiley e-Books collection (480 titles)	http://ieeexplore.ieee.org/
18	Springer eBooks Collection (8585 titles)	http://www.springerlink.com
19	PROWESS iq (IP Based)	https://prowessiq.cmie.com/
20	PROWESS dx (IP Based)	https://prowessdx.cmie.com/
21	Physical Review Fluids	https://journals.aps.org/prfluids/
22	Physical Review Applied	https://journals.aps.org/prapplied/
23	Physical Review letters	https://journals.aps.org/prl/
24	Reviews of Modern Physics	https://journals.aps.org/rmp/
25	Physical Review A	https://journals.aps.org/pra/
26	Physical Review B	https://journals.aps.org/prb/
27	Physical Review C	https://journals.aps.org/prc/
28	Physical Review D	https://journals.aps.org/prd/
29	Physical Review E	https://journals.aps.org/pre/
30	Physical Review Online Archive-(PROLA)	https://journals.aps.org/archive
31	Physical Review Accelerators and beams	http://journals.aps.org/prstab/
32	Physical Review Physics Education Research	http://journals.aps.org/prstper/
33	Physical Review X	http://journals.aps.org/prx/
34	Physics	http://physics.aps.org/
35	Physical Review Materials	https://journals.aps.org/prmaterials
36	Grammarly (web-tool)	https://app.grammarly.com
37	TURNITIN (web-tool)	https://www.turnitin.com/
38	MyLoft Web-tool	https://app.myloft.xyz/browse/home
39	SCOPUS	https://www.scopus.com/

Laboratories for Teaching and Research

The Institute has laboratories, required for various courses related to IT, Management, and Applied Sciences. The laboratory facilities are continuously being enhanced to cater for the ever-expanding academic and research needs. Various IT tools are used in functional areas like marketing research, decision support system, operational research and others. These laboratories have housed more than four hundred Pentium-based computer systems of different makes such as Compaq, Digital, HCL and Silicon Graphics etc. There are many servers at present to cater to various computing needs of the Institute.

S.No.	Name of the Laboratory	Location	Name of the Faculty Incharge	Email Faculty I/c ***@iiitm.ac.in	Primary Focus
1.	Advanced Networking	103, Block-V	Dr P K Singh	pksingh	Research & Teaching
2.	Basic Electronics Lab	Block-VI/G,002	Dr. Somesh Kumar and Dr. Pinku Ranjan	Somesh and pinkuranjan	Teaching
3.	Behavioral Economics and Analytics laboratory	Block-F	Dr Manoj Kr. Dash	manojdash	Research & Consultancy
4.	Chips to Startup (C2S) Lab	Block-IV/C, 103	Prof. Manisha Pattanaik &Dr. Gaurav Kaushal	manishapattanaik & kaushalg	Research and Development
5.	Communication Skills	Block-C-009			Teaching
6.	Communication Systems	Block-A	Dr AdityaTrivedi	atrivedi	Research & Teaching
7.	Computational Intelligence and Data Mining Research	Block-D	Dr P K Singh	pksingh	Research
8.	Computational Nano Science and Technology	Block-E-114	Dr Anurag Srivastava and Dr Pankaj Srivastava	anurags, pankajs	Research
9.	Data Analysis Lab for Business Management and Social Science Research	Block-F	Dr Naval Bajpai	nbajpai	Data Analysis
10.	Data Communication	Block-A	Dr AdityaTrivedi	atrivedi	Teaching
11.	Development of Smart Monitoring System for Health & oestrous of dairy Cow	Block-F	Dr Rajendra Sahu	rsahu	Teaching & Research
12.	Digital and Analog Electronics Lab	Block-IV/C,214	Dr. Somesh Kumar	somesh	Teaching
13.	Engineering Physics	E-005	Dr Pankaj Srivastava and Dr Anurag Srivastava	pankajs, anurags	Teaching
14.	Enterprise Integration Lab	Block-F	Dr Manoj Patwardhan	manojp	Research
15.	FPGA Prototype and Testing Lab	Block-IV/C, 115	Prof. Manisha Pattanaik Dr. Gaurav Kaushal	manishapattanaik & kaushalg	Teaching, Research and Development
16.	Generic Computing	005, Block-V	Dr. S Bahdauria	saumya	Teaching & Research
17.	High Frequency Simulation Lab/Drone Research Lab	Block-IV/C,211	Dr. Pinku Ranjan, Dr. Somesh Kumar and Dr. Rakesh Chowdhury	Pinkuranjan, somesh, rakeshc	Research and Development

18.	IC Design and CAD Lab	Block-IV/C, 115	Prof. Manisha Pattanaik, Dr. Gaurav Kaushal Dr.Biswabandhu Jana	manishapattanaik & kaushalg	Teaching and Research
19.	IEEE project lab	Block-C	Dr Somesh Kumar	somaesh	Research
20.	Information Security Lab	Block-D	Dr K V Arya	kvarya	Research & Teaching
21.	Intelligent Communication and Signal Processing	Block-IV/C -006	Dr. I. A. Ansari Dr. Binod Prasad Dr. Vinal Patel Dr. Gaurav Sharma	iaansari, binod, vp, gsharma	Research and Development
22.	Interconnect Focused Lab	Block-IV/C,203	Dr. Somesh Kumar, Dr. Alok Kamal	Somesh, kamal	Teaching and Research
23.	IoT Based Automated,Real time and effective Traffic Signal Scheduling for smart City	Block-D	Dr Santosh Rathore	santoshs	Teaching & Research
24.	Machine Learning and Software Development	002B, Block-V	Dr. Santosh S Rathore	santoshs	Teaching & Research
25.	Machine Vision	114, Block-V	Dr K V Arya	kvarya	Research
26.	Materials Synthesis and Sensor Design lab	Block-E	Dr Anurag Srivastava	anurags	Teaching and Research
27.	Environment Science Research lab	Block-E	Dr Anurag Srivastava	anurags	Teaching and Research
28.	Mathematical Modelling and Simulation	Block-E	Dr Joydip Dhar	jdhar	Research & Teaching
29.	Medical Informatics	F103	Dr M Bhattacharya	mb	Research & Teaching
30.	Microcontroller and Embedded Systems Lab	Block-IV/C -213 (II)	Dr. Nalin Kumar Sharma	nalin@iiitm.ac.in	Teaching
31.	Multimedia & Information Security Lab	002-A, Block V	Dr Debanjan Sadhya	debanjan	Research
32.	Robotics	213-B, Block V	Dr W W Godfrey	godfrey	Teaching & Research
33.	Secured Computing	003, Block-V	Dr S Tapaswi	stapaswi	Research
34.	Soft Computing & Expert System	Block-D	Dr Anupam Shukla	anupamshukla	Research & Teaching
35.	Visual Information Processing Research	Block-A	Dr Mahua Bhattacharya, Dr. Sunil Kumar	mb	Research
36.	VLSI Design	Block-C	Dr Manisha Pattanaik	manishapattanaik	Research & Teaching
37.	Wireless Sensor Network	Block-A	Dr K K Pattanaik	kkpatnaik	Research

S. No.	Title of Project	Sanctioned Date	Duration	Funding Agency	PI(S)
1	Chips to Startup (C2S) Programme	19.05.2023	5 Years	Meity New Delhi	Prof Manisha Pattanaik Chief Investigator
2	Designing energy-efficient A I accelerator for 3D object detection	22.05.2023	5 Years	Meity New Delhi	Prof Manisha Pattanaik Chief Investigator
3	Automated Counselling Engine (ACE) for young adults in stress using cognitive computing and data/text mining techniques	30.3.2023	1 Year	Smart Systems Enterprises	Dr Ajay Kumar
4	Purification and Valorization through Indigenous Tailoring of Raw Polymeric Waste into Advanced Multidimensional Carbon Nano Materials (PAVITRAM) for Large Scale Energy Storage Applications Including Supercapacitors and Batteries"	14.3.2023	3 Years	Ministry of environment and Forest, Govt of India	Prof Anurag Srivastava
5	Various ranking principles on difference generalized classes of intuitionistic fuzzy numbers and its applications	27.01.2023	1 Year	King Faisal University	Dr Jeevraj S
6	Puff Dispersion Model for Instantaneous Release of Heavy Gas Chemicals	28.7.2022	6 Months	DRDE , Gwalior	Prof Joydip Dhar
7	Impact Analysis of Women Police Station (WPS) to reduce crime against women in the state of Madhya Pradesh	5.12.2022	1 Year	National Commission for Women , New Delhi	Prof Anurag Srivastava
8	Exploring Trends in Science Technology and Innovation (STI) Indicators for Policy Planning	11.01.2023	1 Year	DST , New Delhi	Dr Vishal Vyas

Publications in Journals/Books/Book Chapters/Conferences

Publications reflect the area interests of the faculty and their research resourcefulness. Publications with student co-authorships encourage strong faculty commitment to mentor both research scholars and post-graduates in research. In 2022-23, ABV-IIITM faculty members have published books and book chapters by well-known publishers in the scientific community, detailed in the table below:

Books/Book Chapters

S.No.	Title	Author (s)	Publisher	Year	Faculty
1.	Digital Image Enhancement and Reconstruction	Shyam Singh Rajput, Nafis Uddin Khan, Amit Kumar Singh, and Karm Veer Arya	Academic Press, Elsevier	2022	Dr. K V Arya
2.	Intelligent Vision in Healthcare	Mukesh Saraswat, Harish Sharma, and Karm Veer Arya	Springer-Nature, Singapore	2022	Dr. K V Arya
3.	Research Advances in Intelligent Computing	Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Lalit Garg	CRC Press	2023	Dr. K K Pattanaik
4.	Research Advances in Network Technologies	Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Lalit Garg	CRC Press	2023	Dr. K K Pattanaik
5.	Memristor and Spintronics as Key Technologies for Upcoming Computing Resources (Nanoscale Memristor Device and Circuits Design)	Piyush Dua, Anurag Srivastava, Parmal Singh Solanki, and Mohammed Saif ALSaidi	Elsevier	2022	Prof. Anurag Srivastava
6.	Dielectrics in Electronic and Energy Storage Devices	S. Agarwal, K. Gaurav, S. Dandeliya, B. SanthiBhushan, P. Saini, and A. Srivastava	NOVA Science Publishers, US	2022	Prof. Anurag Srivastava

2023

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2. Agrawal, S., Mishra, N. & Dhar, J. 2023, "Dynamics of a disease model for three infection phases with media awareness as a control strategy", Journal of Mathematics and Computer Science, vol. 31, no. 1, pp. 56-69.

3. Alrasheedi, M.A. & Jeevaraj, S. 2023, "Membership Score of an Interval-Valued Pythagorean Fuzzy Numbers and Its Applications", IEEE Access, vol. 11, pp. 37832-37839.

4. Bajpai, N., Kulshreshtha, K., Dubey, P. & Sharma, G. 2023, "Travesty of Life Elders Abuse an Inquiry of Physical and Psychological Abuse", Ageing International, vol. 48, no. 2, pp. 413-437.

5. Bhadauria, S. & Singh, V. 2023, "Blending absorptive capacity with open innovation: a bibliometric review", Benchmarking, vol. 30, no. 4, pp. 1110-1136.

6. Bhaskara, S. & Rathore, S.S. 2023, "Causal effect analysis-based intrusion detection system for IoT applications", International Journal of Information Security.

7. Bhowmick, A., Prasad, B. &Nallagonda, S. 2023, "Throughput and harvesting time trade-off in a energy harvesting cognitive radio network", Wireless Networks.

8. Chauhan, S., Kumar, R., Saxena, S., Kaur, A. & Daniel, P. 2023, "SemSyn: Semantic-Syntactic Similarity Based Automatic Machine Translation Evaluation Metric", IETE Journal of Research,

9. Dash, M.K., Singh, C., Panda, G. & Sharma, D. 2023, "ICT for sustainability and socio-economic development in fishery: a bibliometric analysis and future research agenda", Environment, Development and Sustainability, vol. 25, no. 3, pp. 2201-2233.

10. Gauttam, H., Pattanaik, K.K., Bhadauria, S., Nain, G. & Prakash, P.B. 2023, "An efficient DNN splitting scheme for edge-AI enabled smart manufacturing", Journal of Industrial Information Integration, vol. 34.

11. Gupta, J., Dhar, J. & Sinha, P. 2023, "Infection dynamics of rabbit and red fox with alternative prey", Journal of Mathematics and Computer Science, vol. 29, no. 3, pp. 214-238.

12. Gupta, J., Dhar, J. & Sinha, P. 2023, "Mathematical study of the influence of canine distemper virus on tigers: an eco-epidemic dynamics with incubation delay", Rendiconti del CircoloMatematico di Palermo, vol. 72, no. 1, pp. 117-139.

13. Gupta, J., Dhar, J. & Sinha, P. 2023, "Study of anthrax disease dynamics in multi-compartment with Grass and herbivores population", Rendiconti del CircoloMatematico di Palermo.

14. Jain, A., Dhar, J. & Gupta, V.K. 2023, "Optimal Control of Rumor Spreading Model on Homogeneous Social Network with Consideration of Influence Delay of Thinkers", Differential Equations and Dynamical Systems, vol. 31, no. 1, pp. 113-134.

15. Jain, A., Nagar, S., Singh, P.K. & Dhar, J. 2023, "A hybrid learning-based genetic and grey-wolf optimizer for global optimization", Soft Computing, vol. 27, no. 8, pp. 4713-4759.

16. Jain, S. & Majhi, S. 2023, "Sparsity-Constrained Kernel Recursive Generalized Maximum Versoria Criterion Algorithm", IEEE Signal Processing Letters, vol. 30, pp. 498-502.

17. Jeevaraj, S., Rajesh, R. & Lakshmana Gomathi Nayagam, V. 2023, "A complete ranking of trapezoidal-valued intuitionistic fuzzy number: an application in evaluating social sustainability", Neural Computing and Applications, vol. 35, no. 8, pp. 5939-5962.

18. Jessin, T.A., Rajeev, A. & Rajesh, R. 2023, "Supplier selection framework to evade pseudo-resilience and to achieve sustainability in supply chains", International Journal of Emerging Markets, vol. 18, no. 6, pp. 1425-1452.

19. Karunakaran, V. & Das, M. 2023, Comparative Study of Abstractive Summarizers (Sequence2Sequence Models).

20. Kaur, A., Kumar, K., Praksah, A. & Tripathi, R. 2023, "Imperfect CSI based Resource Management in Cognitive IoT Networks: A Deep Recurrent Reinforcement Learning Framework", IEEE Transactions on Cognitive Communications and Networking, pp. 1-1.

21. Khare, K.P., Kathal, R., Shukla, N., Srivastava, R. & Srivastava, A. 2023, "Quantum Molecular Descriptors of 6-Thioguanine Adsorbed PPy-PNVK Conducting Polymer: A DFT Analysis", Asian Journal of Chemistry, vol. 35, no. 3, pp. 555-562.

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23. Kishor, A. & Niyogi, R. 2023, An Efficient Approach to Resolve Social Dilemma in P2P Networks.

24. Kulshreshtha, K., Sharma, G. & Bajpai, N. 2023, "Conjoint analysis: the assumptions, applications, concerns, remedies and future research direction", International Journal of Quality and Reliability Management, vol. 40, no. 2, pp. 607-627.

25. Kumar, A. & Agrawal, G. 2023, "A review of research on entrepreneurship and crowdfunding: insights from bibliometric analysis", Kybernetes, .

26. Kumar, D., Singya, P.K., Choi, K. & Bhatia, V. 2023, "SWIPT Enabled Cooperative Cognitive Radio Sensor Network with Non-Linear Power Amplifier", IEEE Transactions on Cognitive Communications and Networking, , pp. 1-1.

27. Kumar, M., Kishor, A., Samariya, J.K. & Zomaya, A.Y. 2023, "An Autonomic Workload Prediction and Resource Allocation Framework for Fog-Enabled Industrial IoT", IEEE Internet of Things Journal, vol. 10, no. 11, pp. 9513-9522.

28. Mangal, S., Misra, O.P. & Dhar, J. 2023, "Fractional-order deterministic epidemic model for the spread and control of HIV/AIDS with special reference to Mexico and India", Mathematics and Computers in Simulation, vol. 210, pp. 82-102.

29. Meena, Y.K. & Arya, K.V. 2023, "Multimodal interaction and IoT applications", Multimedia Tools and Applications, vol. 82, no. 4, pp. 4781-4785.

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Faculty members on various editorial Boards of Journals and Outreach Activities/Lecture series for the year 2022-23	
Faculty Name	**Faculty members as Invited Speaker**
Dr. Debanjan Sadhya	Delivered an invited talk on Biometric-based secure authentication in IoT ecosystem: Opportunities and challenges, Missouri University of Science and Technology, USA, 2022. Delivered an invited talk on National Level Workshop on LaTeX, ITM University Gwalior, India, 2022.
Dr. Pinku Ranjan	Delivered talk in 7 days High End Workshop/Karyashala Workshop on Recent Trends in Dielectric Resonator Antennas organized by DST/SERB, ABV-IIITM Gwalior, India on 17th to 23rd July. 2023. Delivered talk in 2 days TIIC (TIDE 2.0) Workshop on Intelligent Transportation Systems towards Safe, Clean and Sustainable organized by TIIC, ABV-IIITM Gwalior, India on 12th to 13th May 2023 . Delivered talk in 3 days Workshop IEEE-EDS Workshop on devices and circuits 2023, Khajuraho organized by IEEE EDS, IIT Kanpur and IIT Indore, India on 26th to 28th Jan. 2023. Delivered talk in 3 days FDP/Workshop Recent Development and Challenges in RF and Microwave Communication, organized by VIT Vellore, India on 18th to 20th Jan. 2023. Delivered talk in 7 days High End Workshop/Karyashala Workshop on *Soft Computing and its Application in Electromagnetics (SCAE-2023)* organized by DST/SERB, IIIT Ranchi, India on 3rd to 9th Jan. 2023. Delivered talk in 7 days High End Workshop/Karyashala Workshop on Design and Fabrication of Hybrid/Flexible Antennas for 6G and beyond Applications organized by DST/SERB, ABV-IIITM Gwalior, India on 12th to 18th Sept. 2022. Delivered talk in 7 days one-week training program sponsored by DST-STUTI on "Hands on Training on Microwave & Photonics Related Sophisticated Equipment and Components (HTMPRSEC22), MNNIT Allahabad, Prayagraj, India on 6th to 12th June 2022. Organizer act as an Organizing Chair in IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2022),21-23 Dec 2022 Gwalior, India Organizer act as Technical Program Committee Chair in IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2022),21-23 Dec 2022 Gwalior, India
Dr Saumya Bhadauria	Delivered expert talk on Cybersecurity Awareness and Practices, organized by ABV-IIITM Gwalior on November 15, 2022.
Dr Avadh Kishor	Delivered an invited talk in Workshop on "Intelligent Transportation Systems towards Safe, Clean and Sustainable," at ABV-IIITM Gwalior. Delivered an expert talk in Workshop on "Applications of IoT Technology in Agriculture," at ABV-IIITM Gwalior Training Program on "Advancements in Information Technology and Data Science". Delivered a Talk on the Training program "Advancements in Information Technology and Data Science" held at ABV-IIITM Gwalior on 05-06-2023. Delivered a Talk on the Karyashala "Machine Learning Applications for Medical Imaging" held at ABV-IIITM Gwalior on 16-07-2023.

Dr Amrendra Singh Yadav	Delivered an invited talk on Two-Week AICTE sponsored workshop on "Blockchain" under ATAL Programme: organized by Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh, India, on February 6-17, 2023. Delivered a talk in 7-day High-End Workshop/Karyashala on "Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems" organized by DST/SERB, ABV-IIITM Gwalior on February 27 to March 5, 2023. Delivered an invited talk on IEEE Computer Society online webinar on Blockchain Technology, organized by SRMCEM Lucknow on May 2, 2023. Delivered an invited talk on One Week Online Workshop on "Blockchain and Cryptocurrencies" organized by Shri Mata Vaishno Devi University, Katra, Jammu (Jammu & Kashmir) May 24, 2023. Delivered an invited talk on One-Week International Faculty Development Programme on "Blockchain Technology and Its Applications" organized by Vardhaman College of Engineering, Hyderabad, May 27, 2023. Session Chair for ICABCS-2023 to attend the online paper presentation sessions on 24th February 2023 and 25th February 2023, at Galgotias University, Greater Noida.
Dr Vinal Patel	Delivered an expert talk on "Nonlinear adaptive filters and their Applications" in SERB sponsored Karyashala "VLSI Architectures for Signal and Image Processing" on December 22, 2022 in Dept. of ECE, IIT (BHU). Delivered an expert talk on "Artificial intelligence based human health monitoring system" in SERB sponsored Karyashala "Artificial Intelligence for Biomedical Applications" on May 26, 2023 at the School of Biomedical Engineering at IIT(BHU) Varanasi. Delivered an expert talk on "Cognitive Engineering in Audio Processing Systems" in SERB sponsored Karyashala Workshop "Data Analytics for Cognitive Engineering" on March 14, 2023 at ECE Department VNIT Nagpur.
Prof Joydip Dhar	Delivered an online invited talk on May 22, 2023, during the Capacity Building Program on Data Science from May 19-June 01, 2023, Indian Institute of Information Technology, Design and Manufacturing Jabalpur, Jabalpur- 482005, (MP). Delivered an invited talk on June 6, 2023, during the Workshop on Applications of Dynamical Systems in Health and Environment, ABV-IIITM Gwalior.
Dr Ajay Kumar	Delivered an invited talk on June 6, 2023, during the Workshop on Applications of Dynamical Systems in Health and Environment, ABV-IIITM Gwalior.
Prof. S Tapaswi	**Cyber Security** 15/11/2022, Cyber Security Awareness and Practices workshop (ABV-IIITM Gwalior) **Honeypots & its variants** 27 Feb-5 March 2023, Karyashala on "Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems" (ABV-IIITM Gwalior) **IoT for agriculture** 26-27May2023 TIIC Workshop on IoT applications in Agriculture(ABV-IIITM Gwalior) **Patent Details** : Patent titled "System for Indoor Position Tracker and Associated Method" by Deepti Maduskar& Shashikala Tapaswi, ABV-IIITM Gwalior, Indian Application Number : 201721017546, Patent Granted on 29th August 2022, Patent Number 404853.
Prof. Aditya Trivedi	Atal Research and Incubation Conclave (ARIC'22) (01 Day), 10th December 2022. An exhibition was organized in which PhD scholars of IT department displayed their research work.
Dr. Sunil Kumar	Speakeres at High-End Workshop "KARYASHALA" on Deep learning applications on Medical Imaging dated : 17 -23 July 2023 Speakeres at FDP on Statistics for data Sciences date: 24 -11-2022

Dr. Rakesh Chowdhury	**Invited talk** on "Circularly Polarized Dielectric Resonator Antennas: Theoretical background, Idea and Analysis" in Karyashala (high end workshop) on 17 -23 July 2023, Organized by Department of Electrical and Electronics Engineering, ABV-IIITM Gwalior, India Session chair at "International Conference on Microwave, Antenna and Communication" MNNIT Allahabad, 24-26 march, 2023.
Dr. Praveen Kumar Singya	**Invited talk** on "mmWave Band: The Road Towards Next Generation Wireless Communication" in Karyashala (high end workshop) under the Accelerate Vigyan scheme, from 17 -23rd July 2023, Organized by Indian Institute of Information Technology Kota (IIIT Kota), India
Dr. Alok Kumar Kamal	Emerging Memory Devices for Neuromorphic Applications: FDP on Fabrication Techniques for Nano-Devices (FTND-2023), at Vellore Institute of Technology, Chennai, India, on 22nd March 2023.
Dr. Santosh Singh Rathore	Co-supervised MTech student Department of Energy Science and Engineering at Indian Institute of Technology Delhi with Dr. Rahul Goyal. Delivered expert lectures in various workshops and FDPs. Served as a speaker at Intellectual Basket of Women National Conferences 2022 to be organized by Jayoti Vidyapeeth Women's University Jaipur from 15 May - 18 May 2023.
Dr. Sandesh Jain	Invited talk on "Intelligent Transportation Systems Using Visible Light Communication" in workshop titled "Intelligent Transportation Systems towards Safe, Clean and Sustainable," on 12 -13th May 2023, *sponsored by the TIIC*, Gwalior and conducted by the Department of Electrical and Electronics Engineering, ABV-IIITM Gwalior, India. Invited talk on "Sparse Signal Processing for millimetre wave communications" in High End Workshop (KARYASHALA) titled "mmWave Band: The Road Towards Next Generation Wireless Communication " during July 17-23, 2023 sponsored by SERB under the Accelerate Vigyan scheme and conducted by Indian Institute of Information Technology, Kota, India
Dr. W. Wilfred Godfrey	Talks given Machine Learning classification algorithms, Faculty Development Programme, ABVIIITM, Gwalior, November 2022. Webinar on Block Chain basics, AICTE Training and Learning (ATAL) sponsored Faculty Development Programme on "AI, IOT and Block Chain" during 5 -16, December 2022 through online mode, Department of ICT, ABV-IIITM Gwalior. Machine Learning in Medical Imaging, Plenary talk in 11th International Conference on "Technology, Innovation and Management for Sustainable Development-TIMS 2023 on March 24, 2023 at ITM University , Gwalior. Networking Concepts, Training for Gujarat Power Engineering and Research Institute from 26-27, June 2023.
Dr. Anuraj Singh	Delivered an invited talk on " Codimension-m bifurcations in discrete-time ecological models" at International Conference on Differential Equations and Control Problems, School of Mathematical & Statistical Sciences, Indian Institute of Technology Mandi, Himachal Pradesh, during June 15-17, 2023. Delivered an expert talk at 3 days online FDP on " Codimension-m bifurcations in discrete-time ecological models" at Introduction to Mathematical Biology: From Theory to Applications, Vellore Institute of Technology, Vellore during June 07-09, 2023.

Dr. Deepak K Dewangan	Delivered an expert lecture (online) on the topic "Feature Learning through Deep Learning Techniques" at Vipra Kala, VanijyaAvamSharirik Shiksha Mahavidyalaya, Raipur held on 26-28 June 2023.
Dr. Mahendra K Shukla	Organized a webinar on "Joint Communications and Computation Design for 6G Digital Twin Networks" on, 22nd May 2023 at 3:30 PM IST. Speaker: Trung Q. Duong (Fellow of IEEE and Fellow of AAIA) is a Chair Professor in Telecommunications at Queen's University Belfast, UK
Dr. Nalin k Sharma	Dr. Nalin Kumar Sharma delivered an invited talk in Short Term Course on "RecentIndustrial trends in Control and Optimization (RICO-2023)" at Dr. B.R. Ambedkar National Institute of Technology Jalandhar, Jalandhar, Punjab, India on May 4,2023. Dr. Nalin Kumar Sharma delivered a talk in TIIC sponsored workshop on Intelligent Transportation Systems towards Safe, Clean and Sustainability at ABV-IIITM Gwalior, India on May 12-13 2023. Expert Lecture on Analog Circuit design life cycle Invited Prashant Admane (Group Technical Manager, HCL Tech, Banglore) to deliver a talk on 31March.Prashant Admane discussed"Exploration of analog circuit design and development lifecycle". The talk was followed by a panel discussion on "ABV-IIITM & HCL Tech. Collaboration" chaired by Hon'ble Director, Mr. Prashant, and the faculties of Department.

Member of the editorial Boards of Journals: Faculty members of the Institute

S. No.	Faculty	Name of Journal	Publisher	Since
1.	Dr. Rakesh Chowdhury	International Journal of Antennas and Propagation	Hindwai (Academic Editor)	December, 2022
2.	Dr. Praveen Kumar Singya	Frontiers in Communications and Networks	Frontiers	2021
3.	Dr. Santosh Singh Rathore	International Journal of System Assurance Engineering and Management	Springer	April 2023
4.	Dr. Sandesh Jain	Review Editor for Frontiers in Signal Processing	Frontier	2021
5.	Dr. Jeevaraj S	Guest Editor: Editing a Special Issue titled "Various Generalizations to Fuzzy sets and Their Applications in Engineering and Management" in the MDPI Journal "Mathematics" (SCI, Q1, Impact factor: 2.4)		
6.	Dr. Pinku Ranjan	Journal of Electronic Research and Application (JERA).	Bio-Byword Scientific Publishing Pty. Ltd	2019
7.	Dr. Mahendra Kumar Shukla	Associate Editor, IEEE Sensors Letters	IEEE	April 2023-Till date
8.	Dr. Mahendra Kumar Shukla	Area Editor, Elsevier Physical Communication	Elsevier	September 2023-Till date
9.	Dr. Mahendra Kumar Shukla	Editor (Technical Committee), Elsevier Computer Communications	Elsevier	March 2022-Till date
10.	Dr. Mahendra Kumar Shukla	Review Editor, Frontiers in Communications and Networks	Frontiers	Jan 2021-Till date
11.	Prof. K. V. Arya	Multimedia Tools and Applications	Springer	Dec. 2021
12.	Prof. K. V. Arya	Proc. of 7th ASRES International Conference on Intelligent Technologies (ICIT-2022)		Dec. 16-18, 2022

| 13. | Prof. Anurag Srivastava

(As a Reviewer and in Editorial Board) | Member, Editorial Board, Journal of Computing, USA, since 2011
Associate Editor, ISST Journal of Electrical and Electronics Engg, India since 2012
Reviewers of a number of reputed Scientific Journals
Scientific Reports (Nature Journal)
ACS-Nano
RSC-Advances
Advanced Materials
Elsevier Journals of Physics and Materials Science
Springer Journals
Taylor and Francis Journals
World Scientific Journals
IEEE-Transaction- Nanotechnology
IEEE-Sensors
IEEE- Access
IEEE Transaction on Electronic Devices | | |

Right to Information Act, 2005: Report (01.07.2022 - 30.06.2023)

For the implementation of the Right to Information Act 2005, Institute has been taking the initiative to make the system transparent and trying to upload maximum information on the Institute website suo-moto for the citizens of India. The implementation of the RTI Act 2005 is ensured by the officials designated for the purpose, are as follows:

Shri Pankaj Gupta, Registrar In-Charge Central Public Information Officer	Registrar, First Appellate Authority,

Other details:

No. of RTI applications received in the Institute	08 (offline)
No. of RTI applications replied by the Institute	08
No. of first appeals received by the Institute	NIL
No. of decisions passed by the FAA of the Institute	NIL
Amount collected as RTI fee and additional fee	Rs 460/-

SOURCES OF FUNDS	Schedule	Current Year (₹)	Previous Year (₹)
Corpus Fund/ Capital Fund	1	3,62,99,67,706.00	3,50,69,80,808.38
Designated / Earmarked / Endowment Funds	2	1,52,27,46,526.00	1,40,56,63,755.82
Current Liabilities and Provisions	3	46,29,35,214.00	27,01,00,119.43
TOTAL :		**5,61,56,49,446.00**	**5,18,27,44,683.63**
-			
APPLICATION OF FUNDS			
Fixed Assets (Gross Value)	4		
Tangible Assets		1,99,59,95,074.00	1,96,30,88,921.00
Intangible Assets		16,83,78,505.00	15,12,07,612.00
Capital Works-In-Progress		64,28,17,398.00	64,15,97,843.00
Investments- From Earmarked / Endowment Funds			
Long Term	-	0.00	0.00
Short Term	5	93,43,36,520.00	88,54,78,136.00
Investments- Others	6	0.00	0.00
Current Assets	7	1,68,63,38,833.00	1,37,71,15,072.47
Loans, Advances & Deposits	8	18,77,83,116.00	16,42,57,099.15
TOTAL :		**5,61,56,49,446.00**	**5,18,27,44,683.62**
Significant Accounting Policies	23		
Contingent Liabilities and Notes on Accounts	24		

Date: 31st May 2023

Place: Gwalior

Income & Expenditure Account for the year ended 31st March 2023

Particulars	Schedule	Current Year (₹)	Previous Year (₹)
A. INCOME :			
Academic Receipts	9	16,77,82,194.00	13,24,19,494.29
Grants / Subsidies	10	29,83,76,235.00	25,98,61,915.46
Income from Investment	11	7,30,52,348.00	4,31,82,915.00
Interest Earned	12	1,23,61,283.00	1,50,98,440.00
Other Incomes	13	83,20,804.00	72,42,670.74
Prior Period Income	14	2,73,89,897.00	0.00
Total (A) :		**58,72,82,761.00**	**45,78,05,435.49**
B. EXPENDITURE :			
Staff Payments & Benefits (Establishment Expenses)	15	28,51,26,830.00	12,36,88,084.00
Academic Expenses	16	3,04,12,426.00	4,05,13,437.40
Administrative and General Expenses	17	9,65,72,704.00	6,99,07,590.23
Transportation Expenses	18	12,70,128.00	4,35,426.00
Repairs & Maintenance	19	3,10,44,896.00	2,52,95,291.29
Finance Costs	20	3,787.00	3,086.54
Depreciation	4	5,17,57,122.00	5,06,58,165.66
Other Expenses	21	0.00	0.00
Prior Period Expenses	22	27,83,886.00	19,000.00
Total (B) :		**49,89,71,779.00**	**31,05,20,081.12**
C. Balance being excess of Income over Expenditure (A-B) :		**8,83,10,982.00**	**14,72,85,354.38**
D. Less : Transfer to Internal Corpus Fund :	1.1	(28,89,06,526.00)	(19,79,43,520.03)
E. Add : Amount taken from Internal Corpus Fund :	1.1	0.00	0.00
Being amount transferred to Schedule 1 (C-D+E) :		**-20,05,95,544.00**	**-5,06,58,165.66**

सीखने की प्रक्रिया जीवनभर जारी रहेगी : कुमार

केंद्रीय शिक्षा राज्यमंत्री ने ट्रिपल आईटीएम में बैठक ली

'दुनिया के टॉप इंस्टीट्यूट के साथ एक्सचेंज प्रोग्राम करेंगे'

एबीवी ट्रिपल आईटीएम • नई शिक्षा नीति के तहत शिक्षण संस्थान ने लिया निर्णय

इंजीनियरिंग में अच्छे नंबर लाने पर ब्रांच बदल सकेंगे विद्यार्थी, इसी सत्र से मिलेगा विकल्प

5 वर्षीय इंटीग्रेटेड कोर्स से एग्जिट का विकल्प भी मिलेगा

एबीवी ट्रिपल आईटीएम... मप्र के 3 ट्रिपल आईटी में ग्वालियर का संस्थान छात्रों की पहली पसंद

बीटेक सीएसई में 2021 के मुकाबले 2022 में 1529 रैंक का आया सुधार, आईपीजी एमटेक में 1549 रैंक सुधरी

पहली बार इंजीनियरिंग के एक बैच में 54 छात्राओं को डिग्री, 18 को गोल्ड

एबीवी ट्रिपल आईटीएम: 50 करोड़ रुपए में तैयार होगा 500 की क्षमता का बॉयज हॉस्टल

अब 30 विद्यार्थियों को हर साल मिलेगी 50 हजार की इंटरनेशनल स्कॉलरशिप

एबीवी ट्रिपल आईटीएम में कन्फ्रेंस

ब्लॉक चेन एवं डिफरेंसियल इन्फॉर्मेशन पर डिस्कशन

ट्रिपल आईटीएम में अटल रिसर्च एंड इनक्यूवेशन कॉन्क्लेव 8 से

इस बार दो राउंड में ही भर गईं 260 सीट, सिर्फ 5 सीट खाली

एबीवी ट्रिपल आईटीएम में सीआईसीटी सम्मेलन आज से

कॉन्फ्रेंस में जीजी पर रिसर्चर्स का डिस्कशन

दुनिया के देश भारत को मान्यता दे रहे हैं इंस्टीट्यूट खोलने के लिए बुला रहे हैं

केंद्रीय राज्य शिवामंत्री IIITM के रिव्यू के लिए आए

ट्रिपल आईटीएम की इंजीनियरिंग में 78, मैनेजमेंट में 64वीं रैंक

इंजीनियरिंग में 28 रैंक का सुधार, मैनेजमेंट में 6 रैंक हुई कम

33 विद्यार्थियों को मिले गोल्ड मेडल 294 को मिली उपाधि, खिल उठे चेहरे

सीसी तकनीक पर हो रहा है शोध, इसके सिग्नल कोई भी डी-कोड नहीं कर सकेगा

एबीवी ट्रिपल आईटीएम पीएचडी प्रवेश के लिए प्रोविजनल सूची जारी

इंटर्नशिप: इस बार ऑन कैंपस मिला ₹1.25 लाख का स्टायपेंड, पहले ऑफ कैंपस मिलता था

ट्रिपल आईटीएम में पहली बार बनाए जाएंगे 6 डीन, 5 साल बाद होगा दीक्षांत समारोह

घर के लिए बनाया 4 फीट का वाटर ट्रीटमेंट प्लांट, शहर का स्टार्टअप बना रहा ड्रोन पार्ट

15 हजार से कम स्टायपेंड नहीं

शोधार्थियों ने पढ़े रिसर्च पेपर, हर ट्रेक से तीन बेस्ट रिसर्चर को मिलेगा अवॉर्ड

आंत्रप्रिन्योर को बढ़ावा देने स्टार्टअप रन होगी, सालभर साझा होंगे आइडिया

एबीवी ट्रिपल आईटीएम में एल्युमिनी मीट आज से, 17 को मुख्य समारोह

21 साल बाद मिले दोस्त, साथ में खेला शू-माउंटेन और ट्रेजर हंट

स्थापना दिवस पर पूर्व कुलपति प्रो. कांचा ने कहा- छात्रों को शिखर तक पहुंचाने के लिए सही मार्गदर्शन बहुत जरूरी

हर साल एल्युमिनी मीट 16 को ही होगी, मुख्य समारोह आज

ट्रीज्म बोर्ड की पहल

एबीवी ट्रिपल आइटीएम में एलुमिनी मीट
हमेशा बड़े सपने देखो और उसे पूरा करो

एबीवी ट्रिपल आईटीएम का 25वां स्थापना दिवस मनाया

ट्रिपल आईटीएम: स्थापना दिवस पर पहली बार शिक्षकों को मिले अवॉर्ड

हमें जागरूक होकर कोरोना से फिर 'लड़ना' है

एबीवी ट्रिपल आईटीएम में अब नॉन इंजीनियरिंग स्टूडेंट्स भी कर सकेंगे एमबीए

आईआईटीएम में इस बार सिक्युरिटी से होंगे प्रवेश, ट्रिपल आईटीएम में एमबीए के लिए एडमिशन शुरू

कैंपस प्लेसमेंट : जनवरी में 21 लाख का मिला सर्वाधिक पैकेज

- 26 को भी आईएनजी कंपनी | कैंपस प्लेसमेंट में

एबीवी ट्रिपल आईटीएम: एमबीए में पहली बार नॉन टेक्निकल ग्रेजुएट भी ले सकेंगे प्रवेश

ग्वालियर। अटल बिहारी वाजपेयी इंडियन इंस्टीट्यूट ऑफ इन्फॉर्मेशन टेक्नोलॉजी एंड मैनेजमेंट (एबीवी ट्रिपल आईटीएम) में 2 साल के एमबीए में प्रवेश प्रक्रिया शुरू हो गई है। पहली बार इसमें बड़ा बदलाव किया गया है। अब नॉन टेक्निकल ग्रेजुएट भी इसमें प्रवेश ले सकेंगे। अब तक इसमें बीटेक वालों को ही प्रवेश दिया जाता था, लेकिन इस बार यह बाध्यता खत्म की गई है। नई शिक्षा नीति के तहत यह बदलाव किया गया है।

7 तक पीएचडी के आवेदन

छात्रों को शिखर तक पहुंचाने के लिए सही मार्गदर्शन की जरूरत

ट्रिपल आईटीएम में भरेंगे फैकल्टी के 71 पद

एबीवी ट्रिपल आईटीएम में फुल व पार्ट टाइम पीएचडी की प्रवेश प्रक्रिया शुरू

ग्वालियर। अटल बिहारी वाजपेयी इंडियन इंस्टीट्यूट ऑफ इन्फॉर्मेशन टेक्नोलॉजी एंड मैनेजमेंट (एबीवी ट्रिपल आईटीएम) में फुल और पार्ट टाइम पीएचडी की प्रवेश प्रक्रिया शुरू हो गई है। यह पीएचडी मैनेजमेंट, एलाइड साइंस और इंजीनियरिंग क्षेत्र में कराई जाएंगी।

आगे बढ़ाई फैकल्टी की भर्ती प्रक्रिया, फरवरी में जारी होगा विज्ञापन

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