



# GUNJAN

A Bi-annual newsletter of ABV-IIITM Gwalior

ज्ञानस्य उत्तम श्रोतं

January - June 2023 | ISSUE : 01/2023

## FROM THE DIRECTOR'S DESK

I am pleased to provide the half-yearly newsletter “Gunjan” (January-June 2023) depicting the major activities of Atal Bihari Vajpayee-Indian Institute of Information Technology & Management Gwalior (ABV-IIITMG). This Institute, being an Institute of national importance under the Ministry of Education, Govt. of India, is completing its 25th year of starting its academic program and fulfilling its mission and vision to excel the quality education, research, and its service to local, national, and international communities.



The Institute is going to start two new BTech Programs: Electrical & Electronics Engineering, and Mathematics & Scientific Computing from academic year 2023-24 in addition to our existing 4-year BTech (Computer Science & Engineering), 5-year Integrated Post-Graduate (BTech. (IT) + MTech), 5-years Integrated Post-Graduate (BTech (IT) + MBA) with exit option of having only BTech (IT) after 4 years. Institute is also having excellent 2-year MBA, 2-year MTech program in 3 disciplines and full/part- time/QIP PhD program in number of disciplines.

Institute has started several new initiatives for the benefits of the students such as branch change after first year, exit programs, summer terms, internships, minors along with major degrees, conversion from regular MTech to PhD, regular PhD to Part-time PhD, various scholarships to the UG/IPG students, etc.

During January to June 2023, institute achieved many milestones in academics, research and students' activities. Some of the highlights are:

- ◆ Had 2 Senate, 2 finance committee, 2 BoG meetings. 4th Convocation is planned in July 2023.
- ◆ Institute bags many sponsored & consultancy projects, Karysalas & Vertika from India and abroad.
- ◆ Selection of faculty positions (03/2022) and (02/2023) have been finished. More than 15 faculty members were selected, and many have joined. Faculty Research initiation grant up to 10 lakhs is given to newly joined (external) faculty members.
- ◆ The alumni meet was held during January 15-16, 2023 and first ever foundation day celebration was celebrated on January 17, 2023. It is decided that every year institute will have alumni meet on 16th January and Foundation Day on 17th January.
- ◆ On Foundation Day (January 17, 2023), Prof Pankaj Srivastava was given ABV - Outstanding Teacher Award 2022 and Dr Anuraj Singh was given ABV-Young Faculty Award 2022.
- ◆ MoU between the National Institute of Electronics and Information Technology (NIELIT) New Delhi was signed on April 20, 2023 to increase the skill and research development.
- ◆ ABV-IIITM Gwalior Ranked **11th in the Best B-School** (Government) by IIRF 2023.
- ◆ As per the **DataQuest Rankings 2023**, ABV-IIITM Gwalior has achieved the 5th Rank in Top T-Schools of India and Top T-Schools in India 2023 (Government): 4th Rank.
- ◆ Jishnu Bhattacharyya, MBA student won 2023 University of Nottingham Tri-Campus Postgraduate Award

Our vision is to make our Institute a world-class educational centre of knowledge generation, acquisition and dissemination that will benefit society, and to educate and train people to work in fields where they will be valued both for their specialised knowledge and for their ability to research, communicate and solve problems.

I thank and appreciate the efforts of The Editorial Board for timely publication of this issue of ABV-IIITMG Newsletter. I am sure that this issue of half-yearly newsletter will provide as a literary treasure and source of information for all.

GUNJAN – A BI-ANNUAL NEWSLETTER OF ABV-IIITM GWALIOR - ISSUE - 01/2023



## INSTITUTE ACTIVITIES & ACHIEVEMENTS

### General activities, Awards and 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 effort to connect campus-A and B is in progress. An underpass is in construction and hope that soon it will connect both the campuses.
- The Institute had residential specially for boys and so a new hostel with 500 capacity has been proposed and passed by ministry. Soon the construction will 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 successfully implemented.
- 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 physician, one homeopathic and a gynaecologist). General medicines are also available in the health centre.

### Alumni Meet

The Institute celebrated alumni meet during January 15-16, 2023. Many alumnus visited the Institute campus during the event. The Hon'ble Director welcomed the alumnus. Various interaction sessions and meetings were organized with faculties and current students. Some sports' events and Kavisammelan were also the part of alumni meet so that they again recall their student life. Prof Anurag Srivastava was the coordinator of the event.



### 25th Foundation Day

The Institute celebrated its silver Jubilee year on January 17, 2023 as the foundation stone was laid on this day in 1997. The beginning of IIITM could be traced back to 1992,



when MHRD (Presently Ministry of Education, Govt. of India) under Dr P G Reddy contemplated setting up of advanced information systems in the likes of IIMs and IITs in different locations of India. Prof Pankaj Srivastava received ABV-Outstanding Teacher Award 2022 and Dr Anuraj Singh was given ABV-Young Faculty Award 2022.

### Republic Day

Republic Day is the day when India marks and celebrates the date on which the Constitution of India came into effect on 26 January 1950. 74th republic day was celebrated at the Institute on January 26, 2023 in front of Administrative Block as per the guidelines of MHA. Students, staff, faculty members and other outsourced staff of the Institute joined the celebrations followed by cultural program and different speeches. Certificates were also distributed to those students who participated in a hundred meter race organized on the occasion. Plantation drive was also the part of the celebration.







### A SERB sponsored Karyasala by CSE Department

Dr Santosh Singh Rathore, Dr Vinal Patel and Dr Debanjan Sadhya organized a high end workshop (कार्यशाला) on "Artificial Intelligence Techniques for Reliability and Security Analysis of Software Systems" in the Department of CSE between February 27-March 05, 2023. The workshop was sponsored by SERB DST (Under the Karyashala Scheme - A SERB Initiative).

### A SERB sponsored Karyasala by EEE Department

The Department of Electrical and Electronics Engineering, ABV-IIITM Gwalior conducted a SERB-sponsored High-End workshop/Karyashala on "Advances in Nanoscale Transistors for Next-Generation Applications" from February 27-March 5, 2023. The workshop was sponsored by SERB DST (Under the Karyashala Scheme - A SERB Initiative).



### Workshops under the aegis of the National Commission for Women

The Institute organized two workshops April 8-9, 2023 under the aegis of the National Commission for Women at the conference hall, ABV-IIITM Gwalior. First day, the topic of the event was "Workshop on Capacity Building and Personality Development Programme". Many UG and PG girls from Girls from different colleges of Gwalior participated the event. Second day, workshop on "Role and Importance of Women Police Station in reducing the Crime Against Women: An awareness workshop" was conducted. It was aimed for female faculty, staff and students from different colleges of Gwalior. Prof Anurag Srivastava coordinated both the workshops.

### TIIC sponsored workshop by IT Department



At an October 2014 conference, Jamie Caruana, General Manager of the Bank for International Settlements, emphasized this point by noting that institutions including the G20 and global financial regulators "have the opportunity - and indeed the responsibility - to prepare the standard-setting world for both the risks and the rewards of the digitization of financial services." On the same theme, the department of IT organized a two-day workshop titled "Technological Challenges in Digital Financial Inclusion" during April 20-21, 2023, sponsored by TIIC, ABV-IIITM Gwalior. The coordinators of the event were Dr Sunil Kumar, Dr Mahendra K Shukla, Dr Anuja Dixit, and Dr Anjali.

### 2023 IEEE PES Day Celebration

The Institute celebrated the IEEE PES day during April 21-22, 2023 on the theme on the theme Powering a climate safer future. The celebration was open to ideas and actions to save the world to recognize citizens' contributions, encourage them and provide them with limelight so that they can spread their actions and ideas. But there are odd individuals, organizations, and government bodies out there, who actually are taking significant actions and have brilliant ideas to save the world from the catastrophic effects of climate change.



### TIIC sponsored workshop by EEE Department



The department of EEE organized a two-day workshop titled "Intelligent Transportation Systems towards Safe, Clean and Sustainable Mobility" during May 12-13, 2023, sponsored by TIIC, ABV-IIITM Gwalior. The workshop focussed on the challenges of creating safe, clean, and sustainable transportation systems that can serve the needs of society. The coordinators of the event were Dr Nalin Kumar Sharma, Dr Rakesh Chowdhury, Dr Praveen Kumar Singya and Dr Alok Kamal.



### A two days National Workshop

In the last two decades, it has been realized that affordable, clean, and reliable energy is the precursor for world's prosperity and economic growth. With the same theme in mind, the Department of Applied Sciences of the Institute organized a two days National workshop on "Innovation, IPR and Startups in Environment, Energy and Health Care: Challenges and Opportunities" from May 20-21, 2023. The organizers received an overwhelming response by the participants. The number of seats were 55. Prof Anurag Srivastava and Prof Pankaj Srivastava were the workshop coordinators.

### 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 (Fellow of IEEE 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 a number of 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 done 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 K Pattaniak 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 in Advancements 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.

### International Day of Yoga

On June 21, 2023, the Institute celebrated the International Yoga Day with Hon'ble Director, Faculty members, Staff and students of the Institute. The participants actively participated in the Yoga session organized at the sports complex of the Institute on the occasion of International Day of Yoga.



### Pledge taking

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.

### MoUs Signed

1. An MoU has been signed between the National Institute of Electronics and Information Technology (NIELIT) New Delhi and ABV-IIITM Gwalior on April 20, 2023 to increase the skill and research development.
2. An MoU has been signed between Khabarovsk Federal Research Centre of the Far Eastern Branch of the Russian Academy Of Science and ABV-IIITM Gwalior on June 8, 2023. The purpose of the MoU is for research development and exchange program both in faculty and students.



### PhD Awarded

The Institute produced 04 number of PhDs during the period of January-June 2023. The details are given below:

S.No.	Name	Thesis Title
1.	Sneha Upadhyay	Doped Phosphorene and Antimonene Nanosheet as Anode Material for Na-ion Battery
2.	Monika Srivastava	Computational Investigations of Nanostructured Materials as Sensors for the Carcinogenic Elements in Water and Air
3.	Vijay Shankar Sharma	Study of Bifurcation, Resonance and Control in Discrete-Time Ecological Systems
4.	Sonal Agrawal	Computational Synthesis of One Dimensional Nanostructures for Interconnect and Sensing Applications



### Visitors to the Institute

1. 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.



### Joining of new faculties

The first and second drive for faculty recruitments is over and also ten new faculties have joined the Institute during January-June 2023. Dr Anjali, Dr Mahendra Kumar Shukla, Dr Rakesh Chowdhury, Dr Nalin Kumar Sharma, Dr Praveen Kumar Singya, Dr Sandesh Jain, Dr Pragya Swami, Dr Irshad Ahmad Ansari, Dr Narinder Singh Pun, Dr Kapil Kant, Dr Deepak Kumar Dewangan, Dr Purendu Mishra and Dr Vivek Tiwari joined their respective departments.



## FACULTY ACHIEVEMENTS

### Invited Talks

1. Dr Avadh Kishor delivered an invited talk in Workshop on "Intelligent Transportation Systems towards Safe, Clean and Sustainable," at ABV-IIITM Gwalior.
2. Dr Avadh Kishor 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".
3. 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.
4. Dr Amrendra Singh Yadav 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.
5. Dr Amrendra Singh Yadav delivered an invited talk on IEEE Computer Society online webinar on Blockchain Technology, organized by SRMCEM Lucknow on May 2, 2023.
6. Dr Amrendra Singh Yadav 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.
7. Dr Amrendra Singh Yadav 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.
8. 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).
9. Dr Vinal Patel 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.
10. Dr Vinal Patel 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.





11. Dr Pinku Ranjan chaired session at Innovation in Clean Energy Technology (ICET-2023), Energy Center MANIT Bhopal, India April 8-10 2023
12. Dr Pinku Ranjan 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 May 12-13, 2023 .
13. Dr Pinku Ranjan 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 January 26-28, 2023.
14. Dr Pinku Ranjan delivered talk in 3 days FDP/Workshop Recent Development and Challenges in RF and Microwave Communication, organized by VIT Vellore, India on January 18-20, 2023.
15. Dr Pinku Ranjan 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 January 3-9, 2023.
16. Prof J 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).
17. Prof J Dhar delivered an invited talk on June 6, 2023, during the Workshop on Applications of Dynamical Systems in Health and Environment, ABV-IIITM Gwalior.
18. 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.
19. Dr. Anuraj Singh delivered an invited talk 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.
20. Dr. Anuraj Singh delivered an expert talk at 3 days online FDP on Introduction to Mathematical Biology: From Theory to Applications, Vellore Institute of Technology, Vellore during June 07-09, 2023.

### Projects Awarded

1. "Implantable Pacemaker Chip (iPACE-CHIP)", MeitY, New Delhi (PI: Prof Manisha Pattanaik, Co-PI: Dr Gaurav Kaushal & Prof G K Sharma).
2. "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).
3. "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).
4. "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.13,36,232.00 (PI: Prof P K Singh).
5. "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).
6. "Design of Meta-materials for biosensing and ICT applications", DST New Delhi (PI: Dr Pinku Ranjan).
7. "Exploring trends in science technology and innovation (STI) indicators for policy planning", DST New Delhi (PI: Dr. Vishal Vyas).

### Awards

1. Dr Mahendra K. Shukla has been recently 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.
2. Dr Santosh Singh Rathore has been recently appointed as an Associate Editor for the International Journal of System Assurance Engineering and Management.
3. Prof S N Singh, Hon'ble Director, has recently received Lifetime Achievement Award 2022" by IEEE GlobConPT 2022.
4. Prof S N Singh, Hon'ble Director, has recently received Lifetime Achiever Award 2023 by ISTE New Delhi.
5. 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.
6. 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.
7. Dr Pinku Ranjan received a High End Workshop on Recent Trends in Dielectric Resonator Antennas: Machine learning applications for medical imaging from SERB.



### Publications

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2. Sharma, V.S., Singh, A. Strong Resonance Bifurcations and State Feedback Control in a Discrete Prey-Predator Model with Harvesting Effect (2023) *Qualitative Theory of Dynamical Systems*, 22 (3).
3. Gauttam, H., Pattanaik, K.K., Bhadauria, S., Nain, G., Prakash, P.B. An efficient DNN splitting scheme for edge-AI enabled smart manufacturing (2023) *Journal of Industrial Information Integration*, 34.
4. Mangal, S., Misra, O.P., Dhar, J. Fractional-order deterministic epidemic model for the spread and control of HIV/AIDS with special reference to Mexico and India (2023) *Mathematics and Computers in Simulation*, 210, pp. 82-102.
5. Rajput, A.K., Pattanaik, M. Local bit line 8T SRAM based in-memory computing architecture for energy-efficient linear error correction codec implementation (2023) *Microelectronics Journal*, 137.
6. Rajesh, R. An introduction to grey causal modelling (GCM): applications to manufacturing, supply chains, resilience, and sustainability (2023) *Artificial Intelligence Review*, 56 (7), pp. 6267-6293.
7. Chandrakant, R., Rajesh, R. Social sustainability, corporate governance, and sustainability performances: an empirical study of the effects (2023) *Journal of Ambient Intelligence and Humanized Computing*, 14 (7), pp. 9131-9143.
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12. Suji, R.J., Bhadauria, S.S., Godfrey, W.W., Dhar, J. On using a Particle Image Velocimetry based approach for candidate nodule detection (2023) *Multimedia Tools and Applications*, 82 (15), pp. 22871-22888.
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16. Soni, S., Chouhan, S.S., Rathore, S.S. TextConvoNet: a convolutional neural network based architecture for text classification (2023) *Applied Intelligence*, 53 (11), pp. 14249-14268.
17. Purohit, L., Rathore, S.S., Kumar, S. Feature selection and clustering based web service selection using QoSs (2023) *Applied Intelligence*, 53 (11), pp. 13352-13377.
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### Books Published

1. Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technology.(NICE-DT) 2023, Springer Singapore Lecture Notes in Networks and Systems (LNNS, volume 676), ISBN: 978-981-99-1698-6, eBook ISBN978-981-99-1699-3. Editor Prof S N Singh.
2. Manoj Kumar Dash, Manash Kumar Sahu, Jishnu Bhattacharyya, Shivam Sakshi, Customer-Centricity in Organized Retailing: A Guide to the Basis of Winning Strategies, Springer Palgrave Macmillan Singapore, ISBN 978-981-19-3592-3/978-981-19-3593-0.

## STUDENTS' ACHIEVEMENTS

### Placement

The placement season for the session January-June 2023 at ABV-IIITM Gwalior saw a surge in job offers given to the graduating students from batch 2023. Almost 40 companies visited the Institute campus for hiring and gave more than 64 offers. The highest domestic CTC was 65 lakhs offered by Google India. The top recruiters were Google, Samsung, C-Dot, Nutanix, TCS, etc. The summary of offers with highest and average CTC have been given in the following table:

Courses offered	Duration	Highest CTC (In LPA)	Average CTC (In LPA)
BTech (CS)	4	65	21.42
BTech+MTech	5	65	34.31
BTech+MBA	5	50.50	17.2



### Marathon: January 26, 2023

A 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: Alumni Meet

The SAC 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.



### 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.

### 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 .





### Har Ghar Dhyam

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 having 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.

### FORTHCOMING EVENTS @ ABV-IIITM GWALIOR

S.No.	Event	Date
1.	SERB Karyashala on "Machine Learning Applications for Medical Imaging"	July 10-16, 2023
2.	SERB Karyashala on "Advanced Workshop on Deep Learning Applications in Imaging Systems"	July 17-23, 2023
3.	Workshop/Karyashala on "Recent Trends in Dielectric Resonator Antennas" under the KARYASHALA Scheme (A SERB initiative)	July 17-23, 2023
4.	High end SERB Karyashala on "Quantum Computing and Information"	July 22-28, 2023
5.	4th Convocation at ABV-IIITM Gwalior	July 13, 2023
6.	Special session on "Computational Intelligence on Social Network Analysis"	September 21-23, 2023
7.	Short Course on Unboxing Advancements in Biomedical Image Processing	October 8-11, 2023
8.	2nd International Conference on Computer Vision and Machine Intelligence (CVMI-2023)	December 10-11, 2023





## INSTITUTE IN NEWS

आंतराष्ट्रीय को बढ़ावा देने स्टार्टअप  
रन होगी, साभार साझा होंगे आइडिया

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मीट आज से, 17 को मुख्य समारोह

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25वां स्थापना दिवस मनाया

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ट्रिपल आईएम: स्थापना दिवस पर  
पहली बार शिक्षकों को मिले अवार्ड

ट्रिपल आईएम: स्थापना दिवस पर पहली बार शिक्षकों को मिले अवार्ड

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**ATIL BHARI VALPALLEE**  
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Advt. No. 02/2023 Dated: 01/04/2023

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एम्बीएटिआईएम: एम्बीए  
में पहली बार नॉन टेक्निकल  
ग्रेजुएट भी ले सकेंगे प्रवेश

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संस्थान में फुल और पार्ट टाइम पीएचडी के लिए भी प्रक्रिया जारी है। 7 मई तक इसके लिए आवेदन किए जा सकते हैं। पीएचडी इंजीनियरिंग, मैनेजमेंट सहित तीन एरिया में कराई जायेगी।

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GUNJAN - A BI-ANNUAL NEWSLETTER OF ABV-IIITM GWALIOR - ISSUE - 01/2023