



विश्वजीवनामृतं ज्ञानम्

Atal Bihari Vajpayee-
Indian Institute of Information Technology & Management, Gwalior
(An Autonomous Institute of Government of India)

Annual Report 2017-18



Vision & Mission of the Institute

The Vision :

"Global Excellence in Knowledge Economy"

The Mission :

- **Creating a learning environment with focus on research for emerging technologies and business processes for High-Tech solutions in Low-Tech environment.**
- **Integrating IT technologies and management concept in cross cultural environments.**
- **Shaping students to be Innovating, Entrepreneurial, Supporting, Assured and International.**



Chairman's Message

ABV-IIITM Gwalior is an apex institute established by the Ministry of Human Resource Development, Government of India. The Institute has a unique mandate of synergizing IT and Management in teaching, training and research.

I am happy to note the following developments:

- New undergraduate programme in Computer Science & Engineering has started.
- The curriculum is revised for all academic programmes
- Faculty is active in conducting sponsored research projects.
- Our students have successfully organized TEDx event.
- The institute has actively participated in various programmes such as "Ek Bharat -Shreshta Bharat", "Swachhata Abhiyan", "Digital Payment" etc.

The Institute is a sought-after destination for academic pursuits among meritorious students. This is a building block to develop a large pool of accomplished individuals contributing & collaborating in nation building.

The institute has made efforts to augment continuing education and outreach activities through Management Development Programmes/Faculty Development Programmes/Seminars & Workshops.

The institute infrastructure is keeping pace with growing demands of the campus community to have a vibrant and conducive ambience.

I am also happy to learn our NIRF standing. However, there is enough scope to improve our NIRF position.

The Board members, Ministry of Human Resource Development officials and distinguished professionals serving on various statutory committees of the institute have made valuable contribution to the growth and evolution of the institute.

I compliment students, faculty and staff of the institute for their contributions.

I am sure, fruitful association of all the stakeholders of the institute will lead us to evolve an educational institute engaged in the pursuit of excellence in interdisciplinary areas.

I wish the institute a grand success.

Vinay Kumar Modi

Chairman, BoG

Director's Report



Welcome to the annual report of the institute for the year 2017-18. ABV- Indian Institute of Information Technology & Management (ABV-IIITM) was established by the Ministry of Human Resource Development, Government of India with the primary objective to promote education, research and outreach activities in the cusp areas of IT and Management backed up by applied sciences. The institute became an Institute of National Importance in December 2014.

Academic Programmes

The academic programme of ABV-IIITM, Gwalior has always been modern and innovative. We have initiated new undergraduate (UG) programme, B Tech in Computer Science & Engineering. I am happy to report that the programme got good acceptance and our closing rank was 12736 for general candidates. Our academic programmes cover both IT and Management disciplines. Our IPG program, which continues to be a flagship programme and is also the most sought after and for which the entry is through the Joint Entrance Examination (JEE), our closing ranks for general candidates was 17772 for IPG (M Tech) and 22199 for IPG (MBA). This year, the bifurcation of M tech and MBA was done at the entry stage itself.

In all, we increased our intake to 148 for IPG (Includes both M Tech & MBA) and 41 for UG programme.

The Institute is proud of its post-graduate programme offering Master of Technology programs in four specializations (Advanced Networks, Information Security, Digital Communications, and VLSI) of Computer Science & Engineering. The institute also offers MBA programme. During the year 2017-18, 41 UG, 611 IPG, 145 M Tech, 62 MBA and 49 Ph D students were on roll.

During the academic session, 41 UG, 148 IPG students, 75 M Tech, 17 MBA and 11 Ph D students were admitted. In the reported period, 97 IPG (M Tech), 15 IPG (MBA), 77 (M Tech), and 7 (MBA) students passed out.

In the reported period, we have awarded 9 Ph D degrees.

Sponsored Research, Extension and Consultancy

ABV-IIITM gives high priority to research and development projects sponsored by national agencies along with academic research leading to doctoral degree. The research funding received from DeITy and DST, SERB has helped in supporting and enhancing academic research and quality of teaching. This year, there were 7 new projects sanctioned by various funding agencies.

S.No.	PI	Title	Funding Agency
1	Dr Gyan Prakash	Drivers of Technology Competence in R&D - Exploratory Studies & Analysis	DRDO-NPOL, Kochi
2	Dr Anuraj Singh	Complexity and its Control in Nonlinear Dynamical Systems	SERB, New Delhi
3	Dr Pankaj Srivastava	Theoretical Investigations of Hazardous Gas Adsorption on Antimonene Nanoribbons	SERB, New Delhi
4	Dr Naval Bajpai	Elder Abuse : A Comparative Study in Delhi , Mathura and Gwalior	ICSSR, New Delhi
5	Dr K K Pattanaik	Wireless Sensor Network Distributed Detection Mechanisma for Structural Health Monitoring in Civil Structures	DST and MSTR (Srilanka)
6	Dr Prasenjit Chanak	Development of a Smart Monitoring System for Health and Oestrous of Dairy Cows in Remote Location	DST, New Delhi

7	Dr Subhra Dhar (Under Women Scientist scheme)	Design and Performance Evaluation of 2D Materials in MOS Devices for Low Power VLSI Application	DST
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I am happy to report that the following consultancy project has been awarded to Prof Sahu as Principal Consultant.

1	Establishing a Business Incubator for promoting the development and growth of SMEs at Malawi	Ministry of External Affairs (MEA), New Delhi
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We improved on our credentials in research as evidenced by way of publications in Scopus (more than 1100+). We are the only Centrally Funded IIIT to be listed in SCIMAGO (with 650th rank globally), which is a science evaluation resource to assess worldwide universities and research-focused institution.

Conferences and Workshops

As in the past, the institute has hosted conferences and workshops as a part of our mandate. The Ninth HRM summit was a success (11-12.11.2017) and was able to attract several speakers from professional world. This event was coordinated by Dr. Manoj Patwardhan and Dr Manoj Dash.

The theme of the summit this year was "Evolving Techno Managers for New India".

We also hosted the first joint inter-IIIT technical conference on ICT. This was coordinated by Prof Aditya Trivedi and drew huge response. Prof Chaturvedi, Director, IIT Roorkee, Prof Majhi, Director IIITDM Kanchipuram and Prof P K Jain, Director, IIITDM Jabalpur graced the event along with various other dignitaries.

S.No.	Date	Title	Coordinator
1	10.08. 2017	"The Future of Sustainable Development in the Post Paris World: The Role of Community Based Organizations"	Dr Pradeep Swarnkar
2	21-22.08. 2017	2nd IT Entrepreneurship Summit	Dr Anurag Srivastava
3	3-5. 11. 2017	Conference on Information and Communication Technology - CICT 2017	Prof Aditya Trivedi
4	11-12. 11. 2017	9th National HR Summit	Dr Manoj Patwardhan & Dr Manoj Kumar Dash

Continuing education continues to be an important outreach activity of the institute. The Institute has conducted 4 short term courses serving both the academic fraternity and industry at large. These are given below:

S.No.	Date	Title	Coordinator
1	8-9.10. 2017	Digital Marketing	Dr Manoj Kumar Dash
2	17-22.12. 2017	Academic Writing and Publishing	Dr Manoj Kumar Dash
3	15-21.02. 2018	Statistics and Research Methodology: An Exploration with a Special Focus on Multivariate Statistical Techniques	Dr Naval Bajpai, Prof Anupam Shukla, Dr Manoj Kumar Dash
4	26-30.03. 2018	Machine Learning & Applications	Dr P K Singh



Student Activities

Along with academic excellence, ABV-IITM, Gwalior promotes extra-curricular activities by students to ensure all round development of personality. For the first time, TEDx event was organized by active and vibrant student community of the institute.

The Institute has created superior infrastructure for a variety of co-curricular and extra-curricular activities such as sports, student publications, as well as cultural and welfare programmes. The Student Activity Council (SAC) plan, organize and manage various student activities throughout the year.

Urja (inter-hostel sport festival) attracted huge participation from students of the institute.

The following student events were organized during the reported period.

S.No.	Title	Date	Coordinator
1	TEDx at ABV-IITMG	12.08. 2017	Prof R Sahu
2	Parichay	26-27.09. 2017	Dr Anurag Srivasatav
3	Urja-2017: Inter-hostel Sport Festival	10-13.11. 2017	Dr Anurag Srivastava
4	ACM ICPC Contest-2017	20-21.12. 2017	Dr J Dhar & Prof Anupam Shukla
5	Mind Over Matter (MOM) 2018	19-20.01. 2017	Dr Pankaj Srivastava
6	Twaran 2018	8-11.03. 2018	Dr Anurag Srivastava

AASF (Abhigyan Abhikaushalam Students Forum) has become an icon of peer-to-peer learning forum and has attracted wide student participation. About 55 activities were e-organized during the reported period under the aegis of AASF. Abhishar, annual magazine of AASF, continued to attract quality articles. Abhishar 7.0 was released on 20th Nov 2017.

Entrepreneurship, Innovation and Start Up

Technology Innovation & Incubation Centre (TIIC) is established with support from DeitY under TIDE scheme. The TIIC continues to support and encourage start-ups and entrepreneurs. The start-up Mech-Mocha nurtured by TIIC has earned professional recognition. TIIC continues to organize internships for budding entrepreneurs. Under the co-ordinatorship of Dr Anurag Srivasatava, TIIC is trying to establish as a vibrant forum for entrepreneurs.

Our institute has got funding for establishing Start-up centre. Prof Sahu is the coordinator for this centre. An area has been marked in Pocket B of the campus for this centre. Under this centre, 3 units are being supported- Greenovators Motor Works, Shastra LLP continued to make significant progress. The startup supported by the institute 4MirrorTEch got kudos for deploying smart dustbins at Indore Airport.

Training & Placement

A total of 22 companies have visited the campus for placement, resulting in attractive placement for students this year. The quality of placement has improved with highest package going up to about Rs 33 Lakhs and new companies coming to the campus.

Various modules for personality development were also given to students. An alumni meeting was organized on 13 Aug 2017. Internship opportunities were leveraged by the students in various organizations during the summer period.

Infrastructure

The Institute has made consistent efforts in building quality infrastructure to cater to the needs of its envisaged plans and for better amenities. The infrastructure consists of administrative block, academic blocks, residential area both

for faculty/staff and students. A new lecture hall complex has been made operational. The institute took up massive construction work with the target of creating good quality infrastructure for its faculty and students. An auditorium, faculty housing complex is under construction and will be handed over soon by CPWD.

Library

I am happy to report that since July 2016; the library has shifted to a beautiful building of Learning Resource Center (LRC). 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.

In addition to approximately 29,000+ text books, reference books, and reading material in various areas of Information Technology and Management, the library subscribes to a vast array of e-resources such as ACM Digital Library, IEEE library, Springer Link, LNCS, EBSCO, Indiastat, J-STOR, Emerald besides being subscriber to Science Direct and Scopus. A variety of training and sensitization progarmmes were arranged under the aegis of LRC by Dr P K Singh.

Other Activities

a) As in the past, instate continued with its tradition of inviting experts as guest of honors for celebrating national days as follows:

National Day	Guests-of-Honour
15.08. 2017	Prof N M Agrawal, Professor at IIM Bangalore
	Mr Reapan Tikoo, CEO of Powai Labs, IIT Bombay
	Prof R K Guha, Alumnus of IIT Kanpur
26.01. 2018	Prof L K Das, IIT Delhi
	Dr Jaijit Bhattacharya, KPMG
	Dr Amrit Puzari, Dean (Student, welfare), NIT Nagaland
	Mr Anil Tyagi, Vice President (Manufacturing), LG Electronics

- b) "Yeh India ka Time Hai" was organized on 02.09.2017. There was an interesting panel discussion organized by our students on role of our institute to make new India.
- c) The "Hindi Pakhwada" was celebrated during 14- 29.09. 2017. During this period many events were organized like-quiz, debate, handwriting, poster painting competition, slogan writing, essay, poem writing, etc.
- d) International Yoga Day was organized on 21.06. 2017 with much preparation.
- e) The institute has also actively participated in Swachh Bharat Abhiyan, and Swachata Pakhwara was organized during 16-31.05. 2017 and 1-15.09. 2017.
- f) Josh-17, a summer camp for children was organized by Dr Anurag Srivastava during 15.05.2017 to 20.06. 2017.
- g) Institute co-organized Gwalior Chapter convention of Quality Circle Forum of India (QCFI) during 9-10.09. 2017 The theme was "Quality Concepts Creating Value to Society". More than 80 teams presented their quality circle endeavors. ABV-IITM teams participated in this convention and got silver award.
- h) 14th Udbhav Utsav 2017- An International Dance Carnival was supported by the institute from 21-25.10. 2017. Teams of various countries like Kyrgyzstan, Sri Lanka, Slovakia etc. participated in this event. The finals were hosted at our campus on 25.10.2016 in which Ambassador of Kyrgyzstan was the chief guest.



- i) Various activities were organized under "Ek Bharat-Shrestha Bharat". These were coordinated by Dr Ritu Tiwari.
- j) The institute boasts of a green campus. This year also we continued to have a vigorous tree plantation drive. About 700+ trees were planted on the campus. A unique flower show was arranged during 24th Feb- March 2018 to show case 69 varieties of flowers on the campus.

Awards & Recognition

I am happy to report that the institute has been bestowed with the following awards/professional recognition:

The contribution of our graduates to the society remains our strength. The most pleasing experience is that we are being recognized by both International and National agencies for our contribution.

International Recognition

The institute has got 163th Global Rank and 1st Rank in India awarded by Universities of Indonesia (UI) in UI Green Metric ranking. UI Green Metric is the first university ranking that is based on high commitment in environment preservation. UI creates Green Metric in order to stimulate universities in the world to compete on environmental awareness, UI Green Metric ranking is based on three basic philosophies that are consist of Environment, Economic, and Equity (3'Es). The assessment indicators are campus greenness statistic (15%), solid waste management (18%), energy and climate change (21%), water usage (10%), transportation (18%) and education (18%).

National Recognition

The institute has been ranked and rated by several agencies. The following is an indicative list of such recognition earned in the reported period.

S.No.	Award/Recognition	Year
1	NIRF Ranked in 51-75 Band in "Management" and 101-150 Band in "Engineering"	2018
2	21st Rank in India Today- Best Engineering colleges	2017
3	34th Rank in Top Business Schools by Careers 360	2018
4	Rated AAAA in Engineering Colleges by Careers 360	2017
5	Rated AAA+ in Universities Category by Careers 360	2017

Acknowledgement

I personally acknowledge the kind support and encouragement; I have received from the Chairman, Mr V K Modi. I would also like to record my special thanks to the Members of the Board of Governors.

I would also like to thank MHRD and its officials for full-fledged support and encouragement to the institute.

The entire gamut of activities of the institute takes place with the whole-hearted participation and support of all stakeholders-our faculty, students and staff; funding agencies; professionals and experts who assist us in various capacities; and our alumni. In particular, I would like to thank office-bearers such as Chief warden, wardens, advisors and faculty-in-charge of various units for their valuable contributions.

I also extend my appreciation to the students for their contributions towards enriching the vibrancy of the campus life.

The team under the guidance of Dr N Bajpai deserves appreciation for bringing out this annual report.

S.G. Deshmukh

Director

About ABV-IIITM Gwalior

Established by the Ministry of Human Resource Development, Government of India in 1997 to nurture information technology (IT) and management education in the country, ABV-IIITM, Gwalior, is an autonomous Institute of National Importance.

It strives to become a brand name as a world class Institution. The Institute has a vision to achieve this goal through research and teaching so as to shape students into innovative, enterprising and confident individuals, who could take leadership roles in future. Both information technology tools and management concepts have been integrated to create a synergetic approach for rendering techno economic solutions. The Institute awards degrees at Master's and Doctorate levels. The Institute is built on a 150-acre campus and has competent faculty and state-of-the-art labs. The campus is self-contained with all the basic amenities.

In pursuance of vision of 'global excellence in knowledge economy', the institute's missions are:

- Teaching and research with focus on emerging technologies, business process and high-tech solutions in low tech environment;
- Integrating technologies and management in cross-culture environment;
- Shaping students to be innovative, entrepreneurial, supportive, assured and international.

The Institute believes in collaborative and entrepreneurial environment, which facilitates people to come together in multiple ways.

Organization of the Institute

ABV-Indian Institute of Information Technology & Management (ABV-IIITM), Gwalior is an apex institute set by Ministry of HRD, Government of India, established for education, research and training in the cusp areas of IT and Management. The institute is recognized as a deemed to be university under section 3 of the UGC Act. 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.

For achieving these 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 governance structure constitutes of Board of Governors 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 and these include

issues such as tuition policy, the institute budget & finances and campus buildings. The Academic Senate is responsible for all academic issues at the institute.

Managing Institute

The Institute is managed through a Board of Governors (BOG) headed by a Chairman. The BOG provides directions and is assisted by various committees for specific issues of finance, building and works, research etc. Academic senate, chaired by Director of the Institute, decides academic policy of the Institute with respect to curriculum, courses and examination results etc. Director is responsible for running day to day affairs of the Institute, strengthening the core faculty, ensuring smooth running of classes, providing basic facilities for faculty, staff and students etc. He is Chairman of Building & Works Committee (B&WC) as well as Academic Senate.

All efforts are being done made to create academic friendly atmosphere in the institute. Director in particular takes care to provide all the necessary facilities including excellent infrastructure for sports and other recreational activities.

Meetings of the Various Committees

Several meetings have been conducted by these committees during the year 2017-18, details of these meetings are as follows:

Meetings of Board of Governors

- 39th Meeting 14.09.2017
- 40th Meeting 26.02.2018

Meetings of Finance Committee

- 33rd Meeting 14.09.2017
- 34th Meeting 26.02.2018

Meetings of Senate

- 22nd Meeting 18.06.2017
- 23rd Meeting 04.02.2018

Meetings of Building Works Committee (BWC)

- 32nd Meeting 9.10.2017
- 33rd Meeting 14.03.2018

Board of Governors

The present composition of the Board of Governors is as follows :

S.No.	Name	Designation
1	Shri Vinay Kumar Modi, Chairman, BoG ABV-IIITM Gwalior	Chairman
2	Prof S G Deshmukh Director, ABV-IIITM Gwalior	Member
3	Mr Prashant Agrawal Director (IIIT), Room No. 210, "C" Wing, Ministry of Human Resource Development, Shastri Bhavan, New Delhi - 110 015	Member
4	Dr B K Murthy Scientist "G" and Group Coordinator HRD Division), Ministry of Electronics and Information Technology Room No. 4070, Electronics Niketan, 6, CGO Complex, New Delhi - 110 003	Member
5	Shri Suleman Secretary, Department of Information Technology, M P Govt., Ballabh Bhawan, Bhopal.	Member
6	Prof Devang V Khakhar Director, Indian Institute of Technology, Bombay. Powai, Mumbai 400 076	Member
7	Prof Saibal Chattopadhyay Director, Indian Institute of Management Calcutta Diamond Harbour 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 Sr. Director - Strategy, Microsoft Research India, 9, Lavelle Road, Bangalore-560 001	Member
10	Prof Rajendra Sahu Professor, ABV-IIITM, Gwalior	Member

11	Prof Shashikala Tapaswi Professor, ABV-IIITM, Gwalior	Member
12	Mr Pankaj Gupta Registrar Incharge ABV-IIITM, Gwalior	Secretary

Academic Senate (2017-18): Members and Invitees

S.No.	Name
1.	Prof S G Deshmukh Director, ABV-IIITM Gwalior
2.	Prof Karmeshu JNU, New Delhi
3.	Prof Kripa Shanker Ex Professor, Indian Institute of Technology, Kanpur
4.	Prof G C Nandi IIIT, Allahabad
5.	Shri Kuntal Dey IBM
6.	Dr Hemant Anand Ex Professor, IIHMR Jaipur
7.	Prof Satish Chand Professor JNU, New Delhi
8.	Prof G K Sharma ABV-IIITM Gwalior
9.	Prof S Tapaswi ABV-IIITM Gwalior
10.	Prof Anupam Shukla ABV-IIITM Gwalior
11.	Prof Rajendra Sahu ABV-IIITM Gwalior
12.	Prof Aditya Trivedi ABV-IIITM Gwalior

S.No.	Name
13.	Dr Mahua Bhattacharya Associate Professor, ABV-IIITM, Gwalior
14.	Dr Manisha Pattanaik Associate Professor, ABV-IIITM, Gwalior
15.	Dr P K Singh Associate Professor, ABV-IIITM, Gwalior
16.	Dr Pankaj Srivastava Associate Professor, ABV-IIITM, Gwalior
17.	Dr Gaurav Agrawal Associate Professor, ABV-IIITM, Gwalior
18.	Dr Manoj Patwardhan Associate Professor, ABV-IIITM, Gwalior
19.	Dr Anurag Srivastava Associate Professor, ABV-IIITM, Gwalior
20.	Dr Joydip Dhar Associate Professor, ABV-IIITM, Gwalior
21.	Dr Ritu Tiwari Associate Professor, ABV-IIITM, Gwalior

S.No.	Name
22.	Dr Gyan Prakash Associate Professor, ABV-IIITM, Gwalior
23.	Dr Naval Bajpai Associate Professor, ABV-IIITM, Gwalior
24.	Dr Ajay Kumar Associate Professor, ABV-IIITM, Gwalior
25.	Dr Vishal Vyas Assistant Professor, ABV-IIITM, Gwalior
26.	Dr Manoj Dash Assistant Professor, ABV-IIITM, Gwalior
27.	Dr Vinay Singh Assistant Professor, ABV-IIITM, Gwalior
28.	Dr W W Godfrey Assistant Professor, ABV-IIITM, Gwalior

S.No.	Name
29.	Dr Anuraj Singh Assistant Professor, ABV-IIITM, Gwalior
30.	Dr Prasenjit Chanak Assistant Professor, ABV-IIITM, Gwalior
31.	Dr Saumya Bhadauria Assistant Professor, ABV-IIITM, Gwalior
32.	Dr Neetesh Kumar Assistant Professor, ABV-IIITM, Gwalior
33.	Dr Yash Daultani Assistant Professor, ABV-IIITM, Gwalior
34.	Dr Gaurav Kaushal Assistant Professor, ABV-IIITM, Gwalior
35.	Mr Pankaj Gupta Registrar Incharge, ABV-IIITM, Gwalior

Recognition/ Awards and Laurels of the Institute

Institute is continuously acquiring recognition, awards and laurels in various fields highlighted in the table below :

S.No.	Award/Recognition	Year
1	NIRF Ranked in 51-75 Band in "Management" and 101-150 Band in "Engineering"	2018
2	21st Rank in India Today- Best Engineering colleges	2017
3	UI Green Metric 164th Global Rank (awarded by Universitas Indonesia) and 1st Rank in India in Green University	2017
4	34th Rank in Top Business Schools by Careers 360	2018
5	Rated AAAA in Engineering colleges by Careers 360	2017
6	Rated AAA+ in Universities category by Careers 360	2017

Institute Infrastructure

Institute has a huge infrastructure spreading over 150 acres with the existence of many hostels and buildings. Some relevant information is briefly detailed in the following sub topics :

Total Area	150 (Acre) / 2, 35, 445 (Sqm)
Area Constructed	2,1000 (Sqm)

Assets/Building Resources

Boys hostels	3
Girls Hostel	1
Recreation	1
Sports Complex	1
Open Air Theatre	1
Seminar Hall	1

Work in Progress during 2017-18

The following buildings are under progress

S.No.	Award/Recognition	Plinth Area (in Sqm)
1	Convention centre	5,595
2	Faculty housing	5,402
3	Start-up centre/Guest house	2,388
4	Utility complex (shops/bank/school etc.)	3,315
	Total	16,700

Barrier Free Environment

The institute is sensitive to the needs of Persons with disabilities (PWD). As a part of our commitment, institute has attempted to make the campus as a barrier-free environment. However, there is a scope for improvement everytime. Table below exhibits details of provisions for barrier free environment for PWD :

Details of provisions for barrier free environment for PWD

S.No.	Name of Building	Ramp	Rail	Toilet
1.	Admin. Building	Yes	Yes	Yes
2.	Deptl. Block A	Yes	Yes	Yes
3.	Block-B (LT.-I)	Yes	Yes	Yes
4.	Block -B (LT II)	Yes	Yes	Yes
5.	Deptl. Block-C	Yes	Yes	Yes
6.	Deptl. Block-D	Yes	Yes	Yes
7.	Deptl. Block -E	Yes	Yes	Yes
8.	Deptl Block-5	Yes	Yes	Yes
9.	Boys Hostel-1	Yes	Yes	Yes
10.	Boys Hostel-2	Yes	Yes	Yes
11.	Boys Hostel-3	Yes	Yes	Yes
12.	Girls Hostel	Yes	Yes	Yes
13.	Cafeteria	Yes	Yes	Yes
14.	Sports Complex	Yes	Yes	Yes
15.	Open Air Theatre	Not needed	Yes	Yes
16.	Inrenational Visitors' Hostel	Yes	Yes	Yes
17.	MDP Centre	Yes	Yes	Yes
18.	Seminar Hall	Yes (From outside)	Yes	No

Other Available Facilities

In addition to above mentioned facilities, institute provide other facilities also detailed as below :

1. Two Golf Carts
2. Wheel Chairs in Hostels and in Dispensary

Ramps are available at

- i) LRC
- ii) ATM
- iii) Entry to Seminar hall
- iv) Dispensary

Instituite also provides lifts in LRC and in new academic block.

Network Infrastructure

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

1. Procurement and replacement of existing extreme core switch with new Cisco core switch;
2. Addition of 20 Mbps line to the existing 1Gbps line;
3. Network Cabling and testing of the F-block;
4. Procurement and Deployment of Cisco distribution switches at the new blocks (F, G and LT-2);
5. Wi-Fi enabled the reading rooms of the Learning Resource Centre; and
6. Procurement of Dell Server Class Machine for Firewall Configuration

Academic Programs

An excellent academic environment prevails in this institute that encourages learning at every level. A more interactive and analytical teaching method is pursued instead of conventional processes. At 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 forms of latest generation equipments and an all-facility campus.

Academic programmes are not compartmentalised at ABV-IIITM. Here, students pursuing M Tech are offered lessons in management; while those studying MBA are provided adequate teachings in use and applications of information technology. Student assessment is a continuous process that involves home assignments, classroom tests, laboratory tasks, presentations, projects, and quizzes. The principal idea behind such an approach is to make students self-reliant and confident to face challenging situations.

B Tech (CSE)

This is a 4-year undergraduate programme. This program has been initiated since July 2017. The first batch was admitted with an intake of 40 students. The closing rank for this programme (for general candidates) was 12736.

Integrated Post Graduate (IPG)

This 5-year IPG was initiated to offer a synchronized curriculum covering facets of IT and Management. Keeping in line with market requirements, it is essential to groom professionals who are adapt in handling, demanding, management or IT issues. This course has been particularly designed to address situations that demand a comprehensive solution synchronizing management and IT. Candidates after successful completion of this study 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 leading to: B.Tech + M.Tech in IT (Information Technology); or B.Tech (IT) + MBA. 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.

IPG Programme Admissions

The admission to this programme is through CSAB (Central Seat Allocation Board) counselling. The closing ranks of AIEEE for general candidates are shown in the table below:

Year	Closing Rank for General Candidates
2015	IPG - 18025
2016	IPG - 17860
2017	IMG - 22199
	IMT - 17772
	BCS - 12736

Post Graduate - M Tech (Master in Technology)

This is a 4-semester program ideally completed in two years leading to M Tech degree in Computer Science and Engineering. The objective of this post graduate 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 present generation in IT industry. Under present circumstances, it is essential to have technologies that are sharp and purposeful. The M Tech program is aimed at developing experts with foci on technical capabilities and managerial abilities.

The institute offers 4-semester M Tech programs in areas of Digital Communication, Advance Networks. Very Large Scale Integration and Information Security. The first two semesters are dedicated for course work while the remaining two semesters are meant for assignments.

M Tech Admissions

For admission, institute follows the same procedure as has been adopted at IITs. The admissions are based on GATE score plus personal interview before the expert committee.

Post Graduate - MBA (Master of Business Administration)

This is a 4-semester program leading to MBA degree. The course has been designed keeping in mind the requirements of present day business trends and industrial outlook. The objective of program is to create innovative professionals for functional areas 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 - Ph D

Each year, ABV-IITM awards an impressive range of doctoral degrees-the most advanced and prestigious degrees that universities confer. The doctoral program gives students unparalleled expertise in related area of research. Candidates work under ABV-IITM's distinguished faculty, learning side by side with varied and accomplished scholars. The institute offers doctoral programs in areas of IT and management. Though, there are no time restrictions for doctoral programs, they are completed within 3-5 years. Candidates pursuing Ph D programs are entitled to stipends depending on norms set by MHRD (Ministry of Human Resources Development) and subject to fulfilment of academic prerequisites as set by the institute from time to time.

Students for this program are selected through written test, presentation, and personal interview conducted by the institute based on best practices followed for admissions. The admission process is transparent, and objective.

Ph D Admissions

The admission is based on a written test and presentation by the candidate about potential area of research and personal interview. An expert committee involving faculty from the institute and faculty drawn from IITs/IIMs is constituted for the selection process. The syllabus for the written test is advertised and put on the web. Normally, admissions are done twice a year (as in IITs). The following is the relevant statistics :

Semester	Applications Received	Number of Candidates Shortlisted	Number of Candidates Selected
July 2015	121	93	22
July 2016	137	71	15
July 2017	124	76	12

Award of Doctoral Degree (during the year 2017-18)

S.No.	Name of Ph.D Scholar	Supervisor(s)	Thesis Title	Viva-Voce held on
1	Mr Jay Prakash	Dr P K Singh	Data Clustering using Nature-inspired Algorithms: A Single and Multi-objective Perspective	22.04.2017
2	Mr B Athiyaman	Prof Rajendra Sahu	Development and Validation of Structured Model for Rainfall Prediction: A Case of Indian Sub-Continent	25.04.2017
3	Mr Manish Kashyap	Dr Mahua Bhattacharya	Medical Image Registration by Locating Reliable Landmarks and Constructing Robust Region Descriptors	15.07.2017
4	Mr Bharat Garg	Prof G K Sharma	Energy Efficient Accuracy Aware VLSI Architectures for Image Processing Applications using Approximate Computing	01.9.2017
5	Ms Nisha Chaurasia	Prof S Tapaswi and Dr Joydip Dhar	Issues in Energy Aware Server Consolidation Schemes in Cloud Computing	27.11.2017
6	Ms Sadhana Mishra	Prof Aditya Trivedi	Performance Study of Cooperative Communication Techniques for Cognitive Radio Networks	08.12.2017
7	Mr Vikas Mahor	Dr Manisha Pattanaik	Variation Tolerant Robust Domino Circuits for FinFET Processors	18.12.2017
8	Mr N Naphtalin Prabu	Dr Pradip Swarnkar	Anti-Nuclear Energy Movement in India: An Exploratory Study of Establishment of Civil Nuclear Power in Koodankulam India	18.12.2017
9	Mr Mukesh Kumar Mishra	Prof Aditya Trivedi and Dr K K Pattanaik	Performance Study of Spectral and Energy Efficient Heterogeneous Cellular Networks	27.03.2018

Admissions 2017-18 / Student Strength

Year	Course	Duration	General		OBC		SC		ST		PH		Total
			Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
2017	IPG IMT	5 Years	41	4	23	1	14	1	5	2	1	1	93
2017	IPG IMT		19	7	13	2	8	2	4	0	0	0	55
2017	M Tech	2 Years	28	12	11	7	6	4	0	1	0	0	69
2017	MBA	2 Years	10	5	2	0	0	0	0	0	0	0	17
2017	Ph D	-	4	4	2	0	2	0	0	0	0	0	12

Students Admitted in 2017-18	
Ph D	11
M Tech	69
MBA	17
IPG	148
B Tech (CSE)	41
Total	286

Total Students in 2017-18	
PhD	49
M Tech	145
MBA	62
IPG	611
B Tech (CSE)	41
Total	908

Scholarship to Students (2017-2018)

The Institute follows the guideline issued by MHRD, GOI for monthly payment of financial assistanceship to the students enrolled in Post Graduate and PhD programmes as Fellowship/Assistanceship.

Duration : Masters level : Rs. 12400 p.m. for 2 Years,

Ph D level : Rs. 25000 p.m. for first 2 Years & Rs. 28000 p.m. for remaining 3 Years

Scholarship disbursed to the following students :

S.No.	Programme	Number of students getting assistantship
1	IPG	68
2	M Tech (2016-17)	67
3	M Tech (2017-18)	68
4	Ph D	49

In addition, tables below provide information pertaining to merit-cum-means scholarship disbursed during the year 2017-18 and details of state scholarship for the period 2017-18:

Merit-cum-Means Scholarship Disbursed during the Year 2017-18

S.No.	Name of Students (IPG-Batch)	Student Roll Number
	B Tech (CSE)	
1.	Amal Shaji	2017BCS-010
2.	Akansha Tiwari	2017BCS-008
	IMT - 5 Years	
1	Mariyala Saikalyan	2017IMT-052
2	Srijan Kankane	2017IMT-081
3.	Priyansh Gaharana	2017IMT-069
4.	Ojaswa Sharma	2017IMT-102
5.	Suggula Jagadeesh	2017IMT-082
6.	Karri Srinivasa Rao	2017IMT-046
	IMG - 5 Years	
1	Kushagra Garg	2017IMG-070
2	Shubham Bhawsar	2017IMG-049
3	Abhishek Singh	2017IMG-063
4	Abhishek Chaurasia	2017IMG-002

Details of State Scholarship for the Period 2017-18

S. No.	Name of Student	Roll Number	Scholarship	Amount (Rs)
1	Anni Gupta	2013IPG-22	Bihar State Government	8800
2	Abhay Chaturvedi	2017BCS-003	M P State Government MMMVY	86900
3	Abhishek Pandey	2017IMG-004	M P State Government MMMVY	53400
4	Arihant Jain	2017IMT-096	M P State Government MMMVY	75400
5	Ashish Gawande	2017IMG-014	M P State Government MMMVY	75400
6	Ketan Gupta	2017IMT-101	M P State Government MMMVY	75400
7	Mohit Agrawal	2017IMG-032	M P State Government MMMVY	63400
8	Yashwant Sadh	2017IMG-080	M P State Government MMMVY	75400
9	Sheshan Saniwal	2014IPG-80	Bihar State Government	19020
			Total	514100



Training & Placement

ABV-IITM, Gwalior focuses on training and placement of students for making them suitable for the changing job requirement. Following section details the placement statistics of the institute.

Placement Statistics

Campus placements for the students of 2017 - 18 batch commenced from August 2017. Students who had taken summer internships did commendable jobs during the internship and were offered pre-placement offers (PPO). A total 07 students from IPG-MTech received PPOs. During the session 2017-18, many organizations have shown their interest for final placements and a total 36 companies visited the institute for placements of MTech, and MBA students. Out of these 36 companies, 22 companies visited the institute for hiring the MTech students. A total of 134 students appeared for campus placements process and 120 final placements offers were being received by 77 students. The highest offered package was 33.00 LPA by M/s Microsoft. Eighteen students opted for higher studies and 02 students opted to set up their own startups. Some PG- MTech students did not participate in placement process as they were keen to make their careers in the field of academics or some were interested in PSUs/Govt. jobs.

For MBA, total 14 companies visited the institute; out of which 03 companies were common for MTech and MBA batch. In management placements process, total 57 students appeared in the campus placements; out of which 43 students received final placement offeres. Three (03) students have decided to opt for higher studies and 04 students started their startups. The highest offered package was Rs. 7.8 LPA by M/s Axtria. Remaining students have opted for either higher studies or PSU/Govt. jobs.

The names of the companies visited for MTech (IPG+PG) batch is presented in the table below :

S. No.	Date of Visit	Name of Company
1	01.08.2017	Direct-I
2	9-10.08.2017	Carwale
3	16-17.08.2017	Smartprix
4	18-19.08.2017	Amazon
5	21-30.8.2017	Smartcube
6	22.08.2017	Paytm
7	31.08.2017	Sokrati
8	3-8.9.2017	Axtria
9	4-5.9.2017	Infoedge
10	19-20.09.2017	Infosys
11	25.09.2017	HCL

S. No.	Date of Visit	Name of Company
12	09.10.2017	Vassar Labs
13	25-27 .10.2017	IBM
14	01-03.11.2017	Go-Jek
15	06-08.11.2017	TCS
16	08.11.2017	Dell R & D
17	03.01.18	BNY Mellon
18	08.02.18	Droice Labs
19	12.02.18	Intellicus Tech Pvt Ltd
20	26.02.18	Tejas Networks
21	04.05.18	EmployWise
22	18.05.18	1mg

The names of the companies visited for MBA (IPG + PG) batch is presented in the table below:

S. No.	Date of Visit	Name of Company
1	21-30.8.2017	Smartcube
2	31.08.2017	Sokrati
3	3-8.9.2017	Axtria
4	18.9.2017	Nagarro
5	23.10.2017	Jaro Education
6	14.11.17	HDFC Bank
7	14.12.17	HDFC Mutual Funds
8	09.01.18	TCS
9	12.03.18	TCS (HR)
10	17.04.18	Asahi Glass
11	26-30.05.18	Impetus
12	27.04.18	Mancer Consulting
13	08.05.18	99 Acres
14	08.05.18	Growisto

Few students were able to get more than one offer for placement. Table below presents details of these students with other details of placement in year 2016-17 and 2017-18:

S.No.	Course	Total No. of Students		Total Eligible Students		Eligible Students Placed		Placement (%) of Eligible Students	
		2016-17	2017-18	2016-17	2017-18	2016-17	2017-18	2016-17	2017-18
1	IPG M Tech	97	88	86	82	68 (20*)	61*	79.1	74.4
2	PG M Tech	85	74	47	52	15	13	31.91	25
3	IPG MBA	23	16	15	15	6	12	40	80
4	IPG MBA	7	44	7	42	5	31	71.4	73.8

Internships

Institute also facilitates opportunity to students to have an industrial exposure in terms of providing internship in different organizations. Table below presents information for such internship :

S.No.	Name of Student	Roll No	Stream	Name of Organisation for Internship
1	Abhishek Anjana	2014IPG-001	IPG - MTech	Inforida Technologies
2	Abhishek Singh	2014IPG-002	IPG - MTech	Leap & Scale Growth Partners
3	Adarsh Trivedi	2014IPG-003	IPG - MTech	Innoplexus
4	Aditi Agarwal	2014IPG-004	IPG - MTech	Xplorazzi Adventures Private Limited
5	Akanksha Goel	2014IPG-005	IPG - MTech	SAS Institute Inc.
6	Akash Soni	2014IPG-006	IPG - MTech	Youth Empowerment Foundation
7	Akshit Agarwal	2014IPG-008	IPG - MTech	EBSAVVY INFOTECH PVT LTD.
8	Alok Singh	2014IPG-009	IPG - MTech	Innoplexus
9	Amar Kumar	2014IPG-010	IPG - MTech	Kanishkait. Pvt. Ltd
10	Amar Prakash	2014IPG-011	IPG - MTech	Quezx (quetzal privated limited)
11	Anant Upadhyay	2014IPG-013	IPG - MTech	BrainPlay Learning Solution
12	Aniket Gupta	2014IPG-014	IPG - MTech	BNY Mellon Technology
13	Anjali	2014IPG-015	IPG - MTech	Maxtron Innovations
14	Ankur Singhal	2014IPG-016	IPG - MTech	Idealoom Ventures Private Limited
15	Anshul Jain	2014IPG-017	IPG - MTech	Xenon Automotive India Private Limited
16	Anurag Sharma	2014IPG-019	IPG - MTech	Analytic Edge
17	Archit Joshi	2014IPG-021	IPG - MTech	Go-Jek Tech
18	Arpit Yadav	2014IPG-022	IPG - MTech	Myntra
19	Ashish Chauhan	2014IPG-023	IPG - MTech	Inforida
20	Ashish Tiwari	2014IPG-024	IPG - MTech	Myntra
21	Ashutosh Dwivedi	2014IPG-025	IPG - MTech	Repup.co
22	Chahes Chopra	2014IPG-031	IPG - MTech	BNY MELLON
23	Nikitha Chilivery	2014IPG-033	IPG - MTech	Spatez technology
24	D Sanjana Reddy	2014IPG-034	IPG - MTech	Kriest technologies
25	Deepak Kumar	2014IPG-035	IPG - MTech	CANGRA TALENTS Pvt Ltd
26	Divanshu khandelwal	2014IPG-037	IPG - MTech	Tabmentor
27	Divya Kumari	2014IPG-038	IPG - MTech	NoBroker.com
28	Gaurav Sharma	2014IPG-039	IPG - MTech	CltyTeens, Kota
29	G Prabhu Teja	2014IPG-040	IPG - MTech	Cryptx
30	Kasulanati Sai Pramod	2014IPG-045	IPG - MTech	KHAALIJEB
31	Khushboo kumari	2014IPG-046	IPG - MTech	City Connections Technologies Pvt Ltd.
32	Kriti Singhal	2014IPG-050	IPG - MTech	Innoplexus

33	Lekhni Agarwal	2014IPG-051	IPG - MTech	Redcarpet
34	Madhavendra Singh	2014IPG-053	IPG - MTech	Inforida Technologies
35	Mayank Agarwal	2014IPG-055	IPG - MTech	Knudge.me
36	Mona	2014IPG-056	IPG - MTech	ZumoSun International Research & Consultancy Pvt. Ltd.
37	Neha Singh	2014IPG-059	IPG - MTech	Burosys Furniture Pvt. Ltd.
38	Poomdla Sai Prasada Rao	2014IPG-060	IPG - MTech	AIMonk
39	Sai Prasad	2014IPG-060	IPG - MTech	AIMONK
40	Prajval Gupta	2014IPG-061	IPG - MTech	Busigence Technologies LLC
41	Prakhar Dev Gupta	2014IPG-062	IPG - MTech	Toppr
42	Pratik Nayan Dash	2014IPG-063	IPG - MBA	Even Keel Learning Solutions Ltd.
43	Rahul Sant	2014IPG-064	IPG - MTech	MyMoneyMantra
44	Rahul Verma	2014IPG-065	IPG - MTech	Yatra Online Pvt Ltd
45	Rahul	2014IPG-066	IPG - MTech	Connaizen
46	Rahul	2014IPG-066	IPG - MTech	Connaizen
47	Ritik Verma	2014IPG-068	IPG - MTech	Go-jek Tech
48	Rohit Kumar	2014IPG-070	IPG - MTech	Innoplexus
49	Sagar Sharma	2014IPG-071	IPG - MTech	Roposo
50	Abhinav Sanga	2014IPG-074	IPG - MTech	WOWSOME
51	Sanjika Kumari	2014IPG-076	IPG - MTech	CityConnections Technologies Pvt Ltd.
52	Saumya Tripathi	2014IPG-077	IPG - MBA	HungerBox- Eat Good Technologies Pvt. Ltd.
53	Saurabh Sharma	2014IPG-078	IPG - MTech	MYNTRA
54	Shantanu Tripathi	2014IPG-079	IPG - MTech	Elucidata
55	Shivam Sinha	2014IPG-082	IPG - MTech	Qubole
56	Shivani Mandeliya	2014IPG-083	IPG - MBA	State Bank of India
57	Shruti Agarwal	2014IPG-084	IPG - MTech	BNY Mellon
58	Shubham Jaroli	2014IPG-085	IPG - MTech	Goibibo-Ibibo group
59	Shubham Sharma	2014IPG-086	IPG - MTech	AAIC Technologies
60	Shubham Varshney	2014IPG-088	IPG - MTech	ZeroStack
61	Sneha Susarla	2014IPG-090	IPG - MTech	Tata Research Design and Development Centre
62	Suruchi Arya	2014IPG-092	IPG - MTech	Leap&Scale Growth Partners
63	Syed Shameerur Rahman	2014IPG-093	IPG - MTech	Qubole
64	Tanya Sharma	2014IPG-094	IPG - MTech	Myntra
65	Utkarsh Goel	2014IPG-096	IPG - MTech	Myntra
66	Vaibhav Khandelwal	2014IPG-098	IPG - MTech	Fynd Shopsense retail technologies Pvt. Ltd

67	Vaibhaw Vishal	2014IPG-099	IPG - MTech	City Teens
68	Varsha Sachan	2014IPG-100	IPG - MTech	FLUTUR (Civic & Social Organization)
69	Vipin Kumar	2014IPG-103	IPG - MTech	Clik.ai
70	Vishakha Chichra	2014IPG-104	IPG - MTech	TOPPR
71	Yash Tibrewal	2014IPG-105	IPG - MTech	CANGRA TALENTS Pvt Ltd
72	Yusra Qureshi	2014IPG-106	IPG - MTech	Tosh Innovations Pvt. Ltd.
73	Arpit Khandelwal	2014IPG-107	IPG - MTech	Goibibo-ibibo group
74	Evi Agarwal	2014IPG-108	IPG - MTech	Clik.ai
75	Angel Suryavanshi	2014IPG-112	IPG - MTech	Codejudge
76	Somit Mittal	2014IPG-114	IPG - MTech	CLIK.AI
77	Devasheesh Roy	2014IPG-115	IPG - MTech	WittyBrains
78	Buddh Priy Maury	2014IPG-116	IPG - MTech	Kanishka IT Pvt.ltd
79	Sunil Kumar	2014IPG-117	IPG - MTech	City Teens
80	Sachin Sharma	2014IPG-118	IPG - MTech	The Solar Labs
81	Jayant Mundhra	2014IPG-119	IPG - MBA	Buildcon Industries Pvt. Ltd.
82	Shubham Goel	2014IPG-120	IPG - MTech	Gemini Solutions Pvt Ltd
83	Snehith Jonnaikode	2014IPG-121	IPG - MTech	ABV-IIITM, Gwalior
84	Nistha Gautam	2014IPG-124	IPG - MTech	Cartesian Consulting
85	Chandak Vaishnav Naresh	2014IPG-127	IPG - MTech	InMobi
86	Priyansh Singh	2017IS-17	PG- MTech	SAG, DRDO
87	Abhishek singh	2017MBA-01	PG - MBA	Vectus industries Ltd.
88	Alok Kumar Pandey	2017MBA-02	PG - MBA	AkzoNobel India Limited
89	Ankit Agrawal	2017MBA-03	PG - MBA	SBI
90	Anshita Agrawal	2017MBA-04	PG - MBA	NTPC
91	Anshul Gupta	2017MBA-05	PG - MBA	Caterpillar Inc
92	Anvit Saxena	2017MBA-06	PG - MBA	J K Tyre & Industries Limited
93	Chayanika Maiti	2017MBA-07	PG - MBA	Calcutta Port Trust
94	Dhruv Kumar	2017MBA-08	PG - MBA	ABV-IIITM, Gwalior
95	Karthik Sathyan Nambiar	2017MBA-10	PG - MBA	SKF India Pvt. Ltd.
96	Krishna Kumar	2017MBA-11	PG - MBA	Reliance Infocomm Ltd
97	Kshitij Goyal	2017MBA-12	PG - MBA	Birla Jewels LTD.
98	Sairadha Loya	2017MBA-13	PG - MBA	Myntra Designs Pvt limited
99	Lucky Raj	2017MBA-14	PG - MBA	JK Tyre Industries Ltd.
100	Mannat Pandoh	2017MBA-15	PG - MBA	Motherson Sumi Infotech
101	Mansi Agarwal	2017MBA-16	PG - MBA	SBI
102	Rishika Gupta	2017MBA-17	PG - MBA	Punjab National Bank
103	Akshit Agarwal	2014IPG-08	IPG - MTech	EBSAVVY INFOTECH PVT LTD.

Visitors to the Institute for the year 2017-18

Many distinguished visitors have visited the institute in the year 2017-18. Table below presents details of such visits;

S. No.	Name of visitor	Particular	Date of Visit
1.	Prof Dilip Dureha	Vice Chancellor LNIPE, Gwalior	02.04. 2017
2.	Prof S C Dutta Roy	Honorary scientist of the Indian National Science Academy	03.04. 2017
3.	Mr Arun Karna	Managing Director (AT&T Global Network Services)	8-9.04. 2017
4.	Mr Vinod Sood	Managing Director (Hughes Systique)	8-9.04. 2017
5.	Mr Kuntal Dey	IBM Master Inventor, Senior Software Engineer (IBM	8-9.04. 2017
6.	Mr Prashant Bansal	Director IoT Sales (Aeris Communication)	8-9.04. 2017
7.	Mr Anup Kalbali	Tech Lead (CodeChef)	8-9.04. 2017
8.	Mr Amit Kasliwal	INSEAD ALUM- India Head - Corporate Sales at Ford India	15.04. 2017
9.	Ms Ruchir Malik	INSEAD ALUM - Assistant Director for Talent Development, EY	15.04. 2017
10.	Mr Ashish Rathi	INSEAD ALUM - VP - Sales at Eltropy, Co-founder at Realtycomp	15.04. 2017
11.	Mr Harminder M. Bareja	INSEAD ALUM - Head HR Reliance Infra EPC.	15.04. 2017
12.	Ms Taruna Garg	INSEAD ALUM - Project Manager at Fidelity Investments	15.04. 2017
13.	Mr Mohit Mehra	INSEAD ALUM - Head Of India Operations, Cinestaan North America	15.04.2017
14.	Prof N M Agrawal	Adjunct Professor in OBHRM area at IIM Bangalore	15.08. 2017
15.	Prof R K Guha	Alumnus of IIT Kanpur	15.08. 2017
16.	Mr Reapan Tikoo	CEO of Powai Labs which was incubated at IIT Bombay	15.08. 2017
17.	Mr Anil K Bharadwaj	Director at Department of Telecommunications, Ministry of Communication & IT	21-22.08. 2017
18.	Mr Gautam Kumar	National Business Manager, Ricoh India Ltd, Institute of Management Technology	21-22.08. 2017
19.	Mr Deepak Agarwal	Director General of Consultancy Development Centre at Ministry of Science and Technology, Gol	21-22.08. 2017
20.	Mr Siddhartha Ahluwalia	CEO, Babygogo	21-22.08. 2017
21.	Mr Anurudh Singh	Global System Pvt Ltd.	21-22.08. 2017
22.	Dr Santosh Vishwakarma	Associate Professor, IIT Indore	21-22.08. 2017
23.	Mr Nitin Prakash	CEO, Prakash IT Consulting and Solutions Pvt Ltd	21-22.08. 2017
24.	Mr Nagenndra Saxena	E-Governance Manager from smartcity Gwalior	21-22.08. 2017
25.	Mr Sanjay Pandey,	Head NIC, Gwalior	21-22.08. 2017
26.	Dr Manish Gupta	Dr. Manish Gupta Professor, IIIT Bangalore	11-12.10. 2017
27.	H E Samargiul Adamkulova	Ambassador of the Kyrgyz Republic to the Republic of India	29.10. 2017
28.	Mr Vivek Shejvalkar	Mayor of Gwalior City	29.10. 2017
29.	Prof Shekhar Verma	Dean, IIIT Allahabad	3-5.11. 2017

30.	Prof Rajkumar Buyya	Melbourne University, Australia	3-5.11. 2017
31.	Mr Prasenjit Das	TCS	3-5.11. 2017
32.	Dr Masahiko Mori	Director of Electronics and Photonics Research Institute, Japan	3-5.11. 2017
33.	Prof Neelesh B Mehta	IISC Bangalore	3-5.11. 2017
34.	Prof H M Gupta	Ex Professor-IIT Delhi	3-5.11. 2017
35.	Prof A K Chaturvedi	Director, IIT Roorkee	05.11. 2017
36.	Prof Banshidhar Majhi	Director, IIITDM Kancheepuram	05.11. 2017
37.	Prof P K Jain	Director IIITDM Jabalpur	05.11. 2017
38.	Mr Ranjoy Dey	Promotor, R.D. Associate New Delhi	9-10.11. 2017
39.	Mr Suresh Rangadurai	India - Business Head, at Axcend Automation Pvt. Ltd.	11-12.11. 2017
40.	Ms Shaivya Singh Rathore	Sales Director at 2041 Inc.	11-12.11. 2017
41.	Mr Anil Kumar Singh	Plant Head, Akzo Nobel Ltd.	11-12.11. 2017
42.	Prof Rajen Gupta	Professor, Management Development Institute (MDI), Gurgaon	17.12. 2017
43.	Prof Sudhanshu Rai	Associate Professor from Copenhagen Business School	18.12. 2017
44.	Prof Snehlata Jaswal	Associate Professor at L .M Thapar School of Management	19-20.12. 2017
45.	Dr Vidhu Gaur	Faculty, MDI Gurgaon	19-20.12. 2017
46.	Prof Srinivas Gunta	Faculty, IIM Indore	21.12. 2017
47.	Mr M Dhaker	General Manager, BSNL Gwalior	21.12. 2017
48.	Dr Sunil Khare	Jagran University Bhopal	22.12. 2017
49.	Prof L K Das	IIT Delhi	26.01. 2018
50.	Dr Jaijit Bhattacharya	KPMG	26.01. 2018
51.	Dr Amrit Puzari	NIT Nagaland	26.01. 2018
52.	Mr Anil Tyagi	VP(Manufacturing), LG Electronics	26.01. 2018
53.	Prof L K Maheshwari	Ex-Vice-Chancellor BITS Pilani	19.01. 2018
54.	Dr. D K Dubey	Director DRDE, Gwalior	20.01. 2018
55.	Mr Ravi Verma	DEO Dewas	20.01. 2018
56.	Mr Vineet Chirania	CEO Trainman	20.01. 2018
57.	Dr D K Dubey	Director, DRDE Gwalior	20.01. 2018
58.	Prof S D Sapre	Retired Professor, MANIT Bhopal	16.02. 2018
59.	Prof Ramesh K Agrawal	JNU, Delhi	26-30.03. 2018
60.	Prof Vivek Kumar Singh	BHU, Varanasi	26-30.03. 2018
61.	Dr Shirish Shevade	IISc Bangalore	26-30.03. 2018
62.	Dr A D Dileep	IIT Mandi	26-30.03. 2018
63.	Dr Sriparna Saha	IIT, Patna	26-30.03. 2018

Faculty

ABV-IITM, Gwalior faculty members are committed teachers and leading researcher. The faculty members have shared spirit, and thats reflected in both research and in the classroom. With an adequate student body and warm community, ABV-IITM students get unparalleled access to this knowledge. Faculty members are known for their conducts of FDPs/MDPs and workshops/ conferences across the country. They have authored various books in their areas of expertise with recognised publishers. Following table is the indicative research interests of the faculty members.

S.No.	Broad Area	Themes
1	Nano Science & Technology	Material Properties. Sensor Design & Application. Nano- Electronics. GNR in 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. Multi-Media Security. Wireless Network Security. Cryptography. Quantum Cryptography. Applications of Biometrics in Security
4	Computing	Softcomputing. Quantum computing & Information. Distributed and Computing and Optimization Techniques. Gridcomputing. Parallel Computing, Mobile Computing. Data Mining. Bio-Informatics. 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 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. Modeling and Simulation 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 Behaviour
13	Organizational Behaviour	Behavioural Application of Organization theory 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 Expertise

Table below presents list of ABV-IITM, Gwalior and their area of expertise.

<p>Prof G K Sharma Ph D (Uni. of Roorkee, Now IIT-Roorkee) Professor Area of Interest : Energy-Aware Computing, Approximate Computing, System-on-Chip (SoC) Architectures</p>	<p>Prof Aditya Trivedi Ph D (IIT-Roorkee) Professor Area of Interest: Digital Communication, Adaptive Signal Processing</p>
<p>Prof Rajendra Sahu Ph D (IIT-Kharagpur), Professor Area of Interest: ERP, Supply Chain Management, Knowledge Management, E-Governance, System Analysis & Design, Modeling and Simulation, Cost Accounting</p>	<p>Dr Mahua Bhattacharya Ph D (Calcutta University), Associate Professor Area of Interest: Medical Image Processing, Soft Computing, Pattern Recognition, Artificial Intelligence</p>
<p>Prof Shashikala Tapaswi, Ph D (IIT-Roorkee) Professor Area of Interest: Image & Video Processing, Mobile Network, Adhoc Network</p>	<p>Dr K V Arya Ph D (IIT-Kanpur) Associate Professor Area of Interest: Image Processing, Biometrics, Information Security, Wireless Adhoc Networks, Secure Image Transmission,</p>
<p>Prof Anupam Shukla Ph D (NIT-Raipur), Professor Area of Interest: Soft Computing, AI, Speech Processing, Biomedical and Bio-informatics</p>	<p>Dr P K Singh Ph D (IIT-Kharagpur) Associate Professor Area of Interest: Soft Computing, Multi-/Many-Objective Optimization, Data Mining, Computer Networks, Wireless and Sensor Networks</p>

<p>Dr Joydeep Dhar Ph D (IIT-Kanpur) Associate Professor Area of Interest: Industrial Mathematics: Mathematical Modelling and Simulation in Environmental, EMS, Management systems: Financial Mathematics and Fuzzy logic Applications</p>
<p>Dr Manoj Patwardhan, Ph D (Jiwaji University) Associate Professor Area of Interest : Human Resource Management, Change Management, Organizational Behavior, Leadership & Talent Management</p>
<p>Dr Anurag Srivastava Ph D (Barkatullah University, Bhopal); PDF (Uppsala University, Sweden) Associate Professor Area of Interest: Computational Physica, Nano- Electronics (Device Modelling), Thoretical Modeling of Nanomaterials and Nanostructures IT Localization, E-Governance, ITApplications</p>
<p>Dr Pankaj Srivastava Ph D (Allahabad University) Associate Professor Area of Interest: Theoretical Condensed Matter Physics, Computational Nanoscience, Quantum Computing, Nanoelectronics, VLSI.</p>
<p>Dr Naval Bajpai Ph D (Pt. Ravishankar Shukla University, Raipur), Associate Professor Area of Interest: Business Statistics, Business Research, Methods, Multivariate Analysis, Marketing Research & Organizational Behaviour</p>

<p>Dr Manisha Pattanaik, Ph D (IIT Kharagpur) Associate Professor Area of Interest : CMOS, Device/Circuits/System Co-Design, Characterization and Design of Low Power Logic and Memory</p>
<p>Dr Gaurav Agrawal Ph D (Bundelkhand University, Jhansi) Associate Professor Area of Interest: Financial Economics, International Finance, Monetary Economics, Investment Management.</p>
<p>Dr Ritu Tiwari Ph D (NIT Raipur) Associate Professor Area of Interest: Robotics, Artificial Intelligence, Soft Computing and Applications</p>
<p>Dr Gyan Prakash Ph D (IIT-Kanpur) Associate Professor Area of Interest: Supply Chain Management, Service Quality, Management Information System, Business Analysis and Intelligence, Public Systems: e-Governance, Health and Environment</p>
<p>Dr Pradip Swarnakar Ph D (IIT Kanpur) Associate Professor Area of Interest: Environmental Sociology, Risk perception and Communication, ICT for development</p>
<p>Dr Manoj Kumar Dash Ph D (Berhampur University, Orissa) Assistant Professor Area of Interest: Marketing Science, Ecomometrics Modeling in Marketing, Marketing Analytics, Marketing Reseach, Consumer Behaviour</p>



<p>Dr K K Pattanaik Ph D in Engineering (BIT-Mesra) Associate Professor Area of Interest: Grid Computing, Mobile Computing, Multi Agent Systems</p>
<p>Dr Ajay Kumar Ph D (IIT Roorkee) Associate Professor Area of Interest: Reliability, Statistics, Fuzzy Sets and Fuzzy Logic, Optimization, and Soft Computing</p>
<p>Dr Vinay Singh Ph D (IIT Kanpur) Assistant Professor Area 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</p>
<p>Dr Vishal Vyas Ph D (Vikram University, Ujjain) Assistant Professor Area of Interest : Financial Risk Management, Behavioural Finance, Project Feasibility and Finance, Derivatives, Portfolio Management and Investment Analysis</p>
<p>Dr W Wilfred Godfrey PhD (IIT, Guwahati) Assistant Professor Area of Interest: Artificial Intelligence-Robotics, Soft Computing, Multi-Agent Systems, Machine Learning</p>

<p>Dr Anuraj Singh Ph D (IIT-Roorkee) Asst. Professor [on contract] Area of Interest: Mathematical Modeling, Nonlinear Dynamical Systems, Computational Biology, Control Theory</p>
<p>Dr Prasenjit Chanak Ph D (IEST Shibpur) Assistant Professor [on contract] Area of Interest: Data Structure, Mobile Computing, Wireless Sensor Networks, Computer Network</p>
<p>Dr Saumya Bhadauria Ph D (IIT-Indore) Assistant Professor [on contract] Area of Interest: Computer Organization and Architecture, Information security, Network security, Optimization Techniques</p>
<p>Dr Neetesh Kumar Ph D (JNU, New Delhi) Assistant Professor [on contract] Area of Interest: Design and Analysis of Algorithms, DBMS, Parallel Computing, Cloud Computing</p>
<p>Dr Yash Daultani Fellow, IIM Lucknow Assistant Professor [on contract] Area of Interest : Operations Management, Service Operations Management, Supply Chain Management, Total Quality Management, Lean Six Sigma Processes</p>

Adjunct Faculty

<p>Prof H M Gupta Ex. Professor IIT Delhi</p>	<p>Prof V S R Krishnaiah Director (NIC), New Delhi</p>
<p>Prof N K Sharma Ex. Professor, IIT Kanpur</p>	<p>Dr Manish Gupta Adjunct faculty IIIT Bangalore</p>
<p>Prof G S Singh Ex. Professor, IIT Roorkee</p>	<p>Dr A K Singh Ex-Commissioner IRS Chennai</p>
<p>Prof Prem Pyara Ex-Dena, Dayalbagh University</p>	

Officers and Staff

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

S.No.	Name of Employee	Designation
1.	Mr Pankaj Kumar Gupta	Registrar (Incharge)
2.	Mr Pankaj Kumar Gupta	Deputy Registrar (A&A)
3.	Mr D P Singh	Deputy Registrar (A&P) [on deputation]
4.	Mr Dinesh Kr. Dwivedi	Security Officer
5.	Dr Ekta Sakwar	Assistant
6.	Mr Anil Kumar Garg	Assistant (Audit)
7.	Mr Virendra Kumar Joshi	Assistant
8.	Mr Sanjay Kumar Soni	Library Assistant
9.	Dr J P Sharma	PA/Steno
10.	Mr Vijay Kr. Dwivedi	Accountant
11.	Mr Narendra Singh Tomar	Assistant
12.	Ms Deepa Singh Sisodiya	Technical Assistant
13.	Mr Trepan Singh Koundal	Cashier
14.	Mr Hemant Pratap Verma	Technical Assistant
15.	Mr Lokendra Singh Mavai	Technical Assistant
16.	Mr Mahesh Singh Dhakad	Lab Assistant
17.	Mr.Rampal Singh Kushwah	Data Entry Operator
18.	Mr Alok Singh Jadon	Data Entry Operator
19.	Mr.Narendra P S Chauhan	Lab Assistant

Faculty/Officer, who are on Lien/Deputation/Duty Leave/ Sabbatical Leave

During Year 2017-18

- **Mr D P Singh** was relieved from ABV-IIITM Gwalior to join IIFM Bhopal as Chief Administrative Officer (on deputation). He has been granted deputation for a period of three years we.f. 05.04. 2017 - 04.04. 2020.
- Sabbatical Leave has been granted to **Dr Pradip Swarnakar**, Associate Professor, ABV-IIITM Gwalior for Fulbright Nehru Academic and Professional Excellence Fellowship for engaging in teaching and research at University of San Francisco, California, USA from 01.09. 2017 - 31.05. 2018.
- **Dr Karm Veer Arya**, Associate Professor, ABV-IIITM Gwalior was relieved from the Institute w.e.f. 11.09. 2017 (A/N) on standard foreign service terms as per Government of India norms for accepting the assignment as Professor on lien for the period of two years at Dr APJ Abdul Kalam Technical University, U.P., Institute of Engineering & Technology, Lucknow, Uttar Pradesh.

Conferences/Symposiums

In the year 2017-18, ABV-IIITM, Gwalior has conducted many conferences/symposiums/FDPs/MDPs/ short term training programmes and faculty members have also attended many conferences/symposiums detailed in the tables below:

Conferences/Symposiums/ FDPs/MDP/Short Term Training Programmes Conducted in year 2017-18

S.No.	Date	Title	Coordinator	No. of Participants
1.	3-5.11. 2017	Conference on Information and Communication Technology - CICT 2017	Prof Aditya Trivedi	100
2.	17-22.12.. 2017	Academic Writing and Publishing	Dr M Dash	22
3.	19-20.01. 2018	MOM (Mind Over Matter) National Technical Model Exhibition, ABV-IIITM.	Dr Pankaj Srivastava	62
4.	15-21.02. 2018	Statistics and Research Methodology: An Exploration with a Special Focus on Multivariate Statistical Techniques	Dr Naval Bajpai Prof Anupam Shukla Dr Manoj Dash	19

Workshop/Conferences/Symposiums attended by Faculty Member during the year 2017-18

	W/C/S	Int./Nat.	Title	Date	Place	Remarks
Prof Aditya Trivedi	C	National	Communication, Networking and Cyber Security	From 12.04.2017 to 13.04 2017.	Amity University Gwalior	Delivered a lecture on "Recent Trends in ICT" in National conference on Communication, Networking and Cyber security

						held from 12.04 to 13.04 2017.
	C	International	SANMANTRANA-2018* A Multi-disciplinary International Congress on Innovations in Science, Technology and Management- Challenges and Opportunities,	5.02.2018 to 7.02.2018	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore	On 06.02.2018 gave a plenary talk on 'Research Trends in ICT' Sponsored by AICTE, New Delhi and St. Cloud State University, USA
	FDP	National	FDP on "Communication, Control and Networking"	19.02.18 to 23.02.2018	Electronics Dept. of BIET, Jhansi .	Delivered a lecture on, 'Wireless Communication' on 21.02.2018 Sponsored by TEQIP phase III
Dr M Bhattacharya	Session Chair	International	Biological Data Mining, Visualization, High Performance Computing	13.11.17 to 16.11.17	Kansas City, MO, USA	Delivered a lecture on session topic
Dr M Bhattacharya	Session Chair	International	Computer Aided Design for Biomedical Application	27.12.17	NTHU, Taiwan	Delivered a lecture on session topic
Dr Pankaj Srivastava	W	National	SMDP-C2SD 3rdZOPP (Objective Orientated Project Planning) workshop.	27.10.2017 to 28.10.2017	IIT Guwahati	
Dr Anuraj Singh	C	International	12th AIMS Conference on Dynamical Systems, Differential Equations and Application	05.07-2017 to 09.07.2017	National Taiwan University, Taipei, Taiwan	
	C	International	International Conference on Mathematical Modeling and Computations in Biology	12.03.2018 to 14.03.2018	IIT Roorkee, Roorkee, India	

Dr Gaurav Kaushal	FDP	National	Training programme under the Electronics & ICT Academy	06.06.2017 to 07.06.2017	IIITDM Jabalpur	Delivered a lecture on "Sequential Circuit" on 6-7 June
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In the year 2017-18, ABV-IIITM, Gwalior staff members have also attended many workshops/ conferences/training programme detailed in the table below:

Workshop/Conference/Training Programme attended by the officers and staff during 2016-17

Name	Workshop/Conference/Training Programm	Date		Organized by
Dr Ekta Sakwar	Workshop on " Orientation Training Programme for GFR-2017 "	12.06.2017	12.06.2017	Government of India, Institute of Secretarial
	Workshop on " Pay Fixation "	15.11.2017	17.11.2017	Training & Management, New Delhi
Mr Anil Kumar Garg	Workshop on "Public Procurement under GFR - 2017"	08.06.2017	09.06.2017	Government of India, Ministry of Personnel, Public Grievances & Pensions, Department of Personnel and Training, Institute of Secretarial Training & Management, New Delhi
	Workshop on "Orientation Training Programme for GFR-2017"	12.06.2017	12.06.2017	
	Workshop on "Pay Fixation"	15.11.2017	17.11.2017	
Dr J P Sharma	Training Programme on Swachh Bharat Mission on	08.05.2017	08.05.2018	Institute of Secretariat Training & Management, (Govt. of India) New Delhi
	Noting & Drafting	06.07.2017	07.07.2017	
	Workshop on E-Office	07.09.2017	08.09.2017	
	2-Days Certificate Course on Digital Marketing	08.11.2017	09.11.2017	ABV-IIITM Gwalior
Mrs Deepa Singh Sisodiya	Conference on Information and Communication Technology-CICT 2017	03.11.2017	05.11.2017	Jointly Organised by ABV-IIITM Gwalior, IIIT Allahabad, PDPM IIITDM Jabalpur and IIITDM Kancheepuram
	Certificate Course on Digital Marketing. Digital Marketing at Behavioral Economics Experiments and Analytics Laboratory (BEE & AL)	09.11.2017	10.11.2017	Organised by ABV-IIITM Gwalior

Mr Mahesh Singh Dhakad	Conference on Information and Communication Technology (CICT-2017)	03.11.2017	05.11.2017	ABV-IIITM Gwalior
Mr Vijay Kumar Dwivedi	Technical Workshop on GST & Financial Management	08.02.2018	10.02.2018	Organized by ITPR, New Delhi
Mr Sanjay Kumar Soni	20th National Conventions on Knowledge, Library and Information Networking (NACLIN 2017)	28.11.2017	30.11.2017	Organized by DELNET, New Delhi
Mr Jitendra Dubey	20th National Conventions on Knowledge, Library and Information Networking (NACLIN 2017)	28.11.2017	30.11.2017	Organized by DELNET, New Delhi

Gyandhara (at a glance) organized in ABV-IIITM Gwalior

ABV-IIITM staff member Mr Mahesh Singh Dhakad has initiated many computer training programmes referred to as Gyandhara listed below:

- Computer Training Program under Gyandhara organized by the Institute and coordinated by Shri Mahesh Singh Dhakad from 01.05.2017 to 05.05.2017 (05 Days).
- Computer Training Program under Gyandhara organized by the Institute and coordinated by Shri Mahesh Singh Dhakad from 08.05.2017 to 10.05.2018 (03 Days).
- Computer Training Program under Gyandhara organized by the Institute and coordinated by Shri Mahesh Singh Dhakad from 24.02.2018 to 24.02.2018 (One day).



Achievement of Students and Faculty in 2017-18

As usual, in this year also students and faculty of ABV-IITM, Gwalior have registered their presence in academia through various professional achievement. Following sections details these achievements separately for students and faculty.

Students Achievement

Mr. Sandip Maurya student of MBA-2016 batch has secured Campus Ambassador Internship at Indian Institute of Science (IISc) Bangalore, Pravega'18 through Internshala- India's No. 1 Internship Platform.

He has also secured College Representative Internship at the e-Cell of IIT Bombay through Internshala.

Shaastra Automation LLP, a start-up initiated under "Start-Up "programme, had participated in "Start-up Battle", organized under Technex'18, the Techno-Managerial fest of IIT-BHU, where 20+ startups competed against each other and have won the "Start-Up Battle".

The members of the team who represented SAL at IIT BHU were:

1. Aditya Singh (2017IMG-006)
2. Rucha Pallewar (2017IMG-042)
3. Rohit Singhal (2014IPG-113)
4. Prajval Gupta (2014IPG-061)

Shaastra Automation LLP has also been offered seed funding of more than \$50000 from investors to scale the production of its current product "Auto Dimmer Device".

Faculty Achievement

- Dr Prasenjit Chanak, Assistant Professor, ABV-Indian Institute of Information Technology and Management, Gwalior, received the Best PhD thesis Award (First) 2016-2017 from the Computer Society of India (CSI) for his PhD thesis on 'Design of Wireless Sensor Networks for Fault Tolerance and Obstacle Avoidance'.
- Dr Chanak also received IEEE Chester W Sall Memorial Awards 2017 by the IEEE Consumer Electronics Society, USA (<http://cesoc.ieee.org/awards/sall.html>).
- Dr Anurag Srivastava, Coordinator of Institute's Technology Innovation and Mentor of Raman Innovation Club was invited to participate in Festival of Innovation and Entrepreneurship (FINE 2018) held at Rashtrapati Bhawan, New Delhi during 19-23.03.2018.
- The activities of Centre and Club during 2016-17 have been shortlisted in top 10 innovation centres among the 75 Centres of India and presented to Personal Secretary to President of India and other Officers on 20.03. 2018 during 04.30 PM to 5.30 PM at West Hall, RBCC. The activities of the centre were well appreciated by President House. Hon'ble President has also appreciated the activities of all the top 10 centres during his address to all the innovators and Innovation Club members.
- Besides this Dr Srivastava has also been invited to visit the Innovation Exhibition and interacted with the Grassroots innovators on 20.03.2018 during 2.00 PM to 5.00 PM, a special session organized for Startups and Innovators in IT an Agriculture sector. The innovation exhibition was organised at Football Ground, Near RBCC Hall, Rashtrapati Bhawan. TIIC startup and grassroot innovator, Mr Jay Singh Narwaria has also showcased his innovative product Smart BioToilet Chair, during the Innovation Exhibition.
- Dr K K Pattanaik has been elevated to the grade of Senior Member of IEEE this year (2018). Senior Member is the highest professional grade of the IEEE, which requires experience and professional accomplishment and maturity.

Ek Bharat Shreshtha Bharat (EBSB)

Ek Bharat Shreshtha Bharat (EBSB) has been one of the major flagship programmes of the Government to bring in cultural integration of the country as a part of the vision to build a "New India by 2022". The MHRD is the coordinating Ministry for these activities under EBSB.

There is no country like INDIA, quite as diverse, multi-lingual and multi cultural, yet bound together by the ancient bonds of shared traditions, culture and values. Such bonds need to be strengthened through enhanced and continuous mutual interaction between people of varied regions and ways of life, so that, it encourages reciprocity and secures an enriched value system of unity amongst people of different states in culturally special country like India.

"Ek Bharat Shreshtha Bharat" was announced by Hon'ble Prime Minister on 31.10.2015 on the occasion of the 140th birth anniversary of Sardar Vallabhbhai Patelji. Subsequently, the Finance Minister announced the initiative in his budget speech for 2016-17. Through this innovative measure, the knowledge of the culture, traditions and practices of different states and union territories will lead to an enhanced understanding and bonding between the states, thereby strengthening the unity and integrity of India.

All states and union territories are to be covered under the programme by pairing of states/union territories at national level.

The broad objectives are to celebrate the unity in diversity, to promote the spirit of national integration, to show case the rich heritage and culture, to establish long term engagements and to create an environment that promotes learning, sharing best practices and experiences. The key themes include to celebrate the idea of India as a nation wherein different cultural units across varied geographies, coalesce and interact with each other. To celebrate the idea of India as a nation wherein different cultural units across varied geographies coalesce and interact with each other, this glorious manifestation of diverse cuisine, music, dance, theatre, tree plantation in 2017. Movies & films, handicrafts, sports, literature, festivals painting, sculpture etc., will enable people to imbibe the innate chord of binding and brotherhood

To make our people aware about the seamless integral hull of the modern Indian state spread across a vast landmass on whose firm foundations, the geo-political strength of the country is ensured to benefit one and all. To impress upon people at large about the increasing inter-connectedness between the constituents of various cultures and traditions, which is so vital for the spirit of nation building.

To induce a sense of responsibility and ownership for the nation as a whole through these close cross-cultural interactions as it intends to build up the inter-dependence matrix unequivocally.

To further promote inter-state travel for boosting business activities of various hues. Institute organized Photography and Painting Competition (12.10.2017), Udbhav (29.10.2017), Essay Writing Competition (31.10.2017), Poster Competition (01.11.2017), Panel Discussion I (02.11.2017) and Food Fiesta (01.2017) during Oct-Dec 2017 as a part of EBSB. Institute aims to achieve above described objectives of Ek Bharat Shreshtha Bharat through organizing various events. Few selected activities are presented in attached table:

S.No.	Date	Activity	Theme
1.	12.10.2017	Photography and Painting Competition	Depicting cultural heritage of Nagaland, Manipur and Madhya Pradesh
2.	31.10.2017	Essay Writing Competition	Role of IT and Management in the Industrial development of Nagaland, Manipur and Madhya Pradesh
3.	01.11.2017	Poster Competition	Based on the Theme given on the spot

4.	02.11.2017	Panel Discussion - I	Educated Unemployment in Nagaland, Manipur and Madhya Pradesh
5.	01.12. 2017	Food Fiesta	Taste of Nagaland, Manipur and Madhya Pradesh
6.	25.01. 2018	Singing/Dancing/Traditional Dress Competition	As per the tradition and culture of Nagaland, Manipur and Madhya Pradesh
7.	26.01. 2018	Experience Sharing by Experts from Nagaland	Understanding specific culture of Nagaland
8.	16.02. 2018	Intrecative Talk	Youth empowerment and role of Youth in the development of Nation.
	21.02-2018	Extempore Competition	Topics given on the spot
9.	22.02.2018	Poetry Competition	EK Bharat Shreshtha Bharat
10.	08.03. 2018	Panel Discussion - II	Woman Empowerment and development in the states of Nagaland, Manipur and Madhya Pradesh

Plantation

Institute has a great focus on making campus a green campus. So, tree plantation has become a routine exercise. Institute encourages members and visitors to plant trees on varios loactions. Table below presents a detail of this initiative:

Tree plantation in 2017

S.No.	Date	Name	Affiliation	Name of plant	Location
1.	26.07.2017	New entrants B.Tech. (CS) Batch-2017	Students	Shisham	Butterfly conservatory
2.	26.07.2017	New entrants IPG-MTech. Batch 2017	Students	Sagaun	Butterfly conservatory
3.	26.07.2017	New entrants IPG MBA Batch 2017	Students	Palash	Butterfly conservatory
4.	26.07.2017	New entrants MBA Batch 2017	Students	Arjun	Butterfly conservatory
5.	26.07.2017	New entrants Ph.D Batch 2017	Students	Bija-sal	Butterfly conservatory
6.	04.08.2017	ABV IITM+Mahila Patanjali Yog Samity+ Yuva Bharat Kisan Panchayat. Gwalior	Students	Gulmohar-5 Gudhal-2 Harsingar-2 Anvala-2 Kachnar-2	Bio-diversity park

7.	15.08.2017	Prof N M Agrawal	Adjunct. Prof. IIM Bangalore	Bija	Admn. Building
8.	15.08.2017	Mr Reapan Tikoo	CEO Powai Labs. Mumbai	Bija	Admn. Building
9.	15.08.2017	Prof R K Guha	SLIET Longowal	Bija	Admn. Building
10.	29.10.2017	HE Samargiul Adamkulova	Ambassador of Kyrgyz. Republic	Pakhar	International Visitors Hostel
11.	05.11.2017	Prof A K Chaturvedi	Director IIT Roorkee	Harsingar	LT-I Entrance
12.	05.11.2017	Prof Bansidhar Majhi	Director IIITDM Kanchipuram	Harsingar	LT-I Entrance
13.	05.11.2017	Prof H M Gupta	IIT Delhi	Harsingar	LT-I Entrance
14.	05.11.2017	Prof Neelesh B Mehta	IISc. Bangalore	Harsingar	LT-I Entrance
15.	05.11.2017	Prof Aditya Trivedi	ABV IIITM	Harsingar	LT-I Entrance
16.	05.11.2017	Dr Masahiko Mori	Director Electronics and Photonics Research Institute Japan.	Harsingar	LT-I Entrance
17.	11-12.11.2017	Ms Ruchir Malik	Leadership Coach	Mogra	MDP
18.	11-12.11.2017	Shri Suresh Rangadurai	Head Indian Business	Mogra	MDP
19.	11-12.11.2017	Ms Shaivya Sinnggh Rathore	Leadership Coach	Mogra	MDP
20.	11-12.11.2017	Shri Kushagra Pandey	Talent Acquisition	Mogra	MDP
21.	11-12.11.2017	Prof Dipu Sarkar	NIT Nagaland	Rat-rani	MDP
22.	11-12.11.2017	Mr Anil Singh	Akzo Nobel India	Mogra	MDP
23.	11-12.11.2017	Shri Awdhesh Kumar	Pernod Ricard	Mogra	MDP
24.	11-12.11.2017	Shri Apurva Sharma	Bodishree	Rat-rani	MDP
25.	11-12.11.2017	Shri Srinivas Duddu	Nagra Kudelksi Group	Rat-rani	MDP
26.	11-12.11.2017	Shri Gautam Ghosh	Vbeyond	Rat-rani	MDP
27.	11-12.11.2017	Shri Sanjay Rishi	Usha International	Rat-rani	MDP
28.	19.01.2018	Prof L K Maheshwari	Ex-Vice-Chancellor BITS Pilani	Bija/vijaysar	Sports Complex

29.	19.01.2018	Brig. V. Manoharan (Retd)		Bija/vijaysar	Sports Complex
30.	19.01.2018	Swami Satya prakashanand	RKVM Gwalior	Bija/vijaysar	Sports Complex
31.	19.01.2018	Dr Pankaj Srivastava	Faculty coordinator, MOM 2K18	Bija/vijaysar	Sports Complex
32.	19.01.2018	Dr Neetesh Kumar	Faculty coordinator, MOM 2K18	Bija/vijaysar	Sports Complex
33.	20.01.2018	Mr Ravi Verma	DEO Dewas	Bija/vijaysar	Admn-Audi Road
34.	20.01.2018	Mr Vineet Chirania	CEO Trainman	Bija/vijaysar	Admn-Audi Road
35.	20.01.2018	Dr D K Dubey	Director, DRDE Gwalior	Bija/vijaysar	Admn-Audi Road
36.	23.01.2018	Dr C R Nagesh	Sr. Scientist, Ministry of Environment. Gol	Bija/vijaysar	Biodiversity Park
37.	23.01.2018	Mr Vikas Singh	Co convener, INTACH Gwalior chapter	Bija/vijaysar	Biodiversity Park
38.	23.01.2018	Jointly by Teachers of M.P. INTACH Gwalior chapter meet	INTACH	Bija/vijaysar	Biodiversity Park
39.	26.01.2018	Prof Lalit Kumar Das	Ex-Prof, IIT Delhi	Bija/vijaysar	Admn-Audi Road
40.	26.01.2018	Dr Jaijit Bhattacharya	Partner KPMG	Bija/vijaysar	Admn -Audi Road
41.	26.01.2018	Dr Amrit Puzari	NIT Nagaland	Bija/vijaysar	Admn- Audi Road
42.	26.01.2018	Mr Anil Tyagi	Factory Head, LG Electronics	Bija/vijaysar	Admn- Audi Road
43.	28.03.2018	Prof Sankar Kumar Pal	Ex. Director, ISI, Kolkata	Bija/vijaysar	Biodiversity Park

Learning Resource Center (LRC)

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. The library brings out several publications for reference purposes. Some of the major services rendered by the library are reference, reprographic, bibliographic, document delivery; data search facilities, resource sharing with other libraries etc. It also networks with libraries of leading institutions to offer reference, indexing and bibliographic services. Library is well stocked with the texts and references in the areas of Management, IT, Computer Science, Networking, Social Science along with industry related research paper and project reports etc., Table below exhibits title statistics and procurement in library:

Statistical Information during April 2017 - March 2018

S.No.	Titles Information	Procured till 2016-17	Procured till 2017-18	Increase during the year
1	Stack Section (25268), Donated (1094) Book Bank (2962)	28448	29324	876
2	E-Books	5528	6891	1363
3	Print Journals	16	16	-
4	E-Resources (E- Journals)	33 (E-journals 6446)	33 (E-journals 6458)	12
5	Number of MTech (1393), MBA (749) Thesis include [IPG], Ph D Thesis (72)	1995	2214	219
6	Video Cassettes	165	165	-
7	Text Book CD's= (1822), NPTEL Lecture CD's (921) & DVD's (247)	2990	3022	32
8	Annual Report	190	198	8
9	Bound Journals	830	830	-
10	Magazines	50	50	-
11	Newspapers	18	18	-

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

Some of the salient features of the library are as below:

- Member of E-Sodh Sindhu (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

- Access to over 6446 online journals made possible through internet
- Economic database provided by CMIE

In addition to approximately 29,000+ text books, 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.

In order to make users aware about various aspect of library, variety of events/activities are being organized in the library in between April 2017 to March 2018. Table below presents a detail of such activities :

S.No.	Date	Name of Events	Coordinator/Organizer
1	25.07.2017	Elsevier Science Direct Awareness Programme	Dr P K Singh (Associate Professor and Chairman, Library Committee)
2	28.09.017	Springer Nature Author Workshop	Dr P K Singh (Associate Professor and Chairman, Library Committee)
3	11.10. 2017	Workshop Talk: How to Write a Good Book by Prof A Shukla	Dr P K Singh (Associate Professor and Chairman, Library Committee)
4	12.10. 2017	How to Write a Good/Quality Research Paper By Prof J P Verma, LNIPE Gwalior	Dr P K Singh (Associate Professor and Chairman, Library Committee)
5	11 -13.10.2017	Book Fair 2017, at LRC, ABV-IITM Gwalior	Dr P K Singh (Associate Professor and Chairman, Library Committee)
6	17.12. 2017	Management Development Programme (MDP) at LRC, ABV-IITM, Gwalior	Dr Manoj Kumar Dash, Assistant Professor
7	10.01. 2018	EBSCO Business Source Complete : Delivering Research Better than Ever	Dr P K Singh (Associate Professor and Chairman, Library Committee)
8	10.01. 2018	IEEE Xplore Digital Library: Delivering Research Better than Ever	Dr P K Singh (Associate Professor and Chairman, Library Committee)

Research Laboratories

The institute has laboratories required for various courses related to IT, Management and Applied Sciences. The laboratory facilities are continuously being enhanced to cater the ever expanding academic and research needs. Various IT tools are used in functional areas likes 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 various computing needs of the institute. Table below presents details of laboratories functional in the institute :

Lab No.	Name of the Laboratory	Location	Name of the Faculty Incharge	Email Faculty I/c www@iiitm.ac.in	Primary Focus
L-2	Data Communication	C-003	Dr Aditya Trivedi	Atrivedi	Teaching
L-3	Secured Computing	C-006	Dr S Tapaswi	Stapaswi	Research
L-4	Communication Skills	C-009	Dr Ritu Tiwari	Ritutiwari	Teaching
L-5	VLSI Design	C-103	Dr Manisha Pattanaik	manisha Pattanaik	Research & Teaching
L-6	Communication Systems	C-115	Dr Aditya Trivedi	Atrivedi	Research & Teaching
L-7	Hardware	C-203	Dr Anupam Shukla	anupamshukla	Teaching
L-8	Digital Logic Design	C-213	Dr Ritu Tiwari	ritutiwari	Teaching
L-9	Visual Information Processing Research	D-115	Dr Mahua Bhattacharya	mb	Research
L-10	Advanced Networking	D-203	Dr P K Singh	pk Singh	Research & Teaching
L-11	Electrical and Electronics (Basic)	E-002	Dr Anurag Srivastava	anurags	Teaching
L-12	Engineering Physics	E-003	Dr Pankaj Srivastava	pankajs	Teaching
L-13	Mathematical Modeling and Simulation	E-103	Dr Joydip Dhar	jdhar	Research & Teaching
L-14	Computational Nano Science and Technology	E-112	Dr P Srivastava & Dr A Srivastava	pankajs anurags	Research
L-15	Sponsored Project	E-203	Dr Anupam Shukla	anupam shukla	Research
L-16	Soft Computing & Expert System	E-211	Dr Anupam Shukla	anupam shukla	Research & Teaching
L-17	Enterprise Integration	-	-	-	Research & Teaching
L-18	Computational Intelligence and Data Mining Research	D-001	Dr P K Singh	pk Singh	Research
L-19	Linux Lab	A-213	-	-	Research
L-20	Information Security Lab	D-002	Dr K V Arya	kv arya	Research & Teaching

L-21	Wireless Sensor Network	A-116	Dr K K Pattanaik	k k patnaik	Research
L-22	Medical Informatics	D-002	Dr M Bhattacharya	mb	Research & Teaching
L-23	Behavioural Economics and Analytics laboratory	D-205	Dr Manoj Kr. Dash	manoj dash	Research & Consultancy
L-24	Robotics Lab	A-203	Dr W Wilfred Godfrey	godfrey	Research
L-25	Robotics and Intelligent System Design Lab	C-213	Dr Ritu Tiwari	ritu tiwari	Research
L-26	Thin Clinet Lab	A-213	Dr Ritu Tiwari	ritu tiwari	Research
L-27	Enterprise Integration Lab	D-104	Dr Manoj Patwardhan	manoj p	Research
L-28	Data Analysis Lab for Business Management and Social Science Research	C-210	Dr Naval Bajpai	n bajpai	Data Analysis

Ongoing Sponsored Projects of 2017-18

S. No.	Name of Project	P.I.	Sponsoring Agency
1	Multi Mobile Agent System based Train Operations under Moving Block	Dr K K Pattanaik	MCIT, DIT, New Delhi
2	Sociology of Social Network Sites	Dr Pradip Swarankar	ICSSR, New Delhi
3	IT Enabled Village Resource Center (GURVE)	Dr Anurag Srivastava	State Planning Commission, Bhopal
4	Speech Based Access of Agricultural Commodity Prices & Weather Information in 12 Indian Languages Dialects (ASR) Consortium - Phase II,	Prof Anupam Shukla	DeITY, MCIT, New Delhi
5	Multi Mobile Wireless Sensor Networks in Tracking & Surveillance,	Prof Anupam Shukla	DeITY, MCIT, New Delhi
6	Web enabled Electronic Personal Medicine Administrator for Elderly	Dr K K Pattanaik	DST, Seed Division, New Delhi
7	Ab-initio Investigation of Structural and Electronic properties of Zn(Cd)-VI Nanowires	Dr Anurag Srivastava	MST, DST, New Delhi
8	Ab-initio Investigation of Structural and Electronic and Optical properties of B(In)-V Nanowires	Dr Anurag Srivastava	DAE, BRNS, Mumbai
9	Exploitation and Conservation of Forestry Resources using Mathematical Models.	Ms Manisha Chaudhary Dr Joydeep Dhar	MST, DST, New Delhi
10	Identification of Person using Android Operating System	Dr Karmveer Arya	MST, DST, New Delhi
12	Ab-initio study of Mn-doped II-VI and III-V Semiconducting Nano wires	Dr Pankaj Srivastava	SERB, New Delhi

13	Interfacing Ad-hoc Mobile Networks with IP Mobile Systems	Prof Shashikala Tapaswi	UGC/UKIERI Funded Project
14	Vision Based Expert System Design for Cotton Plucking	Dr Mahua Bhattacharya	CSIR, New Delhi
15	To Study the Effect of Electromagnetic Radistion on Biological Cell /Tissues Blood cell using Non Invasive Imaging	Dr Mahua Bhattacharya	DST , New Delhi
16	Special Manpower Development Programme for Chips to System Design	Prof G K Sharma	DeITY/MCIT
17	Information Security : Education & Awareness Programme (ISEA) Phase - II	Prof Shashikala Tapaswi	DeITY New Delhi
20	Exploring the impact of food processing on the sustainability of the food supply chains: a UK, India Bilateral Analysis	Dr Gyan Prakash	DST/UKIERI Funded project, New Delhi
22	Complexity and its Control in Nonlinear Dynamical Systems	Dr Anuraj Singh	SERB, New Delhi
23	Theoretical Investigations of Hazardous gas Adsorption on AntiMonene Nanoribbons	Dr Pankaj Srivastava	SERB, New Delhi
24	Start-up Centre NewFangled	Prof Rajendra Sahu	MHRD, New Delhi
25	Establishing a Business Incubator for Promoting the Development and Growth of SMEs at Malawi Project	Prof Rajendra Sahu	MEA, NEW DELHI
26	Elder Abuse : A Comparative Study in Delhi , Mathura and Gwalior	Dr Naval Bajpai	ICSSR, New Delhi
27	Drivers of Technology Competence in R&D - Exploratory Studies & Analysis	Dr Gyan Prakash	DRDO-NPOL, Kochi
28	Wireless Sensor In Network Distributed Detection Mechanism for Structural Health Monitoring in Civil Structures	Dr K K Pattanaik	DST and MSTR (Srilanka)
29	Development of a Smart Monitoring System for Health and Oestrous of Dairy Cows in Remote Location	Dr Prasenjit Chanak	DST, New Delhi
30	Design and Performance Evaluation of 2D Materials in MOS Devices for Low Power VLSI Application	Dr Subhra Dhar	DST, New Delhi

Consultancy Projects

1	Establishing a Business Incubator for promoting the Development and Growth of SMEs at Malawi	Prof R Sahu	Ministry of External Affairs (MEA), New Delhi
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Publications/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 2017-18, ABV-IITM faculty members have published many books by world known publications detailed in the table below :

Books Published

S.No.	Authors	Title	Publisher	Year
1	Swarnakar, P, Zavestoski, S., and Pattnaik, B K	Bottom-up Approaches in Governance and Adaptation for Sustainable Development : Case Studies from India and Bangladesh.	Sage Publications, New Delhi	2017
2	R Sahu, Dash Manoj and Anil Kumar	Applying Predictive Analytics Within the Service Sector	IGI Global	2017
3	Anupam Shukla and Ritu Tiwari	Discrete problems in nature inspired algorithms	CRC Press	2017
4	Naval Bajpai	Business Research Methods (Second Edition)	Pearson Education	2017

In 2017-18, ABV-IITM faculty members have published many research papers. Few selected papers indexed in SCOPUS are presented here:

1. Adithya, S.S.R. & Singh, P.K. 2017, "Web authoriser tool to build assessments using Wikipedia articles", IEEE Region 10 Annual International Conference, Proceedings/TENCON, pp. 467.
2. Agarwal, A., Singh, D. & Agariya, A.K. 2017, "What Really Leads to Partner Relationship Management? A Review of Literature", Journal of Relationship Marketing, vol. 16, no. 4, pp. 245-285.
3. Agarwal, A., Singh, D. & Agrawal, G. 2017, "PRM index: A customer satisfaction enhancement tool for Indian automobile sector", International Journal of Management Practice, vol. 10, no. 1, pp. 49-74.
4. Agrawal, N. & Tapaswi, S. 2017, "Defence schemes for variants of distributed denial-of-service (DDoS) attacks in cloud computing: A survey", Information Security Journal, vol. 26, no. 2, pp. 61-73.
5. Agrawal, N. & Tapaswi, S. 2017, "The Performance Analysis of Honeypot Based Intrusion Detection System for Wireless Network", International Journal of Wireless Information Networks, vol. 24, no. 1, pp. 14-26.
6. Agrawal, P., Kumar, A. & Pattanaik, M. 2017, "Diode based multi mode MTCMOS 8T adder for wake up noise minimization in 90nm CMOS technology", 8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017.
7. Al-Baadani, F., Yousef, S., Al-Jabouri, L. & Bhart, S. 2017, "Standard deviation based weighted clustering algorithm for wireless sensor networks", 2016 8th Computer Science and Electronic Engineering Conference, CEEC 2016 - Conference Proceedings, pp. 164.
8. Ali, N. & Garg, B. 2017, New energy efficient reconfigurable FIR filter architecture and its VLSI implementation.
9. Anu, Sharma, A., Khan, M.S., Srivastava, A., Husain, M. & Khan, M.S. 2017, "High-Performance Single-Electron Transistor Based on Metal-Organic Complex of Thiophene: First Principle Study", IEEE Transactions on Electron Devices, vol. 64, no. 11, pp. 4628-4635.



10. Arefin, M.S., Rathore, C.P., Awad, N.K., Shukla, A. & Morsi, Y.S. 2017, "Ventricular assist device and its necessity for elderly population" in *Biomedical Engineering: Concepts, Methodologies, Tools, and Applications*, pp. 532-552.
11. Arya, K.V., Pathak, Y. & Tiwari, S. 2017, "Regularization Based Modified SART Iterative Method for CT Image Reconstruction", *Proceedings - 2016 9th International Conference on Developments in eSystems Engineering, DeSE 2016*, pp. 217.
12. Arya, L., Singh, U.P., Shukla, A. & Tiwari, R. 2017, "Acoustic modeling using state projection vectors of subspace Gaussian mixture model to train deep neural network on entropy maximized Hindi dataset", *2016 Conference of the Oriental Chapter of International Committee for Coordination and Standardization of Speech Databases and Assessment Techniques, O-COCOSDA 2016*, pp. 51.
13. Bansal, J.C., Jadon, S.S., Tiwari, R., Kiran, D. & Panigrahi, B.K. 2017, "Optimal power flow using artificial bee colony algorithm with global and local neighborhoods", *International Journal of Systems Assurance Engineering and Management*, vol. 8, pp. 2158-2169.
14. Bhadoria, A., Chaturvedi, M., Mahor, V. & Pattanaik, M. 2017, "Low stand-by power and process variation tolerant FinFET based SRAM cell", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 268.
15. Bhatia, M. & Srivastava, A. 2017, "Bandgap and magnetic moment of Ga_{1-x}Cr_xN", *AIP Conference Proceedings*.
16. Bhushan, B.S., Srivastava, A., Bhadouria, J., Bhatia, R. & Mishra, P. 2017, "Aromaticity influence on electron transport of molecular single electron transistor: DFT investigation", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 113.
17. Chandiramouli, R., Srivastava, A. & Nagarajan, V. 2017, "First-Principles Insights of CO Adsorption Characteristics on Ge and In Substituted Silicene Nanosheet", *Silicon*, vol. 9, no. 3, pp. 327-337.
18. Chattaraj, A., Das, A. & Bhattacharya, M. 2017, "Mammographic image segmentation by marker controlled watershed algorithm", *Proceedings - 2017 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2017*, pp. 1000.
19. Chaturvedi, M., Bhadoria, A., Mahor, V. & Pattanaik, M. 2017, "FinFET-Based low power address decoder under process variation", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 274.
20. Chaudhary, M. & Pathak, R. 2017, "A dynamical approach to the legal and illegal logging of forestry population and conservation using taxation", *Advances in Difference Equations*, vol. 2017, no. 1.
21. Chaudhry, R. & Tapaswi, S. 2017, "Game theoretic energy aware power management in Mobile Ad hoc Networks", *2017 4th International Conference on Signal Processing and Integrated Networks, SPIN 2017*, pp. 38.
22. Chauhan, S.S., Sharma, G. & Srivastava, P. 2017, "Oxygen doped armchair graphene nanoribbons with tunable electronic properties-insight from density functional calculations", *Journal of Computational and Theoretical Nanoscience*, vol. 14, no. 5, pp. 2397-2400.
23. Chopra, C., Sinha, S., Jaroli, S., Shukla, A. & Maheshwari, S. 2017, "Recurrent neural networks with non-sequential data to predict hospital readmission of diabetic patients", *ACM International Conference Proceeding Series*, pp. 18.
24. Dandeliya, S., Khan, M.S. & Srivastava, A. 2017, "Ni-CNT as isopropanol sensor: Ab-initio analysis", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 29.

25. Das, A. & Bhattacharya, M. 2017, "Study on neurodegeneration at different stages using MR images: computational approach to registration process with optimisation techniques", *Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization*, vol. 5, no. 3, pp. 165-182.
26. Daultani, Y., Goswami, M., Vaidya, O.S. & Kumar, S. 2017, "Inclusive risk modeling for manufacturing firms: a Bayesian network approach", *Journal of Intelligent Manufacturing*, , pp. 1-15.
27. Deb, S., Deb, S. & Das, B. 2017, "Numerical simulation of sediment dynamics in the Hooghly Estuary", *International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 3603.
28. Dewangan, R.K., Shukla, A. & Godfrey, W.W. 2017, "Survey on prioritized multi robot path planning", *2017 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials, ICSTM 2017 - Proceedings*, pp. 423.
29. Dhar, J. & Gandhi, V. 2017, "Content development using N-gram model in custom writing style", *2016 International Conference on Information Technology, InCITe 2016 - The Next Generation IT Summit on the Theme - Internet of Things: Connect your Worlds*, pp. 271.
30. Fakrudeen, M., Yousef, S., Tapaswi, S., Patnaik, K.K. & Cole, M. 2017, "Voice performance analysis using voice codec by packet fragmentation and contention free periods in wireless networks", *International Journal of Systems Assurance Engineering and Management*, vol. 8, pp. 758-764.
31. Garg, B., Goteti, V.N.S.K.C. & Sharma, G.K. 2017, "A low-cost energy efficient image scaling processor for multimedia applications", *2016 20th International Symposium on VLSI Design and Test, VDAT 2016*.
32. Garg, B. & Sharma, G.K. 2017, "ACM: An Energy-Efficient Accuracy Configurable Multiplier for Error-Resilient Applications", *Journal of Electronic Testing: Theory and Applications (JETTA)*, vol. 33, no. 4, pp. 479-489.
33. Garg, B., Yadav, S. & Sharma, G.K. 2017, "An area and performance aware ECG encoder design for wireless healthcare services", *2016 20th International Symposium on VLSI Design and Test, VDAT 2016*.
34. Goswami, M., Daultani, Y. & Tiwari, M.K. 2017, "An integrated framework for product line design for modular products: product attribute and functionality-driven perspective", *International Journal of Production Research*, vol. 55, no. 13, pp. 3862-3885.
35. Gupta, A., Budania, H., Singh, P. & Singh, P.K. 2017, "Facebook based choice filtering", *Proceedings - 7th IEEE International Advanced Computing Conference, IACC 2017*, pp. 875.
36. Gupta, V., Trivedi, A. & Godfrey, W. 2017, "Enhancing structure learning of markov network using alternating decision trees", *Proceedings - 7th IEEE International Advanced Computing Conference, IACC 2017*, pp. 904.
37. Jadon, S.S., Tiwari, R., Sharma, H. & Bansal, J.C. 2017, "Hybrid Artificial Bee Colony algorithm with Differential Evolution", *Applied Soft Computing Journal*, vol. 58, pp. 11-24.
38. Jain, P., Vyas, V. & Roy, A. 2017, "Exploring the mediating role of intellectual capital and competitive advantage on the relation between CSR and financial performance in SMEs", *Social Responsibility Journal*, vol. 13, no. 1, pp. 1-23.
39. Jaiswal, N.K., Kumar, A., Tyagi, N. & Srivastava, P. 2017, "Electronic properties and migration pathways of Cl functionalized zigzag graphene nanoribbons", *AIP Conference Proceedings*.
40. Jaiswal, N.K., Tyagi, N., Kumar, A. & Srivastava, P. 2017, "Inducing half-metallicity with enhanced stability in zigzag graphene nanoribbons via fluorine passivation", *Applied Surface Science*, vol. 396, pp. 471-479.
41. Janghel, R.R., Shukla, A., Rathore, C.P., Verma, K. & Rathore, S. 2017, "A comparison of soft computing models for Parkinson's disease diagnosis using voice and gait features", *Network Modeling Analysis in Health Informatics and Bioinformatics*, vol. 6, no. 1.

42. Kabra, G., Ramesh, A., Akhtar, P. & Dash, M.K. 2017, "Understanding behavioural intention to use information technology: Insights from humanitarian practitioners", *Telematics and Informatics*, vol. 34, no. 7, pp. 1250-1261.
43. Kashyap, M. & Bhattacharya, M. 2017, "A density invariant approach to clustering", *Neural Computing and Applications*, vol. 28, no. 7, pp. 1695-1713.
44. Khan, M.S., Ratn, R. & Srivastava, A. 2017, "Electronic and structural investigation of buckled antimonene using density functional theory calculation", *Pramana - Journal of Physics*, vol. 89, no. 1.
45. Khan, M.S. & Srivastava, A. 2017, "Geometry dependent structural and electronic properties of CdS nanowires: An ab-initio study", *Superlattices and Microstructures*, vol. 101, pp. 306-314.
46. Kishor, A., Chandra, M. & Singh, P.K. 2017, An astute artificial bee colony algorithm.
47. Korukonda, M.P., Mishra, S.R., Shukla, A. & Behera, L. 2017, "Improving microgrid voltage stability through cyber-physical control", 2016 National Power Systems Conference, NPSC 2016.
48. Kulshreshtha, K., Tripathi, V. & Bajpai, N. 2017, "Impact of Brand Cues on Young Consumers' Preference for Mobile Phones: A Conjoint Analysis and Simulation Modelling", *Journal of Creative Communications*, vol. 12, no. 3, pp. 205-222.
49. Kulshreshtha, K., Tripathi, V., Bajpai, N. & Dubey, P. 2017, "Discriminating market segments using preferential green shift: a conjoint approach", *Foresight*, vol. 19, no. 4, pp. 386-408.
50. Kumar, A. & Dash, M.K. 2017, "Using Fuzzy Delphi and Generalized Fuzzy TOPSIS to Evaluate Technological Service Flexibility Dimensions of Internet Malls", *Global Journal of Flexible Systems Management*, vol. 18, no. 2, pp. 153-161.
51. Kumar, A., Dash, M.K. & Seharawat, R. 2017, "Using entropy and AHP-TOPSIS for comprehensive evaluation of internet shopping malls and solution optimality", *International Journal of Business Excellence*, vol. 11, no. 4, pp. 487-504.
52. Kumar, A., Kabra, G., Mussada, E.K., Dash, M.K. & Rana, P.S. 2017, "Combined artificial bee colony algorithm and machine learning techniques for prediction of online consumer repurchase intention", *Neural Computing and Applications*, , pp. 1-14.
53. Kumar, M., Puri, N.K., Tyagi, N. & Srivastava, P. 2017, "Band gap engineering of armchair graphene nanoribbons via Mn/Cr termination", *Journal of Computational and Theoretical Nanoscience*, vol. 14, no. 5, pp. 2401-2404.
54. Kumar, N. & Vidyarthi, D.P. 2017, "A GA based energy aware scheduler for DVFS enabled multicore systems", *Computing*, vol. 99, no. 10, pp. 955-977.
55. Kumar, N. & Vidyarthi, D.P. 2017, "An Energy Aware Cost Effective Scheduling Framework for Heterogeneous Cluster System", *Future Generation Computer Systems*, vol. 71, pp. 73-88.
56. Kumar, V., Mahor, V. & Pattanaik, M. 2017, "Novel ultra low leakage FinFET based SRAM cell", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 89.
57. Kumar, V. & Trivedi, A. 2017, "Capacity improvement for VoIP based two-tier CRN using space-time spectrum sensing", *Proceedings - 2016 3rd International Conference on Advances in Computing, Communication and Engineering, ICACCE 2016*, pp. 153.
58. Kumari, B., Maurya, A., Pattanaik, M. & Sharma, G.K. 2017, "An efficient algebraic codebook structure for CS-ACELP based speech codecs", *8th International Conference on Computing, Communications and Networking Technologies, ICCCNT 2017*.

59. Kushwah, R., Tapaswi, S. & Kumar, A. 2017, "Modeling of an Efficient Integration of MANET and Internet Using Queuing Theory", *Wireless Personal Communications*, vol. 95, no. 3, pp. 3253-3270.
60. Mahata, A., Saini, N., Saharawat, S. & Tiwari, R. 2017, Intelligent movie recommender system using machine learning.
61. Manjhi, Y. & Dhar, J. 2017, "Forecasting energy consumption using particle swarm optimization and gravitational search algorithm", *Proceedings of 2016 International Conference on Advanced Communication Control and Computing Technologies, ICACCCT 2016*, pp. 417.
62. Mishra, A., Anand, P. & Shukla, A. 2017, "Convergence analysis of the ternary crossover operator", *Journal of Engineering and Applied Sciences*, vol. 12, no. Specialissue2, pp. 6143-6147.
63. Mishra, A. & Shukla, A. 2017, "Analysis of the effect of elite count on the behavior of genetic algorithms: A perspective", *Proceedings - 7th IEEE International Advanced Computing Conference, IACC 2017*, pp. 835.
64. Mishra, A. & Shukla, A. 2017, "Mathematical analysis of the cumulative effect of novel ternary crossover operator and mutation on probability of survival of a schema", *Theoretical Computer Science*, vol. 666, pp. 1-11.
65. Mishra, M.K., Trivedi, A. & Pattanaik, K.K. 2017, "An Analytical Model for LoS Probability and Area Transport Efficiency of Millimeter Wave Cellular Network", *Wireless Personal Communications*, vol. 97, no. 2, pp. 2383-2398.
66. Mishra, S. & Trivedi, A. 2017, "Performance Study of MIMO Transmissions with Joint Channel Allocation and Relay Assignment", *Wireless Personal Communications*, vol. 96, no. 2, pp. 2651-2665.
67. Mohanty, S.P., Srivastava, A. & Sharma, G.K. 2017, "Message from the General Chairs", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, , pp. xi-xii.
68. Mondal, A., Behera, L., Sahoo, S.R. & Shukla, A. 2017, "A novel multi-agent formation control law with collision avoidance", *IEEE/CAA Journal of Automatica Sinica*, vol. 4, no. 3, pp. 558-568.
69. Mushtaque, M., AVECILLA, F., Hafeez, Z.B., Jahan, M., Khan, M.S., Rizvi, M.M.A., Khan, M.S., Srivastava, A., Mallik, A. & Verma, S. 2017, "Synthesis, stereochemistry determination, pharmacological studies and quantum chemical analyses of bithiazolidinone derivative", *Journal of Molecular Structure*, vol. 1127, pp. 99-113.
70. Mushtaque, M., AVECILLA, F., Haque, A., Perwez, A., Khan, M.S. & Rizvi, M.M.A. 2017, "Experimental and theoretical studies of a pyrazole-thiazolidin-2,4-di-one hybrid", *Journal of Molecular Structure*, vol. 1141, pp. 417-427.
71. Mushtaque, M., AVECILLA, F., Khan, M.S., Hafeez, Z.B., Rezvi, M.M.A. & Srivastava, A. 2017, "Synthesis, characterization, cytotoxicity, cell cycle analysis of 3-(4-methoxyphenyl)-1-(pyridin-2-ylmethyl)thiourea and quantum chemical analyses", *Journal of Molecular Structure*, vol. 1141, pp. 119-132.
72. Nagar, S., Rajput, S.S., Gupta, A.K. & Trivedi, M.C. 2017, "Secure routing against DDoS attack in wireless sensor network", *3rd IEEE International Conference on*.
73. Nagaraju, S., Kashyap, M. & Bhattacharya, M. 2017, "An effective density based approach to detect complex data clusters using notion of neighborhood difference", *International Journal of Automation and Computing*, vol. 14, no. 1, pp. 57-67.
74. Pandey, P., Shukla, A. & Tiwari, R. 2017, "Aerial path planning using meta-heuristics: A survey", *Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017*.
75. Parashar, S. & Srivastava, P. 2017, "Modeling of asymmetric biphenyl molecular devices using palladium electrodes", *Journal of Computational and Theoretical Nanoscience*, vol. 14, no. 5, pp. 2345-2348.

76. Podili, P., Pattanaik, K.K. & Rana, P.S. 2017, "BAT and Hybrid BAT Meta-Heuristic for Quality of Service-Based Web Service Selection", *Journal of Intelligent Systems*, vol. 26, no. 1, pp. 123-137.
77. Prakash, J. & Singh, P.K. 2017, "Gravitational search algorithm and K-means for simultaneous feature selection and data clustering: a multi-objective approach", *Soft Computing*, , pp. 1-18.
78. Rajawat, A., Pandey, M.K. & Rajput, S.S. 2017, "Low resolution face recognition techniques: A survey", 3rd IEEE International Conference on.
79. Rathor, V.S., Garg, B. & Sharma, G.K. 2017, "New Light Weight Threshold Voltage Defined Camouflaged Gates for Trustworthy Designs", *Journal of Electronic Testing: Theory and Applications (JETTA)*, vol. 33, no. 5, pp. 657-668.
80. Reddy, Y.S. & Pattanaik, K.K. 2017, "A reply cache mechanism to reduce query latency of WSN in IoT sensory environment", *Proceedings - 2016 IEEE International Symposium on Nanoelectronic and Information Systems, iNIS 2016*, pp. 38.
81. Reena, K.M., Yadav, S.K., Bajaj, N.K. & Singh, V. 2017, "Security implementation in cloud computing using user behaviour profiling and decoy technology", *Proceedings of the International Conference on Inventive Communication and Computational Technologies, ICICCT 2017*, pp. 471.
82. Saicharan, B., Tiwari, R. & Roberts, N. 2017, "Multi Objective optimization based Path Planning in robotics using nature inspired algorithms: A survey", 1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2016.
83. Santhibhushan, B., Soni, M. & Srivastava, A. 2017, "Optical properties of boron-group (V) hexagonal nanowires: DFT investigation", *Pramana - Journal of Physics*, vol. 89, no. 1.
84. Sekhar, C., Patwardhan, M. & Vyas, V. 2017, "Causal modelling between Human Capital and firm performance indicators: An IT industries' perspective", *International Journal of Learning and Intellectual Capital*, vol. 14, no. 3, pp. 277-294.
85. Sekhar, C., Patwardhan, M. & Vyas, V. 2017, "Causal modelling of HR flexibility and firm performance in Indian IT industries", *Journal of Modelling in Management*, vol. 12, no. 4, pp. 631-651.
86. Sekhar, C., Patwardhan, M. & Vyas, V. 2017, "Developing a curriculum for entrepreneurship education: Prioritizing the content using topsis method" in *Entrepreneurship Education: Experiments with Curriculum, Pedagogy and Target Groups*, pp. 85-102.
87. Sekhar, C., Patwardhan, M. & Vyas, V. 2017, "Evolution of futuristic organisation with human capital management: A perspective", *International Journal of Business Performance Management*, vol. 18, no. 4, pp. 459-475.
88. Sekhar, C., Patwardhan, M. & Vyas, V. 2017, "Study of Intellectual Capital Dimensions in IT Industry Using DEMATEL Method", *Journal of Information and Knowledge Management*, vol. 16, no. 3.
89. Shanker, R., Singh, R. & Bhattacharya, M. 2017, "Segmentation of tumor and edema based on K-mean clustering and hierarchical centroid shape descriptor", *Proceedings - 2017 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2017*, pp. 1105.
90. Sharma, A., Shukla, A., Tiwari, R. & Mishra, A. 2017, "Mortality prediction of ICU patients using machine learning: A survey", *ACM International Conference Proceeding Series*, pp. 49.
91. Sharma, M., Singh, R. & Bhattacharya, M. 2017, "Classification of breast tumors as benign and malignant using textural feature descriptor", *Proceedings - 2017 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2017*, pp. 1110.
92. Sharma, V., Srivastava, P. & Jaiswal, N.K. 2017, "Prospects of asymmetrically H-terminated zigzag germanene nanoribbons for spintronic application", *Applied Surface Science*, vol. 396, pp. 1352-1359.

93. Shrivastava, P., Shukla, A., Vepakomma, P., Bhansali, N. & Verma, K. 2017, "A survey of nature-inspired algorithms for feature selection to identify Parkinson's disease", *Computer methods and programs in biomedicine*, vol. 139, pp. 171-179.
94. Shukla, A. & Tiwari, R. 2017, "Discrete problems in nature inspired algorithms" in *Discrete Problems in Nature Inspired Algorithms*, pp. 1-310.
95. Singh, P.K., Vivek, K.S. & Kodimala, S. 2017, "Stylometric analysis of E-mail content for author identification", *ACM International Conference Proceeding Series*.
96. Singh, R., Agarwal, P. & Bhattacharya, M. 2017, "MR brain tumor detection employing Laplacian Eigen maps and kernel support vector machine", *Proceedings - 2016 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2016*, pp. 827.
97. Singh, S., Mathur, A., Das, S., Sinha, P. & Singh, V. 2017, "Development of Smart PublicTransport System by Converting the Existing Conventional Vehicles to EV's in Indian Smart Cities", *SAE Technical Papers*, vol. Part F129886, no. September.
98. Singh, V. & Agrawal, A. 2017, "Impact of business environment on balancing innovation process in Indian SMEs", *International Journal of Business Innovation and Research*, vol. 12, no. 2, pp. 224-239.
99. Singh, V., Sharma, R.R.K., Papadopoulos, T. & Dubey, R. 2017, "Differences in information system for exploratory and exploitative processes of innovation and UDR/USR type of innovators", *International Journal of Business Information Systems*, vol. 25, no. 3, pp. 352-372.
100. Singh, V., Vyas, V. & Jadon, S.S. 2017, "Role of technology in brand management of Indian SMEs: An exploratory study", *World Review of Science, Technology and Sustainable Development*, vol. 13, no. 2, pp. 174-191.
101. Soni, U., Trivedi, A. & Roberts, N. 2017, "Real-Time hand tracking using integrated optical flow and CAMshift algorithm", *Proceedings - 2016 2nd IEEE International Conference on Research in Computational Intelligence and Communication Networks, ICRCICN 2016*, pp. 135.
102. Srivastava, A., Tewari, H.S. & Praveen, C.S. 2017, "Preface", *Pramana - Journal of Physics*, vol. 89, no. 1.
103. Srivastava, R., Shahzad Khan, M., Shrivastava, S. & Srivastava, A. 2017, "Electron transport in HBr adsorbed boron doped carbon nanotube", *Chemical Physics Letters*, vol. 667, pp. 199-205.
104. Swami, P., Mishra, M.K. & Trivedi, A. 2017, "Analysis of downlink power control and cooperation scheme for two-tier heterogeneous cellular network", *International Journal of Communication Systems*, vol. 30, no. 13.
105. Swarnakar, P., Kumar, A. & Tyagi, H. 2017, "Network dynamics in friend recommendation: A study of Indian engineering students", *International Journal of Information Technology and Management*, vol. 16, no. 3, pp. 287-300.
106. Tiwari, S., Srivastava, R. & Arya, K.V. 2017, A nonlinear modified CONVEF-AD based approach for low-dose sinogram restoration.
107. Tyagi, N., Jaiswal, N.K., Jha, K.K., Sharma, V. & Srivastava, P. 2017, "Structural, magnetic and electronic properties of armchair graphene nanoribbons interacting with Co: DFT investigations", *Ferroelectrics*, vol. 519, no. 1, pp. 178-186.
108. Tyagi, N., Jaiswal, N.K., Kova?evi?, G. & Srivastava, P. 2017, "On the evolution and electronic properties of self-assembled gold nanowires", *Computational Materials Science*, vol. 130, pp. 222-231.
109. Tyagi, N., Jaiswal, N.K., Sharma, V., Jha, K.K. & Srivastava, P. 2017, "Intrinsic half metallicity in lithium terminated zigzag graphene nanoribbons", *Solid State Communications*, vol. 250, pp. 112-118.
110. Verma, A. & Pattanaik, K.K. 2017, "Routing protocols in opportunistic networks" in *Opportunistic Networking: Vehicular, D2D and Cognitive Radio Networks*, pp. 123-166.

111. Ylä-Anttila, T. & Swarnakar, P. 2017, "Crowding-in: how Indian civil society organizations began mobilizing around climate change", *British Journal of Sociology*, vol. 68, no. 2, pp. 273-292.
112. Yousef, S., Albonda, H., Tapaswi, S., Cole, M. & Deshmukh, S. 2017, "The impact of mobility and node capacity on voice traffic", *International Journal of Systems Assurance Engineering and Management*, vol. 8, pp. 1374-1382.
113. A. Sengupta, S. Bhadauria and S. P. Mohanty, TL-HLS: Methodology for Low Cost Hardware Trojan Security Aware Scheduling with Optimal Loop Unrolling Factor during High Level Synthesis, *IEEE Transactions on Computer Aided Design of Integrated Circuits & Systems (TCAD)*, Apr-17
114. Sadhana Mishra, Aditya Trivedi, "Performance Study of an Improved Resource Allocation Scheme with Full-Duplex Relaying," *Springer's Wireless Personal Communications*, vol. 98, no. 3, February 2018, pp. 2819-2836. DOI: 10.1007/s11277-017-5002-9, (IF: 1.20).
115. Shweta Rajoria, Aditya Trivedi, W. Godfrey, "A comprehensive survey: Small cell meets massive MIMO," *Elsevier's Physical Communication*, vol. 26, February 2018, pp. 40-49. DOI: 10.1016/j.phycom.2017.11.004, (IF: 1.522).
116. Rajput, Amit Singh, Manisha Pattanaik, and R. K. Tiwari. "Estimation of Static Noise Margin by Butterfly Method Using Curve-Fitting Technique." *Journal of Active & Passive Electronic Devices*, Volume 13, No.1, pp.1-9, ISSN: 1555-029X, 2018.
117. Dutta, Umesh, M. K. Soni, and Manisha Pattanaik. "Design and Analysis of Tunnel FET for Low Power High Performance Applications." *International Journal of Modern Education and Computer Science*, Volume 10, No.1, pp.65-73, ISSN: 2075-017X, 2018.



Faculty Members on Various Editorial Boards of Journals and Outreach Activities/Lecture Series for the year 2017-18

Faculty Name	Title of Lecture/ Lectures Series & Date, Place and Programme where Lectures Delivered
Dr Aditya Trivedi	Editor in Springer's conference 'Advances in Signal Processing and Communication - Select proceedings of ICSC 2018' 21 -23.03. 2018, Jaypee Institute of Information Technology, NOIDA, UP
Dr Pankaj Srivastava	<ul style="list-style-type: none"> • LIFE MEMBER-Indian Association of Physics Teachers (IAPT)-Kanpur (11407-L-7502)- 2018. • PROJECT REVIEWER- Swiss National Science Foundation (SINF), Switzerland (2017-18). • REGULAR MEMBER- American Physical Society (APS) USA, (2017-18). • Participated in SMDP-C2SD 3rdZOPP (Objective Orientated Project Planning) workshop on 27- 28.10.2017 at IIT Guwahati. • Judge-DRDE Science Exhibition-2017 (25 Nov. 2017), DRDE, Gwalior • Coordinator- Product launch of "Auto-dimmer device" at ABV-IITM, Gwalior, 28.09.2017. • Session Chair- IEEE-ICCIT-2017, 01-03.11.2017, ABV-IITM, Gwalior • LIFE MEMBER- The Indian Physical Society, Kolkata (LM-1115)- July 2017. • Reviewer, Physical Chemistry, Chemical Physics (PCCP), RSC Publishing (2017). • Reviewer of Journal of Electronic Materials, Elsevier (2017) • Reviewer of Journal of Physical Chemistry, RSC Publishing (2017-18) • Reviewer of Applied Surface Science, Elsevier (2017-18) • Reviewer of Journal of Material Chemistry B, RSC Publishing (2017-18) • Reviewer of IEEE_TNANO (2017-18)
Dr K K Pattanaik	<ul style="list-style-type: none"> • IEEE SENSORS in 2018
Dr Naval Bajpai	<ul style="list-style-type: none"> • Member, Editorial Panel, SDMIMD journal of Management, Mysore India • Member, Editorial Review Board of Amity Journal of Management Research, Noida • Reviewer, Pearson Education • Reviewer, British Journal of Economics, Management and Trade (www.sciencedomain.org) • Reviewer, Journal of Product and Brand Management (Emerald Publishing) • Reviewer, Sage Publication
Dr Yash Daultani	<ul style="list-style-type: none"> • Reviewer of International Journal of Production Research publisher Taylor & Francis since 2014 • Reviewer of Journal of Intelligent Manufacturing publisher Springer Since 2014 • Reviewer of Computers & Industrial Engineering publisher Elsevier since 2014 • Reviewer of Information Sciences publisher Elsevier since 2015 • Reviewer of Global Business Review publisher Sage since 2015 • Reviewer of Sadhana publisher Springer since 2015
Dr Anuraj Singh	<ul style="list-style-type: none"> • A new computational approach to identify essential genes in bacterial organisms using machine learning, Computational Intelligence: Theories, Applications and Future Directions-I, Springer, 798, 67-79, 2018.
	<ul style="list-style-type: none"> • Classification of Hand Movement Stages for Brain Computer Interface Using Convolutional Neural Network, Computational Intelligence: Theories, Applications and Future Directions-II, Springer, 189-199, 799, 2018.

Ph D Thesis Report Awarded during the year April 2017 - March 2018

S.No.	Thesis Title	Author	Supervisor(s)	Year
1.	Data Clustering Using Nature-inspired Algorithms: A Single and Multi-objective Perspective	Jay Prakash	Dr P K Singh	2017
2.	Development and Validation of Structured Model for Rainfall Prediction: A Case of Indian Sub-Continent	B. Athiyaman	Prof Rajendra Sahu	2017
3.	Medial Image Registration by Locating Reliable Landmarks and Constructing Robust Region Descriptors	Manish Kashyap	Dr Mahua Bhattacharya	2017
4.	Energy Efficient Accuracy aware VLSI Architectures for Image Processing Applications using Approximate Computing	Bharat Garg	Prof G K Sharma	2017
5.	Issues in Energy Aware Server Consolidation Schemes in Cloud Computing	Nisha Chaurasia	Prof Shashikala Tapaswi and Dr Joydip Dhar	2017
6.	Performance Study of Cooperative Communication Techniques for Cognitive Radio Networks	Sadhana Mishra	Prof Aditya Trivedi	2017
7.	Anti-Nuclear Energy Movement in India: An Exploratory Study of the Establishment of Civil Nuclear Power in Koodankulam, India	N.Naphtalin Prabu	Dr Pradip Swarnakar	2017
8.	Variation Tolerant Robust Domino Circuits for FinFET Processors	Vikas Mahor	Dr Manisha Pattanaik	2017
9.	Performance Study of Spectral and Energy Efficient Heterogeneous Cellular Networks	Muksh Mishra	Prof Aditya Trivedi & Dr K K Pattanaik	2018



PG Thesis Reports of Pass-Out students during the year April 2017 - March 2018

[A] MBA Thesis Report (Including IPG)

S.No.	Title	Authour	Guidance	Year	Code
1	Risk and Resilience in food supply chain	Anshumeek Upreti	Dr Gyan Prakash	2017	2015MBA02
2	Issues faced by urban working women	Malika Singh	Dr Manoj Patwardhan	2017	2015MBA05
3	Identifying the factors of environmental sustainability in food service supply chain	Neeraj Kumar Phookan	Dr Gyan Prakash	2017	2015MBA09
4	Non-Performing Assets In Indian Banking System With Special Reference To Msme Sector	Rituraj Neog	Dr Gaurav Agarwal	2017	2015MBA10
5	An impact assessment of goods and services tax:A case of india	Fatehyaab Alam	Prof Rajendra Sahu and Dr Manoj Kumar Dash	2017	2015MBA13
6	Retention of employees in the IT sector	Palak Anand	Dr Manoj Patwardhan	2017	2015MBA14
7	Supply chain performance measurement	Subham Biswas	Prof Rajendra Sahu	2017	2015MBA015
8	Dependence pattern among asian countries: A copula based approach	Aakash Khandelwal	Dr Vishal Vyas	2017	2012IPG001
9	Valuation of human capital : A case of IT industry	Anshika Singh	Dr Manoj Patwardhan & Prof Rajendra Sahu	2017	2012IPG017
10	Digital financial inclusion : A case study of Gwalior	Arun Pant	Dr Gaurav Agrawal	2017	2012IPG019
11	Volatility behavior of stock market in brick countries	Dilkhush Meena	Dr Vishal Vyas	2017	2012IPG029
12	Customer Switching Behavior in the Indian Retail Banking Industry	Divyam Pandey	Dr M Patwardhan Dr N Bajpai	2017	2012IPG030
13	Analysis of factors influencing the intension to use digital payment an empirical study	Gaurav Sundaram	Prof Rajendra Sahu and Dr Manoj Dash	2017	2012IPG035
14	A Descriptive Study of Factors and Challenges Influencing Warehouse Location and design Decision among Large Scale Manufacturing Firms	Himanshu Meena	Dr Vinay Singh	2017	2012IPG043

15	An empirical study on consumer adoption of mobile payments in Gwalior city	Manish Kumar	Prof Rajendra Sahu and Dr Manoj Dash	2017	2012IPG056
16	Risk management in agriculture supply chain	Naveen Meena	Dr Gyan Prakash	2017	2012IPG063
17	Determinants of corporate social responsibility in indian listed firms	Patil Pratik Jagannath	Dr Gaurav Agrawal	2017	2012IPG069
18	Customer reviews analysis using twitter and E-commerce site	Rohit Nimiya	Dr Pradip Swarnakar	2017	2012IPG078
19	Impact of social media on young consumer behaviour	Shashi Kant	Dr Pradip Swarnakar	2017	2012IPG081
20	Analysis of growth of Patanjali and consumer buying behaviour	Sajal Singh	Dr. Manoj Das and Prof Rajendra Sahu	2017	2012IPG10
21	Comparative analysis of mutual funds in India	Pradhan Meena	Dr Naval Bajpai	2017	2012IPG124
22	An analytical study on consumer behavior towards the FMCG products among the rural India	Satish kumar	Dr Pradip Swarnakar	2017	2012IPG126

[B] M Tech Thesis (Including IPG)

S.No.	Title	Authour	Guidance	Year	Code
1	Recommendation of Sequential Intervention Plans for NGO	Abhinav Chaturvedi	Dr W Wilfred Godfrey	2017	2012IPG002
2	A Multi-Objective Optimization Method for Efficient Placement Of Virtual Machines in Cloud Computing	Abhishek Ranjan	Prof Shashikala Tapaswi	2017	2012IPG003
3	Machine Learning Approach For Android Malware Detection using Static and Dynamic Analysis	Adarsh Agrawal	Prof Rajendra Sahu	2017	2012IPG004
4	Sanskrit Parts Of Speech (POS) Tagging Using Unsupervised Singular Value Decomposition-2 (SVD2) Approach	Aditi Tayal	Dr Joydip Dhar & Dr Pradip Swarnakar	2017	2012IPG005



5	Adaptive Firefly Algorithm for Vehicle Routing Problem with Time Windows	Aditya Dixit	Prof Anupam Shukla & Dr Pankaj Shrivastava	2017	2012IPG006
6	Virtual Try-On System for clothes	Akshay Agarwal	Prof Rajendra Sahu	2017	2012IPG007
7	Mortality Prediction of ICU Patients using Deep Learning Techniques	Alok Sharma	Prof Anupam Shukla & Dr Ritu Tiwari	2017	2012IPG008
8	Developing Unified Framework for Recommendation in Heterogeneous Environment	Amit Kumar Nishad	Dr Vinay Singh	2017	2012IPG010
9	Application of Deep Learning for Automatic Image Caption Generation	Amit Kumar	Prof Rajendra Sahu	2017	2012IPG011
10	Genetic Algorithm for Reducing Energy Consumption and Completion Time in Cloud Computing Environment	Ankit	Prof Shashikala Tapaswi	2017	2012IPG014
11	Face Recognition Using Machine Learning Approaches	Ankur Singh	Dr K V Arya	2017	2012IPG015
12	Real Time Prediction of Pollutants in Air Using Machine Learning	Annu Sachan	Prof Anupam Shukla	2017	2012IPG016
13	Comparative Analysis of Artificial Neural Network Models for Speech Recognition	Anupriya Kumawat	Prof Anupam Shukla & Dr Mahua Bhattacharya	2017	2012IPG018
14	Service Industry Quality Analysis using NLP	Ayush Agrawal	Dr Vinay Singh	2017	2012IPG020
15	Mining for Irrelevant Data in MOOC Discussion Forums	Prasanth Bhukya	Prof Rajendra Sahu	2017	2012IPG021
16	Expert System for detection of Leaf diseases in Guava Plant	Bajrang Singh Rathore	Dr Vinay Singh	2017	2012IPG022
17	Scalable Browser Extension to Prevent JavaScript Code Injection Attack	Avinash Bondapalli	Dr Vinay Singh	2017	2012IPG023
18	Identifying Risk of Progression for Diabetic Patients Using Ensemble Learning	Charulata Genva	Dr Vinay Singh	2017	2012IPG024

19	Automatic Tagging using Multi-Label Classification System	D Harish Reddy	Prof Rajendra Sahu	2017	2012IPG025
20	A Novel Approach to Improve The Performance of Phone Crowd sourcing Application	Darshan Vaishnav Vairagi	Dr W. Wilfred Godfrey	2017	2012IPG026
21	Twitter Opinion Mining Using Sentiment Analysis	Dazy Kumari	Prof Anupam Shukla	2017	2012IPG027
22	A Secure Computationally Efficient Shared Access Control Scheme(s) in Network Systems	D.Anil SaiKrishna	Prof Aditya Trivedi & Dr Wilfred Godfrey	2017	2012IPG028
23	Content Development in user's writing Style Using Spell Corrector, Spinner and Article Translator	Durgesh Kumar Soni	Dr Joydip Dhar	2017	2012IPG032
24	Demonetization Sentiment Analysis using Deep Convolution Neural Network and Voters Classifier	Faiz Malik	Dr Ajay Kumar & Dr Vinay Singh	2017	2012IPG033
25	Reducing Network Latency using Adaptive Caching	Gattu Suryateja	Prof Aditya Trivedi & Dr W Wilfred Godfrey	2017	2012IPG034
26	Activity Recognition in Videos using CNNs	Sarmada Ginpupalli	Prof Rajendra Sahu & Dr Vinay Singh	2017	2012IPG036
27	News Article Recommendation Using Singular Value Decomposition and Enhanced Projection	Harpreet Singh	Prof Rajendr Sahu	2017	2012IPG037
28	Natural Language Inference using Deep Learning Approaches	Harshit Laddha	Prof Anupam Shukla & Dr Pankaj Srivastava	2017	2012IPG038
29	Gaze Detection Using Generic Hough Transform and Machine Learning Techniques	Harsh Kumar Singh	Prof Rajendra Sahu	2017	2012IPG039
30	Intrusion Detection using PSO and KNN in Network infrastructure	Hashmeet Sikka	Dr Ajay Kumar	2017	2012IPG040
31	Finding User's Interests Using Twitter	Himmanshu Budania	Dr P K Singh	2017	2012IPG041
32	Customer Retentions Using Decision Tree and Cohort Analysis	Jayant Singh	Dr Ajay Kumar	2017	2012IPG045

33	Personalized Web Page Recommendation System using Machine Learning	Jyoti Patel	Dr Ritu Tiwari	2017	2012IPG046
34	Market Basket Analysis for Later Marketed Products	Kartik Meena	Prof Rajendra Sahu	2017	2012IPG047
35	An Intelligent Approach for Determining Influential Users in Online Social Networks	Khushbu Suryavanshi	Dr Ritu Tiwari & Dr Pradip Swarnakar	2017	2012IPG048
36	Document clustering Involving Multiple Topics Using Segmentation Approach and Evolutionary Optimization Algorithm	Kishan Agrawal	Dr Joydip Dhar	2017	2012IPG049
37	Link Prediction in Target Networks	Km Reena	Dr Vinay Singh & Dr Vishal Vyas	2017	2012IPG050
38	Prediction of Spam in YouTube through metadata and Comment Classification	Kushagra Varshney	Dr Ajay Kumar & Dr Joydip Dhar	2017	2012IPG052
39	A Machine Learning Approach for Load Balancing in Cloud Computing	Kusum Dhalia	Dr Ritu Tiwari & Dr Mahua Bhattacharya	2017	2012IPG053
40	Germane Optimal Feature Draft for Flawless Cataloging	Sandesh Maddila	Prof Rajendra Sahu	2017	2012IPG055
41	Motion based Object Tracking Using Feature Detection and Neural Networks	Milan Pal Singh	Dr Ajay Kumar	2017	2012IPG057
42	Hybrid Recommendation Personalization for BIG	Mohammad Asif Khan	Dr P K Singh	2017	2012IPG058
43	Collaborative Multi Agent Reinforcement Learning for Continuous State-Action Pairs	Mohit Joshi	Prof Anupam Shukla	2017	2012IPG059
44	Early Detection of Parkinson's Disease using Machine Learning Algorithms	Monika Mahor	Dr Ritu Tiwari & Dr Mahua Bhattacharya	2017	2012IPG060
45	A Predictive Analysis of Movie Rating using IMDb and Twitter	Anuradha	Dr P K Singh	2017	2012IPG061
46	Query Optimization using Different Big Data Processing Architectures for efficient Data	Muskan Jain	Dr Joydip Dhar	2017	2012IPG062

47	Malware Classification in Cloud Computing Infrastructure	Naveen Sangtani	Prof Shashikala Tapaswi	2017	2012IPG064
48	Collocation Based Optimization for Hadoop	Niel Roger Ekka	Dr Ajay Kumar	2017	2012IPG065
49	Text Independent Speaker Recognition Using Accoustic Models	Nikhil	Prof Anupam Shukla	2017	2012IPG066
50	Score and Winning Prediction in Sports using Multiple Classifiers	Nikita Choudhary	Prof Rajendra Sahu & Dr Vinay Singh	2017	2012IPG067
51	An Augmenting Scheme for Password Bootstrapping in Authentication Systems using Smartphone Sensors	P. Lakshminarayana	Prof Aditya Trivedi	2017	2012IPG068
52	Performance Analysis on Processing of Big Data Using Multicore Systems	Prachi Singh	Dr P K Singh	2017	2012IPG070
53	A Comprehensive Analysis Of Evolutionary Algorithm (EA)	Pranav Anand	Prof Anupam Shukla	2017	2012IPG071
54	Optimal path between two locations	Praveen Kumar Das	Dr Anuraj Singh	2017	2012IPG072
55	Scaling Machine Learning Algorithms For Multi-Core Systems	Rahul Kumar	Prof Anupam Shukla	2017	2012IPG073
56	Heterogeneous sampling in structured prediction	Rajesh Kumar Jaiswal	Dr W Wilfred Godfrey	2017	2012IPG074
57	Recommending Items Using Hybridization Of Wide And Deep Model	Rohan Passi	Prof Anupam Shukla, Dr Joydip Dhar	2017	2012IPG076
58	Automated Personality Classification : Ideas and Their Potentials	Rohit Kumar Patel	Dr Wilfred Godfrey	2017	2012IPG077
59	Single Speaker Speech Recognition Using Hidden Markov Model	Rohit Retnakaran	Dr Ajay Kumar, Dr Vinay Singh	2017	2012IPG079
60	Identification of anti-social elements on social network platform indulging in criminal activities	Rounak Kumar Khemka	Dr Vinay Singh and Prof Rajendra Sahu	2017	2012IPG080

61	Automatic Text Summarization	Sheikh Faizy	Dr Ajay Kumar	2017	2012IPG082
62	Forensics Analysis of Digital Evidence From Social Network On Windows 10	Shubham Agarwal	Prof Shashikala Tapaswi	2017	2012IPG083
63	Improving Information Spread Through Modified Scheduled Seeding Algorithm	Sunil Kumar Yadav	Dr W Wilfred Godfrey	2017	2012IPG084
64	Information Extraction From Wikipedia Articles	S.S.R.Adithya	Dr P K Singh	2017	2012IPG085
65	Facial Expression Recognition With Feature Analysis	Sunny Singh	Prof Rajendra Sahu	2017	2012IPG086
66	Image-Based Search Engine Using Deep Learning	Surbhi Jain	Dr Joydip Dhar	2017	2012IPG087
67	Finding The Most Viewed Part Of A Webpage Using DoM Based Segmentation	Syed Hammad Uzair	Dr Ajay kumar	2017	2012IPG088
68	Prediction Tool With HYBRID-ANN Algorithm	Varun Tandon	Dr Ajay Kumar	2017	2012IPG089
69	Multiple Data Document Summarization	V V Krishna Kishore	Dr P K Singh	2017	2012IPG090
70	Research Articles Suggestion using topic Modelling	Venkat Chaitanya K	Dr P K Singh	2017	2012IPG091
71	Banana Plant Leaves Disease Detection Using Image Processing	Vikram Singh Dhinwal	Dr. Vinay Singh & Dr K V Arya	2017	2012IPG092
72	Forensic Analysis Of Social Media Application On Android Based Devices	Vinayak Agrawal	Prof Shashikala Tapaswi	2017	2012IPG093
73	Multi Robot Navigation And Mobile Target Capturing Using Enhanced Invasive Weed Optimization	Vishal Garg	Dr Ritu Tiwari	2017	2012IPG094
74	Recommendation System Based On User Traits Using Text Classification	Vishal Kumar	Dr Ajay kumar and Dr Joydip Dhar	2017	2012IPG095
75	Unsupervised Learning For The Gold Price Predication	Vishal Rajwar	Dr Ajay kumar and Dr Vishal Vyas	2017	2012IPG096
76	An Efficient Algorithm for Orbit Computation Of Graph Auto Orphism Group	Yugarshi Shashwat	Dr Pankaj Srivastava	2017	2012IPG097

77	Lexicon Based Event Detection Using Topic Modeling On Twitter Data	Shrikant Jituri	Dr Joydip Dhar and Dr Pradip Swarnakar	2017	2012IPG098
78	Churn Prediction In Telecom Industry	Kunwar Ravendra Singh	Dr Manoj Kumar Dash	2017	2012IPG099
79	Device Forensic Analysis Of Applications On Android Operating System	Shivam Parolia	Prof Shashikala Tapaswi	2017	2012IPG100
80	A Compartmental Model for Transmission Dynamics of Distributed Attack of Malicious Codes on the IoT Network	Palash Jain	Dr Joydip Dhar	2017	2012IPG105
81	Optimization Based Qos Aware Routing Algorithm In MANET	Deepti Maduskar	Prof Shashikala Tapaswi	2017	2012IPG106
82	Predict Which New Questions Asked on Stack Overflow Will be Closed	Sachin Singh	Dr Ajay Kumar	2017	2012IPG107
83	Data duplication for Encrypted Data In Cloud Using AES Homomorphism Encryption	Vaishali Kulshrestha	Prof Shashikala Tapaswi	2017	2012IPG109
84	Glow Worn Swarm Optimization And Invasive Weed Optimization Algorithms For Flexible Job-Shop Scheduling Problem	Harshita Lalwani	Prof Anupam Shukla and Dr Ritu Tiwari	2017	2012IPG110
85	Three-Dimensional Path Planning Using Glowworm Swarm Optimization Algorithm	Prashant Pandey	Prof Anupam Shukla and Dr Ritu Tiwari	2017	2012IPG111
86	Detection of Insulting Comments in Online Discussion	Anusha Gupta	Dr P K Singh and Dr J Dhar	2017	2017IPG-112
87	Combination Of Multiple Models Using Neural Networks	D.V. Rishith Rayal	Dr Ajay kumar and Dr Pradip Swarnakar	2017	2012IPG113
88	User Profile Linking Across Twitter And Detecting Multiple Account Holders	Shreya Lohani	Dr Joydip Dhar	2017	2012IPG114
89	Multi -Objective Optimization Using Earth's Climate Model	Smit Kumar	Dr P K Singh	2017	2012IPG115
90	Monitoring Mobile Usage And Identifying the Apps to host relevant Ads	A Rahul	Dr Vinay Singh	2017	2012IPG116

91	Prediction On FISHER-IRIS Data Set Using Nature Inspired Algorithm	Smriti Raj	Prof Anupam Shukla	2017	2012IPG117
92	Reliability Of Software Oriented Architectures Using Hidden Markoc Models	Shantanu Srivastava	Dr Ajay Kumar	2017	2012IPG119
93	Disease Detection And Classification Of Mango Tree Leaves	Nikhil Kumar Bajaj	Dr Vinay Singh and Prof Rajendra Sahu	2017	2012IPG120
94	Enhanced Replication Scheme to minimize communication cost in Distributed Systems	Smriti Raj	Dr Joydip Dhar	2017	2012IPG121
95	Release Time Optimization And Sensitivity Analysis Of SRGM In Imperfect Debugging Environment	Ashish Bhargava	Dr Joydip Dhar	2017	2012IPG123
96	Decision Support System For Kidney Disease Diagnosis Using Data MiningClassification Techniques	Pooja Bhimte	Dr Vinay Singh	2017	2012IPG127
97	Secure AODV Empowered with three variable RSA cryptosystem algoithm	Aditya Acharya	Dr K V Arya	2017	2015AN01
98	Detection and Prevention of Co-operative Black Hole and Gray Hole Attack in MANET using Advance DRI	Akhil Maurya	Dr. K.V. Arya	2017	2015AN02
99	Energy and Congestion A ware Routing Based on Potential Fields for wireless Sensor Networks	Ankush Jain	Dr K K Patanaik Dr Ajay Kumar	2017	2015AN04
100	Detection of Rat Brain cell body and Dendrite using segmentation techniques in microscopic cell images	Ashish Kumar	Dr M Bhattacharya	2017	2015AN05
101	Detection of Microcalcification in Digital Mammogram using FCM and SVM	Lellapalli Aswini Aseervandam	Dr M Bhattacharya	2017	2015AN07
102	Influence Propagation in Over Large Scale Social Networks	Faishal Raza	Dr W Wilfred Godfrey Dr Vinay Singh	2017	2015AN09

103	Semantic Analysis for Compression on Large Relational Database	Praveen Modi	Dr Joydeep Dhar	2017	2015AN11
104	An Improved Approach for Tracking in Maneuvering Target Environment	Pushpendra Singh Dangji	Dr Ritu Tiwari Dr Pradeep Swarnkar	2017	2015AN12
105	Intelligent Facial Emotion Recognition System	Rahul Patel	Dr K V Arya	2017	2015AN13
106	Dynamic path Re-planning algorithm for Data Gathering AUV	Rajasi Gore	Dr K K Pattanaik	2017	2015AN14
107	Trend Detection using Community Rank and Hawkes Process	Shashank Bhatnagar	Dr W Wilfred Godfrey	2017	2015AN15
108	Synthetic Brain Functional Network Modelling using Reverse Engineering	Somya Agarwal	Dr Ritu Tiwari	2017	2015AN17
109	Graph kernels in machine learning	Tapesh Mandal	Dr W Wilfred Godfrey	2017	2015AN18
110	Design and Evaluation of Decentralized Gradient-based Routing for wireless Sensor networks	Vijay Anand	Dr K K Pattanaik Dr Ajay Kumar	2017	2015AN19
111	Modified Deep CNN-CRF based depth prediction in indoor scenes	Akhil Rana	Prof Aditya Trivedi	2017	2015DC01
112	Prioritized Planning algorithms for Multiple mobile robots	Amit Kumar Singh	Dr W Wilfred Godfrey	2017	2015DC02
113	Performance Analysis of Co-operative MIMO with Multihop Full duplex relay system & optimal path selection	Jagat Jyoti Prakash	Prof Aditya Trivedi Dr W Wilfred Godfrey	2017	2015DC04
114	Network Densification: Area Spectral Efficiency of Multi-antenna networks	Namrata Krishnawant	Prof Aditya Trivedi	2017	2015DC05
115	Performance Study of Multiple Unmanned Aerial Vehicles with underlaid Device-to-Device Communications	Sanjeev Mani Yadav	Prof Aditya Trivedi	2017	2015DC07

116	An approach to improve the watershed segmentation method using K-means	Abhimitra Saikia	Dr M Bhattacharya	2017	2015DC08
117	Antenna Selection Technique in mm Wave MIMO System	Alok Kumar Baranwal	Prof Aditya Trivedi Dr W Wilfred Godfrey	2017	2015DC10
118	Performance analysis of CWDM-PON system with optical amplifier	Annapurna Kumari	Dr Pankaj Shrivastava	2017	2015DC12
119	A Performance Analysis of Moving Relays for Downlink and uplink in Divergent Cellular Network	Yassen Mohammad	Prof Aditya Trivedi	2017	2015DC13
120	Integration D2D with Co-ordinated Multipoint in cloud radio access Network	Chitte Anil	Prof Aditya Trivedi	2017	2015DC14
121	Biomedical Image Segmentation and object Recognition	Mahendra Kumar Ratnakar	Dr M Bhattacharya	2017	2015DC16
122	A 3D Model Analysis of mm Wave Wearable Networks	Manpreet Kaur	Prof Aditya Trivedi	2017	2015DC17
123	Achievable Rate and Power Allocation for Uplink LTE-A Networks with DF Relay	Meeta Leela Krishna	Prof Aditya Trivedi	2017	2015DC19
124	Energy Harvesting and Information Processing in Cooperative Multirelaying Networks	Neha Sharma	Prof Aditya Trivedi	2017	2015DC20
125	Path Planning and Coordination of Multiple Mobile Robots	Ravi Gautam	Dr W Wilfred Godfrey	2017	2015DC21
126	Self Hetrodyne Technique in 4X4 MIMO for RF Communication	Sandesh Jain	Prof Aditya Trivedi	2017	2015DC22
127	Power Line Communication "FMT Based PLC Design"	Vinay Mohan	Prof Aditya Trivedi	2017	2015DC24
128	Reversible Data Hiding Scheme Based On Histogram Shifting using CDM	Swati Dehariya	Prof Aditya Trivedi Dr W Wilfred Godfrey	2017	2015IS02
129	Botnet activities Detection for mobile devices using log analysis	Priyanka Agrawal	Dr Joydip Dhar Dr P. K Singh	2017	2015IS022

130	Face Recognition On Android Operating System	Satish Uraiya	Dr K V Arya	2017	2015IS023
131	Securing Layer Communication in 6 Lo WPAN with Compressed IPsec for Internet of Things	Shivam Sharma	Dr K V Arya	2017	2015IS024
132	Face Recognition For Low Resolution Images	Shweta Chaudhary	Dr K V Arya	2017	2015IS025
133	Cricket Team Selection and Game Strategies Using Machine Learning	Siripurapu Narendra	Dr Ritu Tiwari	2017	2015IS026
134	Forecasting Future Electric Power Consumption Using Factored Conditional Restricted Boltzmann Machine	Abeno Odyuo	Prof Anupam Shukla Dr Ritu Tiwari	2017	2015IS03
135	Link Prediction in Coupled Network	Abhishek Prasad	Dr W Wilfred Godfrey	2017	2015IS04
136	A Spiking Neural Network Approach For Sequence Recognition	Aditi Anupam	Dr Ritu Tiwari	2017	2015IS05
137	Identification of cell body and dendrite from microscopic rat cell images using Diffused Expectation Maximization method	Pankaj Narendra Agham	Dr M Bhattacharya	2017	2015IS06
138	Vision Based Collision Avoidance for UAV	Gaurav Ahire	Dr Ritu Tiwari	2017	2015IS07
139	Dynamic Task Allocation in Complex Environment for Multi-robot Search and Retrieval Tasks	Akshay Kumar	Dr Ritu Tiwari	2017	2015IS08
140	Plant Recognition from Leaf Image Using Machine Learning Technique	Ankush Ojha	Dr Ritu Tiwari	2017	2015IS09
141	Multi-Level Image Thresholding Using Nature Inspired Algorithm	Anurag Kashyap	Dr K V Arya	2017	2015IS10
142	Efficient Approach for Big Data Encryption in Cloud Environment using Modified Twofish Block Cipher	Arjun Singh Pal	Dr Joydip Dhar	2017	2015IS11

143	An Efficient Machine Learning Scheme for Botnet Intrusion Detection Systems	Asim Abbas	Prof Shashikala Tapaswi	2017	2015IS12
144	Security Reliability Tradeoff Analysis of industrial wireless Sensor Networks in the Presence of eavesdropper	Bhanu Priys Parashar	Prof Aditya Trivedi Dr W Wilfred Godfrey	2017	2015IS13
145	Implementation of a Lightweight encryption Security in HDFS	Deepak Baghel	Dr Joydip Dhar Dr Vishal Vyas	2017	2015IS14
146	Image Restoration from Fast Burst Blurred and Noisy Images	Gauraav Kumar Singh	Dr K V Arya	2017	2015IS17
147	Analysis of Mammography images: Enhancement and Segmentation	Neha Sunil Kinderley	Dr M Bhattacharya	2017	2015IS18
148	Session Based Authentication Mechanism for Secure Access to ZigBee Networks	Md Shabab Anwar	Dr K K Pattaniak	2017	2015IS19
149	Feature Extraction and Classification of Cotton Boll Images Using Image Processing	Naresh Rathla	Dr M Bhattacharya	2017	2015IS20
150	A Bi-Projection Neural Network Approach to Constrained Optimization Problem	Paras Jain	Dr Ritu Tiwari	2017	2015IS21
151	Current-Voltage analysis of NH ₃ /CH ₃ Adsorbed	Amit Kumar Sorde	Dr Anurag Shrivastava	2017	2015VLSI01
152	Hardware implementation of Open Loop pitch Search module for A CELP based Speech Codec	Jaya Tripathi	Dr G K Sharma Dr Pankaj Shrivastava	2017	2015VLSI019
153	Logic Locking with Inverter Like Circuit	Dara Siva	Dr Pankaj Shrivastava	2017	2015VLSI03
154	Cmos Based High Performance Domino Bit Line for Low Power Register File	Monu Kumar Sharma	Dr Manisha Pattanaik	2017	2015VLSI04
155	Process Variation Aware Address Decoder for Low Power Register File	Nishant Singh	Dr Manisha Pattanik	2017	2015VLSI05

156	An Efficient Hardware Implementation of Adaptive Codebook Search for G.729 A Speech Codec	Nitin Patel	Dr Manisha Pattanaik & Dr Pankaj Srivastava	2017	2015VLSI06
157	TFET-Cmos Based Topology for Low Power Flip Flop Design	Omendra Kumar Singh	Dr Manisha Pattanik	2017	2015VLSI07
158	Low Frequency Noise Analysis in Double Gate Tunnel Field Effect Transistor	Vinay Kumar	Dr Manisha Pattanik	2017	2015VLSI08
159	Robust Low Power SRAM for High Performance Register File	Ajay Pratap Singh	Dr Manisha Pattanik	2017	2015VLSI09
160	An Energy-Aware Approximation VLSI Architecture of color Interpolation for Image Processing Application	Akash Puranik	Dr G K Sharma	2017	2015VLSI10
161	Low Power Low Noise Phase Lock Loop	Amit Kumar	Dr Pankaj Shrivastava	2017	2015VLSI11
162	Band Engineered Si1-xGex Tunnel FET with gate overlapping on drain structure	Arun Mohan B	Dr Anurag Shrivastava	2017	2015VLSI12
163	Algebraic Codebook Search algorithms for Low Bit-Rate Speech Codecs	Ashish Maurya	Prof G K Sharma Dr Manisha Pattanik	2017	2015VLSI13
164	STBFET based Amplifier for Low Voltage Sensing Applications	Barsha Jain	Dr Manisha Pattanik	2017	2015VLSI14
165	Design and Analysis of Algebraic Codebook Structure for speech codes	Bhawana Kumari	Prof G K Sharma Dr Manisha Pattanik	2017	2015VLSI15
166	Electron Transport Through Single Molecular junction Using Ethene Molecule	Bipin Kumar	Dr Pankaj Shrivastava	2017	2015VLSI16
167	CMos Based Low Power Aging Aware SRAM Cell for High Performance Register File	Deepanshu Pathak	Dr Manisha Pattanik	2017	2015VLSI17
168	Low Voltage Double Gate Tunnel-FET for High Performance Logic Circuits	Fanish kumar Gupta	Dr Manisha Pattanik	2017	2015VLSI18

169	Low Power SRAM Array for High Performance Processors	Vinod Kumar	Dr Manisha Pattanik	2017	2015VLSI21
170	New Energy Efficient FIR Filter Architecture for Reconfigurable Applications	Naushad Ali	Dr G K Sharma	2017	2015VLSI22
171	Study of Schottky Barrier Height in 2D Material inserted Mos2-metal heterocontact	Shanti Shekhar Mal	Dr Anurag Shrivastava	2017	2015VLSI25
172	Design and Analysis of Post Processing and Linear Prediction coding of Low Bit Rate Speech Codec	Shivangi Agarwal	Dr Manisha Pattanik Dr Pankaj Shrivastava	2017	2015VLSI26
173	Design of adaptive Lag Window Based "Pre-Processing and Linear Prediction Analysis"Block of G. 729A Speech Codec	Vivek Jain	Prof G K Sharma Dr Pankaj Shrivastava	2017	2015VLSI27



Financial Summary of the Institute

As per annual accounts of financial year 2017-18, balance sheet as on 31st March 2018 is presented in the table below:

Sources of Funds	Current Year	Previous Year
Corpus Fund/ Capital Fund	2,80,85,37,298.00	2,65,86,57,833.00
Designated/ Earmarked/ Endowment Funds	96,86,98,461.00	88,66,11,486.00
Current Liabilities and Provisions	15,89,02,472.00	12,83,39,969.00
TOTAL	3,93,61,38,231.00	3,67,36,09,288.00
APPLICATION OF FUNDS		
Fixed Assets (Gross Value)		
Tangible Assets	1,36,83,38,387.00	1,36,37,29,230.00
Intangible Assets	8,24,87,315.00	6,83,76,851.00
Capital Works-In-Progress	93,22,07,778.00	92,72,07,778.00
Investments- From Earmarked/ Endowment Funds		
Long Term	0.00	0.00
Short Term	71,72,11,010.00	66,86,72,272.00
Investments- Others	46,14,45,098.00	42,76,14,877.00
Current Assets	5,64,11,188.00	7,19,06,458.00
Loans, Advances & Deposits	31,80,37,455.00	14,61,01,822.00
TOTAL	3,93,61,38,231.00	3,67,36,09,288.00
Significant Accounting Policies		
Contingent Liabilities and Notes on Accounts		

Income & Expenditure

As per annual accounts of financial year 2017-18, income and expenditure account for the year ended on 31st March 2018 is presented in the table below :

Particulars	Current Year	Previous Year
INCOME :		
Academic Receipts	8,02,32,012.00	6,88,92,936.37
Grants/ Subsidies	18,51,55,000.00	14,49,75,000.00
Income from Investment	3,29,79,951.00	3,33,91,225.42
Interest Earned	49,99,398.11	41,43,757.00
Other Incomes	99,57,988.01	52,86,006.65
Prior Period Income	0.00	0.00
Total (A) :	31,33,24,349.12	25,66,88,925.44
EXPENDITURE :		
Staff Payments & Benefits		
(Establishment Expenses)	10,14,26,923.24	7,34,85,397.62
Academic Expenses	5,56,33,536.62	5,90,15,299.09
Administrative and General Expenses	6,81,40,856.00	5,80,14,912.00
Transportation Expenses	17,88,847.00	14,04,674.00
Repairs & Maintenance	3,96,61,326.00	2,89,48,036.40
Finance Costs	28,027.31	35,451.78
Depreciation	3,48,84,656.00	3,45,03,481.66
Other Expenses	0.00	0.00
Prior Period Expenses	12,80,712.00	16,92,723.00
Total (B) :	30,28,44,884.17	25,70,99,975.55
Balance being excess of Income over Expenditure (A-B):	1,04,79,464.95	-4,11,050.11
Transfer to/ from Designated Fund	0.00	0.00
Building Fund	0.00	0.00
Others (Specify)	0.00	0.00
Balance Being Surplus/ Deficit carried to Capital Fund	1,04,79,464.95	-4,11,050.11

Institute Activities

Twarn - 2017

This year's Twaran was organized from 31st March to 2nd April, 2017. In the previous years, institute used to conduct this event in the 3rd or 4th week of January but in such time period events were badly affected by heavy fog or winter rain. Hence, institute has postponed organization of this popular programme in the month of March-April. However,



due to unexpected intense summer, institute had not expected a huge response from various national level institutes of the country like IIITs, NITs and SPAs for their participation in Twaran 2017. Eight institutes accepted the invitation and finally, seven participated. Their great energy level made the event a more exciting one, not only to the players but also to the spectators who witnessed their endeavor. Various outdoor as well as indoor games were held during these three days whereas few games like football, basketball and volleyball were held under floodlights and watching them was really a thrill.

The event has been so far an out-standing opportunity presented by ABV-IIITM, Gwalior for the engineering students of this country, holding the tag-line, 'Defend till the end!' The three day sports carnival went on by offering platform for students from all over India to exhibit their talent and compete with the best upcoming sports persons in the country in a superbly charged and competitive ambiance with state-of-art sports facilities.

The teams participated in this event were from IIIT Allahabad, IIIT Delhi, NIT Kurukshetra, IIIT Raipur, SPA Delhi, SPA Bhopal, IIIT Kanchipuram and IIITM Gwalior. With maximum participation this year, Twaran has been a big success so far under the banner of SAC and its coordinator Dr. Anurag Srivastava and his dedicated students' coordinator team including Sandeep Kataria, Rahul Yadav, Khusboo and Shaeen Ansari.



The organizers also felicitated few sportsmen from Gwalior and appreciated their contributions at national and international level. The institute band Rudra has also been performed with a presence of a national artist from Indore for the entertainment of Twaran 2017 participants. ABV- IIITM, Gwalior has won Twaran trophy securing maximum points. Overall, the event was a great success and exhibited the sportsmanship culture among the students from different disciplines and different places of this country.

The event has witnessed a very good coordination of student team, SAC members and first and second year students

of IPG and PG courses. The event was inaugurated by our Director Prof. Deshmukh and closed with his words of wisdom in presence of many guests from sports community.

Industry Institute Meet

A three day event on Institute Industry Interaction was organized on 8, 9 and 13 April, 2017 for all the students of ABV-IITM, Gwalior. The event aimed to allow top technical professionals and engineering students to connect with each



other. The keynote sessions were focused on the tough aspects of structuring a successful technical team like hiring, developing an engineering culture and its overall management. Almost 50% of the event was devoted to keynote sessions while the remaining 50% was devoted to networking activities and round table discussions.

During the 1st session on 8th April, 2017, Mr. Arun Karna focused on 3Cs - Computation, Connectivity and Cloud Virtualization. On the same day, in 2nd session, Mr. Vinod Sood shared his views on topics like success mantra, maintaining relationships, finding passion and hobbies, excellence in work, imbibing humility, risk

taking attitude, real life anecdotes and getting out of comfort zone. The 3rd session was taken by Mr. S S Bhowmick where he focussed on ideas beyond usual syllabus, and discussed solutions to a number of real world problems. He also mentioned that in institutes, we lack curriculum subjects on IDEAS. He also discussed that in next 15 years, top 3 areas would be: Data, Data and Data.

On 9th April 2017, session beginning speaker was Mr. Rahul Tyagi. He demonstrated smart phone hacking using a hidden APK. He clearly mentioned that in this modern world, there is no 100% surety. He also mentioned that there is wide scope in the cyber security and demonstrated the steganography (technique used in 26/11). He added, in the age of internet, it is very important to keep the documents safe and shared how to choose a secure password-passphrases. The second speaker of the day was Mr. Kuntal Dey. In his presentation, focus was on research and infringement detection. He clearly mentioned that it is very important to patent our work. He demonstrated the Iris tracking



use cases and informed about the legal proceeding for patents. The third session was being conducted by Mr. Prashant Bansal who focussed on IoT. He shared information related to IoT viz; what is IoT, current scenario, stages of IoT development, real life problems, security concerns and applications of IoT and the like.

Third day began with the lecture of Mr. Anup Kalbalia. He focussed presentation on change of demands in industry. He



highlighted that one should not try to become software engineer mechanics but should focus on the fundamental instead of tools. He also shared about the durable of computer science and shared very motivational journey of Anudeep Nekkanti who developed dexterity in coding by continuous efforts.

All the events were followed by round table discussions where students were being given a platform for direct interaction between the employment seeker and the employment benefactor. The event brought together industry experts from different domains of IT to discuss organization-specific capabilities. The event provided

an opportunity to the students to understand the actual demands of the industry and prepared them in an employment-oriented manner. After this event, two students of ABV-IIITM, Gwalior got summer internship opportunities in Hughes Systique. Mr. Rahul Tyagi showed interest in conducting ethical hacking workshops in ABV-IIITM, Gwalior for benefiting students. Mr. Kuntal Dey contacted faculty members to have some collaboration with foreign universities on Computer Vision project.

Alumni Meet-2017

Alumni meet was organized in the institute on 23 April, 2017. An interaction session was organized with Hon'ble Director, faculty members and students as well. In the meeting, it was discussed how students can be encouraged to take part in campus placement by arranging HR summit or talks with the company personnel to enhance their knowledge about the demand of the companies. In order to enhance student's participation, some motivational sessions can also be arranged with experts of various streams. In the meeting



it was also being discussed that the PG students can also be motivated and can develop required ability and skills, so

that, their academic performance can overall be improved. At the end, thanks note was being delivered to all the alumni.



International YOGA Day

The 2nd International Yoga Day-2017 was celebrated on 21 Jun, 2017 in open areas near the Sports Complex of the institute. The campus community including students, staff, faculty and residents of nearby locality have actively participated in this event. More than 150 people participated in this event. The program was started as

per the schedule provided by the AYUSH ministry. Mr. Shrama, yoga instructor of the institute and Ms. Neelam along with two JOSH camp trainees have performed the yoga practices on the stage.

Dr. Anurag Srivasatava, coordinator of the event emphasized on the importance of the day. He stressed on the need of practicing Yoga and Yoga as a way of life. Director of the Institute also briefed audience about the simple way of life called "YOGA" through which we can keep all the body parts healthy and perfect. This is a practice of different body postures, "ASANAS" which helps a lot to become healthy, fit and fine. Yoga can remove stress, depressions from human mind and resulting a better health and a better mood. Yoga is a kind of meditation and peaceful environment. India is recognized as the leader in Yoga. Whatever you may be looking for, yoga has it on offer, he told in last.



In this occasion, keeping the importance of Yoga in mind, institute also organized a one day workshop on "YOMED-2017" on 21 Jun, 2017 from 10:00 AM to 2:00 PM. This workshop included the sessions on different topics, health challenges of IT professionals, stress management, yoga and meditation, positive psychology, music therapy and the like. During the workshop Prof. Suresh Sharma (President Arbindo Society), Dr. R. P. Gupta (Bhartiya Yog Sansthaan), Shri Ramesh Verma (Bhartiya Yog Sansthaan), Shri S. P. Sharma (Yoga Instructor, IIITM, Gwalior), Dr. Pooja Gupta (Physio) and Dr. Anil Mangal (Sr. Scientist, CARI) expressed their views on Yoga.

कवि-सम्मेलन

गत सत्र 28 सितम्बर को हमारे संस्थान में कवि-सम्मेलन का आयोजन किया गया। इस सम्मेलन के माध्यम से संस्थान के छात्र छात्राओं को कवियों का सानिध्य प्राप्त करने का अवसर मिला। छात्रों ने इस समारोह में बड़े उत्साह से भाग लिया। सभा कक्ष प्रवीण शुक्ल, पॉपुलर मेरठी, लटूरी लड्डू, पद्मिनी शर्मा जैसे गणमान्य कवियों की उपस्थिति से धन्य हो उठा। हिंदी समिति ने इस वर्ष सम्मलेन को राष्ट्र वषे मैथिली शरण गुप्त जी को श्रद्धांजलि रूप में समर्पित किया।



सर्वप्रथम कवियों को पुष्पगुच्छ देकर उनका स्वागत किया गया। माँ सरस्वती को पुष्प अर्पण कर तथा दीप प्रज्वलित कर सभा का आरम्भ किया गया। कवियों ने मैथिली शरण गुप्त जी के चित्र का अनावरण किया गया। श्रीमान प्रवीण शुक्ल जी ने मंच संचालन का उत्तरदायित्व अपने ऊपर लिया तथा पद्मिनी शर्मा जी को माँ सरस्वती के लिए वंदन गीत सुनाने के लिए आमंत्रित किया। पद्मिनी शर्मा जी के काव्य पाठन एवं प्रेम गीतों ने सबको मंत्रमुग्ध कर दिया। उनकी श्रृंगार रस की कविताएँ

सुनकर सभी लोग भावविभोर हो गये। पद्मिनी शर्मा जी ने नारी शक्ति से लेकर अन्य सामाजिक विषयों पर भी काव्य पाठन किया। पद्मिनी जी के पश्चात् श्री प्रवीण शुक्ल जी ने लटूरी लड्डू जी को कविताएँ सुनाने के लिए मंच पर आमंत्रित किया। उन्होंने हास्य व्यंग्य की कविताओं से सम्पूर्ण सभा

कक्ष को हास्य से ओत प्रोत कर दिया। लटूरी लड्डू जी ने सामाजिक कुरीतियों को हास्य व्यंग्य के जिस मिश्रण से चिन्हित किया, वह श्रोताओं के हर्ष उल्लास व तालियों से भली भाँति परावर्तित हुआ।

लटूरी लड्डू जी के बाद प्रवीण शुक्ल जी ने मंच पर प्रसिद्ध मजाहिया शायर पॉपुलर मेरठी जी को अपनी प्रस्तुति के लिए आमंत्रित किया। पॉपुलर मेरठी जी की कविताओं से श्रोताओं के हर्ष उल्लास को पुनः जीवित कर दिया। पॉपुलर मेरठी जी ने अपनी प्रसिद्ध कविता आंठवा शौहर के अलावा अन्य कविताओं का पाठन किया। उनकी हास्य कविताओं एवं शायरी ने सभी श्रोताओं का मन मोह लिया।



कार्यक्रम के अंत में आखिरी कवि प्रवीण शुक्ल जी अपनी प्रस्तुति देने आये। उन्होंने सर्वप्रथम मैथिली शरण गुप्त जी के सम्मान में उनकी चार पंक्तियों से श्रोतागणों को सम्बोधित किया। उन्होंने कविताओं के साथ-साथ अपने जीवन के कुछ संस्मरण सुनकर श्रोतागणों का मनोरंजन किया। उनकी कविताओं ने सभा कक्ष को संवेदना से परिपूर्ण कर दिया। छात्रों को उनकी बातों में कुछ ज्यादा ही आनंद आ रहा था, इसी तरह कवितायें सुनते हुए समय का आभास ही नहीं रहा और सम्मेलन समाप्ति का समय आ गया। कवि सम्मेलन के माध्यम छात्रों ने ऐसी संध्या का आनंद उठाया जिसमें उन्हें मनोरंजन के साथ-साथ जीवन की शिक्षा प्राप्त हुई। अंत में कवियों ने मेधावी छात्र रियाज खान को मैथिली शरण गुप्त जी का छायाचित्र चित्रित करने के लिए पुरस्कार से सम्मानित किया।

SWACHHATA PAKHWADA-2017

September 1-15, 2017 was observed as Swachhata Pakhwada by the Institute. In this pakhwada the following activities were organized:

- All important locations like kitchens, dining rooms and toilets etc of all hostels, MDP and IVH were specially attended by thoroughly cleaning floors of kitchens, dining rooms and toilets.
- To create competitive environment amongst hostels, a committee comprising of four members was formed to evaluate cleanliness.
- Committee physically inspected all the hostels and evaluated cleanliness based on parameters like, toilets, food court, water supply, building upkeep, garbage handling and publicity.
- Posters informing Swachhata pakhwada were displayed at prominent places all over the campus.
- Cleanliness work is mostly done by ground level workers, hence, for training of workers an agency was engaged. Three groups were formed comprising of mess workers (called Annapurna), upkeep workers (called Lakshya) and horticulture workers (called Ashok).



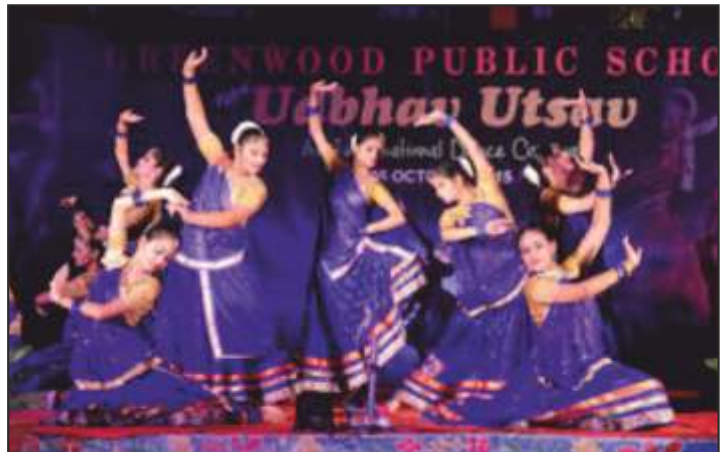
- Training agency trained our workers based on 5S and Lean Quality Circle concepts.
- Training programs were followed by tree plantation near hostel BH-III.
- On 8th and 9th September essay writing and painting competition for primary and middle school students was held. More than 30 participants took part in both competitions.
- 1st, 2nd and 3rd winners of both competitions were rewarded and certificates of participation were being issued to all participants on 22nd September 2017.
- Area surrounding to dispensary and departmental blocks was specially cleared which was previously covered by plant wastes, building debris and garbage.
- Additional dust bins were kept near dispensary.
- During this fortnight tractor trailer was deployed exclusively to carry garbage, plant wastes etc to pit near butterfly conservatory.
- Swachhata samachar used to be displayed on a board placed at main entrance of administrative building.
- LCD displaying swachhata activities and slogans were displayed near auditorium.
- Garbage (especially plastic bags/bottles etc.) was hand-picked from all over the campus.



Finals of Udbhav Utsav 2017

ABV-IIITM Gwalior in association with Udbhav Cultural Society, Gwalior hosted finals of 14th Udbhav Utsav 2017- An International Dance Carnival on 29 Oct, 2017 at Open Air Theater of the Institute. 'UdbhavUtsav' was inaugurated in a colourful ceremony with troupes participating from Sri Lanka, Bulgaria, Kyrgyzstan, Nepal and South Korea presenting scintillating performances. The annual carnival being held since more than a decade has become popular not only in India but abroad as well and in number of foreign countries participating in it. Institute witnessed huge number of attendees and gala round of Udbhav Utsav 2017.

At the beginning of the programme, president of Udbhav Society Dr. Keshav Pandey welcomed chief-guest H.E. Samargiul Adamkulova, ambassador of the Kyrgyz Republic to the Republic of India.



Secretary of the society Mr. Dipak Tomar honored Guest of Honour Prof. S.G. Deshmukh, Director ABV-IITM, Gwalior and special guest Mr. Vivek Shejwalkar, Mayor of Gwalior city by garlanding.

9th National HR Summit

9th national HR Summit was held during 11-12 November, 2017. The event was initiated by planting trees of different varieties by all the speakers at MDP Centre. On this occasion, a brief description about the plants was being given to all the speakers and participants.



The event started with the opening speech of Dr. Manoj Patwardhan, faculty coordinator who welcomed the guests and mentioned the objective of 9th national HR summit. Prof. Rajendra Sahu, introduced activities of training and placement cell and later the placement brochure was launched for the batch passing out in 2018.

The first keynote speaker was Mr. Suresh Rangadurai, India - Business Head, at Axcend Automation private limited. He spoke about the disruption, industry transformation, block chain, advanced robotics. Following this, Ms. Shaivya Singh Rathore, sales director of 2041 Inc. spoke about some popular topics like dare to dream, work to change reality and work satisfaction After this learning session, Mr. Anil Kumar Singh, plant head, Akzo Nobel limited spoke about the organization and its contribution to ABV-IITM. The HR excellency award was given to the AKZO Nobel limited and Surya Roshni limited In the post lunch session,, Apurva Sharma, founder of Bodishree, delivered a lecture on collaborative work and competency. At this point of time, a Skype call was also being introduced in the HR summit. Ms. Renee Stephenes, president of We Predict Inc. was live from Detroit.



In the evening, there was Ghazhal-e-shaam classical performance by the students. Just after this cultural programme, a meeting with all the guests and placement representatives of the institute was organized at MDP Centre to discuss on the theme what next? beyond HR summit.

On second day the first keynote speaker was Mr. Awadhesh Kumar, General Manager, Pernod Ricard who delivered a insightful lecture on various aspects of modern organizations. Mr. Gautam Ghosh, Consultant, Vebeyond; Mr. Srinivas Duddu and Mr. Sanjay Rishi also shared views on various topics. The summary report of two days HR summit was presented by Dr Manoj Dash. Later in the evening, the awards of best poster presentation and valedictory were being organized.

MOM 2018

This year again brought the opportunity for the students to unbox their off-centre ideas under Mind Over Matter (MOM-2018) based on the theme 'A road towards safer India'. The theme basically aimed at bringing solutions for the vicious issues that have rooted themselves in our country and thus making it a better place to live in.



MOM-2018, a national technical innovation fair, was organized for students ranging from school level to UG/PG level, in a view of encompassing as many young minds as possible in sharing their ideas.

The aim of this technical fair was to put up a show in specializing in defining the imagination and revolutionizing basic science and technology. The vision was to promote innovation and creativity, with a focus on

technologies aimed at ensuring safety of every individual of the society. It also offered a closer interaction between technology seekers and providers.

The inaugural ceremony of MOM-2018 was held on 19 January, 2018 with utmost enthusiasm and exuberance. The presence of Prof. L.K. Maheshwari, chief guest, Director ABV-IITM, Gwalior, Prof S.G. Deshmukh, Dr Pankaj Srivastava (faculty coordinator MOM-2018) and Dr. Neetesh Kumar (faculty co-coordinator) graced the opening ceremony. It started with auspicious lamp lighting.



A heart-warming and highly energetic skit was also performed by the students of IPG-I year which depicted women empowerment. Aman Mishra (student co-coordinator, IPG-I year) delivered vote of thanks to everyone involved in making MOM-2018 possible.

This marked the beginning of the National Technical Innovation Fair, Mind Over Matter (MOM) - 2018.

The evening of 20th January 2018 brought the journey of MOM-2018 closer to its conclusion.

Dr. D.K. Dubey, Director DRDE, Gwalior was invited as the chief guest of the ceremony. He shared his views and inspired the students with his motivational words.

Winners of the different events were then awarded with the prizes. The whole MOM-2018 team who worked hard and left no stone unturned to make this fair possible were also acknowledged and appreciated by Dr Pankaj Srivastava.

Twarn-2018

ABV-IIITM, Gwalior has organized the IIIT sports meet from March 09-11, 2018. Total 10 IIITs participated in this sports meet. This three day sports carnival went on by offering platform for students from all over to exhibit their talent and compete with the best upcoming sports persons in the country in a superbly charged and competitive ambiance with state-of-art sports facilities. Ten teams participated in this prestigious IIIT sports meet "TWARAN-2018". A majority of games were held under floodlights including basketball, volleyball, table tennis and badminton.



The objective of organizing such events in the campus is to focus on enhancing student's physical and mental health. Student needs to study hard to be successful in competitive world; however, it is equally important that they must be involved in sports activities to enjoy the health and vigor of life.

In IIITM Gwalior, sports have been an integral part of a campus life, with an objective to keep students physically fit. In addition, this is also important to make students ready for today's competitive environment by making them emotionally stable and physically strong which is possible only through their participation in sports activities.

Many teams from ABV-IIITM, Gwalior, PDPM-IIITDM, Jabalpur, IIITDM, Kancheepuram, IIITDM, Kurnool, IIIT Allahabad, IIIT Kottayam, IIIT Tiruchirappalli, IIIT Nagpur, IIIT Manipur and IIIT Delhi participated in Twaran 2018.





विश्वजीवनामृतं ज्ञानम्

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