



विश्वजीवनामृतं ज्ञानम्

**Atal Bihari Vajpayee-
Indian Institute of Information Technology
and Management, Gwalior**

**2018-19
Annual Report**



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.**

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Chairman's Message

ABV-IIITM Gwalior, an Institute of National Importance is dedicated to teaching, research and training in the cusp areas of IT and Management.

I am happy to note the following developments:

- New curriculum for various academic programmes has been implemented.
- There is a significant addition in faculty.
- Our students have successfully organized TEDx event- second time in a row.
- The institute has earned 9th Rank in Swachh Campus rating done by MHRD.
- The institute has earned 5-S certificate from Quality Circle Forum of India.
- National Convention on Quality Concepts was successfully organised on the campus attracting about 11,000 participants.

The institute continues to attract quality students. This is reflected in the closing ranks for various programmes. I am also happy to know that the institute is able to attract overseas students from neighbouring countries. I hope that this trend will continue.

The institute has made efforts to disseminate its knowledge base through Management Development Programmes/Faculty Development Programmes/International Conferences / Seminars and Workshops. This has helped in gaining professional recognition.

There seems to be an increase in number of visitors from abroad (especially from Sri Lanka and Germany). I am sure this will help in gaining global acceptance and recognition.

I am also happy to learn improvement in our NIRF standing. However, there is enough scope to improve further. It is noteworthy that our campus has been consistently rated as green campus by an international rating agency, Universitas of Indonesia.

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 in making the institute a vibrant and organic entity.

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

Vinay Kumar Modi

Chairman, BoG

Director's Report



Welcome to the annual report of the institute for the year 2018-19. 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. This report is an account of various activities during 2018-19.

Academics

The new curriculum has been implemented since July 2018. B Tech (CSE) has been started since 2017. The IPG programme has been streamed into IPG (MTech) and IPG (MBA) at the entry stage itself. The lab courses are introduced separately in the new curriculum. This has enabled students to have a better understanding of hands-on and has enhanced experimentation skills amongst students.

During the academic session, 65 UG, 109 IPG M Tech, 71 IPG MBA, 55 M Tech, 20 MBA and 15 Ph D students were admitted. In the reported period, 87 IPG (M Tech), 15 IPG (MBA), 67 (M Tech), and 43 (MBA) students passed out.

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

Research, Sponsored Projects, and Extension

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 MHRD, DeITy and DST, SERB has helped in supporting and enhancing academic research and quality of teaching. This year, there were 6 new projects sanctioned by various funding agencies.

The institute continues to be in number 1 position in Scopus listed publications amongst centrally funded IIITs with 1200+ publications

As in the past, our faculty members have got interesting and competitive project funding from various agencies.

S.No.	Title	Amount (Rs. Lakhs)	Sponsoring Agency	PI
1	National Resource Centre in Management **	14.7	AICTE, New Delhi (PMMMNTT Scheme)	Dr Gyan Prakash
2	Deep learning-based CAD system for lung cancer diagnosis.	14.6	WOS-/DST New Delhi	Ms Jenkin R Suji ***
3	Morphological and Neurobiological Changes in Spinocerebellar Ataxia Affected Patients (SCA) through MRI Techniques USING Computer Vision Based Analysis.	21.40	SERB, DST, New Delhi	Dr Mahua Bhattacharya
4	Benzene Derivatives based single electron transistor quantum dots for toxic gas sensing.	21.43	SERB, DST, New Delhi	Dr Anurag Srivastava
5	IoT based automated Real Time and effective Traffic Signal Scheduling for Smart City.	13.70	DST, New Delhi	Dr Neetesh Kumar
6	Assessing the user satisfaction of NPTEL and extricating policy implications of e-learning	8.00	IMPRESS, MHRD	Dr Yash Daultani

**Institute has been designated as National Resource Centre (NRC) for developing online contents under Swayam for faculty refresher programme in the domain area of Operations Management.

*** This is under WOS/DST Scheme.

Conferences/Workshops

As in the past, the institute has hosted conference as a part of our mandate. The International conference on Nanomaterials & devices for Energy & Environment was a huge success (27-29 Jan 2019) and was able to attract several international speakers from academic and professional world. This event was coordinated by Dr. Anurag Srivastava.

We also co-supported the second joint inter-IIIT technical conference on ICT. This was coordinated by IIITDM Jabalpur (2-4 Nov 2018)

Continuing education continues to be an important outreach activity of the institute. The Institute has conducted 5 short term courses serving both the academic fraternity and industry at large. These are given below:

S.No.	Date	Title	Coordinator
1	8-14 Oct 2018	Physics & Technology of Materials	Prof Pankaj and Prof Anurag Srivastava
2	21-26 Sep 2018	Data Analytics in Management Research	Dr Naval Bajpai
3	19-24 May 2018	Data Analytics in Management Research	Dr Gaurav Agrawal & Dr Manoj Dash
4	12-13 May 2018	MDP on Measuring Financial Productivity of Centrally Funded Institutes	Dr Gaurav & Dr Manoj Dash
5	20-25 Apr 2018	Advanced Data Analytics in Marketing & Sharing for Finance	Dr Vishal Vyas, Dr Manoj Dash and Dr N Bajpai

Student Activities

Along with academic excellence, ABV-IIITM, 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.

The following student events were organized during the reported period :

S.No.	Title	Date	Coordinator
1	TEDx at ABVIIITMG	25.08.2018	Prof R Sahu
2	Parichay	18.11.2018	Dr Anurag Srivasatav
3	ACM ICPC Contest-2018	17-18.12.2018	Dr J Dhar & Dr Ritu Tiwari
4	Urja-: Inter-Hostel Sports Festival	18-21.01. 2019	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 51 activities were e-organized during the reported period under the aegis of AASF. Abhishar, annual magazine of AASF, continued to attract quality articles. Abhishar 8.0 was released on 20th Nov 2018.



Training & Placement

A total of 46 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 consistently over the years and many new companies coming to the campus.

Various modules for personality development were also given to students. 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. The new faculty residential quarters were taken over and were occupied by young faculty members.

Other Activities

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

National Day	Guests of Honour
15.08.2018	Mr Devkant Aggarwal, IBM India Dr Abhay Bhave, Nipun Consultants Dr Amrit Puzari, Dean (Student welfare), NIT Nagaland
26.01.2019	Prof V S Chauahn, Exec Chairman, NAAC and member UGC Prof B N Jain, Ex-VC, BITS Pilani Dr Venkatesh Sundaram, Amrit Puzari, Dean (Student, welfare), NIT Nagaland

- b) The "Hindi Pakhwada" was celebrated during 14th to 29th September 2018. During this period many events were organized like-quiz, debate, handwriting, poster painting competition, slogan writing, essay, poem writing, etc.
- c) International Yoga Day was organized on 21 June 2018 with much preparation.
- d) The institute has also actively participated in Swachh Bharat Abhiyan, and Swachata Pakhwara was also organized.
- e) Josh-18, a summer camp for children was organized by Dr Anurag Srivastava during 15th May to 21st June 2018.
- f) Institute co-organized Gwalior Chapter convention of Quality Circle Forum of India (QCFI) on 2nd Sep 2018. ABV-IIITM teams participated in this convention and got Gold award.
- g) 15th Udbhav Utsav 2018- An International Dance Carnival was supported by the institute from 21st -24th October 2018. Teams of various countries like Turkey, Bulgaria, South Korea, Sri Lanka and Kyrgyzstan participated in this event. The finals were hosted at our campus.
The Chief-guest was Shri Manoj Shrivastava, Principal Secretary of Culture, Govt. of MP.
- h) Various activities were organized under "Ek Bharat -Shrestha Bharat". These were coordinated by Dr Ritu Tiwari.
- i) The institute boasts of a green campus. This year also institute continued to have a vigorous tree plantation drive. About 700+ trees were planted on the campus

Recruitment

The institute continued to recruit both faculty and staff. Twenty eight offers were made to faculty at various levels (out of which 10 are new faculty members at the entry level). The posts of Assistant Registrar, Dy Registrar, Engineers etc. were also filled up.

Awards & 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

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

International Recognition

The institute has got 161st Global Rank and 1st Rank in India (continuously for the third time) 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

a) ABV-IIITM was adjudged as the 9th cleanest campuses among Technical Institutions (Universities)-Residential category in country in the Swachh Campus Ranking 2018. In an award presentation ceremony held at New Delhi on 1 Oct 2018, Sh.Prakash Javdekar, Hon'ble Union Minister of Human Resource Development and Dr.Satya Pal Singh, Hon'ble Minister of State for Human Resource Development felicitated the institute.

The institution is the only institution in its category from Madhya Pradesh to figure in Top 10 Swachh Campus Rankings. This year 6029 institutions participated in this exercise, and 205 institutions were shortlisted. Based on cut-off, AICTE/UGC inspected all 205 institutions. Out of these, 51 institutes were awarded under 8 different categories.

b) The institute was ranked at 34th position in B-School survey of Career360.

c) The institute was ranked at 81st Position in "Engineering" in NIRF 2019. This is a significant improvement over previous year's rank band between 101-150.

d) SCImago Ranking : 691st rank globally

The SCImago Institutions Rankings (SIR) is a classification of academic and research-related institutions ranked by a composite indicator that combines three different sets of indicators based on research performance, innovation outputs and societal impact measured by their web visibility.

e) Two of our teams (Housekeeping and Stores) got gold award in Gwalior Chapter convention of quality circle (2 Sep 2018). These teams also got worthy mention in National Convention of QC held at our institute during 21-24 December 2018.

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 set 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. The administrative support extended by Mr R P Dwivedi, Register is gratefully placed on record.

I also extend my appreciation to the students for their valuable contributions.

The team under the able guidance of Prof 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-acres 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 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's 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 fee 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 2018-19, details of these meetings are as follows:

Meetings of Board of Governors

- 41st Meeting : 3rd August 2018
- 42nd Meeting : 18th December 2018

Meetings of Finance Committee

- 35th Meeting : 3rd August 2018
- 36th Meeting : 18th December 2018

Meetings of Senate

- 23rd Meeting : 4th February 2018

Meetings of Building Works Committee (BWC)

- 34th Meeting : 22nd November 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 (IIITs), MHRD, GOI	Member
4.	Dr. Jaideep Kumar Mishra Joint Secretary and Group Coordinator Ministry of Electronics and Information Technology, GOI	Member
5.	Shri Suleman Principal Secretary, Department of Information Technology, Govt. of M.P.	Member
6.	Prof Devang V Khakhar Director, Indian Institute of Technology, Bombay.	Member
7.	Prof Saibal Chattopadhyay Director, Indian Institute of Management, Kolkata	Member
8.	Prof Anil D Sahasrabudhe Chairman All India Council for Technical Education (AICTE), New Delhi	Member
9.	Ms Vidya Natampally Sr. Director - Strategy, Microsoft Research India, Bangalore	Member
10.	Prof Rajendra Sahu Professor, ABV-IIITM, Gwalior	Member

11	Prof Shashikala Tapaswi Professor, ABV-IIITM, Gwalior	Member
12	Mr Ram Phal Dwivedi Registrar ABV-IIITM, Gwalior	Secretary

Academic Senate (2018-19) : 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 Assiatnt 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 Ram Phal Dwivedi Registrar ABV-IIITM, Gwalior

Recognition/ Awards and Laurels of the Institute

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

S.No.	Award/Recognition	Year
1	81st Rank in NIRF 2019 in "Engineering" category , 75-100 Rank band in "Management" category	2019
2	9th Rank in Swachh Campus by MHRD	2018
3	5-S certificate from QCFI	2018
4	UI Green Metric 163rd Global Rank and 1st Rank in India (awarded by Universitas Indonesia)	2018

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 2018-19

The following buildings are under progress

S.No.	Award/Recognition	Plinth Area (in Sqm)
1	Convention Centre	5,595
2	Faculty Housing	5,402
	Total	10,997

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

Institute also provided 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. Addition of 10 Mbps capacity to the existing 20 Mbps fallback link leased line from STPI.
2. Procurement and Deployment of Cisco distribution switches (C2960) at the Hostels (BH-1, BH-2 & BH-3).
3. Academic and Admin blocks have been Wi-Fi enabled.
4. Procurement of Dell Server Class machine for LDAP Configuration

Enhancement to Institute Networking Infrastructure during 2018-19

S.No	Work done
1.	One new Dell Server has been procured for LDAP Configuration.
2.	Cisco Wireless Controller was procured and LRC Cisco Access points were converted to controller based and two extra Cisco controller based access points have been installed.
3.	Fiber connectivity has been provided to LT2 from server room through G block & F block.
4.	25 ubiquity Wi-Fi access points have been procured and have been installed in MDP, Admin block and LT1 block.
5.	Fiber connectivity has been provided to Convention centre from server room through LRC block.

Academic Programs

A good 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-IITM. 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 capable in handling, 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
2016	IPG - 17860
2017	IMG - 22199
	IMT - 17772
	BCS - 12736
2018	IMG - 25355
	IMT - 17490
	BCS - 11165

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

The admissions are based on GATE score.

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 are as 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-IIITM 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-IIITM'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 asset 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 website. 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 2016	137	71	15
July 2017	124	76	12
July 2018	112	72	13

Award of Doctoral Degree (during the year 2018-19)

S.No.	Name of Ph.D Scholar	Supervisor(s)	Thesis Title	Viva-Voce held on
1	Mukesh Kumar Mishra	Prof. Aditya Trivedi	Performance Study of Spectral and Energy Efficient Heterogeneous Cellular Networks	27.03.2018
2	Mr. Sourabh Bharti	Dr. K K Pattanaik	Towards Quality of Service Provisioning in Internet of Things Sensory Environment	01.05.2018
3	Ms. Ruchi Gupta	Dr. Gaurav Agrawal	Mandatory Corporate Social Responsibility : An Empirical Analysis of Financial performance of Listed Indian Firms	30.06.2018
4	Ms. Rashmi Kushwah	Dr. Ajay Kumar Prof. S Tapaswi	Optimization Techniques for Gateway Selection in Integration of Mobile Ad Hoc Network and Wired Network	22.10.2018
5	Ms. Rashmi Choudhary	Prof S Tapaswi	Issues in Energy Consumption in Mobile Ad hoc Networks	19.01.2019
6	Ms. Monica Bhaduriya	Prof Manoj Patwardhan Prof Naval Bajpai	e-HRM and Employee Engagement - A Relationship Study in India IT Industry	27.02.2019
7	Mr. Chandra Sekhar	Prof Manoj Patwardhan Dr Vishal Vyas	An Empirical Investigation of Human Resource Dimensions and Firm Performance Role of Mediators in Service Industries	01.03.2019
8	Mr Shyam Singh Rajput	Prof K V Arya	Hallucination Algorithms for Low-resolution Images and Their Application in Face Recognition	17.03.2019
9	Mr. Boddepalli Santhi Bhushan	Prof. Anurag Shrivastava	Aromatic materials for Supercapacitor Electrodes and single electron Devices	13.04.2019

Admissions 2018-19 / Student Strength

Year	Course	Duration	General		OBC		SC		ST		PH		Total
			Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
2018	IPG IMT	5 Years	46	8	26	3	13	2	7	1	1	0	107
2018	IPG IMG	5 Years	29	4	17	2	9	1	5	1	0	0	68
2018	M Tech	2 Years	21	12	7	5	6	2	1	0	0	0	54
2018	MBA	2 Years	7	9	2	0	1	1	0	0	0	0	20
2018	Ph D	-	6	5	0	0	1	1	0	0	0	0	13

Students Admitted in 2018-19	
Ph D	16
M Tech	55
MBA	20
IPG-MTech	109
IPG-MBA	71
B Tech (CSE)	65
Total	336

Total Students in 2018-19	
PhD	49
M Tech	118
MBA	36
IPG	678
B Tech (CSE)	104
Total	985

Scholarship to Students (2018-2019)

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 for 2 Years,

Ph.D. level Rs. 25000 First 2 Years & Rs. 28000 for Remaining 3 Years

The Assitantship was disbursed to the following students :

S.No.	Programme	Number of students getting assistantship
1.	IPG 5th Year	85
2.	M Tech (2017-18)	66
3.	M Tech (2018-19)	52
4.	Ph D	47

In addition, tables below provide information pertaining to merit-cum-means scholarship disbursed during the year 2018-19 and details of state scholarship for the period 2018-19 :

Merit-cum-Means Scholarship Disbursed during the Year 2018-19

S.No.	Name of Students (IPG-Batch)	Student Roll Number
1.	Lakshya Bhardwaj	2018BCS-027
2.	Shivanesh Srivastava	2018BCS-053
3.	Avanish Pandey	2018BCS-014
4.	Aashish Khatri	2018IMT-003
5.	Nitya Chandra	2018IMT-060
6.	Vivek Kanboj	2018IMT-109
7.	Saket Shrivastava	2018IMT-087
8.	Himanshu Pandey	2018IMT-038
9.	Rachit Garg	2018IMT-075
10.	Abhayanand Kumar	2018IMG-002
11.	Vedant Tripathi	2018IMG-070
12.	Alla Jaishriharsha	2018IMG-005
13.	Rachit Goel	2018IMG-041

Details of State (Madya Pradesh) Scholarship for the Period 2018-19

S. No.	Name of Student	Roll Number	Scholarship
1.	Dheeraj Bareliya	2015IPG-022	Post Matric Scholarship
2.	Vikas Parmar	2015IPG-106	Post Matric Scholarship
3.	Ashish Dadoriya	2017IMG-013	Post Matric Scholarship
4.	Praveen Prajapati	2015IPG-066	Post Matric Scholarship
5.	Rajesh Prajapati	2016IPG-080	Post Matric Scholarship
6.	Sahil Kureel	2015IPG-080	Post Matric Scholarship
7.	Rahul Goyal	2015IPG-070	Post Matric Scholarship
8.	Nikhil Choudhary	2018IMT-058	Post Matric Scholarship
9.	Pushpak Dhakad	2015IPG-069	Post Matric Scholarship
10.	Deepak Kumrawat	2016IPG-033	Post Matric Scholarship
11.	Java Sonker	2017IPG-007	Post Matric Scholarship

Details of State (Madhya Pradesh) MMVY Scholarship for the Period 2018-19

S. No.	Name of Student	Roll Number	Scholarship
1.	Adarsh Chaurasiya	2018IMT-05	Mukhya Mantri Medhavi Vidhayarathi Yojana
2.	Anand Verma	2018IMT-16	Mukhya Mantri Medhavi Vidhayarathi Yojana
3.	Abhay Gupta	2018IMT-23	Mukhya Mantri Medhavi Vidhayarathi Yojana
4.	Ayush Rai	2018IMG-17	Mukhya Mantri Medhavi Vidhayarathi Yojana
5.	Manish Dabgi	2018IMG-29	Mukhya Mantri Medhavi Vidhayarathi Yojana
6.	Sanskar Rathore	2018IMT-90	Mukhya Mantri Medhavi Vidhayarathi Yojana
7.	Shivam Agarwal	2018IMT-94	Mukhya Mantri Medhavi Vidhayarathi Yojana
8.	Shivam Soni	2018IMT-95	Mukhya Mantri Medhavi Vidhayarathi Yojana
9.	Rishab Agrawal	2018IMG-46	Mukhya Mantri Medhavi Vidhayarathi Yojana

Training & Placement

Placement session for the batch 2018-19 have started from Aug 2018. The Pre-final year students after internship in various organizations were highly appreciated. This year approximately 18% students offered "Pre- Placement Offers" (PPOs) by eminent companies viz: BNY Mellon, Qubole Software, Cartesian Consulting, Toppr, Innoplexus, Goldman Sachs, Inmobi, Myntra, Go-Jek, Leap & Scale and Goibibo.

During the session 2018-19 apart from the regular visitors, many new organizations have shown their interest for final placements. A total of 46 companies visited the institute for placements of M.Tech and MBA batches. Out of these 38 companies visited in 2018-19 session for recruiting M.Tech students. Total 127 students appeared for campus placement process and 156 offers were received by 108 students.

For MBA, total 09 companies visited the institute. 24 students appeared in the campus placements out of which 16 students received final placements as on date. Some of the students did not take part in corporate placement process as they were keen to make their careers in the field of Academics/ Govt Jobs/ PSUs undertaking. Other details of companies visited the institute are as follows.

Regular Recruiters : BNY Mellon, Dell R & D, Paytm, TCS, Infosys, Carwale, HCL, The Smart Cube, IBM, Samsung R & D, Mech Mocha, HDFC AMC, Newgen, Religare, Nagarro.

First-time Recruiters : Trident Group, Myntra, MathsWork, PWC (US), ZS Associates, Qubole Software, Cartesian Consulting, Toppr, Innoplexus, Goldman Sachs, Inmobi, GoJek, Leap & Scale, Goibibo, Aganitha, Chargebee, Zolo Stays, Early Salary, WNS, High Beam, Click.ai

S.No.	Course	Total No. of Students	Eligible students Placed	Placement % of Eligible Students
		2018-19	2018-19	2018-19
1.	IPG-M.Tech	109	85*	78
2.	PG-M.Tech	66	28*	42.42
3.	IPG- MBA	12	6*	50
4.	PG- MBA	17	12*	70.58

The names of the companies visited for M.Tech (IPG+PG) batch.

S. No.	Date of Visit	Name of Company
1.	17.07.18	BNY Mellon
2.	20.07.18	Qubole Software
3.	03.08.18	Carteisan Constt
4.	08.08.18	Toppr
5.	09.08.18	Innoplexus
6.	12.08.18	Goldman Sachs
7.	14.08.18	Inmobi
8.	23.08.18	Myntra
9.	27.08.18	Go-Jek
10.	12.09.18	Leap & Scale
11.	20-24.08.18	TCS Digital
12.	09-13.08.18	Aganitha
13.	09-13.08.18	Dell R & D for PG M.Tech
14.	20-21.08.18	Chargebee
15.	17 & 23.08.18	Paytm
16.	29 & 30.08.18	Carwale
17.	2 & 3.09.18	TCS Ninja
18.	06.09.18	HCL
19.	16 & 21.09.18	ZS Associates
20.	17 & 19.09.18	The smart cube

S. No.	Date of Visit	Name of Company
21.	18 & 20.09.18	MathWorks
22.	28 & 30.08.19	Infosys
23.	06 & 07.10.18	IBM
24.	11.10.18	HCL (IS)
25.	25.10.18	Sigmoid
26.	28.10.18	Samsung R & D
27.	29.10.18	Zolostays
28.	14-19.10.18	Dell EMC
29.	19.10.18	Mech Mocha
30.	14.12.18	HCL (JAVA)
31.	22-23.01.19	EarlySalary
32.	30-01.02.19	PWC (US)
33.	14.03 - 27.3.19	WNS
34.	18.3.19	Religare
35.	1.4.19	SRGOC
36.	5.4.19	Toppr
37.	22.4.19	HCL (VLSI)
38.	27.4.19	KIET
39.	10.6.19	Smart Control
40.	09.07.19	HDFC

The names of the companies visited for MBA (IPG + PG) batch

S. No.	Date of Visit	Name of Company
1.	17 & 19.09.18	The Smart Cube
2.	26&27.09.18	Nagarro
3.	4.10.18	Jaro Education
4.	05.01.19	Trident Group
5.	9.01.19	HDFC AMC
6.	30.01.19 & 9.02.19	TCS
7.	9.3-13.3.19	TCS for HR
8.	18.3.19	Religare
9.	11.4.19	High Beam

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 - M.Tech	Inforida Technologies
2.	Abhishek Singh	2014IPG-002	IPG - M.Tech	Leap & Scale Growth Partners
3.	Adarsh Trivedi	2014IPG-003	IPG - M.Tech	Innoplexus
4.	Aditi Agarwal	2014IPG-004	IPG - M.Tech	Xplorazzi Adventures Private Limited
5.	Akanksha Goel	2014IPG-005	IPG - M.Tech	SAS Institute Inc.
6.	Akash Soni	2014IPG-006	IPG - M.Tech	Youth Empowerment Foundation
7.	Akshit Agarwal	2014IPG-008	IPG - M.Tech	EBSAVVY INFOTECH PVT LTD.
8.	Alok Singh	2014IPG-009	IPG - M.Tech	Innoplexus
9.	Amar Kumar	2014IPG-010	IPG - M.Tech	kanishkait.Pvt.Ltd
10.	Amar Prakash	2014IPG-011	IPG - M.Tech	Quezx (quetzal privated limited)
11.	Anant Upadhyay	2014IPG-013	IPG - M.Tech	BrainPlay Learning Solution
12.	Aniket Gupta	2014IPG-014	IPG - M.Tech	BNY Mellon Technology
13.	Anjali	2014IPG-015	IPG - M.Tech	Maxtron Innovations
14.	Ankur Singhal	2014IPG-016	IPG - M.Tech	Idealoom Ventures Private Limited
15.	Anshul Jain	2014IPG-017	IPG - M.Tech	Xenon Automotive India Private Limited
16.	Anurag Sharma	2014IPG-019	IPG - M.Tech	Analytic Edge
17.	Archit Joshi	2014IPG-021	IPG - M.Tech	Go-Jek Tech
18.	Arpit yadav	2014IPG-022	IPG - M.Tech	Myntra
19.	Ashish Chauhan	2014IPG-023	IPG - M.Tech	Inforida
20.	Ashish Tiwari	2014IPG-024	IPG - M.Tech	Myntra
21.	Ashutosh Dwivedi	2014IPG-025	IPG - M.Tech	Repup.co
22.	Chahes Chopra	2014IPG-031	IPG - M.Tech	BNY MELLON
23.	Nikitha Chilivery	2014IPG-033	IPG - M.Tech	Spatez technology
24.	D Sanjana Reddy	2014IPG-034	IPG - M.Tech	Kriest technologies
25.	Deepak Kumar	2014IPG-035	IPG - M.Tech	CANGRA TALENTS Pvt Ltd
26.	Divanshu Khandelwal	2014IPG-037	IPG - M.Tech	Tabmentor
27.	Divya Kumari	2014IPG-038	IPG - M.Tech	NoBroker.com
28.	Gaurav Sharma	2014IPG-039	IPG - M.Tech	CltyTeens, Kota
29.	G.Prabhu Teja	2014IPG-040	IPG - M.Tech	Cryptx
30.	Kasulanati Sai Pramod	2014IPG-045	IPG - M.Tech	KHAALIJEB
31.	Khushboo Kumari	2014IPG-046	IPG - M.Tech	City Connections Technologies Pvt Ltd.
32.	Kriti Singhal	2014IPG-050	IPG - M.Tech	Innoplexus

33.	Lekhni Agarwal	2014IPG-051	IPG - M.Tech	Redcarpet
34.	Madhavendra Singh	2014IPG-053	IPG - M.Tech	Inforida Technologies
35.	Mayank Agarwal	2014IPG-055	IPG - M.Tech	Knudge.me
36.	Mona	2014IPG-056	IPG - M.Tech	ZumoSun International Research & Consultancy Pvt. Ltd.
37.	Neha Singh	2014IPG-059	IPG - M.Tech	Burosys Furniture Pvt. Ltd.
38.	Poomdla Sai Prasada Rao	2014IPG-060	IPG - M.Tech	AIMonk
39.	Sai Prasad	2014IPG-060	IPG - M.Tech	AIMONK
40.	Prajval Gupta	2014IPG-061	IPG - M.Tech	Busigence Technologies LLC
41.	Prakhar Dev Gupta	2014IPG-062	IPG - M.Tech	Toppr
42.	Pratik Nayan Dash	2014IPG-063	IPG - MBA	Even Keel Learning Solutions Ltd.
43.	Rahul Sant	2014IPG-064	IPG - M.Tech	MyMoneyMantra
44.	Rahul Verma	2014IPG-065	IPG - M.Tech	Yatra Online Pvt Ltd
45.	Rahul	2014IPG-066	IPG - M.Tech	Connaizen
46.	Ritik Verma	2014IPG-068	IPG - M.Tech	Go-jek Tech
47.	Rohit Kumar	2014IPG-070	IPG - M.Tech	Innoplexus
48.	Sagar Sharma	2014IPG-071	IPG - M.Tech	Roposo
49.	Abhinav Sanga	2014IPG-074	IPG - M.Tech	WOWSOME
50.	Sanjika Kumari	2014IPG-076	IPG - M.Tech	CityConnections Technologies Pvt Ltd.
51.	Saumya Tripathi	2014IPG-077	IPG - MBA	HungerBox- Eat Good Technologies Pvt. Ltd.
52.	Saurabh Sharma	2014IPG-078	IPG - M.Tech	MYNTRA
53.	Shantanu Tripathi	2014IPG-079	IPG - M.Tech	Elucidata
54.	Shivam Sinha	2014IPG-082	IPG - M.Tech	Qubole
55.	Shivani Mandeliya	2014IPG-083	IPG - MBA	State Bank of India
56.	Shruti Agarwal	2014IPG-084	IPG - M.Tech	BNY Mellon
57.	Shubham Jaroli	2014IPG-085	IPG - M.Tech	Goibibo-Ibibo group
58.	Shubham Sharma	2014IPG-086	IPG - M.Tech	AAIC Technologies
59.	Shubham Varshney	2014IPG-088	IPG - M.Tech	ZeroStack
60.	Sneha Susarla	2014IPG-090	IPG - M.Tech	Tata Research Design and Development Centre
61.	Suruchi Arya	2014IPG-092	IPG - M.Tech	Leap&Scale Growth Partners
62.	Syed Shameerur Rahman	2014IPG-093	IPG - M.Tech	Qubole
63.	Tanya Sharma	2014IPG-094	IPG - M.Tech	Myntra
64.	Utkarsh Goel	2014IPG-096	IPG - M.Tech	Myntra
65.	Vaibhav Khandelwal	2014IPG-098	IPG - M.Tech	Fynd Shopsense retail technologies Pvt. Ltd
66.	Vaibhaw Vishal	2014IPG-099	IPG - M.Tech	city teens

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

Visitors to the Institute for the year 2018-19

Many distinguished visitors have visited the institute in the year 2018-19. Table below presents details of such visits;

S. No.	Name of visitor	Particular	Date of Visit
1.	Prof. G. S. Singh	Rtd Prof from IIT Roorkee	30 Apr, 2018
2.	Dr. V. K. Rao	DRDE, Gwalior	30 Apr, 2018
3.	Dr Vikram Kumar	Ex-Director, NPL Delhi	30 Apr 2018
4.	Pt Dal Chand Sharma	Noted Pakhwaj Player	8 May 2018
5.	Ustad Mohi Baba Uddin Dagar	Noted Rudra Veena Player	8 May 2018
6.	Dr Saandeep Chaterjee	Registrar, IIT Delhi	12-13 May'18
7.	Prof. S. C. Sharma	Former HoD, JNKVV	21 Jun, 2018
8.	Mr. R D Gupta	Yoga Sansthan	21 Jun, 2018
9.	Mr. R B Verma	Yoga Sansthan	21 Jun, 2018
10.	Dr. Vinay	CARI, Gwalior	21 Jun, 2018
11.	Pt. Vinod Kr. Dwivedi	A legendary vocalist	21 Jun, 2018
12.	Prof. P. B. R. Dissanayake	University of Peradeniya, Srilanka	10-15 Aug, '18
13.	Mr. Devkant Aggarwal	IBM India	15 Aug, 2018
14.	Dr. Abhay Bhawe	Management Consultant	15 Aug, 2018
15.	Dr. Amrit Puzari	NIT Nagaland	15 Aug, 2018
16.	Prof K K Aagarwal	Ex-VC, IP University	23 Aug 2018
17.	Prof D B Phatak	Professor, IIT Bombay	23 Aug 2018
18.	Prof Somenath Biswas	Ex-Director, IIIT Allahabad	23 Aug 2018
19.	Mr Amandeep Singh	Noted Story teller	25 Aug 2018
20.	Ms Bani Yadav	Rally racer	25 Aug 2018
21.	Mr Goloka Vrndavana Dasa	ISKON Member	25 Aug 2018
22.	Ms Jyota Mandal	Judge	25 Aug 2018
23.	Ms Oyindrila Ray Ghosh	Fashin designer	25 Aug 2018
24.	Mr Pushkar Vohra	Co-founder, Blockslab.io	25 Aug 2018
25.	Mr Sandeep Jain	CEO Founder GeeksForGeeks	25 Aug 2018
26.	Kavi Tej Narayan Sharma	Famous Poet	26 Sep, 2018
27.	Kavi Madan Mohan Daanesh	Famous Poet	26 Sep, 2018
28.	Kavi Ramesh Muskaan	Famous Poet	26 Sep, 2018
29.	Kavi Prakhyaat Mishra	Famous Poet	26 Sep, 2018
30.	Dr. Anuj Tyagi	Famous Poet	26 Sep, 2018
31.	Ms Tulika Pandey	Scientist F, Meity	12 Nov 2018
32.	Prof S K Rao	VC, RVSKVV Gwalior	12 Nov 2018
33.	Dr. Pravin Chandekar	Scientist F, Meity	12 Nov 2018

34.	Mr Abhishek Sharma	CEO, Beyond Evolution Tech Solutions	12-13 Nov 2018
35.	Mr. Syamktishnan Aryan	Business Analyst & Product Manager, Stellaps Technologies	12 Nov 2018
36.	Mr Satish Kalokhe	Presidnet, QCFI	21-24 Dec 2018
37.	Mr D K Srivastava	Exec Director, QCFI	21-24 Dec 2018
38.	Mr T P Singh	General Manager, Northern Western Rilawya	21 Dec 2018
39.	Mr S J Pandya	Chairman, Woekers Education Board	21 Dec 2018
40.	Prof Ashol Mittal	Ex-president, QCFI	21-24 Dec 2018
41.	Prof B Chandra	Dept of Maths, IIT Delhi`	21-24 Dec 2018
42.	Dr Venkatesh Sundaram	Director, Metsurfin Pvt Ltd Gurgaon	26 Jan, 2019
43.	Prof B N Jain	Ex-VC, BITS Pilani	26 Jan, 2019
44.	Prof V S Chauhan	Chairman Executive Committee of NAAC	26 Jan 2019
45.	Prof .Balasubramanian Raman	Dept of Sc, IIT Roorkee	7 Mar 2019
46.	Dr Parta Pratim Roy	Dept of CSE, IIT Roorkee	7 Mar 2019

Visitors from Abroad

1.	Dr Ranjith Dissanayake	University of Peredenaiya, SriLanka	14 Aug 2018
2.	Dr. Samith Buddika	University of Peredenaiya, SriLanka	14 Aug 2018
3.	Dr Kushan Wijesundara	University of Peredenaiya, SriLanka	14 Aug 2018
4.	Dr.Abeykoon Damm	University of Peredenaiya, SriLanka	14 Aug 2018
5.	Prof Jurgen Bosse	Freie University, Berlin	1-25 Oct 2018
6.	Mrs. Dorothee Bosse	Artist, Berin	1-25 Oct 2018
7.	Mr. James Clarke	Waterford Institute of Technology, Ireland	12-13 Nov 2018
8.	Prof. Margit Zacharias	Vice President, University of Freiburg, Germany	1 Nov 2018
9.	Mrs Padmini Busgeet	Executive, National Productivity & Competitibbveness Council, Mauritus	21-22 Dec 2018
10.	Prof Surendra Saxena	Florida international university	27 Jan 2019
11.	Prof Ashok Srivastava	Lousiana State Unievsty, USA	27-28 Jan 2019
12.	Prof. Gonzalo Gutiérrez	University of Chile	27-28 Jan 2019

Faculty

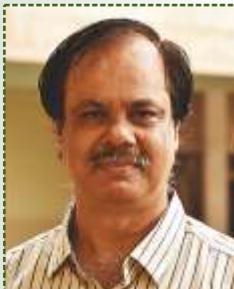
ABV-IITM, Gwalior faculty members are committed teachers and leading researcher. The faculty members have shared spirit, and that's reflected in both research and in the classroom. With an adequate student body and warm community, ABV-IITM students get unparalleled access to this knowledge. Faculty members 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-medical Image 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	Soft computing. Quantum computing & Information. Distributed and Computing and Optimization Techniques. Grid computing. 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 Behavior
13	Organizational Behaviour	Behavioral 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-IIITM, 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 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>Prof Shashikala Tapaswi Ph D (IIT-Roorkee) Professor Area of Interest : Image & Video Processing Mobile Network, Adhoc Network</p>	
<p>Prof Anupam Shukla Ph D (NIT-Raipur) Professor Area of Interest: Soft Computing, AI, Speech Processing, Biomedical and Bio-informatics</p>	



Prof Aditya Trivedi

Ph D (IIT-Roorkee) Professor
Area of Interest: Digital Communication,
Adaptive Signal Processing



Prof Mahua Bhattacharya

Ph D (Calcutta University)
Professor
Area of Interest : Medical Image Processing, Soft Computing,
Pattern Recognition, Artificial Intelligence



Prof K V Arya

Ph D (IIT-Kanpur)
Professor
Area of Interest: Image Processing, Biometrics, Information Security,
Wireless Adhoc Networks, Secure Image Transmission,



Prof P K Singh

Ph D (IIT-Kharagpur) Professor
Area of Interest: Soft Computing, Multi-/Many-Objective
Optimization, Data Mining, Computer Networks,
Wireless and Sensor Networks



Prof Anurag Srivastava

Ph D (Barkatullah University, Bhopal) ;
PDF (Uppsala University, Sweden) Professor
Area of Interest : Computational Physica, Nano- Electronics (Device
Modelling), Thoretical Modeling of Nanomaterials and Nanostructures
IT Localization, E-Governance, ITApplications



Prof Manoj Patwardhan

Ph D (Jiwaji University)

Professor

Area of Interest : Human Resource Management, Change Management, Organizational Behavior, Leadership & Talent Management



Prof Joydeep Dhar

Ph D (IIT-Kanpur)

Professor

Area of Interest: Industrial Mathematics: Mathematical Modelling and Simulation in Environmental, EMS, Management systems: Financial Mathematics and Fuzzy logic Applications



Prof Naval Bajpai

Ph D (Pt. Ravishankar Shukla University, Raipur)

Professor

Area of Interest: Business Statistics, Business Research Methods, Multivariate Analysis, Marketing Research & Organizational Behaviour



Prof Pankaj Srivastava

Ph D (Allahabad University)

Professor

Area of Interest: Theoretical Condensed Matter Physics, Computational Nanoscience, Quantum Computing, Nanoelectronics, VLSI.



Prof Manisha Pattanaik

Ph D (IIT Kharagpur)

Professor

Area of Interest:

CMOS, Device/Circuits/System Co-Design, Characterization and Design of Low Power Logic and Memory



Prof Gyan Prakash

Ph D (IIT- Kanpur) Professor

Area of Interest: Supply Chain Management, Service Quality, Management Information System, Business Analysis and Intelligence, Public Systems: e-Governance, Health and Environment



Dr Ritu Tiwari

Ph D (NIT Raipur)

Associate Professor

Area of Interest: Robotics, Artificial Intelligence, Soft Computing and Applications



Dr Gaurav Agrawal

Ph D (Bundelkhand University, Jhansi)

Associate Professor

Area of Interest: Financial Economics, International Finance, Monetary Economics, Investment Management



Dr Ajay Kumar

Ph D (IIT Roorkee)

Associate Professor

Area of Interest: Reliability, Statistics, Fuzzy Sets and Fuzzy Logic, Optimization, and Soft Computing



Dr K K Pattanaik

Ph D in Engineering (BIT-Mesra)

Associate Professor

Area of Interest: Grid Computing, Mobile Computing, Multi Agent Systems



Dr Manoj Kumar Dash (On Lien)

Ph D (Berhampur University, Orissa)

Assistant Professor Grade-I

Area of Interest: Marketing Science, Econometrics Modeling in Marketing, Marketing Analytics, Marketing Research, Consumer Behaviour



Dr Vinay Singh

Ph D (IIT Kanpur) Assistant Professor Grade-I

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



Dr Vishal Vyas

Ph D (Vikram University, Ujjain)

Assistant Professor Grade-I

Area of Interest: Financial Risk Management, Behavioural Finance, Project Feasibility and Finance, Derivatives, Portfolio Management and Investment Analysis



Dr W Wilfred Godfrey

PhD (IIT, Guwahati)

Assistant Professor Grade-I

Area of Interest: Artificial Intelligence-Robotics, Soft Computing, Multi-Agent Systems, Machine Learning



Dr Anuraj Singh

Ph D (IIT-Roorkee)

Assistant Professor Grade-I

Area of Interest: Mathematical Modeling, Nonlinear Dynamical Systems, Computational Biology, Control Theory



Dr Prasenjit Chanak

Ph D (IEST Shibpur)

Assistant Professor Grade-II

Area of Interest: Data Structure, Mobile Computing, Wireless Sensor Networks, Computer Network



Dr Saumya Bhaduria

Ph D (IIT-Indore)

Assistant Professor Grade-II

Area of Interest: Computer Organization and Architecture, Information security, Network security, Optimization Techniques



Dr Neetesh Kumar

Ph D (JNU, New Delhi)

Assistant Professor Grade-II

Area of Interest: Design and Analysis of Algorithms, DBMS, Parallel Computing, Cloud Computing



Dr Yash Daultani

Fellow, IIM Lucknow

Assistant Professor Grade-II

Area of Interest: Operations Management, Service Operations Management, Supply Chain Management, Total Quality Management, Lean Six Sigma Processes



Dr. Gaurav Kaushal

PhD (IIT, Roorkee)

Assistant Professor Grade-II

Area of Interest: VLSI



Dr. Jeevaraj S

Ph.D. (NIT Tiruchirappalli)
Assistant Professor Grade-II
Area of Interest: Fuzzy Mathematics



Dr. Arun Kumar

Ph.D. (ABV-IIITM, Gwalior)
Assistant Professor Grade-II
Area of Interest: Marketing



Dr. Somesh Kumar

Ph.D. in Electrical Engineering
(IIT Ropar, Punjab)
Assistant Professor Grade-II
Area of Interest: VLSI Design & CAD



Dr. Sunil Kumar

Ph.D. (IIT Guwahati)
Assistant Professor Grade-II
Area of Interest : Signal Processing, Image Processing and Computer Vision, Pattern Recognition and Artificial intelligence.



Dr. Binod Prasad

Ph.D. (NIT Durgapur)
Assistant Professor Grade-II
Area of Interest : Cognitive radio network, Cooperative communication, RF energy harvesting



Dr. Debanjan Sadhya

Ph.D. (IIT-BHU)

Assistant Professor Grade-II

Area of Interest : Biometric security and identification, Data privacy.



Dr. Vinal Patel

Ph.D. (IIT Gandhinagar)

Assistant Professor Grade-II

Area of Interest:Signal Processing



Dr. Santosh Singh Rathore

Ph.D. (IIT Roorkee)

Assistant Professor Grade-II

Area of Interest:Computer Science/ Software Engineering



Dr. Pinku Ranjan

Ph.D. [IIT (ISM), Dhanbad]

Assistant Professor Grade-II

Area of Interest: Electrical / Electronics



Dr. Rajesh Rajagopal

Ph.D. (Indian Institute of Space Science and Technology)

Indian Institute of Technology Madras (Post-Doc)

Assistant Professor Grade-II

Area of Interest: Operations Management



ADMINISTRATIVE OFFICERS

GROUP "A" OFFICERS

Shri Ram Phal Dwivedi

MCA, MPM, LLB
Registrar



Shri Pankaj Gupta

M.Com, MBA
Joint Registrar



Shri D P Singh (on deputation)

MBA, MA, LLB.
Joint Registrar



Shri Anil Garg

M.Com, MBA, LLB
Assistant Registrar



Mr. R.P. Dwivedi joined as a Registrar in the Institute on 31st August, 2018. Before joining the Institute he was working in IIT Indore as a Registrar. He has also worked in IIT (ISM) Dhanbad and PDPM-IIITDM Jabalpur in responsible positions.

Faculty/Officers, who were on Lien/Deputation during the year 2018-19

- 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 w.e.f. 05.04. 2017 - 04.04. 2020.
- Dr Karm Veer Arya, Associate Professor, ABV-IIITM Gwalior was on lien for the period of two years w.e.f. 11.09. 2017 (A/N) at Dr APJ Abdul Kalam Technical University, U. P., Institute of Engineering & Technology, Lucknow , Uttar Pradesh he was repatriated on 27th February 2019 and joined the Institute as Professor.
- Dr. Manoj Kumar Dash, Assistant Professor, ABV-IIITM Gwalior is on lien for the period of one year w.e.f. 8/6/18 to serve as Associate Professor at Khallikote University, Berhampur, Odisha.

Faculty/Officers, who resigned from the Institute during the year 2018-19

- Dr Pradip Swarnakar relieved from the post of Associate Professor of ABV-IIITM Gwalior on 31st December 2018 (AN) to join IIT Kanpur.

Adjunct Faculty

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

Officers and Staff

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

S.No.	Name of Employee	Designation
1.	Mr Dinesh Kr. Dwivedi	Security Officer
2.	Dr. Ekta Sakwar	Junior Superintendent
3.	Mr Virendra Kumar Joshi	Junior Superintendent
4.	Mr Sanjay Kumar Soni	Junior Superintendent
5.	Dr J P Sharma	Junior Superintendent
6.	Mr Vijay Kr. Dwivedi	Junior Superintendent
7.	Mr Narendra Singh Tomar	Junior Superintendent
8.	Ms Deepa Singh Sisodiya	Senior Technician
9.	Mr Trepan Singh Koundal	Cashier
10.	Mr Hemant Pratap Verma	Senior Technician
11.	Mr Lokendra Singh Mavai	Senior Technician
12.	Mr Mahesh Singh Dhakad	Senior Technician
13.	Mr.Rampal Singh Kushwah	Senior Technician
14.	Mr Alok Singh Jadon	Senior Technician
15.	Mr.Narendra P S Chauhan	Senior Technician

Conferences/Symposiums/ FDPs/MDP/Short Term Training Programmes Conducted during 2018-19

S.No.	Date	Title	Coordinator	No. of Participants
1.	27-29 Jan 2019	International conference on nanomaterials & devices for Energy & Environment	Prof Anurag Srivastava	210
2.	21st to 24th December 2018	32nd National Convention on Quality Concepts (NCQC 2018) organized at ABV - IIITM	Dr. Yash Daultani Mr S Dhunde	10450
3.	8-14 Oct 2018	FDP on Physics & Technology of Materials	Prof Pankaj and Prof Anurag	25
4.	21-26 Sep 2018	FDP on Data Analytics in Management Research	Dr Naval Bajpai	20
5.	2 Sep 2018	Quality circle convention	Dr Yash Daultani	110
6.	19-24 May 2018	FDP on Data Analytics in Management Research	Dr Gaurav Agrawal & Dr Manoj Dash	30
7.	12-13 May 2018	MDP on measuring Financial Productivity of Centrally Funded Institutes	Dr Gaurav & Dr Manoj Dash	20
8.	30 April 2018	Brainstorming workshop on Need Assessment & resource sharing for Science & technology Researchers in Gwalior	Dr Anurag & Dr Pankaj Srivastava	25
9.	20-25 April 2018	FDP on Advanced Data Analytics in Marketing & sharing for Finance	Dr Vishal Vyas, Dr Manoh Dash and Dr Naval Bajpai	25
10.	05-08 April 2018	2018 Research Scholar Conclave	Dr Neetesh, Dr Anuraj, Dr Chanak, Dr Saumya, Dr Gaurav Kaushal, Dr Yash	22
11.	12 March 2019	हिन्दी में कामकाज करने के लिये हमारा मनोविज्ञान	हिन्दी विभाग	50

Workshop/Conferences/Symposiums attended by Faculty Member during the Year 2018-19

S.No.	W/C/S	Int./Nat.	Title	Date	Place
Dr. K. K. Pattanaik	C	Int.	9th International Conference on Sustainable Built Environment 2018 (ICSBE)	13-15 Dec 2018	Kandy, Srilanka
Dr. Saumya Bhaduria	C	Int.	IEEE ANTS 2018	16-19 Dec. 2018	Indore, India
Dr. Gaurav Kaushal	C C	Int. Int.	INAC IEEE Proc. UPCON	Jan. 2019 Nov. 2018	Gwalior Gorakhpur

W : Workshop C : Conference S : Symposiums

Workshop/Conference/Training Programm attended by the Non-faculty Officers and Staff during 2018-19

Name of Officer & Staff	Purpose / Topic	Duration	Date		Organized by
Ms Deepa Singh Sisodiya	Workshop on All India Survey on Higher Education (AISHE) 2017-18 Data Capture Format (DCF) and Teacher Information Format (TIF)	01 day	13.06.2018	-	Organised by, Ministry of Human Resource Development, Government of India at Barkatullah University, Bhopal
	Yoga and Meditation Workshop	01 day	21.06.2018		Organised by ABV-IITM Gwalior
	Workshop on National Academic Depository (NAD)	01 day	25.07.2018	-	Organised by University Grants Commission, CRO, Bhopal at Bhopal School of Social Sciences, Bhopal
	Government Buyer Training on GeM	01 day	04.10.2018		GeM - Government-e-Marketplace, Ministry of Commerce and Industry, Government of India organized at Udyog Vihar, Gurugram, Haryana
	National Workshop on Government-e-Marketplace (GeM)	01 day	09.10.2018		Organised by MHRD at AICTE Auditorium, New Delhi
	Training Program on Public Procurement (Advanced)	05 days	22.10.2018	26.10.2018	Organised by National Institute of Financial Management (Ministry of Finance, Government of India), Faridabad, Haryana
	5th International Conference on Green Computing and Engineering Technology 2019 (ICGCET®-2019). 17 Sep - 19 September 2019, Title : Power Efficient Frequency Scaled and Thermal-Aware Control Unit Design on FPGA	03 Days	17.09.2019	19.09.2019	Organised by Ayoub Bhannase, University Hasan II, Casablanca, Morocco

	5th International Conference on Green Computing and Engineering Technology 2019 (ICGCET®-2019). 17 Sep - 19 September 2019 Title : Leakage Power Consumption of Address Register Interfacing With different Families of FPGA	03 Days	17.09.2019	19.09.2019	Organised by Ayoub Bhannase, University Hasan II, Casablanca, Morocco
Sanjay Kumar Soni	Training session on CMIE databases on Monitoring Indian Economy	01 Day	24.04.2019	-	Head Commodities CMIE organized at ABV-IIITM Gwalior
	21st National convention on Knowledge, Library & Information Networking	03 Days	4.10.2018	6.10.2018	At GITAM, Visakhapatnam & organized by DELNET, New Delhi.
	हिन्दी में कामकाज करने के लिये हमारा मनोविज्ञान	01 Day	12.03.2019	12.03.2019	ABV-IIITM Gwalior

Workshop Conducted by LRC

The following activities have been conducted by Dr. P. K Singh, Chairman, and Library Committee in the Institute Library Resource Center:

1. **"EBSCO Discovery Services : A Complete Discovery Solution for Libraries"** Resources Providing Unified Index and a Single Search Experience on 31 Jul, 2018.

Venue : B-205, ABV-IIITM, Gwalior

Participant : More than 30 Participants including Research Scholars, PG, UG Students, Faculty Members and Library Professionals of ABV-IIITM Fraternity.

Speaker : Lakhpat Singh, Training Manager, EBSCO Information Services

Workshop Theme: Springer Nature - User Awareness Program

2. **"Springer Nature : User Awareness Program"** on 6 Sep, 2018

Venue : B-211, ABV-IIITM, Gwalior

Participant : More than 25 Participants including Research Scholars, PG, UG Students, Faculty Members and Library Professionals of ABV-IIITM Fraternity.

3. **"Science Direct, Scopus and Mendeley : User Awareness Program"** on 7 Sep, 2018

Venue : B-211, ABV-IIITM, Gwalior

Participant : More than 25 Participants including Research Scholars, PG, UG Students, Faculty Members and Library Professionals of ABV-IIITM Fraternity.

Learning Resource Center

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

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

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

Steps & Activities

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

S.No.	Titles Information	Production during 2017-18	Production during 2018-19	Increase
1	Stack Section (25797), Donated (1291) Book Bank (2962)	29324	30050	726
2	E-Books	6891	8248	1357
3	Print Journals	16	16	-
4	Number of MTech (1551), MBA (808) Thesis include [IPG], Ph D Thesis (81)	2214	2440	226
5	Text Book CD's= (1822), NPTEL Lecture CD's (921) & DVD's (247)	3022	3105	83
6	Annual Report	198	210	12
7	Newspapers	18	19	1

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

Some of the salient features of the library are:

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

In addition to approximately 30,000+ 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.

Electronic Resources Available at Learning Resource Center

S. N.	Name of E-Resource	Website
1	ACM Digital Library	http://portal.acm.org/portal.cfm
2	The IEEE/IEE Electronic Library (IEL)	http://ieeexplore.ieee.org/
3	Springer Link	http://www.springerlink.com
4	MathSciNet	http://www.ams.org/mathscinet
5	Science Direct:	http://www.sciencedirect.com
6	EBSCO's Business Source Premier	http://search.epnet.com
7	Indiastat.com	http://www.indiastat.com
8	J-Stor	http://www.jstor.com
9	Emerald insight	http://www.emeraldinsight.com
10	Economic & Political Weekly	http://www.epw.in
11	Institute for Studies in Industrial Development (ISID) Database	http://isid.org.in/home.html
12	JGate Plus (JCCC)	http://jgateplus.com/search/
13	Nature	http://www.nature.com/index.html
14	Oxford University Press	http://www.oxfordjournals.org/en/
15	Web of Science Lease Access	http://apps.webofknowledge.com
16	Taylor & Francis e-Books Collection (393 titles)	http://www.crcnetbase.com/
17	IEEE-Wiley e-Books collection (480 titles)	http://ieeexplore.ieee.org/
18	Springer eBooks Collection (7415 titles)	http://www.springerlink.com
19	PROWESS (IP Based)	https://prowessiq.cmie.com/
20	Economic Outlook -IP Bases (Formerly Business Beacon & EIS)	http://economicoutlook.cmie.com/

21	Industry Outlook (IP Based)	http://industryoutlook.cmie.com/
22	TradeDx (IP Based)	https://tradedx.cmie.com/
23	Communications of the ACM	http://cacm.acm.org/
24	Journal of Interconnection Networks	http://www.inderscience.com/jhome.php?jcode=ijsi
25	Evolutionary Computation	http://www.mitpressjournals.org/loi/evco
26	Journal of Management	http://jom.sagepub.com
27	Journal of Entrepreneurship	http://joe.sagepub.com
28	Physical Review Fluids	https://journals.aps.org/prfluids/
29	Physical Review Applied	https://journals.aps.org/prapplied/
30	Physical Review letters	https://journals.aps.org/prl/
31	Reviews of Modern Physics	https://journals.aps.org/rmp/
32	Physical Review A	https://journals.aps.org/pra/
33	Physical Review B	https://journals.aps.org/prb/
34	Physical Review C	https://journals.aps.org/prc/
35	Physical Review D	https://journals.aps.org/prd/
36	Physical Review E	https://journals.aps.org/pre/
37	Physical Review Online Archive- PROLA	https://journals.aps.org/archive
38	Physical Review Accelerators and beams	http://journals.aps.org/prstab/
39	Physical Review Physics Education Research	http://journals.aps.org/prstper/
40	Physical Review X	http://journals.aps.org/prx/
41	Physics	http://physics.aps.org/
42	Physical Review Materials	journals.aps.org/prmaterials
43	Grammarly (web-tool)	https://app.grammarly.com
44	TURNITIN (web-tool)	https://www.turnitin.com/

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.

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	manishapattanaik	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	Dr. Neetesh Kumar	nkiiitmg	Research
L-20	Information Security Lab	D-002	Dr K V Arya	kvarya	Research & Teaching

L-21	Wireless Sensor Network	A-116	Dr K K Pattanaik	kkpatnaik	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	manojdash	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	ritutiwari	Research
L-26	Thin Clinet Lab	A-213	Dr Ritu Tiwari	ritutiwari	Research
L-27	Enterprise Integration Lab	D-104	Dr Manoj Patwardhan	manojp	Research
L-28	Data Analysis Lab for Business Management & Social Science Research	C-210	Dr Naval Bajpai	nbajpai	Data Analysis
L-29	Emerging Computing Lab	LT-2 (102)	Dr Saumya	saumya	Teaching & Resesrch
L-30	IOT based lab	D-008	Dr P Chanak	pchanak	Teaching & Resesrch
L-31	IEEE project lab	F-203	Dr Somesh Kumar	somesh	Resesrch
L-32	Speech and Image Processing Lab	F- 210	Dr Ritu Tiwari	ritutiwari	Teaching & Resesrch
L-33	Machine Learning and Software Development Lab	LT2:102	Dr P Chanak	pchanak	Tecahing & Resesrch

Ongoing Sponsored Projects of 2018-19

S. No.	Name of Project	P.I.	Sponsoring Agency
1	MultiMobile Agent System based Train Operations under Moving Block	Dr. Kiran Kumar Pattanaik	MCIT, DIT, New Delhi
2	Multi Mobile Wireless Sensor Networks in Tracking & Surveillance,	Prof. Anupam Shukla	DeITY, MCIT, New Delhi
3	Web enabled Electronic Personal Medicine Administrator for Elderly	Dr. Kiran Kumar Pattanaik	DST, Seed Division, New Delhi
4	Ab-initio investigation of structural and electronic and Optical properties of B(In)-V Nanowires	Dr. Anurag Srivastava	DAE, BRNS, Mumbai
5	Exploitation and conservation of forestry resources using mathematical models.	Ms. Manisha Chaudhary Dr. Joydeep Dhar	MST, DST, New Delhi
6	Ab-initio study of Mn-doped II-VI and III-V semiconducting Nanowires	Dr. Pankaj Srivastava	SERB, New Delhi

7	To study the effect of electromagnetic radiation on biological cell /tissues Blood cell using Non invasive imaging	Dr. Mahua Bhattacharya	DST , New Delhi
8	Special Manpower Development Programme for chips to system Design	Prof. G K Sharma	DeITY/MCIT
9	ISEA Phase - II	Prof. Shashikala Tapaswi	DeITY New Delhi
10	Complexity and its control in Nonlinear Dynamical Systems	Dr. Anuraj Singh	SERB,New Delhi
11	Theoretical Investigations of Hazardous gas Adsorption on antimonene Nanoribbons	Dr. Pankaj Srivastava	SERB,New Delhi
12	Establishing a Business Incubator for promoting the Development and Growth of SMEs at Malawi Project	Prof Rajendra Sahu	MEA,NEW DELHI
13	Elder Abuse : A Comparative Study In Delhi , Mathura and Gwalior	Dr Naval Bajpai	ICSSR ,New Delhi
14	IIITMG CARS 2016	Dr Gyan Prakash	DRDO-NPOL ,KOCHI
15	Wireless Sensor In Network Distributed Detection Mechanisma for Structural Health Monitoring in Civil Structures	Dr K K Pattanaik	DST and MSTR (Srilanka)
16	Development of a smart monitoring system for health and oestrous of dairy cows in remote location	Dr Prasenjit Chanak	DST,New Delhi
17	Design and performance evaluation of 2D Materials in MOS Devices for low power VLSI application	Dr Subhra Dhar	DST,New Delhi
18	Production of Swayam courses under National Resource Centre for Opeations	Dr Gyan Prakash	AICTE, New Delhi (PMMMNMSTT Schm)
19	Deep learning based CAD system for lung cancer diagnosis	Ms Jenkin R Suji	WOS-/DST New Delhi
20	Morphological and Neurobiological Changes in Spinocerebellar Ataxia Affected Patients (SCA) through MRI Techniques USING Computer Vision Based Analysis”	Dr Mahua Bhattacharya	SERB, DST, New Delhi
21	Benzene Derivatives based single electron transistor quantum dots for toxic gas sensing	Dr Anurag Srivastava	SERB, DST, New Delhi
22	IoT based automated Real Time and effective Traffic Signal Scheduling for Smart City	Dr Neetesh Kumar	DST, New Delhi
23	Assessing the user satisfaction of NPTEL and extricating policy implications of e-learning	Dr Yash Daultani	IMPRESS, MHRD

Publications/Conferences

Publications reflect the area of interest 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 2018-19, 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	Santosh Singh Rathore and Sandeep Kumar	Fault Prediction Modeling for the Prediction of Number of Software Faults	Springer Brief in Computer Science, Springer, Singapore	2019
2	J C Bansal, P K Singh and N R Pal	Evolutionary and Swarm Intelligence Algorithms	Springer	2019
3	B S. Rawat , A Trivedi , S Manhas and V Karwal	Advances in Signal Processing and Communication: Select Proceedings of ICSC 2018	Springer, Lecture notes in Electrical Engineering	2018
4	C P Kapse, Manoj Dash	An Investigation of Entrepreneurial Inclination among Engineering Students: A Study Based on Multi-Criteria Decision Approach	Global Research Publications	2018
5	Karm Veer Arya, R S Bhadoria, N S Chaudhari	Emerging Wireless Communication and Network Technologies: Principle, Paradigm and Performance	Springer	2018

In 2018-19, ABV-IITM faculty members have published many research papers. Few selected papers indexed in SCOPUS are presented here :

2019

1. Agrawal, N. & Tapaswi, S. 2019, "A trustworthy agent-based encrypted access control method for mobile cloud computing environment", Pervasive and Mobile Computing, vol. 52, pp. 13-28.
2. Arya, K.V., Rajput, S.S. & Upadhyay, S. 2019, Noise-Robust Low-Resolution Face Recognition Using SIFT Features.
3. Bohat, V.K. & Arya, K.V. 2019, "A new heuristic for multilevel thresholding of images", Expert Systems with Applications, vol. 117, pp. 176-203.
4. Dewangan, R.K., Shukla, A. & Wilfred Godfrey, W. 2019, Path Planning for Multiple Mobile Robots by Priority Assignment.
5. Dixit, A., Mishra, A. & Shukla, A. 2019, Vehicle routing problem with time windows using meta-heuristic algorithms: A survey.
6. Dutta, U., Soni, M.K. & Pattanaik, M. 2019, "Simulation study of hetero dielectric tri material gate tunnel FET based common source amplifier circuit", AEU - International Journal of Electronics and Communications, vol. 99, pp. 258-263.
7. Mishra, I., Mishra, I. & Prakash, J. 2019, Differential evolution with local search algorithms for data clustering: A comparative study.
8. Pachauri, B., Kumar, A. & Dhar, J. 2019, "Reliability analysis of open source software systems considering the

effect of previously released version", *International Journal of Computers and Applications*, vol. 41, no. 1, pp. 30-37.

9. Passi, R., Jain, S. & Singh, P.K. 2019, Hybrid approach for recommendation system.
10. Rajput, S.S., Arya, K.V. & Bohat, V.K. 2019, Face Image Super-Resolution Using Differential Evolutionary Algorithm.
11. Singhal, A., Roy, D., Mittal, S., Dhar, J. & Singh, A. 2019, A new computational approach to identify essential genes in bacterial organisms using machine learning.
12. Singhal, K., Agarwal, E., Yadav, A. & Singh, A. 2019, Classification of Hand Movement Stages for Brain-Computer Interface Using Convolutional Neural Network.

2018

1. Agrawal, A., Singh, V., Jain, S. & Gupta, R.K. 2018, "GCRP: Grid-cycle routing protocol for wireless sensor network with mobile sink", *AEU - International Journal of Electronics and Communications*, vol. 94, pp. 1-11.
2. Agrawal, N. & Tapaswi, S. 2018, "A Lightweight Approach to Detect the Low/High Rate IP Spoofed Cloud DDoS Attacks", *Proceedings - 2017 IEEE 7th International Symposium on Cloud and Service Computing, SC2 2017*, pp. 118.
3. Agrawal, N. & Tapaswi, S. 2018, Access Control Framework Using Dynamic Attributes Encryption for Mobile Cloud Environment.
4. Agrawal, N. & Tapaswi, S. 2018, "Low rate cloud DDoS attack defense method based on power spectral density analysis", *Information Processing Letters*, vol. 138, pp. 44-50.
5. Anand, V., Jain, A., Pattanaik, K.K. & Kumar, A. 2018, "Traffic aware field-based routing for wireless sensor networks", *Telecommunication Systems*, .
6. Anu, Srivastava, A. & Khan, M.S. 2018, "Charge stability diagram and addition energy spectrum for single-electron transistor based on Ni-dithiolene derivatives", *Organic Electronics: physics, materials, applications*, vol. 59, pp. 125-130.
7. Anu, Srivastava, A. & Khan, M.S. 2018, "First principle study of single electron transistor based on metal-organic complex of dibenzothiophene", *Organic Electronics: physics, materials, applications*, vol. 53, pp. 227-234.
8. Arya, K.V., Rajawat, A., Pandey, M.K. & Rajput, S.S. 2018, "Very low resolution face recognition using fused visual and texture features", *2017 Conference on Information and Communication Technology, CICT 2017*, pp. 1.
9. Bangroo, R., Kumar, N. & Sharma, R. 2018, A model for multi-processor task scheduling problem using quantum genetic algorithm.
10. Barsing, P., Daultani, Y., Vaidya, O.S. & Kumar, S. 2018, "Cross-docking Centre Location in a Supply Chain Network: A Social Network Analysis Approach", *Global Business Review*, vol. 19, no. 3_suppl, pp. S218-S234.
11. Bhardwaj, C., Sharma, R.R. & Arya, K.V. 2018, "Flag-bit based co-operative communication to avoid energy holes in Wireless Sensor Network", *11th International Conference on Industrial and Information Systems, ICIS 2016 - Conference Proceedings*, pp. 753.
12. Bharot, N., Verma, P., Sharma, S. & Suraparaju, V. 2018, "Distributed Denial-of-Service Attack Detection and Mitigation Using Feature Selection and Intensive Care Request Processing Unit", *Arabian Journal for Science and Engineering*, vol. 43, no. 2, pp. 959-967.
13. Bhat, R.A., Kumar, D., Alam, A., Mir, B.A., Srivastava, A., Malla, M.A. & Mir, M.A. 2018, "Synthesis, characterization, thermal and DFT studies of S-methyl-?-N-(3-(2-nitrophenyl)allylidene)dithiocarbazate as anti-bacterial agent", *Journal of Molecular Structure*, vol. 1173, pp. 72-80.
14. Bhat, R.A., Kumar, D., Malla, M.A., Bhat, S.U., Khan, M.S., Manzoor, O., Srivastava, A., Naikoo, R.A., Mohsin, M. & Mir, M.A. 2018, "Synthesis, characterization, computational studies and biological evaluation of S-benzyl-?-N-

- [3-(4-hydroxy-3-methoxy-phenylallylidene)]dithiocarbazate", *Journal of Molecular Structure*, vol. 1156, pp. 280-289.
15. Bhat, R.A., Kumar, D., Srivastava, A., Mir, B.A., Malla, M.A., Bhat, M.A. & Mir, M.A. 2018, "Experimental, DFT Studies and Biological Evaluation of S-methyl-?-N-(3-(2-nitrophenyl)allylidene)dithiocarbazate", *ChemistrySelect*, vol. 3, no. 25, pp. 7363-7369.
 16. Bhatia, M., Khan, M.S. & Srivastava, A. 2018, "Pressure induced phase transition in CdTe nanowire: A DFT study", *AIP Conference Proceedings*.
 17. Bhushan, B.S. & Srivastava, A. 2018, "Integrated and differential quantum capacitance of graphene: A DFT study", *AIP Conference Proceedings*.
 18. Bohat, V.K. & Arya, K.V. 2018, "An effective gbest-guided gravitational search algorithm for real-parameter optimization and its application in training of feedforward neural networks", *Knowledge-Based Systems*, vol. 143, pp. 192-207.
 19. Bohat, V.K. & Arya, K.V. 2018, "Artificial Prey-Predator (APP): An efficient approach for numerical function optimization", *2017 Conference on Information and Communication Technology, CICT 2017*, pp. 1.
 20. Budania, H. & Singh, P.K. 2018, Person versus non-person classification of Twitter handle.
 21. Chaitanya, V. & Singh, P.K. 2018, "Research articles suggestion using topic modelling", *IEEE 4th International Conference on Soft Computing and Machine Intelligence, ISCOMI 2017*, pp. 178.
 22. Chaudhary, R., Maduskar, D. & Tapaswi, S. 2018, "Optimization based QoS aware routing algorithm in MANET", *Proceedings - 2017 3rd International Conference on Advances in Computing, Communication and Automation (Fall), ICACCA 2017*, pp. 1.
 23. Chaudhry, R. & Tapaswi, S. 2018, "Bio-inspired energy conserving adaptive power and rate control in MANET", *Computing*, .
 24. Chaudhry, R. & Tapaswi, S. 2018, "Optimized power control and efficient energy conservation for topology management of MANET with an adaptive Gabriel graph", *Computers and Electrical Engineering*, vol. 72, pp. 1021-1036.
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 26. Chaurasia, N., Tapaswi, S. & Dhar, J. 2018, "A Resource Efficient Expectation Maximization Clustering Approach for Cloud", *Computer journal*, vol. 61, no. 1, pp. 95-104.
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 32. Dash, M.K. 2018, "Foreword", *Harnessing Human Capital Analytics for Competitive Advantage*, , pp. xvi.
 33. Dewangan, R.K., Shukla, A. & Godfrey, W.W. 2018, "Prioritized multi robot path planning in presence of dynamic obstacles", *2017 Conference on Information and Communication Technology, CICT 2017*, pp. 1.
 34. Dubey, P., Bajpai, N. & Guha, S. 2018, "Classifying customer 'wow', 'AHA', and 'cool' affect through arousal: A study on mobile users", *International Journal of Electronic Marketing and Retailing*, vol. 9, no. 1, pp. 37-58.
 35. Dutta, U., Soni, M.K. & Pattanaik, M. 2018, "Design & Optimization of gate-all-around tunnel FET for low power applications", *International Journal of Engineering and Technology(UAE)*, vol. 7, no. 4, pp. 2263-2270.

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42. Gunnery, S., Mishra, S. & Trivedi, A. 2018, "Hybrid cognitive Gaussian two-way relay channel: Performance analysis and optimal resource allocation", *Physical Communication*, vol. 27, pp. 106-115.
43. Gupta, A. & Singh, P.K. 2018, *Detection of insulting comments in online discussion*.
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45. Jadon, S.S., Bansal, J.C., Tiwari, R. & Sharma, H. 2018, "Artificial bee colony algorithm with global and local neighborhoods", *International Journal of Systems Assurance Engineering and Management*, vol. 9, no. 3, pp. 589-601.
46. Jadon, S.S., Sharma, H., Tiwari, R. & Bansal, J.C. 2018, "Self-adaptive position update in artificial bee colony", *International Journal of Systems Assurance Engineering and Management*, vol. 9, no. 4, pp. 802-810.
47. Jain, B., Vinod Kumar, K., SanthiBhushan, B., Gaurav, K., Pattanaik, M. & Srivastava, A. 2018, "A tetracene-based single-electron transistor as a chlorine sensor", *Journal of Computational Electronics*, vol. 17, no. 4, pp. 1515-1520.
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50. Jain, U., Tiwari, R. & Godfrey, W.W. 2018, *Odor source localization by concatenating particle swarm optimization and grey wolf optimizer*.
51. Jha, K.K., Jaiswal, N.K., Pattanaik, M. & Srivastava, P. 2018, "First-principle investigations for electronic transport in nitrogen-doped disconnected zigzag graphene nanoribbons", *Microelectronic Engineering*, vol. 199, pp. 96-100.
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Faculty Members on Various Editorial Boards of Journals and Outreach Activities/Lecture series for the year 2018-19

Faculty Name	Faculty Members as Reviewer and in Editorial Board
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.W.Wilfred Godfrey	<ul style="list-style-type: none"> • International Journal of Cognitive Informatics and Natural Intelligence (IJCINI) IGI Publishing Hershey, PA, USA April 2019 • Journal of Computational Science • Applied Intelligence, Springer • Physical Communication. Elsevier • Journal of Computational and Theoretical Nanoscience • International Conference on Emergent Research in Mathematics and Engineering • International Conference on computer Communication and Informatics (ICCCI) • IEEE 5th I2CT • VTC 2019 : IEEE Vehicular Technology Conference • International Conference on ICACCP • 8th Conference on Cloud Computing and Data Science- Confluence • Advances in Intelligent Systems and Computing
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. Saumya Bhadauria	IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Indore, India, 2018, pp. 1-5 in December 16-19, 2018
Dr. Gaurav Kaushal	<p>INAC in January 2019</p> <p>IEEE Proc. UPCON in November 2018</p> <p>V DAT in June 2018</p>
Dr. Somesh Kumar	International Journal for Scientific Research and Development (IJSRD) 2014

Ph D Thesis Report Awarded during the year 2018 - 19

S.No.	Thesis Title	Author	Supervisor(s)	Year
1.	Performance Study of Spectral and Energy Efficient Heterogeneous Cellular Networks	Mukesh Kumar Mishra	Prof. Aditya Trivedi	2018
2.	Towards Quality Service Provisioning in Internet of Things Sensory Environment	Sourabh Bharti	Dr. K. K. Pattanaik	2018
3.	Mandatory Corporate Social Responsibility: An empirical analysis of financial performance of listed Indian firms	Ruchi Gupta	Dr. Gaurav Agarwal	2018
4.	Optimization Techniques for Gateway Selection in Integration of Mobile Ad Hoc Network and Wired Network	Rashmi Kushwah	Prof. Shashikala Tapaswi and Dr. Ajay Kumar	2018
5.	An Empirical Investigation of Human Resource Dimensions and Firm Performance: Rule of Mediators in Service Industries	Chandra Sekhar	Prof. M. Patwardhan and Dr. Vishal Vyas	2019
6.	Issues in Energy Consumption in Mobile Ad hoc Networks	Rashmi Chaudhry	Prof. Shashikala Tapaswi	2019
7.	E-HRM and Employee Engagement: A Relationship Study in Indian IT Industry	Monica Chouhan Bhadoriya	Prof.M. Pattwardhan Prof. Naval Bajpai	2019
8.	Hallucination Algorithms for Low-resolution Images and their Application in Face Recognition	Shyam Singh Rajput	Prof. K.V. Arya	2019
9.	Aromatic materials for Supercapacitor Electrodes and single electron Devices	Boddepalli Santhi Bhushan	Prof. Anurag Shrivastava	2019



PG Thesis Reports of Pass-Out students during the year 2018 - 19

[A] MBA Thesis Report (Including IPG)

S.No.	Title	Authour	Guidance	Year	Roll No.
1	An approach to the analysis of user behavior in UPI based mobile payment systems in the new digital economy	Amandeep Singh	Dr. Gaurav Agrawal	2018	2013IPG013
2	Benchmarking Scheme for Wholesale stores efficiency: An Indian context	Ankit kumar	Dr. Yash Daultani	2018	2013IPG021
3	Impact of Competition on Efficiency and Risk-Taking Behavior of Indian banks	Anni Gupta	Dr. Vishal Vyas	2018	2013IPG022
4	Pricing in Options Market Using Stochastic Volatility Model	Anshul Prasad	Dr. Vishal Vyas	2018	2013IPG023
5	Policies, Strategies and Perspectives for Greater Absorption of Solar Energy into India's Energy Mix.	Ashish Krishna	Prof. Rajendra Sahu Dr. Pradip Swarnakar	2018	2013IPG028
6	Analyzing Customer Behavior on E-Commerce: Web Analytics	Ashish Kumar Verma	Dr. Manoj K. Das	2018	2013IPG030
7	Social and Technological Changes- A Study Among Millennials	Deepak Kumar	Dr. Manoj Pattwardhan	2018	2013IPG037
8	Strategy and Effectiveness of Advertisement on emotion, sentiment and attitude of consumer purchase decision	Gaurav Singh	Prof. Rajendra Sahu Dr. Manoj K. Das	2018	2013IPG047
9	Benchmarking New Product Development with an AHP-ISM Methodology	Irita Mishra	Dr. Gyan Prakash	2018	2013IPG052
10	Stock Market Prediction and Correlation among Asian Stock Markets	Keshav Singhal	Dr. Vishal Vyas	2018	2013IPG059
11	Impact of Different factors Such As Entrepreneurial Intension and Risk Reluctance on entrepreneurship	M. Manish Bhargav	Dr. Vishal Vyas	2018	2013IPG065
12	FDI and incumbent R and D behavior in the Indian Pharmaceutical Industry	Mizanullah	Dr. Gaurav Agrawal	2018	2013IPG066

13	Impact of Credit Rating Changes on Stock Prices	Yogesh	Dr. Vishal Vyas	2018	2013IPG126
14	impact of Job Satisfaction on job Attrition in Indian IT Sector	Abhijit Roy	Dr. Manoj Pattwardhan	2018	2016MBA01
15	Consumers Preference Towards Ayurveda Oriented Products Through Conjoint Analysis	Abhishek Sharma	Dr. Naval Bajpai	2018	2016MBA02
16	Influence of Personality traits and emotional intelligence on attitudes towards change acceptance in an internal process change of an organization	Aditi Mandeliya	Dr. Manoj Pattwardhan	2018	2016MBA03
17	Performance Evaluation of Mutual funds in India-A Study of Equity and Hybrid Schemes	Anupam Singh Bhadoria	Prof. Rajendra Sahu	2018	2016MBA05
18	Experience From Lean Quality Circles (LQCs): Insights from some case studies	Ashul Gupta	Dr. Naval Bajpai	2018	2016MBA06
19	Analysis of Financial Performance of Private Engineering Colleges Using Balanced Score Card	Geeti Mishra	Dr. Gaurav Agrawal	2018	2016MBA08
20	A Performance Evaluation of Indian Mutual Funds	Gian Singh	Dr. Vinay Singh	2018	2016MBA09
21	A Study to Analyze the Impact of Smart Technologies on the Logistics of an Indian firm-A Case of Ashok Leyland	Himani Kharai	Dr. Vinay Singh	2018	2016MBA10
22	An Empirical investigation of customer Insights and Intelligence from Social Media: A case of telecom churn analysis based on Netnographic technique	Jishnu Bhattacharyya	Dr. Manoj Kumar Dash	2018	2016MBA11
23	Development of Green Supply Chain Management Strategies for the Indian Apple Industry	Kartikay Kumar Randev	Prof. Rajendra Sahu	2018	2016MBA12
24	An Application of Value Stream Mapping for Lean Operations in paint Industry	Nakul Agarwal	Dr. Yash Daultani	2018	2016MBA13

25	Analyzing Impact of six sigma implementation in Indian manufacturing industry	Navneet Sharma	Dr. Naval Bajpai	2018	2016MBA14
26	To Develop a lean assessment process in healthcare system	Neha Namdeo	Dr. Gyan Prakash	2018	2016MBA15
27	Inhibitors for sustainable packaging	Nethala prithvi Prakash	Dr. Gyan Prakash	2018	2016MBA16
28	Analysis and designing the strategies for footfall management in retail mall	Nivedita Bhadaruia	Dr. Manoj Krmar Dash	2018	2016MBA17
29	Comparative Analysis and forecasting foreign tourist Arrival in Indian	Palash Lalit Malvi	Dr. Gyan Prakash	2018	2016MBA18
30	Barrier Analysis for implementing Green Supply Chain Management Practices in Coal based thermal power sector	Parmar Nilay Dinesh Kumar	Prof. Rajendra Sahu	2018	2016MBA19
31	Human Resource Practices and Employees Decision to Quit	Pooja Karmakar	Dr. Manoj Pattwardhan	2018	2016MBA20
32	Consumer Preference formation in smartphone industry by using MCDM approach	Pradumn Gupta	Dr. Yash Daultani	2018	2016MBA21
33	Impact of Foreign Direct intensity on carbon intensity: A Panel data analysis	Rajat Raman	Dr. Gaurav Agrawal	2018	2016MBA22
34	Enhancing Pharmaceutical Supply Chain Efficiency in Indian Scenario using TOC framework	Rishabh Singh	Dr. Gyan Prakash	2018	2016MBA23
35	A Study on impact of Ethics and Culture on Organizational Performance in Petroleum Sector	Ruby Yadav	Dr. Naval Bajpai	2018	2016MBA24
36	Enablers green supply chain Management: Indian Electric Automotive Industry	Sandeep Kumar Das	Dr. Gyan Prakash	2018	2016MBA25
37	Smart City: Mission of India	Sandip Maurya	Prof. Rajendra Sahu	2018	2016MBA26
38	A Study on Correlation Between Sectoial Index (Bank Nifty) and Economic Indicators	Shailendra Arya	Dr. Vinay Singh	2018	2016MBA27

39	Study of the perspective and barricade factors of Indian poultry farming industry	Shrahi Singh Karanwal	Dr. Vinay Singh	2018	2016MBA28
40	Identifying the Critical Success factors in android gaming	Shubham Dhama	Dr. Yash Daultani	2018	2016MBA29
41	Market Linkages and conditional correlation between the stock markets of Asia region	Supratik Deb	Dr. Vishal Vyas Dr. Vinay Singh	2018	2016MBA30
42	A study on the Impact of E-HRM System in It Industries	Swati Kumari	Dr. Vinay Singh	2018	2016MBA31
43	Impact of organizational capabilities on firm success	Vipra Mittal	Dr. Yash Daultani	2018	2016MBA32
44	Service Design for tourism service providers	Yash Kumar Agrawal	Dr. Yash Daultani	2018	2016MBA33
45	Service Encounter & Recovery Strategy of Indian Hotel Industry	Abhishwet Dumore	Dr. Manoj Kumar Dash	2018	2016ITES01
46	Relationship Between Innovation Management, Innovation capability and firm performance for solar PV Manufacturers in India	Ananya Kapoor	Dr. Vishal Vyas	2018	2016ITES02
47	Employee Performance Evaluation Based on AHP	Bhumika Chaturvedi	Dr. Yash Daultani	2018	2016ITES03
48	approach				
	An Assessment Framework to address Impact of Social Media on Traditional Recruitment procedure	Darshan Gusain	Dr. Vinay Singh	2018	2016ITES04
49	Role of Employee engagement in Rightsizing of workplace	Juhi Rohira	Dr. Manoj Pattwardhan	2018	2016ITES05
50	Study of the green Supply Chain Management in Indian mining sector	Kaushali Sarkar	Dr. Gyan Prakash	2018	2016ITES06
51	Impact of Organizational culture on Employee Engagement	Moglicherla Sirisha	Dr. Manoj Pattwardhan	2018	2016ITES07
52	Measuring the effect of Viral Marketing for Managing customer Behavior: A predictive analytics approach	Purnendu Sinha	Dr. Manoj Kumar Das Prof. Rajendra Sahu	2018	2016ITES08

53	Impact of crises communication in Effectiveness of Organizations	Shaheen Ansari	Dr. Manoj Pattwardhan	2018	2016ITES09
54	Development of comprehensive balanced score card for electric vehicles business	Suyash Singh	Dr. Vinay Singh Dr. Yash Daultani	2018	2016ITES10
55	Corporate Sustainability using Analytical hierarchy Process	Tripati Anand	Dr. Vishal Vyash	2018	2016ITES11
56	Consumer Decision-Making in online marketing: A Case Study on Indian Women Behavior	Vivek Yadav	Dr. Manoj Kumar Dash	2018	2016ITES12
57	A Study of mobile service provider selection mindset in Indian context	Mohit Jain Sethia	Dr. Yash Daultani	2018	2013IPG067
58	Impact of Economic Factors on Country's Carbon Emissions	Ankur Mathur	Dr. Vishal Vyas	2018	2016MBA004
59	The Role of Corporate Social Responsibility of Organizations in increasing Employer Attractiveness	Akhay Sharma	Dr. Vinay Singh	2018	2013IPG008

[B] M Tech Thesis (Including IPG)

S.No.	Title	Authour	Guidance	Year	Roll No.
1	Moving Object Detection and Anomaly Detection in a Surveillance Video	Akula Akhil	Dr. Neetesh Kumar	2018	2013IPG009
2	Development of Deep Neural Network models for Healthcare applications	Aman Agarwal	Prof . Anupam Shukla	2018	2013IPG010
3	Fisheries Monitoring Systems using object detection and classification Techniques	Aman Jain	Dr. Ajay Kumar	2018	2013IPG011
4	Particle Swarm Optimization in Artificial Neural Networks Implementation for Logic Gate (s) with back Propagation Algorithm	Ambika Goyal	Dr. Anuraj Singh	2018	2013IPG014
5	An Efficient and Secure Protocol for Ensuring Data Storage Security in Cloud Computing	Anand Verma	Dr. Neetesh Kumar	2018	2013IPG016

6	Bayesian Hybrid Matrix Factorization for Predicting the missing values in the Data through Data Integration	A Venkata Dinesh	Dr. W. Wilfred Godfrey	2018	2013IPG017
7	Tumour Extraction and Classification in Brain MRI Images using Threshold backed ROI Segmentation	Aniket Bilenia	Dr. M. Bhattacharya	2018	2013IPG018
8	Indoor Object Positioning in Wireless Sensor Network	Ankit Bansal	Prof. Aditya Trivedi	2018	2013IPG020
9	A Soft Computing Approach towards Galaxy Morphology Anshul Vyas	Anshul Vyas	Dr. Ritu Tiwari	2018	2013IPG024
10	Quality and Energy Efficient Traffic Offloading in Wireless Networks	Anshul Sharma	Prof. Aditya Trivedi Dr. Saumya Bhadauria	2018	2013IPG025
11	An Efficient Meta-Heuristic Nature Inspired Algorithm for Solving Real Life Optimization Problems	Ashsish Kumar Pandey	Prof. Anupam Shukla	2018	2013IPG029
12	Optimization of control nodes selection in software defined Networks to increase Networks Efficiency	Avanish Bhaskar	Dr. Anuraj Singh Dr. Neetesh Kumar	2018	2013IPG031
13	Secure Permission Management for Android	Sumant Begade	Prof. Shashikala Tapaswi	2018	2013IPG032
14	Multi-Modal Imaging Guided Detection and Classification of Brain Tumors	Bolla Sriharsha	Dr. W. Wilfred Godfrey	2018	2013IPG033
15	Text Clustering based on Improved K-means Algorithm	Cherupally Avinash	Prof. Rajendra Sahu	2018	2013IPG034
16	A Study on the Effects of Multiple Levels of Memory in Networks	Sainadh Chilukamari	Dr. W. Wilfred Godfrey	2018	2013IPG035
17	Security Implementation in cloud Computing	Dikush Meena	Dr. Neetesh Kumar	2018	2013IPG039
18	Product Identification and Classification using Deep Learning Techniques	Dimpal Rawat	Dr. Ajay Kumar	2018	2013IPG040
19	Matching Low Resolution Face Images with single sample Per Person	Dempal Singh	Dr. M. Bhattacharya	2018	2013IPG041

20	Encryption for smartphones cloud data at User end	Dinesh Kumar Malav	Dr. Anuraj Singh Dr. Yash Daultani	2018	2013IPG042
21	Brain Cell Image Analysis: Effect of EMF Exposure on Micro-images of Rat Brain Cell	Dongre Swati Kailash	Dr. M. Bahattacharya	2018	2013IPG043
22	Machine Learning Approach for calculating trust value for social Network Models	Drragasi Viswanath	Prof. Rajendra Sahu	2018	2013IPG044
23	Enhanced Dummy Location privacy preserving algorithm for location based services	Gaurang Singhal	Prof. Aditya Trivedi	2018	2013IPG046
24	Community Detection in Social Networking Based on User Interaction Using Statistical Distributions	Sashi Pranay Gobbilla	Dr. Ajay Kumar	2018	2013IPG048
25	Analysis of User's Interest Based on Tweets	Harshit Mishra	Dr. Ajay Kumar Dr. Vinay Singh	2018	2013IPG049
26	Brain MRI Analysis and Visualisation using skull stripping and delousing methods	Himanshu Raj	Dr. M. Bhattacharya	2018	2013IPG051
27	Malware Analysis and Malicious Activity Detection Classification at End Devices	Juned Ansari	Prof. Shashikala Tapaswi	2018	2013IPG054
28	Skin Cancer Detection using Deep Learning	Kanishk Agrawal	Dr. Ajay Kumar	2018	2013IPG057
29	Developing an Efficient soft computing algorithm for the clustering of mixed-type Data	Karan Mitroo	Dr. J. Dhar	2018	2013IPG058
30	Human Action Identification and Description from Video Sequences using Deep Learning Techniques in Humanoids	Kriti Poddar	Dr. Ritu Tiwari	2018	2013IPG061
31	Moving Object Detection based on image's texture and other intrinsic proprieties	M Kranthi Kumar Reddy	Dr. M. Bhattacharya	2018	2013IPG064
32	Co-saliency Detection Using Clustering and Multiple video foreground identification	Molleti Surya Kiran	Dr. Prasenjit Chanak	2018	2013IPG068

33	Robot Navigation and exploration in unstructured environment using Nature inspired algorithm	Nandini Saini	Dr. Ritu Tiwari	2018	2013IPG069
34	Analysis of Cell Phone Radiation on Brain Cell Image Using Image Processing Techniques	Nalini Bhadouria	Dr. M. Bhattacharya	2018	2013IPG071
35	Analysis of Morphological Anomalies at Cellular Level Using Image Processing and Computational Techniques	Bhakti Makarand Netke	Dr. M. Bhattacharya	2018	2013IPG074
36	A Modified Algorithm for Overlapping and Non-overlapping Community Detection in Social Media Networks	Oduru Tejaswini	Dr. J. Dhar	2018	2013IPG075
37	A Hybrid Model for Investigating the Influence Relationship in Stocks	Penumatcha Bharath Verma	Dr. W. Wilfred Godfrey	2018	2013IPG077
38	Haze Removal in an Image Using colour Attenuation Prior in Inhomogeneous Atmosphere	Potnuri Satish	Dr. Gaurav Kaushal	2018	2013IPG078
39	Optimization of an Algorithm to Efficiently Protect data in the cloud computing	Prashant Kumar	Dr. Neetesh Kumar	2018	2013IPG081
40	Analysis of Brain Tumor in MRI Using Image Processing Techniques	Rahul Raman	Dr. M. Bhattacharya	2018	2013IPG086
41	Enhancing Security of IoT Based Smart Home Using Lightweight Encryption	Rahul Yadav	Dr. Anuraj Singh	2018	2013IPG087
42	A Framework and Algorithm for the Classification in sparsely Labelled Networks	Rakesh	Dr. J. Dhar	2018	2013IPG088
43	Link Prediction in Social Network using topological features	Riddhi Gupta	Dr. Anuraj Singh	2018	2013IPG091

44	Co-Author Relationship Prediction in Bibliographic Network using Deep Belief Network optimized by Nature Inspired Algorithm	Ritu Jha	Dr. Ajay Kumar	2018	2013IPG092
45	Gold Price Volatility Prediction using Modified Garch Model	Riyaz Khan	Dr. W. Wilfred Godfrey	2018	2013IPG093
46	A Multi Attribute and secure scheduling Framework for Heterogeneous Cluster System	Sandeep Maury	Dr. Neetesh Kumar	2018	2013IPG094
47	A Hybrid Model for Diagnosis of Heart Disease	Sandyala Rajesh Verma	Dr. P.K. Singh	2018	2013IPG095
48	Real time object detection and its application for Visually impaired people	Sarthak Joshi	Prof. Rajendra Sahu	2018	2013IPG096
49	An Energy Efficient Routing Algorithm for SDWSN using hybridization of PSO and GSO	Satish Gond	Dr. Neetesh Kumar	2018	2013IPG097
50	Unmanned Aerial Vehicle path Modelling using deep learning	Ravi Sharnagat	Prof. Anupam Shukla	2018	2013IPG099
51	Emotion Status recognition using Machine Learning	Shreya Sahu	Prof. Anupam Shukla	2018	2013IPG102
52	Framework for Detection of Fake News by Source Identification and Linguistic structure Study	Shereya Sinha	Prof. Shashikala Tapaswi	2018	2013IPG103
53	Autonomous Underwater Robotic Target Search	Shubhankar Mohan	Prof. Rajendra Sahu Dr. Ritu Tiwari	2018	2013IPG104
54	An Assistive Robot transcribing group conversations for hearing impaired persons	Sneha Saharawat	Dr. Ritu Tiwari	2018	2013IPG105
55	Residual Learning of CNN for Image Denoising and Inpainting	Sonali Yadav	Dr. Aruraj Singh	2018	2013IPG107
56	Credit Card Fraud Detection: A Deep Learning Approach	Sourav Verma	Dr. J. Dhar	2018	2013IPG108
57	Android app to connect blood donors and receivers	Sudesh Kumar Sindoskar	Prof. Anupam Shukla	2018	2013IPG109

58	Rumour Spread in Complex Heterogeneous social Network	Sumit	Dr. Ajay Kumar Dr. Vinay Singh	2018	2013IPG111
59	Securing Password using improved hashing algorithm and dynamic password policy	Sumit Raj	Dr. Anuraj Singh	2018	2013IPG112
60	A Robust Intrusion detection system using machine learning techniques	Suneel Kumar	Dr. J. Dhar	2018	2013IPG113
61	Social unrest Prediction using time series analysis on social media behaviour: A Twitter-based exploration	Takshil Pati	Prof. Shashikala Tapaswi	2018	2013IPG114
62	Application of Advanced Learning Methods for Detection of Botnet Traffic	Tanmay Gadpayle	Prof. Shashikala Tapaswi	2018	2013IPG115
63	Optimization of Machine Learning Model using Nature Inspired Algorithm	Ujjawal Dixit	Prof. Anupam Shukla	2018	2013IPG117
64	Spectrum Sensing in Cognitive Radio Network	Vikash Gupta	Prof. Shashikala Tapaswi	2018	2013IPG120
65	Analysis of community Issues in Major Indian cities using text processing	Vikram Singh Meena	Dr. P.K. Singh	2018	2013IPG121
66	Real Time Traffic accident detection and notification for immediate emergency services viva android applications	Vivek Kujur	Dr. Neetesh Kumar Dr. Saumya Bhadauria	2018	2013IPG123
67	Tweet Analysis for Situational awareness and assessing	Yogita Kanwar	Dr. J. Dhar, Dr. Pradeep Swarnkar	2018	2013IPG127
68	Energy Efficient Routing Mechanism Based On Overlapping FSS in WSN	Abhishek Narwaria	Dr. K. K. Pattanaik	2018	2016AN01
69	Routing Metric Fusion for Multipath Routing in wireless sensor networks	Debadrata Dalai	Dr. K. K. Pattanaik	2018	2016AN04
70	Energy efficient Data Sink Selection in Wireless Networks	Himanshu Gauttam	Dr. K. K. Pattanaik	2018	2016AN05

71	Learning Locally connected regions in Graph structures for classification using Machine Learning techniques	M Sushma Sunitha	Dr. W. Wilfred Godfrey	2018	2016AN08
72	Temperature and Low Power Optimization during High Level synthesis	Nashant Chaudhary	Dr. Sauma Bhadauria	2018	2016AN09
73	Students Performance Analysis using multiple classification techniques	Pragyan Bharti Das	Dr. P. K. Singh	2018	2016AN11
74	An Energy Efficient load balancing routing algorithm	Priyanka Keshari	Prof. Shashikala Dr. K.K. Pattanaik	2018	2016AN12
75	An Efficient Moth Flame Optimization Algorithm based Multi-Level Thresh holding for Segmentation of Satellite Images	Priyesh Sikariwal	Dr. Prasenjit Chanak	2018	2016AN13
76	Energy Efficient forwarder node selection scheme for overlapped forward search spaces in WSNs	Shivangi Agarwal	Dr. K.K. Pattanaik	2018	2016AN14
77	An Efficient Target Tracking Scheme with Wireless Sensor Networks	Shruti Verma	Dr. Prasenjit Chanak	2018	2016AN15
78	Hardware Fault-Detection and Faculty Node Reuse Scheme for Large Scale Wireless Sensor Networks	Umarah Shafeeq	Dr. Prasenjit Chanak	2018	2016AN16
79	Localization of Sensor Nodes in Wireless Sensor Network	Vinay Kumar Gupta	Dr. P. K. Singh	2018	2016AN18
80	Crosstalk and Bit Error Rate In Wavelength Division Multiplexing Channel	Bhupendra Dhakad	Dr. Pankaj Srivastava	2018	2016DC04
81	Efficient Target Detection Using Learning Automata Based Information Fusion	D Chaitanya	Prof. Aditya Trivedi Dr. Prasenjit Chanak	2018	2016DC05
82	Physical Layer Security for Wireless Powered Massive MiMo decode and forward relay systems: Performance analysis	Kaustubh Ranjan Singh	Prof. Aditya Trivedi Dr. Neetesh Kumar	2018	2016DC06

83	Prediction of Mutual Fund Net Asset Value using Machine Learning	Kumar Abhinav	Dr. P.K. Singh Dr. W. Wilfred Godfrey	2018	2016DC07
84	Performance analysis of PDMA Design	Neetu Kumari	Prof. Aditya Trivedi	2018	2016DC08
85	Mobile Sink Based Data Gathering Scheme for Wireless Sensor Network	Neha Sharma	Dr. Prasenjit Chanak	2018	2016DC09
86	Optimization of Decision Threshold based on battery state in energy harvesting wireless sensor networks	Paras Pal	Prof. Aditya Trivedi	2018	2016DC11
87	A Cluster-based framework for Continuous tracking of target vehicle	Prashanth Kumar Kanaparthi	Dr. Sauma Bhadauria	2018	2016DC12
88	Drone as an aerial base station: Design and performance analysis	Mohini Siddharth Sawane	Prof. Aditya Trivedi Dr. Prasenjit Chanak	2018	2016DC13
89	Performance Analysis of D2D Communication over Cellular Networks	Shreya Gupta	Prof. Aditya Trivedi	2018	2016DC14
90	An Effective Channel Access Scheme Using Cellular Automata for cognitive Radio Users	Shubham Kumar Shakya	Dr. Prasenjit Chanak	2018	2016DC15
91	Priority Based Bandwidth Efficient MAC Layer Protocol for Real Time Wireless System	Sourabh Jain	Dr. Prasenjit Chanak	2018	2016DC17
92	Power optimization of Cell Free Massive mimo with zero forcing beam forming technique	Subodh Chand Tripathi	Prof. Aditya Trivedi	2018	2016DC18
93	Diabetic Retinopathy Prediction using Machine Learning algorithms	Sunil Sharma	Prof. Anupam Shukla	2018	2016DC19
94	Energy Efficient Motion Estimation Architecture for Video Codec	Abhishek Bansal	Prof. G.K. Sharma	2018	2016VLSI03
95	Current-Voltage analysis of Functionalized Grapheme Based Memristor Devices	Ankit Kumar Gautam	Dr. Anurag Shrivastava	2018	2016VLSI05

96	Modelling of Theophany Based Molecular transistor	Ankit Sirohi	Dr. Anurag Shrivastava	2018	2016VLSI06
97	Enhancing the Security of Logic Encryption against SAT Attack	Manjiri Bagade	Dr. Manisha Pattanaik	2018	2016VLSI07
98	Soft Error Aware Sram Cell Design	S. Balamurugan	Dr. Manisha Pattanaik Dr. Gaurav Kaushal	2018	2016VLSI08
99	Design of Time-Interleaved SAR ADC with Calibration Technique	B.K. Kishore	Dr. Pankaj Srivastava	2018	2016VLSI09
100	Investigation of Carbon Nanotube Based Devices for Characterization of Diabetes biomarkers	Manisha M Barse	Dr. Anurag Shrivastava	2018	2016VLSI10
101	New Cluster Based Hardware Trojan Detection Technique for Detecting Functional Trojans	Ramakrishna Damiseti	Prof. G.K. Sharma	2018	2016VLSI11
102	Design of Low power high stability SRAM cell for High Performance register file	Prashant Gajbhiye	Dr. Manisha Pattanaik	2018	2016VLSI12
103	Investigation of the election transport behaviour of strained carbon Nanotube field effect transistor	Gyanchand Dewangan	Dr. Anurag Srivastava	2018	2016VLSI13
104	Area Efficient low power SRAM cell for high Performance Register file	Katta Syambabu	Dr. Manisha Pattanaik	2018	2016VLSI14
105	Modelling of Single Electron Transistors (SETs) for Switching and Sensing Applications	Kumar Gaurav	Dr. Anurag Srivastava	2018	2016VLSI15
106	Timing Error Prevention Technique for Low Power Digital Circuits Prone to variations	K. Harikrishna Reddy	Dr. Pankaj Srivastava	2018	2016VLSI16
107	Low Power High Speed Single Ended Read Decouple Sub threshold 9T SRAM cell	Kurra Gopi	Prof. G. K. Sharma Dr. Gaurav Kaushal	2018	2016VLSI17
108	To Analyse the Impact of halogenation on Graphene Nanoribbon	Mani Shankar yadav	Dr. Pankaj Srivastava	2018	2016VLSI18
109	Design of High Speed and Low Power Approximate Multiplier	N. Vishnu Vardhan Rao	Dr. Pankaj Srivastava	2018	2016VLSI19

110	Low Leakage and Variation tolerant SRAM Cell for Register file Application	Pratikasha Shukla	Dr. Manisha Pattanaik	2018	2016VLSI20
111	Controlling Ambipolar Current in Graphene Nanoribbon Tunnel FET	Rachana Ahiwar	Dr. Pankaj Srivastava	2018	2016VLSI21
112	Robust and Low Power SRAM Cell for High Performance Register File	Ravish Kumar	Dr. Manisha Pattanaik	2018	2016VLSI22
113	High Performance CMOS based Low-Dropout (LDO) Regulator	Santosh Kumar Yadav	Dr. Manisha Pattanaik Dr. Gaurav Kaushal	2018	2016VLSI23
114	Energy Aware Reconfigurable DCT Architecture for Video Encoding	Shivendra	Prof. G. K. Sharma	2018	2016VLSI25
115	Radiation Hardened Latch Design in 65nm CMOS Technology	Shradheshwar Verma	Dr. Pankaj Srivastava	2018	2016VLSI26
116	Performance Analysis of Organic Nanotube based P-in FET Device	Vandana Yadav	Dr. Anurag Srivastava	2018	2016VLSI28
117	Low Leakage Noise Tolerant SRAM Cell for Register File Application	Vinay Gupta	Dr. Manisha Pattanaik	2018	2016VLSI29
118	A Proficient Probabilistic ant Colony Algorithm for Path Planning in one panoramic Area with Many sites	Ali Faraj Zaidi	Dr. Ritu Tiwari Dr. J. Dhar	2018	2016IS01
119	Effective VANET Routing for Unplanned Cities	Ansuya Bohra	Dr. Saumya Bhadauria	2018	2016IS02
120	Prolonging Network Lifetime of Wireless Sensor Networks by Passing Hole	Arti Narwariya	Dr. Saumya Bhadauria	2018	2016IS03
121	A Biometric Based Secure Multi-Server Authentication and Key Exchange Scheme Using Smart Cards	Ashish Tomar	Dr. J. Dhar	2018	2016IS04
122	Development of Novel Method for Hardware Trojan Secured Application Specified Integrated Circuits	Deepak Kumar	Dr. Saumya Bhadauria	2018	2016IS05
123	Performance Comparison of Neural Networks For Disease Prediction	Devnath	Prof. Anupam Shukla	2018	2016IS06

124	A Novel Approach to Solve Multi Level Thresholding Problem in Image Segmentation	Gattu Priyanka	Dr. Saumya Bhadauria	2018	2016IS07
125	Reusable IP core protection at Behavioural Level	Jai Prakash Kushwaha	Dr. Saumya Bhadauria	2018	2016IS08
126	Detection of Brain Tumor by using Hybrid Segmentation and Edge Detection Algorithm	Krishna Kumar	Dr. P.K. Singh	2018	2016IS09
127	Intermittent Fault Tolerance in Optimization Data paths	Vickey Manwar	Dr. Saumya Bhadauria	2018	2016IS10
128	Adaptive Loop Tiling for optimization of Control data Flow Graphs (CDFGs)	Poonam Mandre	Dr. Saumya Bhadauria	2018	2016IS12
129	Efficient Bloom Fitter based Routing Protocol For Large Scale MANETs.	Pratibha Shukla	Dr. Saumya Bhadauria	2018	2016IS13
130	A secure Model for Implementing Oauth 2.0 framework using android application	Priyanka Singh	Dr. J. Dhar	2018	2016IS14
131	Low Cost Run Time Trojan Detection in Embedded System	Rahul Yadav	Dr. Saumya Bhadauria	2018	2016IS15
132	Job Scheduling Framework in Fog-cloud Computing based on QoS Parameters	Satwinder Kaur	Prof. Shashikala Tapaswi Dr. Neteesh Kumar	2018	2016IS16
133	Data Security in Cloud using Symmetric Encryption Algorithm	Sourabh Parekh	Prof. Rajendra Sahu	2018	2016IS18
134	PIGA-Pigeon Inspired Genetic Algorithm A Hybrid Algorithm for Path Planning of Vehicle	Aditi Chaudhary	Prof. Rajendra Sahu Dr. Ritu Tiwari	2018	2013IPG004
135	Detection and Prevention of Cyber bullying in social Network	Akshay Goel	Prof. Rajendra Sahu Dr. Ajay Kumar	2018	2013IPG006
136	Improving Community Detection on Incomplete Networks	Apoorva Sharma	Dr. W. Wilfred Godfrey	2018	2013IPG026
137	Designing of Hybrid Machine Learning Model Based on Deep Learning and Its Performance Comparison	Arpan Jain	Prof. Anupam Shukla Dr. Ritu Tiwari	2018	2013IPG027

138	Analysis and Implementation of Modified Brain Stripping Algorithm based on Morphological Filters	Daksh Sharma	Dr. M. Bhattacharya	2018	2013IPG036
139	Deep Learning Methods for Event Driven Stock	E Sai Prakash Reddy	Dr. P.K. Singh	2018	2013IPG045
140	Secure and Lightweight Localization in Internet of Things	Prateek Vishwakarma	Dr. J. Dhar Dr. Anuja Singh	2018	2013IPG082
141	Sentence Generation for Abstractive text Summarization	Uendra Singh Sachan	Dr. W. Wilfred Godfrey Dr. Vinay Singh	2018	2013IPG118
142	Binary Edward Curve Based Authentication scheme for IoT and Cloud Service	Himanshu Pal	Dr. J. Dhar Dr. Anuja Singh	2018	2013IPG050
143	Implementation of Mixed Lightweight Algorithm (MLA) in IoT based Medical System	Ambuj Verma	Dr. Anuja Singh	2018	2013IPG015
144	An optimization approach for Multi-agent Reinforcement learning and Multi-target tracking	Amandeep Singh	Prof. Anupam Shukla	2018	2013IPG012
145	City Surveillance System Using Machine Learning	Jitendra Gangwar	Dr. Ajay Kumar	2018	2013IPG053
146	Biometric Authentication Using Lip Movement	Kanika Singhal	Dr. Ajay Kumar	2018	2013IPG056
147	Low Rank Representation based Discriminative Multi Manifold Analysis	Mydam Yashwanth Kumar	Dr. Prasenjit Chanak	2018	2013IPG070
148	Analysing Sentimental Impact of Online Trends on Different Profiles of Society	Prachi Gupta	Prof. Rajendra Sahu	2018	2013IPG079
149	Multi Robot Path Planning using Machine Learning	Vimal Singh	Prof. Anupam Shukla Dr. Joydip Dhar	2018	2016IS020
150	Feature-based malware analysis and classification	Tariq Khan	Prof. Shashikala Tapaswi	2018	2013IPG116
151	An Intelligent Approach for Automated Variable Star Forecasting	Lucky Suman	Dr. Ritu Tiwari	2018	2013IPG063
152	Face Spoofing Detection using Anomaly detection approach	Rachana Bagde	Dr. Gaurav Kaushal	2018	2013IPG084

Right to Information Act, 2005 : Report (01.04.2018 - 31.03.2019)

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

Shri Pankaj Gupta Joint Registrar Central Public Information Officer	Prof. S.G. Deshmukh Director First Appellate Authority
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Other details are given below :

No. of RTI applications received in the institute	31
No. of RTI applications replied by the institute	31
No. of first appeals received by the institute	1
No. of decisions passed by the FAA of the institute	1
Amount collected as RTI fee and additional fee	290

Financial Summary of the Institute

As per Annual Accounts of Financial Year 2018-19, Balance Sheet as on 31st March 2019 is presented in the table below:

SOURCES OF FUNDS	Amount (₹)	
	Current Year	Previous Year
Corpus Fund/ Capital Fund	2,95,92,74,635.00	2,80,85,37,298.00
Designated / Earmarked / Endowment Funds	1,09,85,62,670.00	1,00,02,26,933.00
Current Liabilities and Provisions	12,47,59,395.00	12,73,74,001.00
TOTAL :	4,18,25,96,700.00	3,93,61,38,232.00
APPLICATION OF FUNDS		
Fixed Assets (Gross Value)		
Tangible Assets	1,91,73,97,815.00	1,36,83,38,387.00
Intangible Assets	9,83,14,468.00	8,24,87,315.00
Capital Works-In-Progress	61,31,77,130.00	93,22,07,778.00
Investments from Earmarked/Endowment Funds		
Long Term	0.00	0.00
Short Term	75,43,79,417.00	71,72,11,010.00
Investments- Others	0.00	0.00
Current Assets	61,18,80,062.00	51,78,56,287.00
Loans, Advances & Deposits	18,74,47,808.00	31,80,37,455.00
TOTAL :	4,18,25,96,700.00	3,93,61,38,232.00

Income & Expenditure

As per Annual Accounts of Financial Year 2018-19, Income and Expenditure Account for the year ended on 31st March 2019 is presented in the table below :

Particulars	Amount (₹)	
	Current Year	Previous Year
A. INCOME :		
Academic Receipts	10,52,44,324.00	8,02,32,012.00
Grants / Subsidies	23,50,00,000.00	18,51,55,000.00
Income from Investment	3,58,01,640.00	3,29,79,951.00
Interest Earned	42,21,009.00	49,99,398.00
Other Incomes	81,67,407.00	99,57,988.00
Prior Period Income	0.00	0.00
Total (A):	38,84,34,380.00	31,33,24,349.00
B. EXPENDITURE :		
Staff Payments & Benefits		
(Establishment Expenses)	12,12,18,680.00	10,14,26,923.00
Academic Expenses	5,11,84,871.00	5,56,33,537.00
Administrative and General Expenses	11,88,69,047.00	9,92,26,361.00
Transportation Expenses	19,93,851.00	17,88,847.00
Repairs & Maintenance	1,04,67,086.00	85,75,821.00
Finance Costs	11,645.00	28,027.00
Depreciation	4,81,62,471.00	3,48,84,656.00
Other Expenses	0.00	0.00
Prior Period Expenses	56,89,392.00	12,80,712.00
Total (B):	35,75,97,043.00	30,28,44,884.00
C. Balance being excess of Income over Expenditure (A-B):	3,08,37,337.00	1,04,79,465.00
D. Less : Transfer to Internal Corpus Fund :	(15,34,34,380.00)	0.00
E. Add : Amount taken from Internal Corpus Fund :	7,44,34,572.00	0.00
Being amount transferred to Schedule 1 (C-D+E):	-4,81,62,471.00	0.00

Institute Activities

In 2018-19, Institute has organised following activities

C2C Seminar on "Smart Village", Co-organised with the EU-India FI-Media- Project

ABV-IIITM and the EU sponsored "EU-India FI-MEDIA project, funded by the Delegation of the European Union to India, organized a Cluster to Cluster (C2C) partnership workshop at IIITM, Gwalior, during 12-13th November 2018, on the theme of "Smart Villages".

In India, the villages enjoy a significantly important position in the society. India has nearly 650,000 villages and approximately 70 percent of India's population still lives in villages. Rural and semi-urban India's share in India's GDP is about 50 percent.

On one hand, while Indian villages contribute to the Indian economy through production, they are also promoting a healthy growth because of increasing consumption. It is, therefore, essential that the latest technologies make their contribution to the growth of the villages. Making the villages "Smart" through the involvement of technologies like Internet of Things(IoT) and Artificial Intelligence is, therefore, one of the most forward looking step in that direction.

In August, 2018, the EU-India FI-MEDIA team met with the officials of Government of India, Ministry of Electronics & Information Technology (MeitY) and discussed the need to scope research and innovation topics of mutual benefit for national and international cooperation in areas related to Smart Villages, and any inter-relationships and/or differentiators with ongoing activities in the Digital India Smart Cities programme. It was felt that the best way to move this activity forward was to engage with experts working in research and innovation activities, including industry, in helping with the defining of the activities required to:

- Identify the commonalities and differences between Smart Cities and Smart Villages R&I activities;
- How to best reach out to the ground level communities to enable them to be at the center of the design and developments of the required technologies;
- How technologies like Internet of Things and Artificial Intelligence can be used in a way to really make the villages "Smart";
- Identify all the key stakeholders that should be involved.

To this end, the EU-India FI-MEDIA project has co-organised this event with ABV-IIITM, Gwalior since they are leaders in the field with their extensive research and innovations in areas related to smart agriculture, smart transport, and many other areas of importance to making villages "Smart".

The MeitY, Government of India , has also keenly participated in the event, thus giving the organisers and participants a strong motivation to identify the key drivers for their cooperation in these clustering activities aimed at addressing the approach and the technologies for the transformation of Indian villages to "Smart Villages".

The objectives of the C2C seminar on Smart Villages were the following:

1. Brainstorm and identify mutually beneficial research & innovation (R&I) topics for smart agriculture / smart villages;
2. Identify and prioritise a bouquet of important R&I topics for smart agriculture / smart villages for ourselves and present to MeitY to be taken forward;
3. Establish clusters around these topics to take them forward to concrete to realisable and sustainable outputs;
4. Following from this event, the EU-India team will help to find interested partners in EU (e.g. EU-India FI-MEDIA Networking Session entitled EU & India Clustering on IoT technologies for Smart Agriculture at the prestigious ICT 2018 event in Vienna, Austria, 5 Dec. 2018);
5. Facilitate EU-India C2C partnerships from those identified in 1-4 above(i.e. consortia coming together for a common realisable and sustainable output and identify funding mechanisms).

The schedule of the workshop was as follows :

- Opening session & Background
- Welcome Address - Prof. S G Deshmukh, Director, ABV-IIITM
- Inaugural Remarks by Prof S K Rao, VC, RVSKVV Gwalior
- Keynote Address - Dr. Tulika Pandey (Scientist "F", MeiTy)
- CSC and e-governance approaches - Dr. Pravin Chandekar, (Scientist "F", MeitY)

TEDx Event

TEDx event was organised on 25th August 2018. The theme of the event was : Falling Apples. The goal was to bring together bright minds to give talks that are idea-focused, and on a wide range of subjects, to foster learning, inspiration and wonder - and provoke conversations that matter. TEDx ABV-IIITM intended to celebrate the makers of the future, their ideas and innovations,. The following speakers participated in this.

Mr Amandeep Singh, Noted Story teller

Ms Bai Yadav, Rally racer

Mr Goloka Vrndavana Dasa, ISKON member

Ms Oyindrila Ray Ghosh, Fshion desiger

Ms Jyotia Mandal, India First Trangender Judge

Mr Pushkar Vohra, Co-founder, Blockslab.io

Mr Sandeep Jain, CEO Founder GeeksForGeeks

The event was coordinated by Prof R Sahu. Mr Daksh Berry was the student organizer and Mr Deepankar Singh was the co-organizer. The vent drew a huge success with seminar hall with full occupancy!

National Convention on Quality Concepts (21-24 Dec 2019)

The 32nd National Convention on Quality Concepts (NCQC 2018) was organized at ABV - Indian Institute of Information Technology & Management during 21st to 24th December 2018 in collaboration with QCFI (Quality Circle Forum of India), and QCFI Gwalior chapter. This was a mega event organized on the campus.

QCFI has been spearheading the education, training, propagation and help in implementation of Quality Concepts in industries, service sector, education, health, rural areas, society etc., for over 35 years in the national arena.

The Convention Theme was "Igniting Minds for Innovation through Quality Concepts". The conference was inaugurated by Mr T P Singh(General Manager, North Western Railway). He emphasized on the need of quality systems. He said organizations fails due to : a) systems not in place and b) They have compromised with the quality. He shared his experiences in implementing 5-S concepts in 15 railway stations including Jaipur and Ajmer. Mr. S J Pandya, Chairman-Workers Education Board emphasized on the role of small improvements. Mr D K Srivastava, Executive Director, QCFI narrated the journey of QCFI.

There were 80 parallel sessions in which case studies were presented.

This attracted 10, 450 participants all over the country (biggest so far in the history of QCFI !), involving more than 500 organization and representing about 1900 case studies.

There was model exhibition in which various organizations showcased their achievement on quality front. In all there were 80 stalls. Mr Avinash Mishra, Secretary-Gwalior Chapter, Mr Sanjay Bindal-President-Gwalior chapter and the entire team at IIITM was responsible for the success of this mega event. Mr S Dhunde and his team at IIITM did meticulous planning and professional execution for this mega event. The NCQC was an example of excellent team work by Gwalior chapter in association with ABV-IIITM. The role of various schools and colleges is specially acknowledged. Mr Avinash Mishra and his team took special care in making this event successful.

The delegates gave a rating of 8.8 (on a scale of 0 to 10) for the conduct of this convention. This is a major achievement. It is to be mentioned that our teams (Housekeeping, mess and horticulture) also participated and won laurels from the experts. The institute also got 5-s certification from QCFI.

Orientation Program

Orientation program was organized by the Student Activity Council members for the new entrants of ABV-IIITM, Gwalior on 4 Aug, 2018 where Ashutosh Chincholikar, CEO of Smart Controls Pvt. Ltd. has addressed the gathering and motivated the students. The senior students have welcomed the new comers and various performances have been given by the students. All the students were taken to campus visit, plantation and invited for lunch. Faculty members have given the presentations on behalf of Institute to make the students aware about the academic and professional life of a student in campus. Director, Dr. Anurag Srivastava, Dr. Joydip Dhar, Dr. Saumya Bhadaouria, Dr. Anuraj Singh and others have also addressed the gathering and motivated the students.

Visit of Academic Delegation of University of Peradeniya

A four member delegation led by Prof. P. B. R. Dissanayake from University of Peradeniya, Srilanka visited IIITM Gwalior during 10-15 Aug, 2018 as part of DST funded inter-governmental research project on Civil Structural Health Monitoring using Wireless Sensor Network. Members had interaction sessions with students and faculty about various opportunities of ICT in Civil engineering in addition to project related deliberations. The 2 year project will host research related bilateral visits of the investigators, workshops, and special sessions in conference.

Kavitanjali

Atal Bihari Vajpayee, the name and the man carries so many sentiments for all the Indians. Atal Ji is being admired and appreciated by all the Indians irrespective of their age for his prose, poem, and his clean politics. Orator without parallel, he could switch from enchanting humour to a lofty vision with ease, with a great gifted ability to connect with people naturally, inspiring them to work for national interest. Atal Ji dedicated every moment of his life to the service of the nation.



Atal Ji passed away at the age of 93 on 16 Aug, 2018. It was a great shock for all the Indians including students, staff members and teaching fraternity of ABV-IIITM, Gwalior. His passing away is the end of an era. In his remembrance, ABV-IIITM, Gwalior students organised "KAVITANJALI", a reflection on life and poetries of late Shri Atal Bihari Vajpayee Ji, the former prime minister of our country. ABV-IIITM, Gwalior students Amit Singh, Sharad Mishra, Ananya Sharma, Priyanshi Jain, Priyansh Gaharana, Prakarsh Pathak, Ruchika Agarwal, Payasvani Gangrade, Ayush Choudhary and Prashant Tiwari recited the poems written by late Shri Atal Bihari Vajpayee in different phases of his life. Students have shown great enthusiasm for attending the programme. Through poems of Atal Ji, students have made an attempt to understand and appreciate philosophy of life. The programme ultimately turned out to be of immense inspiration for the students who recited poems and also for the students who attended the programme. This event has helped students knowing Atal Ji as a poet and provided glimpse of his poetic world through his words. The event was coordinated by Dr. Naval Bajpai.

Independence Day-2018

The guest speakers have explained the importance of freedom in different domains and their personal experience of enjoying the freedom, especially when they were students and professionals.

They have also talked about the roles and responsibilities of each and everyone in nation building, especially in

technology domain. Besides the enlightening speeches by the guests and our Director, guests have planted trees; and students have organized Rangoli and Painting competitions.

Kavi Sammelan 2018

The event was organized by Hindi Samiti on 26 Sep, 2018. Various poets from different disciplines increased the auspiciousness of the gathering. It was hosted by Kavi Tej Narayan Sharma.

Madan Mohan Daanesh set the mood with his poetries on love, followed by sarcastic comedy by Ramesh Muskaan. The public got frenzied on listening to patriotic poems from poet Prakhyaat Mishra from Lucknow. The audience became lively on listening to comical one liners from Dr. Anuj Tyagi.

This was followed by poetry on love by Hashim Firozabadi from Firozabad. In the end the host, Kavi Tej Narayan Sharma who is also known as "Tej Narayan Sharma Bechain", a poet of polite satire made the audience laugh over his comments on society, politics and human behavior.

His polite satire also drew attention of the audience towards the grave issues present in our society.



Programme under EBSB (Ek Bharat Shreshtha Bharat)

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.

On 25 Aug, 2018 quiz competition was organized in the institute at 5pm under EBSB. The event was judged by Dr. Joydip Dhar.

Winners:

- I. Raj Kuwar Gupta (IPG2015) II. Sheshan Sheniwal (IPG2014)
- III. Abhyanand Kumar (IPG-2018) IV. Soumya Agarwal (2014IPG)

Presentation by Students

On 5th Sep, 2018 there was a presentation competition on the theme Role of Youth in the development of Tourism in Nagaland, Manipur and Madhya Pradesh in the institute at 5pm. The event was judged by Dr. Yash Daultani, Dr. Neetesh Kumar Dr. Ritu Tiwari.

Winners:

- I. Ananya Sharma (MBA2018) II. Siddharth Tiwari (MBA2018)
- III. Soumya Agarwal (IPG2014) IV. Anshul Srivastava (MBA2018)



Technical and Managerial Session

On 15 Sep, 2018 a Technical and Managerial session was organised on the theme Sensitization on Technical and Management issues by students of ABV-IIITM Gwalior at 3:30pm. The event was judged by Dr. Vishal Vyas.

Winners:

I. Jayant Mundhra (IPG2014) II. Saumya Srivastava (IMG2018) III. Nishant Singh Tomar (IMG 2017)

Video Conferencing Session (Experts from Nagaland and Manipur) and Gwalior tourism

On 27 Sep, 2018 the EBSB Committee visited various places in Gwalior and nearby. The palces include Gwalior Fort, Gurudwara Shri Data Bandi Chhor, Tansen's Tomb, Sun Temple and Shivpuri.

A Panel Discussion was organised under the program Ek Bharat Shreshtha Bharat (EBSB) by MHRD in ABV-IIITM Gwalior on 7 Apr, 2018. This event was held in B-111 of the Institute at 4:00PM in which around 100 students were present. Title of the discussion was "Role of IT in development of healthcare of Madhya Pradesh Nagaland and Manipur".

Total number of participants was 6 and number of spectators was 15.

The main objective of this event was to celebrate the cultural diversity and promote national integration, students were given a topic to showcase the role of IT in the healthcare sector of Madhya Pradesh, Nagaland and Manipur. Organizers also tried to promote learning among the states by sharing the advancements in IT Sector.



राजभाषा

हिंदी पखवाड़ा –2018 : एक प्रतिवेदन

14 सितंबर, हिंदी दिवस के रूप में मनाया जाता है क्योंकि इस दिन 1949 में, भारत की संविधान सभा ने देवनागरी लिपि में लिखी गई हिंदी को संघ की आधिकारिक भाषा के रूप में अपनाया था। देश में हिंदी भाषा के महत्व को दर्शाने के लिए पूरे भारत में हिंदी दिवस मनाया जाता है। भारत में हिंदी भाषा का एक लंबा इतिहास है, और यह लगभग 25.8 करोड़ लोगों द्वारा मातृभाषा के रूप में बोली जाने वाली भाषा है, और दुनिया की 5 वीं सबसे बड़ी भाषा के रूप में जानी जाती है।



संस्थान ने 14 सितंबर, 2018 को हिंदी पखवाड़े का उद्घाटन किया, जिसका उद्देश्य संस्थान और समाज के हर कोने तक हिंदी भाषा की पहुंच का प्रसार करना था। इस कार्यक्रम में माननीय निदेशक, हिंदी समिति के सदस्य, संकाय सदस्य और कई छात्र उपस्थित थे। कार्यक्रम के दौरान पखवाड़ा कार्यक्रमों की योजना एवं संस्थान के द्वारा हिंदी में अर्जित उपलब्धियों को उल्लेखित किया गया। संस्थान ने हिंदी अधिकारी और पखवाड़ा की टीम की देखरेख में 14 से 29 सितंबर, 2018 के दौरान हिंदी पखवाड़ा का आयोजन किया। पखवाड़ा के दौरान कई तरह के कार्यक्रम, हिंदी लेखन शैलियों को कवर करते हुए आयोजित किए गए।



एकदिवसीय संगोष्ठी

मंत्रालय, राजभाषा विभाग के आदेशों के अनुपालन में संस्थान में दिनांक 12 मार्च 2019 को एक दिवसीय संगोष्ठी आयोजित की गई। संगोष्ठी का शीर्षक "हिंदी में कामकाज करने के लिए हमारा मनोविज्ञान" था, जिसमें संस्थान एवं ग्वालियर शहर में स्थित केन्द्रीय विभागों/संस्थानों के 30 प्रतिभागी भी सम्मिलित हुए। कार्यक्रम के मुख्य अतिथि संस्थान के निदेशक प्रो. एस जी देशमुख जी थे। कार्यक्रम की मुख्य वक्ता डॉ. राजरानी शर्मा एवं डॉ. उर्मिला तोमर, प्राध्यापक, के आर जी कॉलेज, ग्वालियर आमंत्रित की गई थी एवं हिन्दी समिति के



समस्त सदस्य, हिन्दी अधिकारी व संस्थान के समस्त संकाय व असंकाय सदस्यों ने कार्यक्रम में उपस्थित होकर अपना सहयोग प्रदान किया। डॉ. राजरानी शर्मा जी एवं डॉ. नवल बाजपेयीजी का विलक्षण एवं अद्भुत वक्तव्य समस्त प्रतिभागियों के लिए काफी ज्ञानवर्धक था। हिंदी में कामकाज करने के लिए हमारा मनोविज्ञान विषय पर उपस्थित प्रतिभागियों ने अपने विचार भी दिये जिससे सभी लाभान्वित हुए।

संस्थान के द्वारा हिन्दी में कम्प्यूटर प्रशिक्षण:-

कुल अधिकारियों/ कर्मचारियों की संख्या	कम्प्यूटर पर हिन्दी में प्रशिक्षितों की संख्या	कम्प्यूटर पर हिन्दी काम करने वालों की संख्या
1	2	3
48	31	31

संस्थान के विभिन्न विभागों द्वारा भेजे गये कुल पत्रों का ब्यौरा :

	हिन्दी / द्विभाषी में	केवल अंग्रेजी में	भेजे गये पत्रों की कुल संख्या	हिन्दी / द्विभाषी में भेजे गये पत्रों का प्रतिशत
	1	2	3	4
'क' क्षेत्र को	565	25	590	95:
'ख' क्षेत्र को	27	02	29	93:
'ग' क्षेत्र को	27	01	28	96:

1. हिन्दी कार्यशालाओं का आयोजन

- इस छमाही में आयोजित हिन्दी कार्यशालाओं का विवरण
- हिन्दी कार्यशालाओं की तिथियाँ
- हिन्दी कार्यशालाओं में उपस्थित प्रतिभागियों की संख्या

हिन्दी में कामकाज करने के लिये हमारा मनोविज्ञान

12.03.2019
28

संस्थान में हिन्दी कार्यशालाओं का विवरण :

तिमाही के दौरान कार्यशाला आयोजन की तिथि एवं संख्या	प्रशिक्षण की अवधि (घंटों में)	प्रशिक्षित अधिकारियों की संख्या	प्रशिक्षित कर्मचारियों की संख्या	कुल संख्या
1	2	3	4	
12 मार्च 2019 (1)	8	20	15	35

संस्थान के अतर्गत 2018-19 वर्ष के दौरान राज भाषा की नीति के कार्यान्वयन से सम्बन्धित विशिष्ट उपलब्धियों का संक्षिप्त विवरण :

क्र.स. शीर्षक	विवरण
1. हिन्दी दिवस	14 सितम्बर 2018 को मनाया गया
2. हिन्दी सप्ताह/पखवाड़ा/माह	हिन्दी पखवाड़ा 15 से 29 सितम्बर 2019 तक मनाया गया
3. हिन्दी संगोष्ठी	12 मार्च 2019 को एक दिवसीय संगोष्ठी आयोजित की गयी।
4. पुस्तक लेखन	हिन्दी में मौलिक पुस्तक लेखन योजना के अंतर्गत पुरस्कृत पुस्तकों का वितरण।
5. अन्य आयोजन	स्वच्छता अभियान के समस्त कार्यक्रम वर्ष भर हिंदी में ही किये गये हैं।
2. अधिकारियों/कर्मचारियों द्वारा कंप्यूटर पर हिंदी में कार्य करना	
संस्थान में अधिकारियों/कर्मचारियों की कुल संख्या	39/21
इनमें से कितने अधिकारी कंप्यूटर पर हिंदी का कार्य करते हैं	
इनमें से कितने कर्मचारी कंप्यूटर पर हिंदी का कार्य करते हैं	
3 पत्र – पत्रिकाओं आदि का हिंदी में प्रकाशन	
(अ) पत्रिका का नाम	गुंजन त्रिमासिक
(ब) प्रकाशन की तिथि	
4 हिंदी दिवस / हिंदी पखवाड़ा / हिंदी माह/ हिंदी संगोष्ठी आदि मनाए जाने का विवरण	
(अ) फाइलों पर हिंदी में लिखी गयी टिप्पणियों का प्रतिशत	हिन्दी दिवस-14 सितम्बर एक दिवसीय हिन्दी सगोष्ठी- 12/03/2019 हिन्दी पखवाड़ा 15 दिवस, 14 – 19 सितंबर 2018
5 पुस्तकालय में हिंदी पुस्तकों की खरीद का विवरण	
(अ) इस वित वर्ष कुल कितनी राशि की पुस्तके खरीदी गई	रु. 337266/-
(ब) इनमें से हिंदी पुस्तकों पर कुल कितनी राशि खर्च की गई	रु. 25000/-

Celebration of Swachhata Pakhwada- 2018

As per guidelines from Secretary, Ministry of Drinking Water & Sanitation a special program Swachhata Hi Seva (SHS) was observed from 15 Sep to 2 Oct, 2018 to accelerate Jan Andolan for realizing the Hon'ble Prime Minister's vision of a clean India.

On 22 Sep, 2018, Swachhata Oath was taken at Boys Hostel. No.2 by faculty, staff, students and workers. After oath, area in the vicinity Boys Hostel no.1, 2 and 3 was cleaned. The garbage was filled up in cart and tractor trolley and carried to dumping pits. Streets were swept.

Kitchens and dining spaces of hostels were inspected by Director, faculty and staff. Necessary instructions were given to mess managers to further improve cleanliness as regards disposal of food waste.

On 29 Sep, 2018 Swachhata oath was taken by all residents, staff and workers at Pocket-B. House wives and children's





were very much interested to participate. Almost all residents took swachhata oath. Children's expressed their views on swachhata. Explained how they observe cleanliness in house and schools.

During this Pakhwada, Nukkad Nataks were played at Gwalior Fort, Chaar Shahar Ka Naaka, Allahabad Bank etc. Each performance was very much appreciated by masses.

Institute made all out efforts for achieving the maximum cleanliness. As a result institute were awarded 9th Rank on all India level Swachhata Ranking competition on 1 Oct, 2018 at New Delhi by Hon. Minister for HRD Shri Prakash Jawadekar.

Extension and Communication Approach for Sustainable Agriculture

A Winter School for faculty members (Assistant Professor and above) of agriculture domain across India on the topic "Extension and Communication Approach for Sustainable Agriculture" during 19 Sept, 2018 to 9 Oct, 2018 was conducted successfully in association with Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalay, Gwalior sponsored by Indian Council of Agriculture Research. A total of Twenty Eight (28) participants across the country and 19 research scholars of Agriculture Research and Extension domain attended the School.

Major focus of the workshop was on the use of ICT in agriculture and agri-preneurship for uplifting farming productivity and farmers' income. The program was well coordinated by Dr Vinay Singh, Dr Manoj Patwardhan and Dr Vishal Vyas at our Institute TIIC centre. Both the institute took part and played their role very well.

World Environment Day 2018

World environment day 2018 was observed at sports complex of the Institute on 5 Jun, 2018. As scheduled, all participants of "summer camp" comprising of students from class three onwards, assembled early morning at 700hrs at sports complex.

After plantation all participants were made aware of this year theme "Beat Plastic Pollution". Students assured to have minimum use of plastic and no use of Single use plastic items. The importance of 4Rs (Refuse, Reduce, Reuse and Recycle) was discussed in detail.

Another program was organized for students of SGM (Students Gyan Movement). Essay writing (subject: Paryavaran Bachao) and slogan writing (subject: Paryavaran Bachao) competitions were held. In this event a total of 46 students participated.

Research Scholar's Conclave for Applied Sciences, Engineering and Management :

A four day Research Scholars Conclave was held at the MDP centre of the institute during 5-8 April, 2018. The programme was designed to provide a platform to research scholars, young faculty and students interested to pursue a doctoral



programme in Applied Sciences, Engineering and Management, by highlighting research problems and issues, plenary talks, research tools, and specific training for writing research paper and thesis. Entire research process from problem definition to research paper, project and thesis writing was covered. Participants were also trained in various research specific software and teaching pedagogy.

Objectives of the Research Scholars Conclave were as follows -

- To enable the participants towards pursuing a successful research and academic career
- To provide participants with preparation to become successful research scholars
- To offer a platform for showcasing doctoral research being carried out at IIIT/ IIT/IIM and other institutes
- To bridge gaps between academia and industry for productive and applied research
- To provide training programme on Research Methodology, Hands on relevant software, Research Paper Writing, Thesis Writing, Project Proposal etc.
- To provide an exposure towards different fellowships and funding opportunities

FDP on ADAMFR-2018

A six days faculty development programme on "Advanced Data Analytics in Marketing and Finance" was organised by ABV-IIITM, Gwalior from 20-25 April, 2018. The research programme has intended to develop an understanding for essentials of research methods. The programme has enclosed an integral applications of Multivariate Statistics, Financial Econometrics, and MCDM, in conducting relevant researches in the areas of marketing and finance.



The programme was coordinated and resourced by Dr. Vishal Vyas, Dr. Manoj Dash and Dr. Naval Bajpai. Dr. Jai Prakash Sharma was the administrative coordinator of this programme. Around 25 participants across country have participated and gained their fullest in terms of knowledge and applications.

MDP on MFPCFTIs- 2018

ABV-IIITM Gwalior organized two-days Management Development Program (MDP) on Measuring Financial Productivity of Centrally Funded Technical Institutes (MFPCFTIs-2018) from 12-13 May, 2018.



The main purpose of this MDP was to introduced the concept of working of Higher Education Financing Agency (HEFA) to the academic administrators of CFTIs for smooth functioning of regular administration activities and also to improve overall financial productivity of CFTIs. The programme had more than 20 administrators and deans from IITs, NITs and IIITs.

Dr. Gaurav Agrawal and Dr Manoj Kumar Dash were the Academic Coordinators and Dr. J P Sharma was the Administrative Coordinator of this programme.

Summer Camp (JOSH -2018)

JOSH-2018: Summer camp was organized from 15 May, 2018 to June 21, 2018 at Sport Complex of Institute for the campus kids as well as kids from nearby community.

Total 47 kids have participated in this camp, where 10 participants were from nearby community. Student activity council and its member have also contributed in this event. Various sports and physical education activities have been organized in this summer, like Yoga cum Meditation, Badminton, Basketball, Athletics, and dance. This year, organizing body has specially organized the self defence training session on Judo-Karate. All the kids were very excited to join this program and have participated very actively during the whole program.

This year campers have also participated in painting and best out of waste competition. Best performers of each game have been awarded with certificates and chocolates for their excellent performance in each individual game. The instructors Mr. Manvendra Singh Chauhan, Ms. Neelam Singh, Mr. Manoj Sharma Mr. Asif Khan and Ms. Sandhu have also enjoyed training the campus kids. The event was organized by Dr. Anurag Srivastava.

Faculty Development Programme on DAMR-2018

ABV-Indian Institute of Information Technology and Management Gwalior conducted a Faculty Development Programme on Data Analytics in Management Research (DAMR 2018) from 19-24, May 2018. The programme had more than 30 participants from all over the country.

Director of the Institute in his inaugural address stressed the need and importance of the training programme for young faculty and researcher.

It also encourages faculty, research scholars and students in addressing issues of public importance in the area of data analysis and modelling. Dr. Gaurav Agrawal and Dr Manoj Kumar Dash were the Academic Coordinators and Dr. J P Sharma was the Administrative Coordinator of this programme.

**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 various locations.







विश्वजीवनामृतं ज्ञानम्

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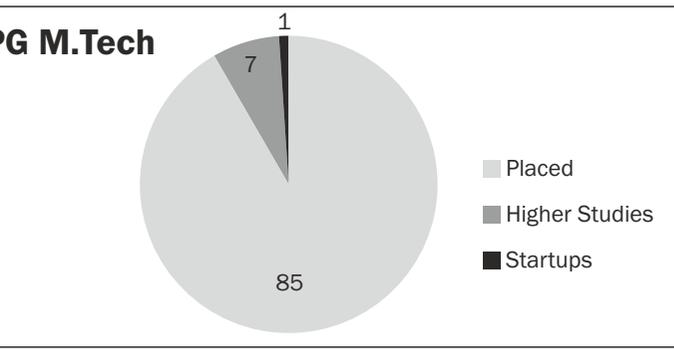


Figure : Pie Chart for IPG M.Tech placement

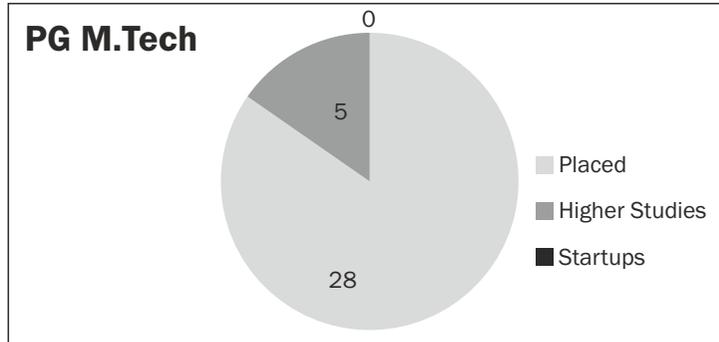


Figure : Pie Chart for PG M.Tech placement

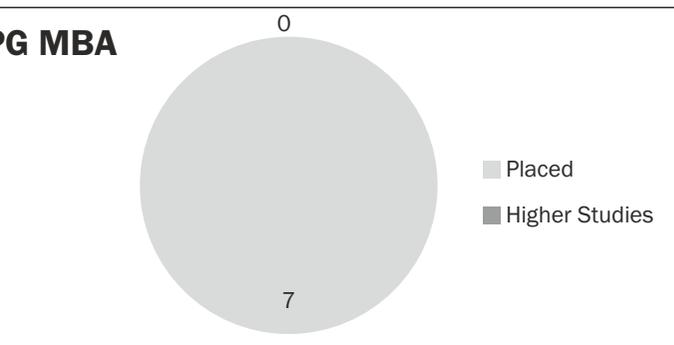


Figure : Pie Chart for IPG MBA placement

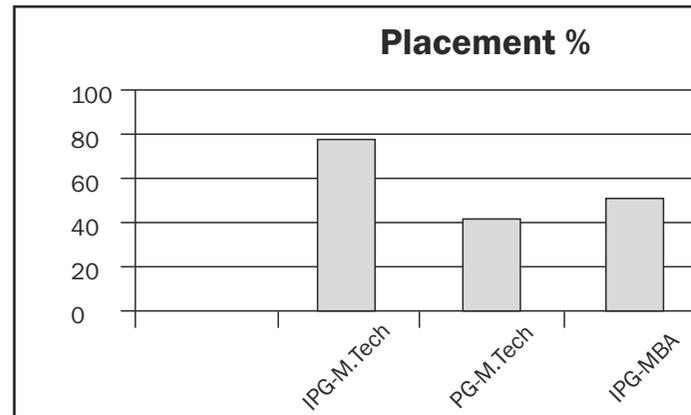


Figure : Percentage wise representation for f

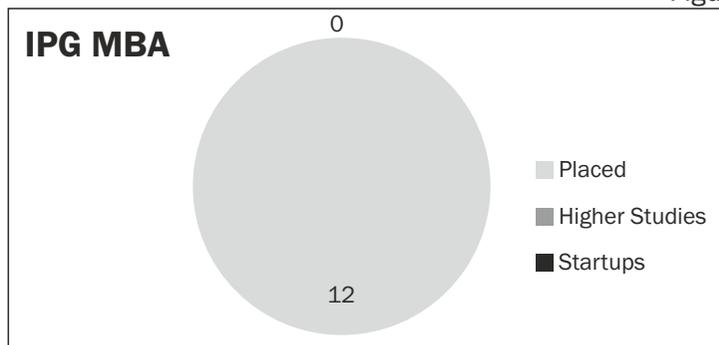


Figure : Pie Chart for PG MBA placement

