



**ABV-Indian Institute of Information
Technology & Management,
Gwalior, India - 474015**

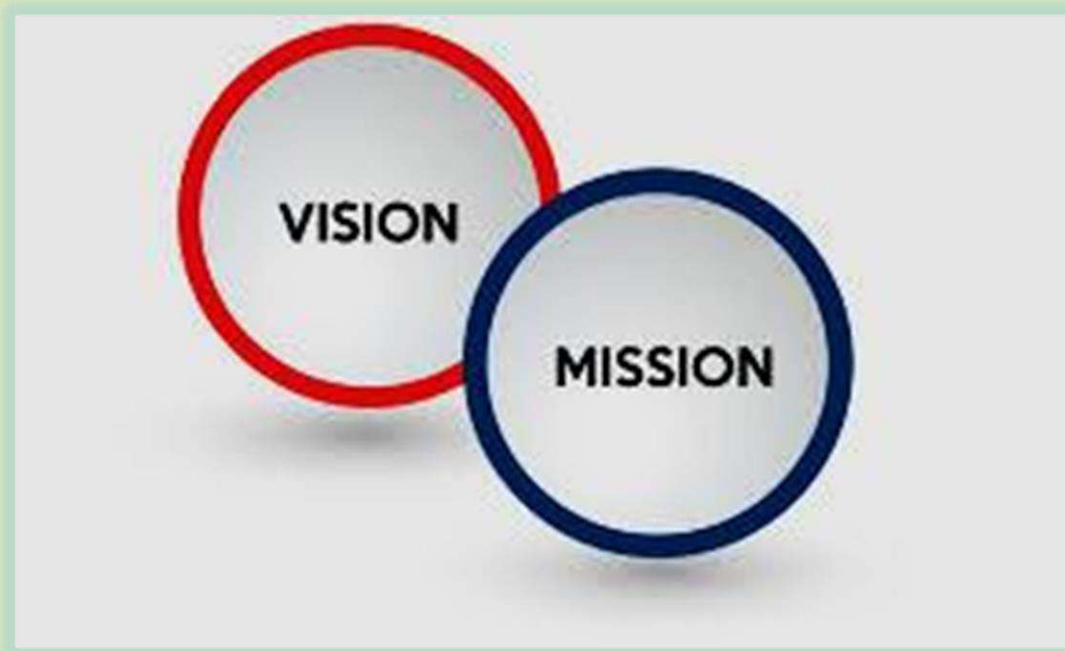
Prospectus 2019



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 concepts in cross cultural environments.*
- *Shaping students to be Innovative, Entrepreneurial, Supportive, Assured, and International.*

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Preface

As you are aware, India is playing a vital role in the digital global economy fuelled by IT. Taking a strong note of this, the institute, first of its kind in India, combining both IT and management was established by the Government of India as an apex autonomous institute to cater to the growing needs of the IT industry. The IT revolution is flattening and shrinking the world and intensifying competition which poses a variety of challenges and opportunities. The institute aims to take up this challenge upfront by grooming technology developers, technology managers and researchers through a carefully designed academic portfolio comprising B. Tech (CSE), Integrated postgraduate (IPG) programmes, M Tech, MBA, and Ph D.

The vision of the institute is to achieve global excellence in knowledge economy. This vision says little but means much more to all of us (faculty, students, staff and all our stakeholders) at the institute: a vision we personally believe with passion. The emerging knowledge economy requires special technical and managerial skills coupled with appropriate training and wide exposure to the state-of-the-art practices. Through dedicated efforts of faculty and students, the institute attempts to translate vision into action. We continuously strive for excellence through collaborative research in contemporary areas of relevance to society at large.

The strong foundation that we build in IT and in the select areas of management gives our students a distinctive edge to create solutions that improve lives and make the world flatter. A well-structured yet flexible curriculum enables students to develop a strong set of competencies desired in today's hyper-competitive world. A vibrant link with the industry, government and business helps students to capture the dynamism of the real world.

The institute has excellent physical and IT infrastructure and is able to attract brighter brains. The institute provides quality ambience to nurture creative minds. A strong base of vibrant alumni spread across the country and abroad is a testimony to our contribution to the IT landscape.

At ABV-IIITM, we are developing and training human resource to meet today's challenges and tomorrow's opportunities.



About the Institute

Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior (ABV-IIITM Gwalior), is an apex Information Technology (IT) and Management Institute, established by the Government of India. The institute is recognized as a deemed-to-be-university. ABV-IIITM Gwalior has been declared an Institute of National importance. The institute is NAAC accredited with "A" Grade. The Institute strives to become a world-class Institution which endeavors to carve young minds through teaching and research and develop them as tomorrow's leaders. The Institute's mandate is to create Information Technology enabled Management solutions for nation building.

The Institute offers various programmes at Masters and Doctoral level. Sprawling across 160 lush green acres on the foothills of Gwalior Fort, the Institute is self-contained with basic amenities for all round development of students. The Institute's activities are aimed at developing amongst students an inquisitive mind and a culture of camaraderie and research.

The Institute has established research collaborations with various Universities in USA, France, and Japan. The Institute has also developed industrial linkages with various research labs and industries. The students of the Institute are publishing their research work in various national/international conferences and journals of repute. The students of the Institute have won various contests organized by Intel, Microsoft IBM, etc. and are getting placed with the reputed companies like TCS, Wipro, Amdocs, Microsoft, Conexant etc.

Student's life and activities on the campus provide a challenging and creative environment, which inculcates independent thinking and develop holistic perspective. For all round development of students, various cultural and sports related events are organized throughout the year.



Quick Facts

Area of the institute (In acres)	150
Faculty Strength	39
Current number of students on roll as on, June 2019	950+
Ph.Ds. awarded till date	91
Laboratories at Institute	33
Available books in Institute Library	28500+
Number of Seminars/Workshops/Conferences/Short Term Courses (last three years)	48
AICTE/MHRD Staff Development Programmes (last three years)	20
Publications by Faculty in last five years in Referred Journals/Conferences/Workshops (As per SCOPUS indexed database) upto June 2019	1223



Faculty Expertise

<p>Prof. G.K. Sharma (gksharma@iiitm.ac.in) Ph.D. (Roorkee Univ.) (CAD of VLSI, AI, Parallel & Distributed Computing, Network & Security)</p>	<p>Prof. Rajendra Sahu (rsahu@iiitm.ac.in) PhD (IIT-Kgp) (e-Business, Financial Services, SCM, Data Mining)</p>
<p>Prof. S. Tapaswi (stapaswi@iiitm.ac.in) Ph.D. (IIT-R) (Image Databases, Computer Networks, Mobile Computing, Network Security)</p>	<p>Prof. Anupam Shukla (anupamshukla@iiitm.ac.in) PhD (NIT-R) (Soft Computing, AI, Speech Processing, Biomedical and Bio-informatics)</p>
<p>Prof. Aditya Trivedi (atrivedi@iiitm.ac.in) Ph.D. (IIT-R) (Digital communication, CDMA systems, Signal processing, and Networking)</p>	<p>Prof. M. Bhattacharya (mb@iiitm.ac.in) Ph.D. (Calcutta Univ.) (Medical image processing, soft computing, pattern recognition, artificial intelligence)</p>
<p>Prof. Karm Veer Arya (kvarya@iiitm.ac.in) Ph.D.(IIT-K) (Image Processing, Biometrics, Fault Tolerance Computing, Wireless Adhoc Networks, Secure Image Transmission, Signal Processing)</p>	<p>Prof. Pramod Kumar Singh (pksingh@iiitm.ac.in) Ph.D.(IIT-Kgp) (Soft Computing, Multi-objective Optimization, Computer Networks, Data Mining)</p>
<p>Prof. Anurag Srivastava (anurags@iiitm.ac.in) Ph.D.(Barkatullah Univ.) (Material Modeling, Nano Science & Technology, Content Digitization in Indian language, IT localization).</p>	<p>Prof. M. Patwardhan (manojp@iiitm.ac.in) Ph.D. (Jiwaji Univ.) (Human Resource Management, Organizational Behavior, General Management)</p>
<p>Prof. Naval Bajpai (nbajpai@iiitm.ac.in) Ph.D. (RSU) (Business Statistics, Business Research Methods, OB, Consumer Behavior, Marketing Research)</p>	<p>Prof. Joydip Dhar (jdhar@iiitm.ac.in) Ph.D. (IIT-K) (Industrial Mathematics; Mathematical Modelling and Simulation in Environmental, EMS, Management systems; Financial Mathematics and Fuzzy logic applications)</p>
<p>Prof. Manisha Pattanaik (manishapattanaik@iiitm.ac.in) Ph.D. (IIT Kgp) Leakage power reduction of nanoscale CMOS circuits, characterization of logic circuit techniques for low power/low voltage and high performance analog and digital VLSI applications and CAD of VLSI</p>	<p>Prof. Pankaj Srivastava (pankajs@iiitm.ac.in) Ph.D. (Allahabad Univ.) (Solid State Physics, Nanotechnology, Quantum computing & Information, nanoelectronics)</p>
<p>Prof. Gyan Prakash (gyan@iiitm.ac.in) Ph.D.(IIT-K) (Supply Chain Management, Information Systems)</p>	<p>Dr. Ritu Tiwari (ritutiwari@iiitm.ac.in) Ph.D.(NIT Raipur) (Biometrics, Robotics, Soft Computing and Bio-Medical Engineering)</p>

<p>Dr. Gaurav Agrawal (gaurav@iiitm.ac.in) Ph.D. (BU) (Financial Management, Financial Markets, Financial Econometrics)</p>	<p>Dr. K K Pattanaik(kkpatnaik@iiitm.ac.in) Ph.D.(BIT-Mesara) (Grid and Distributed Computing, Mobile Computing)</p>
<p>Dr. Ajay Kumar (ajayfma@iiitm.ac.in) Ph.D. (IIT-R) (Reliability, Optimization, Soft Computing)</p>	<p>Dr. Manoj Dash (manojdash@iiitm.ac.in) Ph.D. (BU, Orissa) (Econometrics, Managerial Economics, Entrepreneurship, Macro Economics, Research Methodology, Mktg Research, Consumer Behavior)</p>
<p>Dr. W. Wilfred Godfrey PhD (IIT,Guwahati) (Artificial Intelligence - Robotics, Multi-Robot Systems, Data Mining, Pattern Recognition)</p>	<p>Dr. Vishal Vyas PhD (Vikram University, Ujjain) (Financial Risk Management, Behavioural Finance, Project Feasibility and Finance, Derivatives, Investment Analysis, and Portfolio Management)</p>
<p>Dr. Vinay Singh PhD (IIT Kanpur) : (Strategy Management and Information System, Area of Research: Business and Information System under the umbrella of Technology and Management theory and Practice)</p>	<p>Dr. Anuraj Singh Ph.D. (IIT-Roorkee) (Mathematical Modeling, Nonlinear Dynamical Systems, Computational Biology, Control Theory)</p>
<p>Dr. Prasanjit Chanak Ph.D. (IEST Shibpur) (Data Structure, Mobile Computing, Wireless Sensor Networks, Computer Network)</p>	<p>Dr. Neetesh Kumar PhD (JNU, New Delhi) (Design and Analysis of Algorithms, DBMS, Parallel Computing, Cloud Computing)</p>
<p>Dr. Saumya Bhadoriya Ph.D. (IIT-Indore) (Computer Organization and Architecture, Information security, Network security, Optimization techniques)</p>	<p>Dr. Gaurav Kaushal PhD (IIT, Roorkee) (Microelectronics, Device Modelling, Low Power Circuit)</p>
<p>Dr. Yash Daultani Fellow, IIM Lucknow (Operations Management, Service Operations Management, Supply Chain Management, Total Quality Management, Lean Six Sigma Processes)</p>	<p>Dr. Sunil Kumar Ph.D. (IIT Guwahati) (Signal Processing, Image Processing and Computer Vision, Pattern Recognition and Artificial intelligence)</p>
<p>Dr. Santosh Singh Rathore Ph.D. (IIT Roorkee) (Software Quality Assurance, Software Fault Prediction, Empirical Software Engineering, Object-Oriented Software Development, Requirement Engineering, Machine Learning, Data Mining, Web Service)</p>	<p>Dr. Binod Prasad Ph.D. (NIT Durgapur) (Cognitive radio network, Cooperative communication, RF energy harvesting)</p>
<p>Dr. Somesh Kumar Ph.D. (IIT Ropar, Punjab) (Design and Fabrication of high-speed chip-chip and 3D interconnects, 3D Integration and TSVs, Graphene based nanoelectronic devices and interconnects, 3D IC design, Interconnect architecture for Network-on-chips, Flexible Devices)</p>	<p>Dr. Rajesh Rajagopal Ph.D. (IIST (ISRO) Trivandrum) (Supply Chain Management, Operations Management, Risk Management, Decision-Making, Grey theory, Uncertainty Modelling)</p>

<p>Dr. Debanjan Sadhya Ph.D. (IIT-BHU) (Biometric security and identification, Data privacy)</p>	<p>Dr. Vinal Patel Ph.D. (IIT-Gandhinagar) (Adaptive Signal Processing, Active Noise Control, Hearing Aid Design, Soft Computing, Microphone Array Beamforming)</p>
<p>Dr. Arun Kumar Ph.D. (ABV-IIITM, Gwalior) (Customer Relationship Management, Consumer Behavior, Service Quality and Business Excellence)</p>	<p>Dr. Pinku Ranjan Ph.D. (IIT (ISM), Dhanbad) (Wireless communication, Design of Antenna for biomedical Applications, 5G Application, Wearable Applications, IOT Device and its applications, Multi band hybrid antenna, MIMO antenna, Dielectric Resonator Antenna, RCS Reduction)</p>
<p>Dr. Jeevaraj S Ph.D. (NIT Tiruchirappalli) Fuzzy Mathematics, Soft Computing, Fuzzy Decision Making, Fuzzy Information System, Fuzzy and Intuitionistic Fuzzy Approximation, Similarity Measures, Aggregation Operators.</p>	

Adjunct Faculty / Fellow

<p>Prof. H M Gupta Ex-professor, IIT Delhi (Communication Systems, Computer Communications, Photonic Systems, Multimedia Information System)</p>	<p>Prof. N K Sharma Ex-professor, IIT Kanpur (Consumer Behavior, Marketing, Cognition)</p>
<p>Prof. D P Agrawal Honorary professor, EX-UPSC chairman, (Education System, Governance)</p>	<p>Prof. Prem Pyara Ex-professor , Dayalbagh Institute, Agra (Image Processing)</p>
<p>Dr. V S R K Krishnaiah Ph D. (IIT Delhi) (Public Systems, e-governance, Human Values)</p>	<p>Dr. Awdhesh Singh Ex-IRS , Ph D. (ABV-IIITM) (e-governance, General Management)</p>
<p>Dr. Manish Gupta Ph D. (University of Illinois, Urbana-Champaign, Illinois.) (Technologies for Learning, Machine Learning, Program Analysis, High Performance Computing.</p>	<p>Prof. G S Singh Ph D. (IIT Roorkee) (Condensed Matter Physics, Statistical Physics, Engineering Physics)</p>

Administrative Staff

Name	Designation
Shri R P Dwivedi	Registrar
Shri Pankaj K. Gupta	Joint Registrar
Shri D.P. Singh (On lien)	Joint Registrar
CA Shubhangi Udit Chaturvedi	Dy Registrar
Shri Anil Kumar Garg	Assistant Registrar
Shri Sandeep Upadhyay	Assistant Registrar
Shri D.K. Dwivedi	Security Officer
Dr. Ekta Sakwar	Junior Superintendent
Shri V.K. Joshi	Junior Superintendent
Shri N.S. Tomar	Junior Superintendent
Dr. J.P. Sharma	Junior Superintendent
Shri V.K. Dwivedi	Junior Superintendent
Shri S.K. Soni	Junior Superintendent (Library)
Smt. Deepa S. Sisodiya	Senior Technician
Shri T. S. Koundal	Cashier
Shri. Hemant Verma	Senior Technician
Shri. Lokendra Mavai	Senior Technician
Shri Mahesh S. Dhakad	Senior Technician
Shri N.P.S. Chauhan	Senior Technician
Shri R.S. Khushwah	Senior Technician
Shri Alok S. Jadon	Senior Technician

Books Published by Faculty

S. No.	Name of Book	Faculty	Year of Publication
1.	Evolutionary and Swarm Intelligence Algorithms	J C Bansal, P K Singh and N R Pal	2019
2.	Advances in Signal Processing and Communication: Select Proceedings of ICSC 2018 (Lecture Notes in Electrical Engineering)	B S. Rawat , A Trivedi , S Manhas and V Karwal	2018
3.	An Investigation of Entrepreneurial Inclination among Engineering Students: A Study Based on Multi-Criteria Decision Approach	C P Kapse, Manoj Dash	2018
4.	Emerging Wireless Communication and Network Technologies: Principle, Paradigm and Performance	Karm Veer Arya, R S Bhadoria, N S Chaudhari	2018
5.	Applying Predictive Analytics within the Service Sector	Rajendra Sahu, Manoj Kumar Dash, Anil Kumar	2017
6.	Discrete Problems in Nature Inspired Algorithm	A Shukla, and Ritu Tiwari	2017
7.	Handbook of research on intelligent techniques and modeling applications in marketing analytics	Anil Kumar, Manoj Kumar Dash, Shrawan Kumar Trivedi	2017
8.	Intelligent Techniques and Modeling Application in Marketing Analytics	Manoj Kumar Dash, Anil Kumar, Shrawan Kumar Trivedi, Tapan Kumar Panda	2016
9.	Marketing Research	Naval Bajpai	2015
10.	Fuzzy Optimization and Multi-Criteria Decision Making in Digital Marketing (Advances in Marketing, Customer Relationship Management, and E-Services)	Anil Kumar, Manoj Kumar Dash	2015
11.	Optimizing Assistive Technologies for Aging Populations (Advances in Medical Technologies and Clinical Practice)	Yosry S. Morsi, Anupam Shukla, Chandra Prakash Rathore	2014
12.	Energy Efficient VLSI Design and Implementation on 28nm FPGA: FPGA Based Energy Efficient Register, Memory and ALU Design	Bishwajeet Pandey, Manisha Pattanaik	2013
13.	Leakage Current and Ground Bounce Noise Aware MTCOMOS Techniques: Multi-Threshold CMOS Techniques for Combinational Circuit Design	Shashikant Sharma, ManishaPattanaik, Balwinder Raj	2013
14.	Intelligent Planning for Mobile Robotics: Algorithmic Approaches	RituTiwari, AnupamShukla and Rahul Kala	2012
15.	Security in Mobile Ad-Hoc Networks	Sandeep Kr Agrawal and Karm Veer Arya	2012
16.	UID in Informal Sector	Raveen Bishnoi and Dr. Manoj Kumar Dash	2012
17.	Population Dynamics Modelling with Nutrient Cycling & Pollutants: Mathematical Study of Population Dynamics with Nutrient Cycling under the Stress of Pollutants	Swati Khare, O.P. Misra, Joydip Dhar	2012
18.	Research Methodology	Naval Bajpai	2012
19.	Quantitative Analysis	David M Levine and Naval Bajpai	2011
20.	Business Research Methods	Naval Bajpai	2011
21.	Think New Think Better: Select Cases on Entrepreneurship	Manoj Dash, Manoj Patwardhan, and Gaurav Kabra	2011
22.	Managerial Economics (Text Book)	Manoj Kumar Dash	2010
23.	Neuromarketing : A Peep into Customers' Minds	Deepali Singh, D P Agrawal J K Sharma and KK Deepak	2010

24.	Real Life Applications of Soft Computing	Anupam Shukla, Ritu Tiwari and Rahul Kala	2010
25.	Towards Hybrid and Adaptive Computing: A Perspective	Anupam Shukla, Ritu Tiwari and Rahul Kala	2010
26.	Intelligent Medical Technologies and Biomedical Engineering: Tools and Applications	AnupamShukla and RituTiwari	2010
27.	Biomedical Engineering and Information Systems: Technologies, Tools and Applications	AnupamShukla and RituTiwari	2010
28.	Demand Chain Management	Deepali Singh, DP Agrawal and D K Agrawal	2010
29.	Mobile Computing- Technology, Application and Service Creation	Asoke K Talukder, Roopa R Yavagal and Hasan Ahmed	2010
30.	Applied Demand Analysis (Research Book)	Manoj Kumar Dash	2009
31.	Brand Management	Mahim Sagar, Deepali Singh and D P Agrawal	2009
32.	Business Statistics	Naval Bajpai	2009
33.	Emerging Business Strategies: A Road Map and Road Block to Indian Sub-continent (Edited Book)	Manoj Kumar Dash	2008
34.	Need For HR Renaissance in India (Edited Book)	Manoj Kumar Dash	2008
35.	Marketing Innovations for Reaching Consumers (Edited Book)	Manoj Kumar Dash	2008
36.	Operating Systems	R C Joshi and S Tapaswi	2005

List of Sponsored Research Projects

S.No.	Financial Year	Name of Principal Investigator	Title of the Project	Name of the Funding agency
1.	2019-2020	Dr. Yash Daultani	Assessing the user satisfaction of NPTEL and extricating policy implications of e-learning	IMPRESS, MHRD
2.	2018-2019	Dr. Prasenjit Chanak	Development of a smart monitoring system for health and oestrous of dairy cows in remote location	DST, New Delhi
3.	2018-2019	Dr. Neetesh Kumar	IoT based automated, real time and effective traffic signal scheduling for smart city	DST- Interdisciplinary Cyber Physical System (ICPS)
4.	2017-2018	Dr. Kiran Kumar Pattanaik	Wireless Sensor In – Network Distributed Detection Mechanisms for Structural Health Monitoring in C	DST-Indo Srilanka
5.	2016-2017	Prof. Gyan Prakash	DST-UKEIRI, Joint Project "Exploring the impact of food processing on the sustainability of the food supply chains a UK, India Bilateral Analysis	DST ,New Delhi
6.	2016-2017	Prof. G K Sharma	Special Manpower Development Programme for chips to system Design	DeITY/MCIT, New Delhi
7.	2016-2017	Prof. Shashikala Tapaswi	ISEA Phase II	DeITY, New Delhi
8.	2016-2017	Prof. Anurag Srivastava	Ab-Inito investigation of structural and electronic and Optical properties of B (In)- V Nanowires	DAE, BRNS Mumbai

9.	2016-2017	Ms. Manisha Chaudhary Prof. JoydipDhar	Exploitation and conservation of forestry resources using mathematical models	MST, DST, New Delhi
10.	2016-2017	Prof. Anurag Srivastava	Technology Incubation & Development of Entrepreneurs in the areas of Electronics and ICT	MCIT, DIT, New Delhi
11.	2016-2017	Prof. Mahua Bhattacharya	Vision Based Expert System Design for Cooton Plucking	CSIR, New Delhi
12.	2016-2017	Prof. Pankaj Srivastava	Ab-Initio study of Mn-doped II-VI and iii0V semi conduction Nanowires	SERB, DST, New Delhi
13.	2016-2017	Prof. Karm Veer Arya	Identification of person using Android Operating System	DST, New Delhi
14.	2016-2017	Prof. Anurag Srivastava	Ab-Initio Investigation of structural and electronic properties of Zn (Cs)-VI Nanowires	MST, DST, New Delhi
15.	2016-2017	Prof. Mahua Bhattacharya	The effect of electromagnetic radiation on biological cell/tissues: Blood Cell using Non invarsive imaging	DST and DOT, New Delhi
16.	2016-2017	Dr. Kiran Kumar Pattanaik	Web enabled Electronic Personal Medicine Administrator for Elderly	DST New Delhi
17.	2016-2017	Dr. Kiran Kumar Pattanaik	Multimobile Agent System based Train Operations under Moving Block	MCIT, DIT, New Delhi
18.	2016-2017	Dr. Pradip Swarankar	Sociology of Social Network Sites	ICSSR, New Delshi
19.	2016-2017	Prof. Anurag Srivastava	IT enabled village resource Center (GURVE)	State Planning Commission, Bhopal
20.	2016-2017	Prof. Anupam Shukla	Speech Based Access of Agricultural Commodity Prices & Weather Information in 12 Indian Languages Dialects (ASR) Consortium	DeITY, MCIT, New Delhi
21.	2016-2017	Prof. Anupam Shukla	Multi Mobile Wireless Sensor Networks in Tracking & Surveillance	DeITY, MCIT, New Delhi
22.	2016-2017	Prof. ShashikalaTapaswi	Interfacing Ad-hoc Mobile Networks with IP Mobile Systems	UGC/UK
23.	2016-2017	Dr. Anuraj Singh	Complexity and its control in Nonlinear Dynamical Systems	SERB, DST, New Delhi

Academic Programmes

➤ **Doctoral Programme**

The institute offers structured doctoral programme in the areas of Information and Communication Technologies, Management and Applied sciences.

➤ **Integrated Post Graduate (IPG) Programme**

The Institute offers a five year Integrated Post Graduate (IPG) programme leading to dual degree of Bachelor of Technology in Information Technology and Master of Technology (IT)/ Master of Business Administration.

➤ **Master of Technology Programme**

The Institute offers a four-semester Master of Technology programme (M.Tech) in Computer Networks, Digital Communication, Information Security and VLSI & Embedded Systems.

➤ **Master of Business Administration Programme**

The Institute also offers a four-semester programme Master of Business Administration. The focus of the programme is to integrate IT with business processes. The programme offers various courses falling under the specialization areas of Marketing Management, Technology & Operations Management, IT & Systems, Finance, Human Resource Management, Management of Social Sector, and Business Analytics.

➤ **B Tech (Computer Science & Engineering)**

The institute offers a 4-year undergraduate programme in Computer Science & Engineering.

Admission Pattern

The admissions to all the academic programmes are based on all India level competitive examinations. Reservation of seats in all the academic programmes is as per Government of India (GoI) norms.

Program	Eligibility	Minimum Duration	Procedure
B Tech (Computer Science & Engineering) Integrated Post Graduate (IPG) Programme. This programmes awards dual degrees of :B Tech (IT) +M Tech (IT) Or B Tech (IT) + MBA	As per JEE norms. For details please visit : IIT website	Four Years / Five Years	The students have to give their choice for ABV-IIITM Gwalior in Counseling. Based on their choice and rank in JEE examination, admission is offered to IPG Programme.
Master of Business Administration (MBA)	The Candidates must possess (i) valid CAT score and (ii) First class bachelor degree in any branch of Engineering/Technology or first class master degree in Science, Operation Research, Computer Science, Economics or Commerce with Mathematics or Statistics at the bachelor level. Students appearing in the final examination are also eligible to apply. A relaxation of 5 % in marks is provided to SC/ST candidates. The reservation is as per GoI norms.	Two Years	Students are short-listed through Common Admission Test (CAT) Administered by IIMs. This is followed by discussion and personal interview conducted by ABV- IIITM Gwalior. Student's previous academic qualifications and work experience is given due weightage.
Master of Technology (M Tech) in Computer Networks, Digital Communication, Information Security, and VLSI & Embedded systems.	As per CCMT norms	Two Years	The students have to give their choice for ABV-IIITM Gwalior in Counseling. Based on their choice and as per CCMT norms.
Ph. D. in various areas related to Computer Science/ Information Technology/ Management/ Applied Sciences (Mathematics and Physics)	GATE qualified candidates having Bachelor degree in CSE/E&C/ Electrical Engineering/IT or equivalent with 1st division (or equivalent CGPA). Candidates appearing in the final semester exam may also apply. Relaxation to SC/ST/PH/OBC candidates as per GOI norms. Computer Science /Information Technology: Master's Degree in Engineering in the areas related to CSE/ IT/ E&C or equivalent with Engineering background having 1 st division or equivalent CGPA. MSc/MCA in addition to BE/B Tech as a prior qualification of ME/M Tech. Preference shall be given to candidates with GATE qualification. Management: Candidates must possess first class master's degree or equivalent CGPA in Management or in any branch of Engineering or Technology OR First class master degree or equivalent CGPA in Science, Operations Research, Computer Science, Economics or Commerce with Mathematics or Statistics at the bachelor level.	Five Years (maximum)	Candidates are shortlisted on the basis of score obtained in Graduate Aptitude Test in Engineering (GATE) examination. The candidates are eligible for scholarships as per Institute/GoI norms.

	<p>Preference shall be given to candidates with CAT/JMET qualification. NET/SLET/GATE score is mandatory for candidate with MSc/ MCom/ MA qualifications.</p> <p>Reputed International Journal Publication is required for candidate with MSc/ MCom/ MA with M Phil qualification.</p> <p>Applied Sciences: Master of Science in Physics, Mathematics/ MSc in Electronics/ Nanotechnology; MTech/ MPhil in material Science/ Nanotechnology/ Computational Physics/ Computational Mathematics having 1st division or equivalent CGPA.</p> <p>NET/GATE qualification is compulsory for MSc candidates. Reputed International Journal Publication is required for candidate with M Phil qualification.</p>		
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Fee Structure 2019 batch

S. No.	Particulars	UG Program	IPG	M. Tech.	Ph. D.	MBA
A	Institute Fees					
1.	Tuition Fees	58575	58575	55000	22660	73260
2.	Semester Fees (Examination)	1500	1500	1500	1500	1500
3.	Course Material Fees	2000	2000	2000	0	2000
4.	Registration/Enrolment Fees	1000	1000	1000	1000	1000
5.	Internet and Computer Charges	1000	1000	1000	1000	1000
6.	Medical Facilities	1000	1000	1000	1000	1000
7.	Hostel Development Fund	500	500	500	500	500
8.	One time Payments * (at the time of admission)	19250	19250	19250	20750	19250
	Total Institute Fee (A)	84825	84825	81250	48410	99510
B	Hostel Room Charges (B)	11000	11000	11000	11000	11000
C	Hostel Mess Fees (C) #	13500	13500	13500	13500	13500
	Total (A) + (B) + (C):	<u>109325</u>	<u>109325</u>	<u>105750</u>	<u>72910</u>	<u>124010</u>

includes Rs. 2500 security deposit

Note: SC/ST students will be exempted from payment of Tuition fees only.

All other fees are payable by them.

One time Fees

S. No.	Particulars	Amount B.Tech./IPG/MBA/M.Tech.	Ph.D.
1.	Admission Fees	1500	1500
2.	Thesis Fees	0	3000
3.	Grade Card	750	750
4.	Provisional Certificate	500	1000
5.	Student Welfare Fund	4000	4000
6.	Identity Card	500	500
7.	Alumni Fees	-	-
8.	Training & Placement Charges	2000	1000
9.	Sports Activities	3000	3000
10.	Other Cultural Activities	2000	2000
11.	Institute Security Deposit	3000	2000
12.	Library Security Deposit	2000	2000
		19250	20750

Academic Regulations

➤ Reservation Policy

Reservations for Scheduled Caste (SC), Scheduled Tribe (ST), and Other Backward Classes (OBC), Physically Handicapped (PH), and Economically Weaker Sections (EWS) candidates are as per the Government of India rules.

➤ Provisional Admission

- Students admitted provisionally or otherwise to any programme shall submit copies of their mark sheets, provisional certificates, etc. of the qualifying examination and other documents at the time of admission or by the last date as specified by the academic section of the Institute.
- The admission of a student who fails to submit the prescribed documents by the specified date or fails to meet other stipulated requirement(s) may be cancelled by the Senate. The Senate may also cancel the admission of a student at a later time if it is found that the student was unfit at the time of admission or had supplied some false Information/certification or suppressed relevant information while seeking admission in the Institute.

➤ Academic Session

- The academic year of the Institute normally begins in the last week of July every year and ends by the end of June of the next calendar year. It is divided into three parts: Semester I, Semester II and Summer Term.
- Each of the two semesters consists of several weeks each inclusive of one week of mid-semester recess. The last week of each semester is used for the end semester examination (called as “Major” examination) and half a week during the semester is utilized for the mid-semester examinations (called as “Minor” examinations). Thus, there are about fourteen working weeks (5 days of instruction per week) in each semester. The summer term consists of about eight (8) working weeks, excluding the three days taken up by the mid - term and the end-term examinations.
- The exact dates of all the important events, such as orientation, registration, late registration, commencement of classes, adding and dropping of courses, submission of documents, examinations, submissions of grades, vacations, mid-semester recess, etc., during the academic session are specified in the academic calendar of the Institute. Institute informs in time if any additional academic events are introduced, other than the events mentioned in academic calendar.

Second Examination on Medical / Extraordinary Grounds

A student will be allowed to take the second Examination(s) for the subject only on medical grounds and the information has to be given in advance. If a student is absent during Examination(s) of a course due to medical reasons or other special circumstances, he/she has to intimate in writing at least two days in advance of the Examination(s) in which he/she is not able to appear in the Examination(s) on medical ground, a fee as per Institute norms per subject will be applicable. A second examination shall be held normally within one month. Also in such cases the student must apply for I grade, and this I grade can be converted after the second examination to proper letter grade not exceeding B.

The application for second examination on medical grounds should be supported by a proper Medical Certificate from Government Hospital (certifying the illness) and should be duly approved by Institute Medical Officer and Competent Authority of Institute. If, however, a student is outside the campus at the time of illness or a mishap/accident, his/her application should be supported by a Medical Certificate issued by a Medical Officer of the rank of the Deputy Chief Medical Officer or above, of the concerned: District. The Institute reserves the right

to accept or reject such an application and the recommendation of - the Committee approved by Chairman Senate, shall be final in this respect.

Semester Registration

General Considerations

- On the dates specified in the academic calendar of the Institute, all students are required to register in person in each semester for the courses to be pursued by them as per their programme requirements. The entire responsibility for the semester registration rests with the student concerned.
- The semester registration in the Institute involves:
 - a) Filling of the registration form mentioning the courses to be credited in the semester/summer term from among the courses offered by the Institute and the programme requirements specified in the curriculum, and
 - b) Payment of fees and clearance of outstanding dues, if any.
- A new student in the Institute, who has appeared in the qualifying examination but has not got the final result of the same, may be allowed to register provisionally on submission of a certificate from her/his last institution stating that she/he has appeared in the final examination including theory as well as practical. Such a candidate is required to submit documents of having passed the qualifying examination by the last date for document submission, as given in the academic calendar of the Institute, for getting her/his registration regularized (normally by the end of September)
- If for any compelling reason like illness, etc. a student is unable to register on the day of registration, he/she can register on the late registration day (i.e., after about a week from the beginning of the semester) specified in academic calendar on payment of the late registration fee. However, if a student seeks prior permission to register late on valid grounds, she/he may be allowed to register without paying the late registration fees.

Academic Load and Registration for Courses

- A list of courses to be offered during the semester is put up on the notice boards/ website and is made available to the Course Coordinators.
- A student is normally permitted to register for six/seven courses per semester as per the IPG curriculum of the Institute. Each course carries a weightage in terms of credits depending upon the number of contact hours including lectures and tutorials and/or
- Laboratory hours attached with the course. The normal academic load consists of 25-30 credits per semester.
- A student is required to ensure that she/he has completed the pre-requisite(s), if any, for each course to be registered for. At any stage if it is found that she/he is not meeting the pre-requisites of a course then the registration of the student in that course may be cancelled.
- A student may, however be permitted to take an overload of maximum of six –credits for the purpose of:
 - (i) Enriching her/his knowledge or
 - (ii) To clear backlogs
- A student, for valid reasons may also be allowed to take a reduced load.
- An academically deficient student may be required to take a reduced load as per the provisions/ recommendations of competent Authorities. An academically deficient student is one who has accumulated backlog of courses by either not registering for or by failing in the course in spite of registering in it in previous semester(s). The deficiency may be due to several reasons such as poor grades, not registering for course(s) due to health and /or other reason(s).
- Registration of deficient students is done as per the recommendations of the Student Advisory Committee.

Registration of a Deficient Student

- A deficient student is one who either has not taken or has taken but failed in the course(s) of previous semester(s). The deficiency may be due to poor grades, not registering for course(s) and/or for health and/ or for other valid reason(s).
- The programme for deficient student must be framed on advice of the concerned faculty.

Adding and Dropping of Courses

- For a course to be offered in a particular semester, a minimum of six students must be registered for that course.
- A student may add course(s) within one week of the beginning of the semester or by the last date specified in the academic calendar of the Institute. For this, she/he is required to fill the appropriate form and get the endorsement of (i) faculty-advisor and/or (ii) the course coordinator of the course to be added and submit the same to the academic section for approval.
- A student may drop course(s) within two weeks of the beginning of the semester or by the last date specified in the academic calendar of the Institute. In normal circumstances, no endorsement is required for course dropping. However, if due to dropping of a particular course, the student strength falls below the requirement of the specified minimum number of students to run the course, then the course drop is permitted only on the endorsement of the course-coordinator.
- A student is supposed to drop a course at any stage if (i) course coordinators recommends as she/he does not meet the requirements of the course, or (ii) there is a clash in the student's time table preventing her/him from attending the course (it is the duty of the student to avoid clash right from the beginning), or (iii) she/he is found not eligible to register for that course for any other reason.

Summer Term Registration

- Summer term courses are offered generally to help deficient students in clearing their backlogs.
- A deficient student would be eligible for registration in the summer term/BTP projects/summer internships/minor projects only if she/he has attended a minimum of 75% classes for the course offered during her/his regular semester.
- Deficient students are required to register during summer term on the advice of the course coordinator.
- No student is normally allowed to register for more than two courses during the summer Term.
- In view of the short duration of the summer term, late registration and adding and dropping of courses are not permitted.

Cancellation of Registration

- Absence for a period of four or more weeks at a stretch or in total during a semester/summer term shall result in an automatic cancellation of the registration of a student from all the courses in that semester/summer term.
- In case the absence is in a particular course then the student is required to drop that course in the given semester.

Conduct of Courses

- Each course is conducted by the course coordinator (in some cases with the assistance of the instructors and / or tutors). The course coordinators is responsible for planning and running the course, conducting the examinations, evaluating the performance of registered students, awarding the grades at the end of semester / summer term and submitting the grades to the academic section.

- The evaluation of students in a course is a continuous process and is based on their performance in end-semester examination, mid-semester examination, quizzes, assignments, tutorials, projects, laboratory work (if any), etc. The course coordinator shall announce the evaluation scheme along with the weightage for various components at the beginning of the course
- The schedule for the mid-semester examination, end-semester examination and make-up examination (if any) is prepared and announced by academic Section.

Regulations in Respect of Use of Unfair Means in Examinations

- Examination is an important part of academic process. The Institute is committed to conduct fair and transparent examination. In this process, it is imperative that student also conduct himself/herself by observing a code of conduct. He/she is required not to adopt any unfair means during the examination process. In case a student is found adopting or suspected of adopting unfair means in the Examinations, penal action shall be taken by the Institute against the student as may be necessary and adequate to uphold the sanctity and integrity of the examination system and the credibility of the Institute.
- The disciplinary committee shall enquire into the cases of attempt at unfair means in the test/examination. A student whose offence is established shall be dealt with under the provisions of the disciplinary regulations. The action could include suspension, rustication/expulsion from the institute.
- A student whose guilt is established shall be dealt with under the provisions of the disciplinary regulations.

Classification of Unfair means

S. No.	Unfair means	Details
1	UF1	(a) A student found talking to another student during the examination hours. (b) If during the examination hours i.e., after receipt of the question-paper and before handing over the answer-book a student is found to be talking to a person outside the examination hall while going to the urinal etc. (c) Changing seat in the examination hall without permission.
2	UF2	(a) Attempt to influence the examiner by an appeal in the answer-book. (b) Writing either the questions set in the paper or solutions thereof on paper/electronic device etc. while during the examination.
3	UF3	Possession of cell phone or any other item of such type of communication in examination hall.
4	UF4	To be found in possession of any written or cyclostyled notes or any printed materials or notes written on any part of the body/clothing or instruments such as set square, electronic device etc., or desk or drawing board during the examination.
5	UF5	If during the examination hours i.e. after receipt of the question paper and before handing-over the answer book a student is found: (a) To be copying or to have copied from any paper, book or note written on any part of his/her clothing or body or table or desk or instruments like setsquare etc. (b) To be consulting notes or books while being outside the examination hall During examination hours. (c) To be passing on a copy of question(s) set in paper or solution thereof to anyone. (d) To have received help from or given to another candidate through some written material/electronic device pertaining to the questions set in the paper concerned. (e) To have allowed any other candidate to copy from his/her answer-book. (f) To be Communicating or attempting to communicate directly or through someone else with the examiner or anybody connected with the Institute

		Examination for influencing them in the award of marks. (g) To be guilty of swallowing or destroying any note or paper found on him/her.
6	UF6	(a) Found in possession of a solution of a question set in the paper through the help of any student, staff or some other agency. (b) Found guilty of having made previous arrangement to obtain help in connection with the question paper in case not covered by the above provision.
7	UF7	(a) Smuggling in an answer book, taking out or arranging to send out an answer book. (b) Deliberately or unknowingly taking the answer book outside the examination hall. (c) Writing deliberately another student's roll no. in his/her answer-book or found in possession of an answer book not his/her own or impersonating another candidates in any examinations. (d) Guilty of serious misconduct in the examination hall or non-compliance with the instructions of the superintendent or any of the invigilators in the examination hall.
8	UF8	Any person who is not a candidate for any examination found committing or abetting in committal of any of the offences mentioned above.
9	Others	CASES NOT COVERED BY THESE REGULATIONS, to be decided by the Chairman, Senate.

The following action may be taken for different categories of offences under this regulation.

UF1: Nature of Offence

- (a) A student found talking to another student during the examination hours.
- (b) If during the examination hours, i.e. after receipt of the question-paper and before handling over the answer-book a student is found to be talking to a person outside the examination-hall while going to the urinal etc.
- (c) Changing seat in the examination-hall without permission.

UF1.A : Action to be Taken

The first answer book to be cancelled and a new answer book to be provided and evaluated.

UF2: Nature of Offence

- (a) Attempt to influence the examiner by an appeal in the answer-book.
- (b) Writing either the questions set in the paper or solutions thereof on paper/electronic device etc. while during the examination.

UF2.A: Action to be Taken

The examination of the concerned paper to be cancelled.

UF3: Nature of Offence

Possession of cell phone or any other item of such type of communication in examination hall.

UF3.A: Action to be Taken

The examination of the concerned paper to be cancelled.

UF4: Nature of Offence

To be found in possession of any written or cyclostyled notes or any printed materials or notes written on any part of the body/clothing or instruments such as set square, electronic device etc. or desk or drawing board during the examination.

UF4.A: Action to be Taken

All the examination for that semester to be cancelled.

UF5: Nature of Offence

If during the examination hours i.e. after receipt of the question paper and before handing-over the answer book a student is found:

- (a) To be copying or to have copied from any paper, book or note written on any part of his/her clothing or body or table or desk or instruments like setsquare, etc.
- (b) To be consulting notes or books while being outside the examination hall during examination hours.
- (c) To be passing on a copy of question (s) set in paper or solution thereof to anyone.
- (d) To have received help from or given to another candidate through some written material/electronic device pertaining to the questions set in the paper concerned.
- (e) To have allowed any other candidate to copy from his/her answer-book.
- (f) To be communicating or attempting to communicate directly or through someone else with the examiner or anybody connected with the Institute examination for influencing them in the award of marks.
- (g) To be guilty of swallowing or destroying any note or paper found on him/her.

UF5.A : Action to be Taken

All the examination for that semester to be cancelled and the student to be debarred from appearing at all Institute examinations during the next semester.

UF6: Nature of Offence

- (a) Found in possession of a solution of a question set in the paper through the help of any student, staff or some other agency.
- (b) Found guilty of having made previous arrangement to obtain help in connection with the question paper in case not covered by the above provision.

UF6.A: Action to be Taken

All examination to be cancelled for that semester and the student to be debarred from appearing at any Institute examination for the next two semesters.

UF7: Nature of Offence

- (a) Smuggling of an answer-book, taking out or arranging to send out an answer-book.

- (b) Deliberately or unknowingly taking the answer book outside the examination hall.
- (c) Writing deliberately another student's roll no. in his/her answer-book or found in possession of an answer book not his/her own or impersonating another candidates in any examinations.
- (d) Guilty of serious misconduct in the examination hall or non-compliance with the instructions of the superintendent or any of the invigilators in the examination hall.

UF7.A: Action to be Taken

All examination of that semester to be cancelled and to be further debarred from appearing in any Institute Examination for a period of three to four semesters or expulsion from the Institute depending on the gravity of the offence.

UF8: Nature of Offence

Any person who is not a candidate for any examination found committing or abetting in committal of nay of the offences mentioned above.

UF8.A: Action to be Taken

To be dealt with by the Chairman, Senate in an appropriate manner.

Others: Cases Not Covered by These Regulations

Others. A : Action to be Taken

To be decided by the Chairman, Senate.

Grading System and Performance Indices

Grades and Grade Points

The minimum credit requirements for **B.Tech (CSE)/ Integrated Post Graduate programme/M. Tech or MBA is of the order of 150-160 / 230-240/ 70-75 credits respectively.**

Award of Grades

The grade awarded to a student in a course, other than laboratory course, for which he/she is registered, will be based on his/her performance in quizzes, tutorials, laboratory work, workshop and industry and home assignments, as applicable; in addition to a minimum of two minor tests and one major test. The distribution of weightage is to be decided and announced by the course coordinator. For laboratory courses, the course coordinator will evolve a method of evaluation and announce it in the first laboratory class.

The grades that can be awarded, and their equivalent numerical points, are listed below:

Grade	Grade Points	Description of Performance
A	10	Outstanding
A(-)	9	Excellent
B	8	Very Good
B(-)	7	Good
C	6	Above Average
C(-)	5	Average
D	4	Below Average
F	0	Very Poor
I	-	Incomplete
NP	-	Audit Pass
NF	-	Audit Fail

The Semester Grade Point Average (SGPA) is calculated as follows:

$$SGPA = \frac{\sum (\text{Number of Credit} \times \text{Grade Points})}{\sum (\text{Number of Credits})}$$

For the purpose of calculation of SGPA or CGPA, only those courses (including minors and majors projects) will be taken into account in which the student has been awarded one of A, A(-) B, B(-) C, C(-) , D grade.

Earned Credits (EC)

- The credits for the courses in which a student has obtained 'D' (minimum passing grade for a course) or a higher grade will be counted as credits earned by him/her. Any course in which a student has obtained E, F, I or NP grade will not be counted towards his/her earned credits.
- In addition to the credit courses, specified number of courses shall be compulsory audit courses. In order to clear compulsory audit courses a student must get an 'NP' grade to clear them. It is essential that a student pass the compulsory audit course. In the event of his/her failure to do so he/she shall be not declared pass even though he/she has cleared the credit courses.
- A student is not permitted to re-register for a course, which he/she has undergone and in which he/she has secured 'D' or higher grades.

I Grade

- An 'I' grade denotes incomplete performance in any course. Upon completion of all course requirements, the 'I' grade is converted to a regular grade (A to F, NP or NF) subject to having fulfilled attendance.

NP and NF Grades

- These grades are awarded in courses, which the students opt to audit. For non-compulsory audit courses, Applications are allowed during the first four weeks of a semester. The audit pass (NP) grade is obtained in the course based on the criteria as specified by the concerned course coordinator.
- Students registered in various courses are awarded letter grades by the concerned course-coordinator at the end of the semester/summer term on the basis of student's performance in various components of evaluation such as examinations, quizzes, assignments, guidelines set by him/her at the beginning of the semester, laboratory work (if any) and the attendance in classes.
- If a student does not complete all the requirements of a credit course due to legitimate reasons, the course coordinator may award an I grade (incomplete). However, the coordinator is required to convert an I grade to the proper letter grade on or before the last date for such a conversion, as specified in the academic calendar, failing which I grade is automatically converted to an F grade.
- A student who has completed all her/his courses but does not possess a CGPA of 5.0 will be asked to add/repeat/substitute a few courses by the course coordinator/academic committee.

Auditing of Courses

- The Institute encourages students towards supplementary learning by auditing for additional courses. The permission to audit a course has to be taken from the concerned course coordinators. However, the auditing of course(s) is permitted only after a student has satisfactorily completed minimum credit of the course work.
- Auditing of a course is permitted only up to the last date for adding of courses, as given in the Institute's academic calendar. Dropping of an audit course, however, can be done at any time of the semester by filling a formal application for the same.
- The grades obtained in the courses registered as audit course shall not be counted for the calculation of the Semester Grade Point Average (SGPA) or the Cumulative Grade Point Average (CGPA).

Performance Indices

- The Semester Grade Point Average (SGPA) of a student is an indicator of her/his overall academic performance in all the courses she/he registers for during the semester.
- The Cumulative Grade Point Average (CGPA) indicates the cumulative academic performance of a student in all the courses taken including those taken in the previous semesters. It is computed in the same manner as SGPA.
- Whenever, a student is permitted to repeat or substitute a course, the new letter grade replaces the old letter grade in the computation of SGPA/CGPA, but old grades appear in her/his Grade Report.
- A copy of the Grade Report is issued to each student at the end of the semester. A duplicate copy, if required, can be obtained on payment of the prescribed fee.
- The grades of a student may be withheld if she/he has not paid her/his dues, or if there is a case of indiscipline pending against her/him, or for any other reason.
- Inadequate Academic Performance.

Academic Deficiency

- The academic performance of each undergraduate student is reviewed by the competent authority at the end of a regular semester (not summer semester) and is considered inadequate if her/his SGPA = 4.5 or CGPA = 5.0. Such a student is termed academically deficient. Depending on the degree of inadequacy, a deficient student may be placed on warning or academic probation, or his/her academic programme may be terminated.

B.Tech (CSE) / IPG Programme:

- If the candidate is getting below 5.0 CGPA (in a minimum of 2 semesters), he/she may be terminated from the institute.
- If the student is getting SGPA between 4.5 and 5.5 in any of the semester, he/she would be issued a warning and the concerned course coordinator may prescribe the lighter load for the next semester in consultation with the student. However, the total duration of stay of the student should not exceed seven years.
- If the students gets above 6.5 SGPA in any of the subsequent semester, he/she may be allowed to register for some of the courses (maximum 2 courses) in which he/she has failed or he/she has not taken earlier due to lighter load.
- No student will be awarded degree if his/her CGPA is less than 5.0.

MBA & M Tech Programme:

- The minimum requirement to continue in the programme would be 5.5 SGPA. If the student gets below 5.5 SGPA his/her programme will be terminated immediately.
- If the student is getting SGPA between 5.5 and 6.5 in any of the semester, he would be issued a warning and the concerned course coordinator may prescribe the lighter load for next semester in consultation with the student. However, the total duration of stay of the student should not exceed 3 years.
- No student will be awarded degree if his/her CGPA is less than 5.0 on the completion of the program.

Scholarship:

- A student should secure at least 6.5 SGPA in each semester to be eligible for scholarship, if a student gets SGPA below 6.5 in a semester, then his/her scholarship will be withheld. The scholarship will be restored only when he/she secures 6.5 SGPA. However, the scholarship which was withheld for the earlier period because of SGPA less than 6.5 would not be released/paid.
- *The above guidelines are applicable to General and OBC category student. However, for SC / ST students relaxation of 0.5 in Grade Point Average may be given in SGPA*
- *The student will be entitled for the scholarship up to the date of M.Tech Thesis Viva-Voce Examination /24 month whichever is earlier. The PhD Scholar will be entitled for the scholarship up to the date of Thesis submission / 60 month whichever is earlier. In cases of extreme situation where a student is absent for long duration on medical ground, such cases will be dealt on case-to-case basis by the Competent Authority.*

Reduced Academic Load

- A student placed on warning or academic probation shall be permitted a reduced load up to a maximum of two courses, as per the recommendations of the Senate or Director/Faculty In charge. However, the courses for which she/he registers will be decided by the faculty advisor. Efforts shall be made to keep her/his parents/guardian informed of her/his progress.

Refund of Fees

- The fees and other charges deposited by a student seeking enrolment will be refunded, if the student does not join the programme and leaves the Institute by applying for refund normally on or before the date of registration. Refund will be as per the institute rules.

Attendance

- Students of B.Tech(CSE)/IPG/MBA/M.Tech/Ph.D should meet the attendance requirement of the programme/course registered, irrespective of the number of days, he/she is on medical and/or other leave for any reason whatsoever. Continuous absence of a student from the classes for more than four weeks without informing the concerned faculty/course coordinator, will render his/her name to be struck-off the rolls of the Institute. Such cases shall be brought to the notice of the Academic Section/Head of the Academic/Director by the Faculty/Course Coordinator.
- For [IPG(M.Tech) /M.Tech / PhD] scholarship/assistantship, the payment of scholarship/assistantship, subject to his/her fulfilling the attendance/SGPA/CGPA requirements, payment to a student shall be made on the basis of his/her attendance in the courses registered in a semester and his/her fulfilling the requirements of weekly work-hours (as applicable) assigned to him/her.

Leave

- Applications for leave of absence should be addressed to the programme coordinator and submitted to the academic section with a medical certificate, if applicable. Leave usually must not be availed without prior approval of the programme coordinator. In addition, if a student is going out of campus on leave, she/he must inform the Hostel authorities in writing. Failing this the Hostel/Institute authorities may initiate an action as deemed appropriate by them.

Mid-semester Recess and Vacation

- Students are entitled to avail the mid-semester recess and vacations as specified from time to time in the academic calendar, in case if they are not availing any scholarship.

Short Leave

- Leave of absence during the semester shall be discouraged for all registered students. However, for Bonafide reasons, a student may be granted leave of absence during the semester as under:
- Maximum of 15 days – on medical ground **
- Maximum of 7 days – for any valid reason (as approved by competent authority)
- For M.Tech and Ph.D students, there will be 22 sanctioned leave (which has to be sanctioned by the competent authority on the recommendation of faculty coordinator/research supervisor, before going on leave) and 8 Contingency leave for the year [Total 30 days in an academic year]. The medical leaves** will be 8 per semester. The leave beyond 30 days will be without assistantship/Scholarship/Fellowship.

** (Leave on medical ground, duly supported by a medical certificate from Institute Health Centre/ Chief Medical Officer of the Govt. Hospital, may be granted to a student for up to eight days per semester. However, at a stretch, the medical leave shall not exceed 15 days in a year. Such leave shall not entail any loss of financial assistantship. In case the students require more leave as advised by the medical officer he/she shall be asked to withdraw his/her registration for that semester and go on semester leave. Permission to grant leave on medical grounds exceeding 15 days in a semester is at the sole discretion of the competent authorities of the Institute.

Academic leave

Academic leave is permitted on the following grounds.

- To attend conferences /seminars / workshops / trainings /short-term courses. A maximum of 10 days of leave is permissible in a calendar year. A maximum of 20 days of leave in a calendar year is permissible for field trips such as data collection, survey work, etc. The academic leave to be sanctioned by the Competent Authority on the recommendation of the Thesis Supervisor. Academic leave exceeding 20 days but up to a maximum of 30 days in a calendar year is approved by the Competent Authority on recommendation of the Thesis Supervisor. Absence without obtaining prior sanction of leave will be considered as an act of indiscipline and shall entail reduction of scholarship on a pro rata basis, besides any other action that may be decided by the Institute. Any absence over and above the prescribed limit of admissible leave shall entail deduction from the scholarship, besides other actions as may be decided by the Institute.
- *A proper leave account of each research student/ candidate shall be maintained by the Academic Section. Any leave not availed by the student shall not accumulate.*

Maternity leave/Paternity Leave

- A female student of the Institute will be provided maternity leave as per Government of India (GoI) norms. Women scholars are entitled for maternity leave with full fellowship/assistantship as applicable, for a period not exceeding 135 days, only once during the entire programme period. The application for maternity leave should be supported by medical certificate. Male Scholars are entitled for 15 days paternity leave only once during the entire programme period. The application for paternity leave should be supported by medical certificate.

Temporary Withdrawal / Semester Leave

- A student is not normally allowed to withdraw from the academic programme temporarily and is expected to complete her/his studies without any break.
- However, for bonafide reasons and/or in exceptional circumstances, a student may be allowed to withdraw temporarily on leave of absence at the discretion of competent authority for an extended period. Such leave of absence(s) shall ordinarily not exceed two semesters with or without break during the entire period of the academic programme.
- A student who remains on authorized leave of absence due to ill health is required to submit a certificate from a registered medical practitioner (verified by Institute's medical officer) to the effect that she/he is sufficiently cured and is fit to resume her/his studies. A medical leave shall not exceed 15 days in a year. In case the students requires more leave as advised by the medical officer he/she shall be asked to withdraw his/her registration for that semester and may be asked go on semester leave. Permission to grant leave on medical grounds exceeding 15 days in a semester is at the sole discretion of the competent authorities of the Institute. The student will be allowed to register only when the course coordinator / director is fully satisfied of her/his state of health.
- Partial withdrawal from the semester shall not be allowed

Conduct and Discipline

- Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance. The Institute has a separate ordinance Code and Conduct of Students which is applicable to all students of the Institute.
- In addition, unauthorized absence for more than one month leads to disciplinary action, in the form of reduction of assistantship or even termination of studentship.

Disciplinary Action

Disciplinary action will be taken against the students who are found to indulge in any of the following activities:

- Indiscipline and dishonesty in academic matters.
- Computer center and other laboratories of the Institute have formulated rules and regulations for their users. Such rules may also be amended from time to time. Violation of such rules and regulations shall be considered as an act of indiscipline.
- Library of the Institute has formulated rules and regulations for its users. Such rules may also be amended from time to time. Violation of such rules and regulations shall be considered as an act of indiscipline.

Indiscipline and Dishonesty in Non-Academic Matters

Ragging

- Any action which causes fear or any other apprehension thereof in a fresher or a junior student.
- Asking a fresher or a junior student to do any act or perform something which she/he will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect her/his physique or psyche shall be considered by the Institute as acts of ragging and therefore treated as an act of gross indiscipline by the institute. If the individuals directly committing ragging are not clearly identified by the available prima-facie evidence, collective punishment could be resorted.
- Undertaking / Affidavits can be filled ONLINE at : www.amanmovement.org (OR) www.antiragging.in

Objectionable Behavior with other Members of the Campus Community

- Harassment of a student or the Institute staff on the basis of caste, sex, religion, etc.
- A disorderly conduct whether by words spoken or written or by an act with the effect of teasing, treating or handling with rudeness any other campus resident.
- Indulging in rowdy activities which causes or is likely to cause annoyance, hardship or psychological harm to campus resident,
- Threatening with the intent to place the persons in reasonable fear for his/her safety or for the safety of his/her family shall be considered as acts of gross indiscipline by the institute.

Unlawful Conduct in the Campus

- Forgery, alteration, or misuse of any Institute document, record, key, electronic device etc.
- Theft of, conversion of, destruction of, or damage to any property of the Institute.
- Providing false information in deliberate, systematic and planned manner with the purpose of misguiding Institute authorities and personnel shall be considered as acts of indiscipline by the institute

Unauthorized Conduct in Hostels

- Disrespecting the circulars of wardens and other Institute authorities regarding hostel regulations.
- Disrespecting rights, privileges, and sensibilities of other hostellers.
- Inducement of other students including self-consumption of alcohol and other drugs in the hostel.
- Organizing unlawful activities and meetings.

- Screening of unlawful films.
- Keeping unauthorized guests in the rooms and
- Damaging hostel property shall be considered serious offences by the institute.

Indiscipline in Various Activities/Events and other Organizational Matters:

- Disrespect to student bodies such as students senate, coordination committees, etc.
- Misconduct in various clubs and general events,
- Misbehavior with participants coming from other colleges in events organized by the Institute or its clubs,
- Damage of equipment and facilities provided for students' welfare shall be considered as serious offences.

Participation in Events that Cause Disturbance of Peace in the Campus

- Holding of unlawful demonstrations or assembly of students, without trying to settle down issues through discussions in meetings and
- Taking out procession shall be considered as acts of gross indiscipline.

Restitution

- In order to compensate partly or fully for the damages, loss of properties belonging to the Institute or the hostel, a student may be advised to pay a charge towards restitution. In such a case, the committee shall also fix a time limit within which the amount is to be paid by the defaulting student(s).
- Debarring from the students placement cell of the Institute. The placement coordinator may advise the non-registration of a defaulting student from the student's placement cell of the Institute. In such a case, the student shall not be eligible for applying for her/his placement in companies organized by the Institute.

Suspension from the Programme

- The institute may advise the suspension of student status of a defaulter for the specified period of time. The specified period of time shall be the remaining duration of the semester in which the advice is given and may include subsequent semester(s). The student(s) put on suspension shall be required to vacate the hostel within the specified time limit. She/he shall also be debarred from using Institute facilities such as the library, computer center, laboratories, etc. during the period of her/his suspension. The fee paid by the student for the semester in which student status for her/him has been suspended shall not be refunded/ adjusted with the fee to be paid in the next semester in which she/he will be required to register.

Withholding of Degree

- The Institute may also advise for withholding of the degree of a defaulting student for a specified period of time. No provisional certificate, stating that all academic requirements of the programme have been completed by the student, shall be issued to the concerned student(s) during such a period.

Expulsion

- The institute may advise the permanent termination of student status from the Institute.

Degree

- A student is deemed to have completed the requirements for graduation if she/he has
 - i) met the residence and academic requirements,
 - ii) satisfied additional requirements, if any,
 - iii) paid all dues to the Institute and the halls of residence, and
 - iv) no case of indiscipline is pending against her/him.
- A student who completes all the specified graduation requirements is recommended by the senate to the board of governors (BOG) for the award of the appropriate degree in the ensuing convocation. The degree can be awarded only after the BOG accords its approval.
- Under extremely exceptional circumstances, where gross violation of the graduation requirements is detected at a later stage, the senate may recommend to the BoG withdrawal of a degree already awarded.

Amendments

- Notwithstanding anything contained in this manual, ABV-IIIITM Gwalior reserves the right to modify/amend without notice, the curricula, procedures, requirements, and rules pertaining to its programmes. Provisions of this manual may be amended, changed, added at any time by the senate.

Interpretation of Regulations

- In case of any dispute, difference of opinion in interpretation of these regulations or Regulations any other matter not covered in these regulations, the decision of the Chairman, Senate shall be final and binding.

Infrastructure

Laboratories

Various laboratories have been developed in the Institute. These labs are hubs of innovation and creativity. The Institute has more than four hundred Pentium based computers systems from different manufacturers such as Compaq, HP, HCL, Silicon Graphics etc. Various applications packages have been installed on these systems. In additions to these various laboratories have also been developed which cater the needs of physical sciences.

Lab No.	Name of the Laboratory	Room No.
L-1	Data Communication	C-003
L-2	Secured Computing	C-006
L-3	Communication Skills	C-009
L-4	VLSI Design	C-103
L-5	Communication Systems Lab	C-115
L-6	Hardware Lab	C-203
L-7	Digital Logic Design	C-213
L-8	Visual Information Processing Research	D-115
L-9	Advanced Networking Lab	D-203
L-10	Electrical and Electronics (Basic)	E-002
L-11	Engineering Physics Lab	E-003
L-12	Mathematical Modeling and Simulation	E-103
L-13	Computational Nano Science and Technology	E-112
L-14	Sponsored Project Lab	E-203

L-15	Soft Computing & Expert System Lab	E-211
L-16	Enterprise Integration Lab	D-114
L-17	Computational Intelligence and Data Mining Research Lab	D-001
L-18	Linux Lab	A-213
L-19	Multimedia and Information Security Lab	D-002
L-20	Wireless Sensor Network	A-116
L-21	Medical Informatics	D-002
L-22	Advanced VLSI Design	C-211
L-23	Robotics	C-213
L-24	Robotics and Vision	A-203
L-25	Behavioral Economic Experiment and Analytics Lab	D-201
L-26	DST Sponsored Project Lab on Face Recognition	D-114
L-27	Visual Information Processing Lab	D-007
L-28	Thin-client Lab	A-113
L-29	Generic Computing Lab	D-005
L-30	ICT workshop	D-003
L-31	Emerging Computing Lab	LT-2 (102)
L-32	IOT based lab	D-008
L-33	Hardware Development Lab	D-003
L-34	IEEE project lab	F-203
L-35	Speech and Image Processing Lab	F-210
L-36	Machine Learning and Software Development Lab	LT2:102

Lecture Theaters

All the lecture theaters and seminar halls are centrally air conditioned and equipped with LCD projectors, PCs with internet connection and state-of-the-art audio-visual systems.

Library



The Institute library is a learning resource center. The Institute library has a rich collection of books and journals. The Ministry of Human Resource Development (MHRD) has set up the “Indian National Digital Library in Engineering Sciences and Technology” (INDEST) consortium. The Institute subscribes to this consortium which provides student a wide repository of knowledge through journals and industrial database like IEEE, EBSCO, CME, ABI/Inform complete, ACM Digital Library, IEL On line, J Gate Engineering and Technology, Pro Quest Science Journals and Springer Verlag's links. The Institute library is well stocked with the texts and references in the area of Management, IT, Computer Science, Networking, Social Science along with industry related research

paper and project reports. The library has a rich collection of 15,000 references and textbooks on a wide range of topics. The library also subscribes to 200 journals, periodicals and magazines in the area of IT and Management.

a. Books	:- 28000 approx.
b. Print Journals	:- 60+9 (National & International)
c. Number of M.Tech & MBA Theses	:- 1658 approx.
d. Online Resources	:- 18
e. Video Cassettes	:- 164
f. CDs :- Text Book CD's = (1490), Lecture CD's (921) & DVD's (247)	:- 3021
g. Annual Reports	:- 225
h. Magazines	:- 55

List of E-Resources

- 1. ACM Digital Library**
<http://portal.acm.org/portal.cfm>
- 2. The IEEE/IEE Electronic Library (IEL)**
[\(http://ieeexplore.ieee.org/\)](http://ieeexplore.ieee.org/)
- 3. Springer Link**
<http://www.springerlink.com>
- 4. LNCS (Springer)**
<http://www.springerlink.com>
- 5. MathSciNet**
<http://www.ams.org/mathscinet>
- 6. Science Direct:**
<http://www.sciencedirect.com>
- 7. EBSCO's Business Source Premier**
<http://search.epnet.com/>
- 8. Indiastat.com**
<http://www.indiastat.com>
- 9. J-Stor**
<http://www.jstor.com>
- 10. Emerald insight**
<http://www.emeraldinsight.com>
- 11. Sage Publication Collection (Journals)**
<http://online.sagepub.com>
- 12. SCOPUS**
www.scopus.com
- 13. Economic & Political Weekly**
http://www.epw.in/frontpage?0=ip_login_no_cache%3D1d561b6288ded347d725b46f4ce160a1
- 14. Institute for Studies in Industrial Development (ISID) Database**
<http://isid.org.in/home.html>
- 15. JGate Plus (JCCC)**
<http://jgateplus.com/search/>
- 16. Nature**
<http://www.nature.com/index.html>
- 17. Oxford University Press**
<http://www.oxfordjournals.org/en/>
- 18. Web of Science Lease Access**

http://apps.webofknowledge.com/UA_GeneralSearch_input.do?product=UA&search_mode=GeneralSearch&SID=P2WS7Skp2NzwFG3Flot&preferencesSaved=

19. PROLA (Physical Review Online Archive)

<https://journals.aps.org/archive/>

20. Physical Review B

<https://journals.aps.org/prb/>

21. Taylor & Francis e-Books Collection (393 titles)

<http://www.crcnetbase.com/>

22. IEEE-Wiley e-Books collection (480 titles)

<http://ieeexplore.ieee.org/>

23. Springer eBooks Collection (4655 titles)

<http://www.springerlink.com>

24. PROWESS (IP Based)

<https://prowessiq.cmie.com/>

25. Economic Outlook –IP Bases (Formerly Business Beacon & EIS)

<http://economicoutlook.cmie.com/>

26. Industry Outlook (IP Based)

<http://industryoutlook.cmie.com/>

27. TradeDX (IP Based)

<https://tradedx.cmie.com/>

28. Communications of the ACM

<http://cacm.acm.org/>

29. Journal of Interconnection Networks

<http://www.inderscience.com/jhome.php?jcode=ijsi>

30. Evolutionary Computation

<http://www.mitpressjournals.org/loi/evco>

31. EBSCO Discovery Service for ABV-IIITM, Gwalior

<http://eds.a.ebscohost.com/eds/search/basic?vid=0&sid=2b1d95e9-4b44-4cf2-bbad-2c3adff095c0%40sessionmgr4007>

Computational Resources

The institute provides a wide range of computational facilities. Institute computational resources involve a wide range of personal computers and proprietary application software. The Institute computer network provides a wide range of services from electronic mail to electronic interchange of documents.

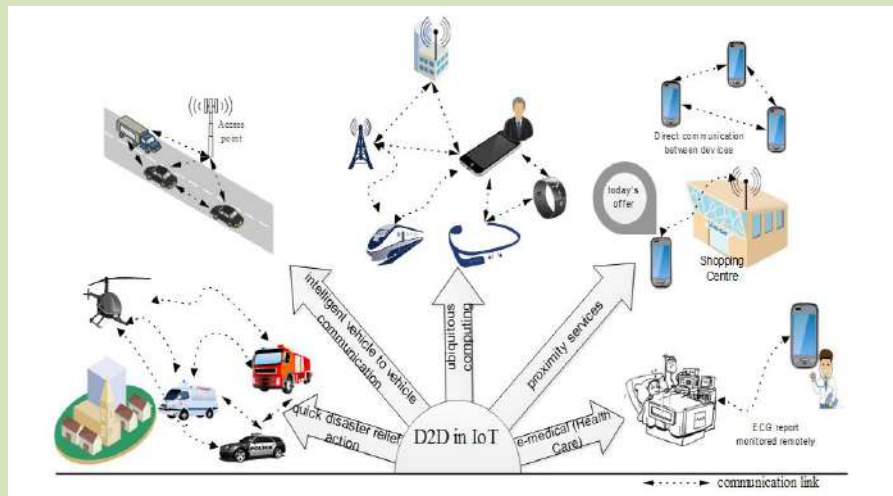
Software and Tools: Indicative List of Licensed Softwares

• Maple 14	• Cadence VLSI Design Software
• MATLAB Ver 7.0	• RHEL Standard Enterprise 4.0
• Primavera P6	• Mathematica 6.0
• AMOS 21.0	• Material Studio
• QUALNET 4.5	• ATK-VIRTUAL NANO LAB Software
• SAS Basic Academic Analysis Suit	• STELLA 9.1.4
• EDA Simulation Tools	• SYSTAT 13 (Sigma Plot 11)
• Solver Suite	

Indicative List of Hardware

• CPLD-XC 9572	• SPARTAN-III XC3S200 TM
• FPGA XC 2S50, TM 5C, SPARTAN-II	• Experimental kits in Microelectronics
• SPARTAN-III FPGA 3S400 TM	

Items	Description
Computers	1000+
Servers	12 (Compaq:5, IBM:2, HP:5)
Printers	100+
Network	LAN / Wi-Fi
Network Speed	NKN 1 GPS 8 Mbps (1:1) with leased line from BSNL





Focused areas of Research

- Image Processing
- Biomedical image analysis
- Biometrics
- Wireless Ad Hoc Networks VLSI Design □
- Grid computing
- Information Security
- Material Modeling and Device Modeling
- Customer Relationship Management
- IT Enabled Marketing
- Wireless Sensor Network
- High Performance Computing
- Chain Management
- E-Business
- Software Project management
- Soft Computing
- Modeling & Simulation in Environmental and
- Engineering Systems
- Nanotechnology
- Quantum computing & Information
- Data Mining
- Evolutionary Computational Algorithms
- Cloud Computing
- IoT
- Green Computing

Permanent Institutional Membership

- World Wide Web Consortium (W3C)
- Indian Society for Training & Development (ISTD), New Delhi
- All India Management Association (AIMA)
- National HRD Network (NHRDN), Agra Chapter
- Association of Indian Management Scholars (AIMS)
- Institution of Communication Engineers and Information Technologists (ICEIT)
- Association of Indian Universities (AIU)
- Confederation of Indian Industry (CII)
- Global Institute of Flexible Systems, New Delhi



List of Ph.Ds Awarded

S.No.	Name of Ph.D. Scholar	Thesis Title
1.	Mr. Saji K Mathew	IT Enabled Performance of PID Loops in Process Control
2.	Ms. Shweta Sharma	Building Trust based Relationship with Electronic Customers
3.	Mr. A K Sharma	Design of a Parallel Crawler Based on Augmented Hypertext Documents
4.	Ms. Aayushi Gupta	New Frame work and Models for the Pre Planning Phase of Project Management
5.	Mr. Ashwani Kumar	Intelligent Decision Support System for Business Forecasting
6.	Mr. R K Gupta	Design of a Parallel Crawler Based on Augmented Hypertext Documents
7.	Mr. Mahim Sagar	Developing an Integrated Framework of Ethical Brand Positioning and Its adaptation in Cross-Cultural Environment
8.	Mr. Durgesh Kumar Agrawal	Strategic Demand Chain Management for Physical Products in the Business Environment
9.	Mr. Sajal Kabiraj	Customer Relationship Management Practices in Indian Retail Banking Strategic Implications
10.	Mr. Nirved Pandey	Design and Development of a New Distributed Computing Tool for Semantic Query Optimization
11.	Mr. Rajesh Kumar Jain	Creation of Intellectual Capital
12.	Mr. Awdhesh Kumar Singh	Expert System Based Decision Support System for E0Governance: An Application to Indian Customs
13.	Mr. S Prabhakaran	Genomic Signal Processing Using Discrete Wavelet Power Spectrum
14.	Mr. Sujit Saha	Strategic Performance Measurement Model for IT Management: A Case of Indian IT and ITES Industries
15.	Ms. Seema N Pandey	Soft Computing Approach for Congestion Management in Restructured Power System Scenario
16.	Mr. Sujoy Bhattacharya	Investigations into Customer Perceived Value for Banking and Insurance Services
17.	Mr. Ratan Kumar Singh	The Impact of Total Quality Management on Business Excellence in Manufacturing in India: An Empirical Study of Manufacturing Industries in the State of Gujrat & Madhya Pradesh
18.	Mr. Anil Kishore Saxena	Rate Optimal Motion Estimation and Compensation in Transform Domain
19.	Mr. Sarabjeet Singh Bedi	Design of Secure Digital Watermarking Schemes for Images
20.	Mr. Azad Srivastava	Profit Based Association Rule Mining for Market Basket Analysis
21.	Mr. Sandeep Srivastava	Developing a Customer Driven Integrative Framework for Successful New Product Development
22.	Mr. Rabindra Kumar Jena	System Level Design Space Exploration of Network on-chip using Genetic Algorithm
23.	Mr. Mritunjay Kumar Rai	Design and Evaluation of Minimum Connected Dominating Set Based Routing Protocols for Mobile Ad hoc Networks
24.	Mr. Harsh Vardhan Samalia	Strategic Perspective of Intellectual Property Rights in Indian Context
25.	Mr. Hergovind Singh	Innovation Based Competitive Strategies for Indian Industry – A Study of Indian Retail Banking

26.	Mr. RajitVidyarthi	Strategic Total Quality Service – A Case of Telecom Sector in India
27.	Mr. J.K. Sharma	Designing Brand Communication Strategy Using Neuro-Physiological Approaches: An Experimental Study in Indian Context
28.	Mr. Hiren Joshi	Requested – QoS Driven Dynamic Low Power Reconfiguration of Mobile Devices
29.	Mr. Manish Kumar Sagar	Strategic Framework of Supplier Relationship Management for Indian Automobile Sector
30.	Mr. Jagdeep Singh	An Empirical Study of Motivation in the Military: A Case of Indian Air Force
31.	Mr. Anand Kishor Chaturvedi	Development of Efficient Heuristic for Scheduling of Heterogeneous Resources in Grid Environment
32.	Mr. Ravi Kumar Singh Pippal	Cryptanalysis, Design and Development of Smart Card Authentication Schemes
33.	Mr. BrajeshVarshney	Design & Development of Medical Decision Support System
34.	Mr. Vipul Gupta	Assessing Lean Performance in Radial Tyre Manufacturing: A Case Based Empirical Study in India
35.	Mr. Vinod Kumar Jain	Location Estimation in Indoor Wireless Networks using Machine Learning and Distributed Approaches
36.	Mr. Dharmveer Singh Rajput	Novel and Robot Methods for Clustering High Dimensional Dataset
37.	Mr. Prateek Vajpayee	Some Novel SuperMOS Structures and Their Applications in Scaled-down CMOS Analog Design
38.	Mr. Arun Kumar	CRM Index Development & Validation: A Cross-Industry Investigation in India
39.	Mr. MatadeenBansal	Cross-Layer Optimization of Wireless Mesh Networks with Advanced Radio Techniques
40.	Mr. Neeraj Kumar Jaiswal	Electronics and Transport Properties of grapheme Nanoribbons Interacting with Transition Metals
41.	Ms. Neha Tyagi	Ab-initio Study of Structural and Electronic Properties of IV and III-V Nanowires/Nanocrystals
42.	Mr. NafisUddin Khan	Anisotropic Diffusion Approaches for Adaptive Image Enhancement and De- noising
43.	Mr. Rekh Ram Janghel	Performance Comparison of Soft Computing Models for Breast Cancer Detection
44.	Mr. Kunwer Singh Jatav	Modelling of Stage-Structured Populations with Time Delays and Impulsive Changes: Control and Conservation Strategy
45.	Mr. Sujit Kumar Senapti	Project Management Issues for Enterprise Resource Planning Implementation
46.	Mr. Harish Sharma	Design and Applications of Nature Inspired Algorithms
47.	Mr. MukeshSaraswat	Design and Development of a pattern Recognition System for Quantitative Analysis of Histopathological Images
48.	Mr. Neeraj Shrivastava	Performance Study of Multifunctional MIMO-OFDM System
49.	Mr. Govind Prasad Sahu	Study of Infectious Disease Dynamics with Vaccination-Quarantine-Isolation and Media Awareness as Control Strategies
50.	Ms. Anshika Pal	Networked Multi-Robot System for Exploration of Unstructured Environments
51.	Mr. Prashant Singh Rana	A Qualitative Study of Modelled Protein Structure using Physicochemical Properties and Machine Learning Approaches
52.	Mr. Sandeep Kumar Jain	Electronic and Optical Properties of Doped Single Walled Boron Nanotubes
53.	Mr. Lokesh Chouhan	Design and Analysis of MAC Layer Protocols for Cognitive Radio Networks
54.	Ms D. ShakinaDeiv	Design and Development of Speaker Adaptation for Automatic Speech Recognition
55.	Mr. Bhoopendra Pachauri	Modeling and Analysis of Software Reliability Growth Behavior and Optimal Release Policy using Soft-Computing Techniques

56.	Ms. Preeti Flora	An Analytical Perspective of Economic Development and Foreign Direct Investment for Indian Economy
57.	Mr. Anil Kumar	Prioritization and Modelling of Consumer Decision Making in Digital Market Based on Fuzzy Approach
58.	Ms. SwetaPrashar	Transport Properties of Asymmetric Biphenyl Molecular Devices with Different Electrodes
59.	Mr. Vijay Kumar Sharma	Low Leakage Variability Aware Techniques for CMOS Logic Circuits
60.	Ms. AnujaAgarwal	Partner Relationship Management Framework for Indian Automobile Sector
61.	Ms. Kusum Kumari Bharti	Improving Text Clustering Using Semantically Enhanced Discriminative Features and Nature-Inspired Methods
62.	Mr. Sanjeev Sharma	Multi Robot Path Planning and Area Exploration Using Nature Inspired Algorithm
63.	Mr. NandakishorYadav	Nanoscale Design Techniques for Process Variation Aware SRAM
64.	Mr. Kamal Kishore Jha	Tunnel FET Based Topologies for Low Power Digital and Analog Circuits
65.	Mr C.P Kapse	An Investigation of Entrepreneurial Inclination Among Textile Engineering Students: A Study Based on Multi-Criteria Decision Approach
66.	Mr.Rohit Kumar Singh	Influence of Flexibility on Supply Chain Performance: A Case Based Empirical Study in India Soap Manufacturing Firm
67.	Mr. Shimpi Singh Jadon	Enhanced Artificial Bee Colony Algorithms and their Applications
68.	Mr. Anshul Verma	Design and Analysis of Deployable Multi-agent Communication Based Train Control System for Indian Railways
69.	Mr. Jay Prakash	Data Clustering Using Nature-inspired Algorithms: A Single and Multi-objective Perspective
70.	Mr B.Athiyaman	Development and Validation of Structured Model for Rainfall Prediction: A Case of Indian Sub-Continent
71.	Mr. Manish Kashyap	Medical Image Registration by Locating Reliable Landmarks and Constructing Robust Region Descriptors
72.	Mr. Bharat Garg	Energy Efficient Accuracy Aware VLSI Architectures for Image Processing Applications using Approximate Computing
73.	Ms.NishaChaurasia	Issues in energy Aware Server Consolidation schemes in cloud computing
74.	Ms.Sadhna Mishra	Performance Study of Cooperative Communication Techniques for Cognitive Radio
75.	Ms.VikasMahor	Variation Tolerant Robust Domino Circuits for FinFET Processors
76.	Mr. NepathalinPrabhu	Anti-Nuclear Energy Movement in India: An Exploratory Study of Establishment of Civil Nuclear Power in Koodankulam India
77.	Mr. Mukesh Mishra	Performance Study of Spectral and Energy Efficient Heterogeneous Cellular Networks
78.	Mr. Sourabh Bharti	Towards Quality of Service Provisioning in Internet of Things Sensory Environment
79.	Ms. Rucchi Gupta	Mandatory Corporate Social Responsibility: An Empirical Analysis of Financial performance of Listed Indian Firms
80.	Ms. Rashmi Kushwah	Optimization Techniques for Gateway Selection in Integration of Mobile Ad Hoc Network and Wired Network
81.	Ms. Rashmi Choudhary	Issues in Energy Consumption in Mobile Ad hoc Networks
82.	Ms. Monica Chauhan Bhadoriya	E-HRM and Employee Engagement: A Relationship Study in Indian IT Industry
83.	Mr. Chandra Sekhar	An Empirical Investigation of Human Resource Dimensions and Firm Performance: Role of Mediators in Service Industries
84.	Mr. Shyam Singh Rajput	Hallucination Algorithms for Low-resolution Images and Their Application in Face Recognition
85.	Mr. Boddepalli Santhi Bhushan	Aromatic Material for Supercapacitor Electrodes and Single Electron Devices

86.	Mr. Apoorva Mishra	Development and Analysis of Novel Crossover Operators for Genetic Algorithms
87.	Mr. Vijay Kumar Bohat	Some Nature-Inspired Algorithms for Image Processing Applications
88.	Ms. Neha Agrawal	Defense Schemes for the Low-rate Distributed Denial of Service (LDDoS) Attacks in Cloud Environment
89.	Ms. Shefali Srivastava	Exploring Patient-Centricity in the Healthcare Service Delivery
90.	Mr. Suresh Chandra Raikwar	Quality Improvement and Analysis of single Image Dehazing
91.	Mr. Yadunath Pathak	Efficient Methods for Low-Dose Computed Tomography Image Reconstruction

Indicative List of Journals where faculty have published

- Pattern Recognition Letters (Elsevier)
- Journal Nonlinear analysis: Real world applications (Elsevier)
- Applied Mathematical Modeling (Elsevier)
- Bioorganic & Medicinal Chemistry Letters (Elsevier)
- Journal of Electronics and Computer Science (USA)
- Journal of Computational and Theoretical Nanoscience (USA)
- Lecture Notes in Computer Science (Springer Verlag)
- International Journal on Wireless Personal Communications (Springer-Verlag)
- International Journal of Data Mining and Knowledge Discovery (Springer-Verlag)
- International Journal of Systems & Cybernetics, (MCB publications UK)
- International Journal of Industrial and Systems Engineering (Inderscience, UK)
- International Journal of Technology Management (Inderscience, UK)
- Journal of Interconnection Networks (World Scientific)
- International Journal of Computers and Applications (ACTA Press Canada)
- Internal Journal of Information Management & Computer Society, Emerald
- International Journal of Electronic Customer Relationship Management (InderscienceUK)
- International Journal of Business and Globalisation (Inderscience, UK)
- Journal of American Academy of Business, Cambridge
- Indian Journal of Pure Applied Physics
- IETE Technical Review
- IETE Journal of Research
- J of Biomedical Science and Engineering, Scientific Research Publishing, Inc, USA
- International J of Medical Engineering & Informatics, Inderscience, USA
- Intl. J of Bioinformatics Research & Applications, Inderscience, USA.
- Applied Soft Computing (Elsevier)
- Neural Computing and Applications (Springer).
- Engineering Applications of Artificial Intelligence (Elsevier)
- Mathematics and Computers in Simulation (Elsevier).
- Differential Equations and Dynamical Systems (Springer).
- Journal of Mathematical Analysis and Applications (Elsevier).
- Communications in Nonlinear Science and Numerical Simulations (Elsevier).
- Communications in Nonlinear Science and Numerical Simulations (Elsevier).
- Ad hoc Network Journal(Elsevier).
- The Journal of System Software, (Elsevier).
- Expert Systems with Applications(Elsevier).
- Journal of Computers & Electrical Engineering, (Elsevier).
- IEEE Transaction on Consumer Electronics.
- Journal of Computing (Springer).

- Engineering with Computers (Springer).
- Soft Computing (Springer).
- Future Generation Computer Systems (Elsevier).
- IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems.
- IET Electronics Letters.
- IEEE Access Journal.
- IEEE Access Journal.
- Journal on Applied Mathematics and Computations (Elsevier).
- Journal on Advances in Engineering Software (Elsevier).
- IEEE VLSI Circuits & Systems Letters.
- Microelectronics Engineering (Elsevier).
- IEEE Transactions on Nanotechnology.
- IEEE Transactions on Device and Materials Reliability.
- Journal of Computational Electronics (Springer).
- IEEE Transactions on Electron Devices.
- IEEE Electron Device Letter.

Student Events



Event	Description	Normally Organized during
Mind Over Matter	Technical festival	Jan
Twarn	Inter-IIT sports festival	Jan
Alumni Meet	Get together of Alumni	August
Urja	Intra-hostel sport festival	Sep/Oct
Infotsav	Technical festival	Oct
HR Summit	HR event	Oct/Nov

Other

SF-FOSS: Students' Forum for Free/Open Source Software and SUN Campus Club	AASF: Abhigyanam Abhikaushalam Students' Forum
Activities under SPIC MACAY	Parichay (August) Event to showcase talent of fresher

Industry/Institute interface

The Institute promotes active collaboration with the industry. The students are required to undertake industry oriented projects during advanced stage of the programme. This provides exposure to real life industrial problems

in the working environments of organizations and demonstrates various aspects of testing, quality and commissioning etc.

Technology Innovation and Incubation Centre

Technology Innovation and Incubation Centre (TIIC) is an important unit of the Institute and is dedicated towards IT enabled product development and services. The idea behind the TIIC is to inculcate entrepreneurship among the students, and providing them a platform to work independently or work in partnership mode.

TIIC has mentored many successful ventures.

Startup/Incubatees of TIIC since 2011

Sr. No.	Company/Product	Incubatee	Year of Incubation
1	Mech-Mocha Game Studio	Mr. Mohit Rangraju and Ms. Arpita Kapoor	2011-2015
2	Decent Solutions	Mr. Ronak Dhoot	2011-2016
3	Spartan Elite Consulting	Mr. Shahshant Sukumaran Mr. Nishant Kohle	2011-2015
4	Pumpkinpot.com	Mr. Anurag Agarwal	2012-2016
5	Head Gesture Controlled Wheel Chair	Dr. K. K. Pattanaik	2013-2017
6	Companion Device for Interactive Classroom	Dr. Wilfred Godfrey	2013-2017
7	TAPIT Technologies Pvt Ltd.	Mr. Pratyush Halen	2016-1017
8	Online KisanMandiPvt Ltd	Ms. Reena Sitoke	2016-2017
9	Oye Order E-Commerce Pvt Ltd	Mr. Ashish Yadav	2016-
10	Soil Health Monitoring Device	Dr. Vinay Singh	2016-
11	Vegcart.com	Mr. Praveen Prajapati	2016
12	I3 Technologies Pvt Ltd	Mr. Suyash Singh	2017
13	Sqr factor India Pvt Ltd.	Mr. Agnim Gupta and Mr. Malay	2017
14	KriscoAgrotech India Pvt Ltd.	Mr. Jai Singh Narwaria	2017
15	NainpurHydroenergy Pvt. Ltd.	Mr. Shiv Thajur	2017
16	Foodzamo	Mr. Manish Bhargava	2017
17	JigyasaEdutech	Mr. Upendra Sachan	2017
18	Abhinav Soft	Mr. Abhinav Gupta	2018
19	Swissco Techno Inc	Mr. Falit Goyal	2018

Start-Up centre

The institute is also promoting start up culture. The following units are mentored under this scheme.

S. No.	Name of the Start-Up Unit	Students' Name
1	Shaastra Automation LLP	Prajval Gupta & Rohit Singhal
2	Grenovators Motor Work Private Limited	Suyash Singh, Sandeep Kumar Das and Purnendu Sinha
3	ReadRushCreatives Pvt. Limited	Mizanullah & Upendra Sachan

Students Life at Campus

- The essence of student life and activities on the campus is to provide an invigorating and creative environment which promotes independent thinking and introspection. The young students thus become aware of their latent talents. Excellent facilities for sports, games, recreation, shopping etc. are available to resident students. These are complimented by special interest groups and other clubs managed by students themselves. Single occupancy hostel accommodation is available for all students. Hostels are self-contained with amenities such as reading rooms, indoor games, table tennis, badminton, internet connection, a lounge and a dining hall with messing arrangements.



- Opportunities are provided for students to participate in recreational and creative activities. Students interested in activities like music, drama, in-door games etc. can join the relevant club available in the institute. Facilities are also available for out-door games like cricket, football and volleyball.
- A number of inter and intra college fests are organized to encourage interaction amongst students. Various cultural and sports events are organized on an annual basis, thus giving an opportunity to put up the theoretical concept into practice.
- IIITM encourages the students to develop all facets of their personalities. Being a residential college, students spend a major share of their time, being with other co-students, and in the process develop the spirit of teamwork. Apart from academics, students participate extensively in cultural and sports activities. A variety of clubs cater to different interest and keep the students busy throughout.

Hostel Accommodation

- ABV-IIITM Gwalior is a residential Institute and requires that all the students stay in the campus throughout their tenure. A single bed hostel accommodation is provided to all the students. Presently Institute have three hostels for boys and one for girls and these hostels are equipped with all the basic amenities like mess, computer network, reading room, games etc. Telephone facility is also available in all the hostels. A well-equipped gymnasium is also available in the hostel.

Guest House / MDP:

Accommodation for the guests of the student will be arranged on first cum first basis subject to the availability in the Visitors Hostel on payment basis as per institute rates.

Cultural Activities

A number of festivals (inter and intra college) are organized by students to encourage interaction amongst students.

- **Aurora:** The annual Cultural Festival of IIITM celebrates the spirit of team work and excellence and provides a platform to showcase the students' talents. The festival attracts the participation from many reputed institutions in the country.
- **Infotsav:** The annual technology and management festival of the Institute. This is sponsored various industrial houses and attracts participation from various national level Institutes.
- **Abhigyan:** The national level paper presentation contest held by the IETE (Institute of Electrical and Telecommunication Engineers) student's forum. This event witness participations from various engineering and management institutes across India.

Participation in Activities

Students of the Institute very actively participate in competitions organized at national as well as international levels and have earned laurels for the Institute.

Sports -Indoor & Outdoor Games

Various indoor as well as outdoor sports facilities are available at the campus. These include facilities for sports such as: Cricket, Football, Volleyball, Table-tennis, Lawn Tennis, Badminton etc.

Students' Societies

Forum for Free Open Source Software: The Institute strongly advocates and promotes the use and development of Free Open Source Software (FOSS) based products. In association with National Resource Centre for FOSS (NRC-FOSS) and Sun Microsystems, the Institute runs Students' Forum for (SF-FOSS) with the aim of spreading knowledge unrestrained. Objectives of the forum include: development of the society through modern open sourcing tools, provide open sourcing solutions to the current needs, provide a platform for the intellectual and technical development of students and spread the awareness and developments of open-source, reaching far and wide.

hIQ: Every dream has a small beginning and we believe that to grow in a shrinking world one needs to innovate and with this very purpose just another step towards the fulfillment of our dreams has been taken. This is a platform to serve thought for food, and to encourage innovation. hIQ is the knowledge band of IITM; a place where students come together to share the best in them. It is a network to distribute knowledge. Students and theorists from different areas share their knowledge through classroom lectures and intense interactive sessions, interspersed with rounds of quizzes. It was initiated by a small group of MBA students on 23rd Feb'2001 and has been a big success in the IITM community.

Regulation on Ragging

The Regulation

In view of the directions of the Honorable Supreme Court of India vide writ petition 656/1998 and in the matter of “University of Kerala v/s. Council, Principals, Colleges and others” in SLP no.24295 of 2006 dated 16-05-2007 and that dated 08-05-2009 in Civil Appeal number 887 of 2009 ragging is strictly prohibited at ABV-IITM Gwalior.

What Constitutes Ragging

Ragging constitutes one or more of the following acts:

- a) Any conduct by any student or students whether by words spoken or written or by an act which has effect of teasing, treating or handling with rudeness a fresher or any other student;
- b) Indulging in rowdy or indiscipline activities by any student or students which cause or is likely to cause

annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student,

- c) Asking any student to do any act which such student will not in ordinary course do and which has the effect of causing or generating a sense of shame, or torment, or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- e) Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students; Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- f) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- g) Any act or abuse by spoken words, email, post, public insults which would also include deriving, perverted, pleasure, vicarious or sadistic thrill from activity or passively participating in the discomfiture to fresher or any other student;
- h) Any act that affects the mental health and self-confidence of a fresher or any other student.
- i) With or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

Administrative Action in the Event of Ragging

The anti-ragging committee may, depending on the nature and gravity of the guilt established by the anti-ragging squad, award, to those found guilty, one or more of the following punishments, namely;

- Suspension from attending classes and academic privileges.
- Withholding/withdrawing scholarship/fellowship and other benefits.
- Debarring from appearing in any test/examination or other evaluation process.
- Withholding results.
- Debarring from representing the Institution in any regional, national or internal meet, tournament, youth festival, etc.
- Cancellation of admission.

- Rustication from the Institution for period ranging from one to four semesters.
- Expulsion from the Institution and consequent debarring from admission to any other Institution for a specified period.
- Ragging not identified, the Institute shall resort to collective punishment.

Ombudsman

Institute has “Ombudsman” for looking the various academic grievances of student committee. The Ombudsman will be looking after the following:

- Inconsistencies in evaluation / award of grade by a teacher in a course / projects / dissertations /□ seminars.
- Lack of transparency in the evaluation process.
- Irregularity/ improper conduct of class (es) and/or examination(s).
- Denial of access to Institute facilities.
- Any other academic grievance(s) like academic/medical leave count of students, not showing answer sheets of minor/major test, non-conduction of test(s), gender bias, guidance in major project / self-study etc.

Alumni Association

ABV-IIITM Gwalior alumni association has been active over the last few years. Activities have included an alumni day celebration at ABV-IIITM Gwalior, and establishment of local chapters of ABV-IIITM Gwalior at select cities across India. The alumni association offers alumni the chance to keep up with the happenings at ABV-IIITM Gwalior and interact in more than one way, such as

- Technical collaboration in projects
- Professional network
- Academic collaboration
- Recruitment of ABV-IIITM graduates

SAC-LOGO:

As Great works are simply the works of unified effort. The logo of SAC is made by taking inspiration from power of togetherness. Same can be seen in our logo which depicts human figures holding hands.

Each color represents the vibrant and enthusiastic nature of students of ABV-IIITM. With "Together we win" as the motto SAC we proudly adopt this.

Student Activity Council

The student's activity council, ABV-IIITM, Gwalior started functioning since 2012-13 session. The most prominent role of the Student's Council, is its endeavor to ensure student satisfaction and academic progress in the institute, without which no educational institute can progress. It acts as the representative body of the student community to bring forth duly the requirements of the student to the authorities. A Students' Activity Council is responsible for the general welfare of the student community in IIITM, Gwalior. It would in turn organize various activities, like technical, managerial, cultural, sports, professional etc. for the overall development and academic excellence of students. We consider the Students as the life and blood of any educational organization, who forms the vast majority of the campus residents and the success of any institution depends, to a large extent, on the proper administration of the requirement of this community. The students in turn have the bounded duty to acquire the knowledge and skills as laid out in the curriculum to become social, productive, honest citizen of this country and internationally acceptable. The students' council, popularly called "Student's Activity Council" is the voice of the student community for their betterment. It acts as the bridge between the students and the administrations of the institution. It also provides a platform for the students to tone up their leadership and communication skills. It shall conduct in a civilized manner honoring dignity and freedom of all who would associate with it. Based on the spirit of mutual co-operation among the various sections of the campus community:

- We promote unity in diversity, tolerance and equality in the spirit of "Botho".
- Serve as precursor of transformation based on students interests.
- Provide effective and coherent student leadership.
- Ensure that students are not discriminated on the basis of gender, ethnic or political inclination i.e. all students are treated equally.
- Strive for betterment of student's life on campus.



- Promote student involvement in community and social development activities.
- To cooperate in making the educational system more responsive to the advice of the youth in order to meet the challenge of the times.
- To undertake any such activity, that would be deemed beneficial for enriching the overall life of the students.
- To groom student personality so as to make them responsible citizens dedicated to the development of the nation as a whole.



Annexure A: Rules for Library Use

1. The library is meant for the use of bonafide students of various programmes and faculty members of the institute.
2. The timings of the library are as follows:

Monday to Friday: 09:00 AM to 06:00 PM

Saturday: 10:00 AM to 06:00 PM

However, under urgent, abnormal or unforeseen circumstances, the library or any of its sections may be opened/closed later/earlier than the scheduled hours at the discretion of Library Committee/Librarian.

3. Issue of books, periodicals, etc. will ordinarily commence quarter an hour after the scheduled time of opening and be stopped half an hour before the scheduled time of closing of the library. Therefore, library books, periodicals, etc. meant to be returned to the library are to be presented at the counter for the purpose at least 30 minutes earlier than the scheduled time of closing of the library.
4. Readers' or borrowers' cards or other identity records are to be shown to the security guard, if demanded, at the time of entering into the library or whenever asked for in the library.
5. Undesirable or unauthorized persons shall have no access to the library, and if found in the library, they shall be liable to expulsion from the library by the Librarian.
6. While in the library, all persons shall observe all basic and elementary principles of library ethics, obey the rules and procedures of the library, and submit to discipline enforced by the Library Committee/Librarian.
7. Conversation, talking, sleeping, smoking, and loitering is not allowed in the library premises.
8. Use of mobile phones is not allowed in the library premises.
9. No member shall bring any non-member into the library.
10. Anyone detected to be acting in contravention to the above three rules, i.e., sections 7, 8, and 9, shall be liable to be deprived of the library privileges (services) temporarily or permanently.
11. No reader who has been thus excluded from the privileges of the library shall be allowed to use the reading rooms or to borrow books unless such person is reinstated by the Library Committee.
12. At the time of entering the library all personal belongings, such as attaché cases, briefcases, satchels, bags, umbrellas, etc., books not belonging to the Institute library and books though borrowed from the library but not meant to be returned to the library, shall be deposited at the property counter at the entrance to the library.

Note: Though for the period of deposit all possible care will be taken for the safe custody of the article or articles deposited, the administration does not accept any responsibility for any damage or loss of the same. It is advisable not to bring valuable things to the library and deposit them at the property counter.

13. Every member of the library shall be responsible for the safe custody of any library book borrowed by him for study in the library reading room or use at home.
14. Library books issued for use in the reading room shall not be taken out of the section without prior permission of the Librarian.
15. Library books shall never be left unattended on the table in the hall. The borrower shall be held responsible for loss, mutilation or damage, if any, while the book stands issued on his account.
16. At the time of borrowing a book either for use in the library reading room or for use at home, every borrower is expected to examine it carefully and bring to the notice of the person-in-charge of the issue counter, cases of mutilation, defacement or damage, if any, immediately: otherwise if any mutilation, defacement or damage be detected subsequently, the person to whom the book was issued last will be held responsible for such damage, defacement or mutilation.
17. Persons held responsible for loss, damage, defacement or mutilation of books shall be liable to compensate the library in such way as may be determined by the Library Committee.

18. In case of mutilation, damage, defacement or loss of library books, the Librarian may, pending the final decision of the Library Committee, wholly or partially suspend the library privileges allowable to a person who is held responsible or is suspected to be responsible for the offense.
19. Ordinarily, not more than three books at a time will be allowed to be retained by a borrower and such books are to be returned in good conditions on or before the due date.
20. Subject to the terms and conditions that may further be determined by the Library Committee from time to time, facilities of borrowing books from the Institute library may be extended to the following categories of persons for their own use under terms and conditions shown against each provided they have duly enrolled themselves as members of the Institute library by filling up the prescribed form: a) temporary employees, b) retired faculty/staff members, and c) alumni of the Institute.
21. If books borrowed by persons mentioned in section 20 above is not returned in spite of reminders, the matter shall be reported to the Library Committee for such action as may be considered necessary.
22. No books shall be issued and delivered to any person other than a duly registered borrower in person or someone having on each occasion a written authority from him to receive a book or books on behalf of such registered borrower.
23. Books on loan with members of the library under any category can be recalled by the Library Committee/Librarian at any time.
24. Certain categories of publications such as reference books, rare books, periodicals, reports, etc. are considered as special collections and are generally not lent out, i.e., not issued out of the library.
25. Library cards are not transferable.
26. On the first occasion of the loss of the library card, a duplicate library card may be issued on payment of Rs.200/- (Two hundred only). On the second occasion of the loss of the library card, the duplicate library card for students and research scholars, at the discretion of the Librarian, is issued on payment of Rs.400/- (Four Hundred). After that, no duplicate card shall be issued.
27. At the request of other research institutes, educational institutions, well-known and well-established libraries/organizations, and government or semi-government offices, books, publications and other materials belonging to the institute library may be issued on inter-library loan system by the Librarian.
28. If a depositor does not claim a refund of his library deposit money within three years from the date of possession of his membership of the library, the deposit money will be forfeited.
29. The library rules framed hereinabove may, from time to time, be changed, altered, and amended, or new rules may be added by the Library Committee, and that will be effective and binding to all concerned when the relevant proceedings of the Library Committee are approved by the Senate.



Rules & Regulation for Lending Books from Book Bank

This is to inform all the students of ABV-IIITM, Gwalior that the library's book bank will issue/return books observing following rules and regulations:

1. The books are issued for the entire semester. The candidates are asked to apply within a specified window of dates. The forms are available with the library.
2. In this scheme, maximum six books (depending on the availability) belonging to the subjects of the current semester may be issued to the students for one semester, and students are required to return the books within a week from the date of last major examination of the semester.
3. The books shall be given to the needy students (combined annual income of parents must not exceed Rs. 08.00 lakhs) based on the availability. Therefore, students are required to submit a certified copy of the annual income certificate of their parents for the current financial year. However, in case of any doubt, the Library Committee may ask for the income certificate of previous years also. The income certificate is valid only for one year.
4. The annual income certificate should be stamped and signed by both the parent and the student as follows:
"To the best of our knowledge and belief, the annual income certificate(s) is(are) true to the actual.
In case of any divergence, we shall be liable to be prosecuted under the relevant sections of the law".
5. Depending on the availability of the books, priority will be given to the students having lower family income.
6. All the students who avail this facility must ensure timely return of the entire set of books provided to them within a week from the date of last major examination of the semester (An exact date is notified by Academic Section). Failing return by the due date, a sum of Rs.100/- per day (for all books irrespective of the number of books one has taken) will be collected as fine.
7. If any student availing this facility loses/damages/disfigures a book, (s)he shall replace it with a new book (or pay two times the cost of the book if it book is not available in the market).
8. Students are required to ensure discipline and cooperation for the smooth functioning of this facility and make effective use of these valuable books.



Annexure B: Rules for Guidance of Boarders in the Hostels

Admission

1. Boys' Hostels- Aravali, Nilgiri and Kumaon (BH-1, BH-2 and BH-3) and Girls Hostel –Gangotri (GH) are reserved for B.Tech/ IPG/M Tech/ MBA and full time Ph D Students of ABV– IIITM, Gwalior.
2. Admission to the hostels will be made on recommendation of the committees constituted for the purpose by the Director, ABV - IIITM, Gwalior.
3. Application for admission must be made on a prescribed form available from academic section ABV- IIITM, Gwalior.
4. **Admission in a hostel is for one academic session only.** On the expiry of this session a student ceases to be a boarder of the hostel in which he / she resided.
5. The allotment of rooms, seats and directions as to the use of lavatory, bathing places, kitchen, store – room, roof, etc. will be entirely at the discretion of warden / In-Charge of the hostel.
6. Every boarder is to clear in advance the room rent and other charges payable to ABV - IIITM, Gwalior before the date of registration. Failure to do so will result in treating his/her room as vacant and his / her name will be removed from the rolls of the hostel all from the beginning of the next semester.

Withdrawal

1. A student once admitted as boarder must pay in advance the charge (for 12 months) at the time of admission.
2. **Explanation** - if a boarder desires to leave a hostel any time after admission, he/she have to pay for the seat and other charges payable to the ABV - IIITM, Gwalior for the remaining days of the month.
3. In order to withdraw from a hostel a boarder must give the superintendent at least 1 month's notice in writing.

Fees

The boarders on admission will have to pay the under the following heads. (Information about the actual charges can be obtained from the concerned section and subject to revision from time to time).

- i) Admission fee
- ii) Seat rent for the session, and
- iii) Miscellaneous charges

Boarders, on admission, will also have to pay one – time refundable caution deposit which may be refundable to the boarder at the end of the boarder-ship tenure subject to fulfillment of certain conditions.

Delay fine: Student, who fails to take re-admission as boarders within the specified date, will have to pay a delay fine.

Clearance Certificate: Boarders must produce clearance certificates from the hostel warden in respect of payment of seat rent, electricity charge, messing and other charge at the time of submitting fees and also before admit cards for the examination are issued. Hostel dues and NOC must be cleared before leaving the hostel. They should handover the hostel key with physical verification of room assets to the superintendents.

Discipline

1. Every hostel will be in charge of a warden duly assisted by superintendent. The superintendent will be responsible for the proper management of the hostel and for ensuring observance of the rules of discipline.
2. Without the permission of the superintendent, which shall be recorded in a book kept for the purpose, no student shall absent himself/herself from the hostel between 12 night and 6 AM. If a boarder stays outside the hostel during night time between 12:00 AM to 6:00 AM without the previous written permission of the superintendent, he/she is liable to removal from the hostel.
3. Inmates of hostel are expected to be in the hostel before 10:30 PM. late comers should enter their name and time in the register available with the security personnel.
4. A student going out-of-station must inform in writing to the warden and shall take necessary permission for the same.
5. The students should follow the instructions from the hostel authorities and security personnel.
6. The inmates are expected to behave politely with fellow students, institute staff and hostel authorities and to show utmost decency in all their activities.
7. No student residing in the hostel shall engage himself/herself in undesirable activities such as ragging and forming groups in the name of language/religion/state which disturb the peaceful atmosphere of the hostel.
8. Members are not permitted to convene meeting of any sort anywhere in the hostel or its premises without the warden's permission. No circular/ subscription list shall be taken round without the permission/ authorization of the warden.
9. No student shall give a party of entertainment in the hostel without the prior permission of the Warden. A boarder should not rebuke or chastise a security guard, a cook, a servant or any other employee of the hostel. However Birthday Parties may be celebrated in common Room (TV Room) with prior permission of the respective Warden/Superintendent.
10. No boarder shall employ a guard/cook/attendant for his/ her personal business.
11. The common room of the hostel will be kept open usually between the period from 8:30 AM to 10 AM and 4 PM to 11 PM every day unless otherwise decided by the Warden /Superintendent for special reasons.
12. Smoking, consumption of alcohol, drug consumption and intoxication by any other means are strictly prohibited in the hostel. If found, he/she will be penalized and rusticated from the hostel.
13. Shouting, reading aloud, using high music sound and other similar acts, which are likely to disturb other residents, should not be done at any time, else they will be liable to be fined @ Rs. 1000/- .
14. The inmates should keep their rooms neat and tidy. They should make the room available for periodic inspections by the concerned authorities.
15. Cooking inside the room is strictly prohibited. If found, he/she will be rusticated from the hostel.
16. Boarders should not keep valuable and costly items in their rooms. They shall take due care of their belongings and deposit money in bank.
17. Boarders are required to make their rooms available for repair, maintenance, and for inspection by warden whenever necessary.
18. Uses of unauthorized electrical appliances are strictly prohibited within the hostel rooms. However, for electrical appliances more than 500 watt, the boarders have to take prior permission from the concerned warden and pay the electricity charges as decided by the institute.
19. Each boarder should check the furniture and electrical fittings in writing which are returnable at the time of vacating the room.
20. The boarders are responsible for maintaining the hostel equipment issued to them and returning them in good condition when they leave the hostel. The student will have to pay for any loss or damage. No student is allowed to remove any equipment from the hostel.
21. In case of sickness, boarders consult institute doctor, or inform hostel warden in the case of emergency.
22. The students are encouraged to discuss their problems with their superintendents, warden and chief-warden.

23. Dining in the hostel mess is compulsory for all boarders. Individual cooking or taking meals outside is not permitted. Such students will be fined @ Rs.1000/- per day.
24. The hours of meals will ordinarily be:-
 - i. **Break fast** **7.30 A.M. to 9.00 A.M.**
 - ii. **Lunch** **12.00 P.M. to 2 P.M.**
 - iii. **Tea** **5.00 P.M. to 6:00 P.M**
 - iv. **Dinner** **7.30 P.M. to 9.00 P.M.**

These are subject to changes with the consent of the warden.

25. Under no circumstances, members are allowed to take cups, saucers, tumblers and other utensils of the hostel mess to their rooms/lawns outside.
26. Students are expected to maintain perfect discipline and order in the dining halls during dining hours. They are normally not allowed to enter the kitchen and help themselves.
27. If the dues are not paid before the end of the month during which they fall due, the defaulting students will not be allowed to dine from the messes (hostel dues include mess charges, room rent, electricity charges, water charges etc.). If the dues remain unpaid for a long period, such students will be expelled from the hostel and a penalty will be imposed for the delayed period. Students leaving the hostel for vacation should pay up all their dues before their departure.
28. Students are not allowed to keep the two wheeler and Four Wheelers during the stay in the hostel at ABV-IITM Gwalior.
29. The hostel office will intimate the parent/guardian on the hostel dues if the student fails to pay the same in time. However it is the responsibility of the student to clear the dues in time.
30. All students should compulsorily register biometric attendance during in-out of the hostel/institute. Biometric attendance devices are installed at the main gate of hostel/institute.

Expulsion

1. Boarders are liable to be fined by the Warden/Chief Warden for any kind of misconduct; serious offences shall be punishable with expulsion from the hostel by the board of residence.
2. If any boarder is expelled from the hostel for any breach of rules, he/she will be liable to expulsion from the Institute to which he/she belongs.
3. Cases of infringement of rules and disobedience of orders shall be dealt with by the Warden/Chief Warden who is authorized to impose fines in such cases.

Collective Worship

1. No collective worship shall be permitted in any hostel without the special permission of the warden.

Water, Electricity, Furniture and Fixture

1. Boarders must take their bath only in the bathroom places as provided for their use.
2. Lights must be switched off when the occupants leave a room.
3. No Furniture shall be removed from one place to another without the permission of the superintendent / In-charge of the hostel.
4. Damage done to furniture, fixture, and utensils must be made good by the boarder/boarders causing it. If the boarder causing the damage is not detected, all the occupants of the room or rooms in which the damage is done will be held liable for such damage.
5. Holders, switches, etc. must not be changed by the boarders without the knowledge of the superintendent/assistant superintendent/In-charge of the hostel. Violation of this rule will make the boarder liable to a fine as determined by the authority.
6. Any damage to the electric fitting in the rooms, passages, hostels, etc. must be at once reported to the superintendent / In-charge of hostel who will take necessary measures to repair the damage.

Visitors and Non-residents:

1. Such person whose names have been recommended by the legal guardians and approved by the Superintendent be allowed to call at the Hostel to see a boarder. Such a person has been described as a 'visitor'.
2. Outsiders, whether friend or relatives of the students, are not allowed to reside in the hostel. In emergent cases such as serious illness of a boarder, parents or legal guardians may be allowed to stay with the previous written permission of the Warden as per the seriousness of the case only for limited period thereafter they have to reside in the visitors hostel/guest house on payment basis as per institute rules.
3. As a rule, lady visitors will not be allowed in the hostels for men students. In emergent cases, only the superintendent / In-charge of the hostel should use his discretionary power to allow any lady visitor such as, mother or sister of a sick boarder to visit him or to take him home.
4. As a rule, a gent's visitor will not be allowed in the hostels for ladies students. In emergent cases, only the superintendent / In-charge of the hostel may use his discretionary power to allow any gent's visitor such as, father or brother of a sick boarder to visit her or to take her home.
5. At 6 PM visitors and other outsiders must leave a hostel for men students except those who may have special Permission.
6. Visitors will put their names, addressed, and the purpose of visit in the register maintained by the superintendent before they are allowed to go in. The visitors must record their time of arrival and departure.
7. In hostels for girls the visiting days and hours will be fixed by the warden but in no case later than 8 PM.
8. Night superintendent shall report any boarder returning to the hostel after 10:30 PM to the warden. The gate of the hostel is locked up at 10:30 PM and opened at 5 AM every day.

9. Guests of students are allowed to stay in the Visitor hostel/Guest house on availability and payment basis as per institute norms. Prior permission must be taken from the Joint Registrar (Admin.) via email (pankaj@iiitm.ac.in) or written application.
10. The warden shall have the power to refuse permission to introduce into the hostel any particular person as a guest without assigning any reason.
11. No guest is allowed to meet directly to the boarders in the hostel. However, they can meet guest in the Guest meeting room/Cafeteria in the admin block of the institute. Under special circumstances only parents can meet with prior permission of the warden of the hostel.
12. Matters of urgency affecting a boarder must be referred by the Superintendent to the local guardian appointed by his / her father or guardian.
13. No strangers will be allowed in the hostel premises for carrying on any business without license. Students are advised not to deal with strangers/unauthorized vendors.
14. Any violation of these rules may lead to penalty and the parents will be called for the same.



Annexure C: IT Policy

ABV-IITM is an apex institute dedicated to quality education and research in Information Technology and Management. The basic purpose of the Information Technology facilities of the Institute is to support the following:

1. Support and enhance the educational mission of the Institute.
2. Enrich the educational experience of the students, faculty and staff of the Institute.
3. Enhance the research and other academic activities in the Institute.
4. Enable to realize office automation in the Institute.

These facilities are required for research activities, courses and assignments as well as office automation for smooth running of the Institute.

A computer account is created for every individual member on admission to the Institute. The account allows the members to browse the web, send and receive e-mail, use the computational and other IT facilities in different labs. The members can use these services of the Institute with freedom. It is expected that the members use these services in a responsible manner. Their conduct and use should be tempered with propriety and a spirit that respects the right of everyone. Any abuse of these facilities may have serious implications on the reputation and the standing of the Institute as well as can bring the facilities of the Institute into disrepute. Such misuse of the facilities will not be tolerated at any cost.

A computer account is deactivated within one month of the member leaving the Institute.

Certain guidelines that should be followed in the use of the Institute IT services have been formulated. The compliance with these guidelines and the do's and the don'ts are necessary for the continued use of our freedom. Not only should members stick to the use of the facilities in accordance with these guidelines, but also report any use that is against these guidelines or the spirit of these guidelines. Failure to report infractions of the guidelines shall also be construed as an act of omission in following the guidelines.

Following activities amount to unethical use of IT facilities and will attract punishment from the Institute authorities. Read the following list of activities that amount to unethical use of IT facilities and the previous discussion carefully and then sign your declaration of acceptance of these policies.

Blocking of Resources:

1. Playing games on the machines in the Institute.
2. Setting personal passwords and blocking others access to computers in the Institute.
3. Sending junk mail to all the members.
4. Sending vulgar/unsolicited mail (spam) or chain mail.
5. Misuse of mailing groups and other resources
6. Unauthorized installation of network infrastructure such as wireless access points and creation of network loops in the institute network infrastructure.

Minimum punishment for these activities is suspension of computer account for two weeks. In addition, financial fine may also be imposed.

Wasting/Damaging Resources:

1. Unnecessary downloads from the Internet through peer to peer sharing software/ or through any means.
2. Damaging or changing configuration of computing and networking equipment.
3. Minimum punishment for this activity is suspension of computer account for two weeks. In addition, the member will have to compensate the Institute for the resources wasted. Damage to any of the institute network/computing infrastructure/loss of institute property will attract penalty as per the decision of the institute authorities taken time to time.

Misuse of Resources:

1. Allowing account access to other persons, sometimes outsiders.
 2. Storing/sharing pornographic material on the disk.
 3. Viewing pornographic material on Desktops.
 4. Using personal account to do outside (non-Institute) work for which the individual is paid.
 5. Sharing of institute-given personal accounts /material etc for which institute has paid/subscribed with non-members of the institute.
- Minimum punishment for these activities is suspension of computer account for six months. Such cases will also be put-up to concerned authorities for disciplinary action.

Security Related Misuse:

1. Breaking passwords/compromising security of the systems.
2. Trying to capture passwords of other members.
3. Damaging/gaining access to/stealing the data of other members.
4. Accessing prohibited websites and downloading/sharing/uploading of unauthorized/proprietary/copyrighted content from/to internet.

The security related abuse is considered to be most serious. Anyone found involved in these activities will have computer account suspended for one year. The case will be put-up to concerned authorities for necessary disciplinary action.

A disciplinary committee will look into all reported misuse and may announce penal action.

Obviously, enumeration of all such cases is not possible. However, a thumb rule is that any activity which inconveniences other members, depletes the IT resources of the Institute, or jeopardizes the security of the systems, amounts to unethical use. Moreover it should be noted that the punishment set out for various cases can change and can be very severe depending on the view that the Institute takes of the offense.

The Institute, whenever possible, gives all bona-fide members the discretion to determine how to best use the IT resources and facilities within the guidelines of this policy. Members are responsible for their actions, the consequences of those actions, and the consequences of negligent inaction. As such, members whose judgment leads to activities inconsistent with the guidelines of this policy risk disciplinary action and possible imposition of restrictions to enforce the guidelines of this policy. Also, these guidelines should be met with letter and the spirit of the guidelines as no set of ethical/unethical guidelines can be exhaustive.

Attention of campus community is drawn toward IT act 2000 and IT (Amendment) act 2008. Needless to say all community members will be bound by the above.

Acceptance of the IT Policy:

I have read and understood the above IT Policy existing in the ABV IITM Gwalior, and accept to abide by these rules and regulations. I further understand that if found guilty of violating the letter and the spirit of this policy, disciplinary action may be taken against me.

Date: _____

Signature: _____

Place: _____

Name: _____

Designation: _____

Our Pledge

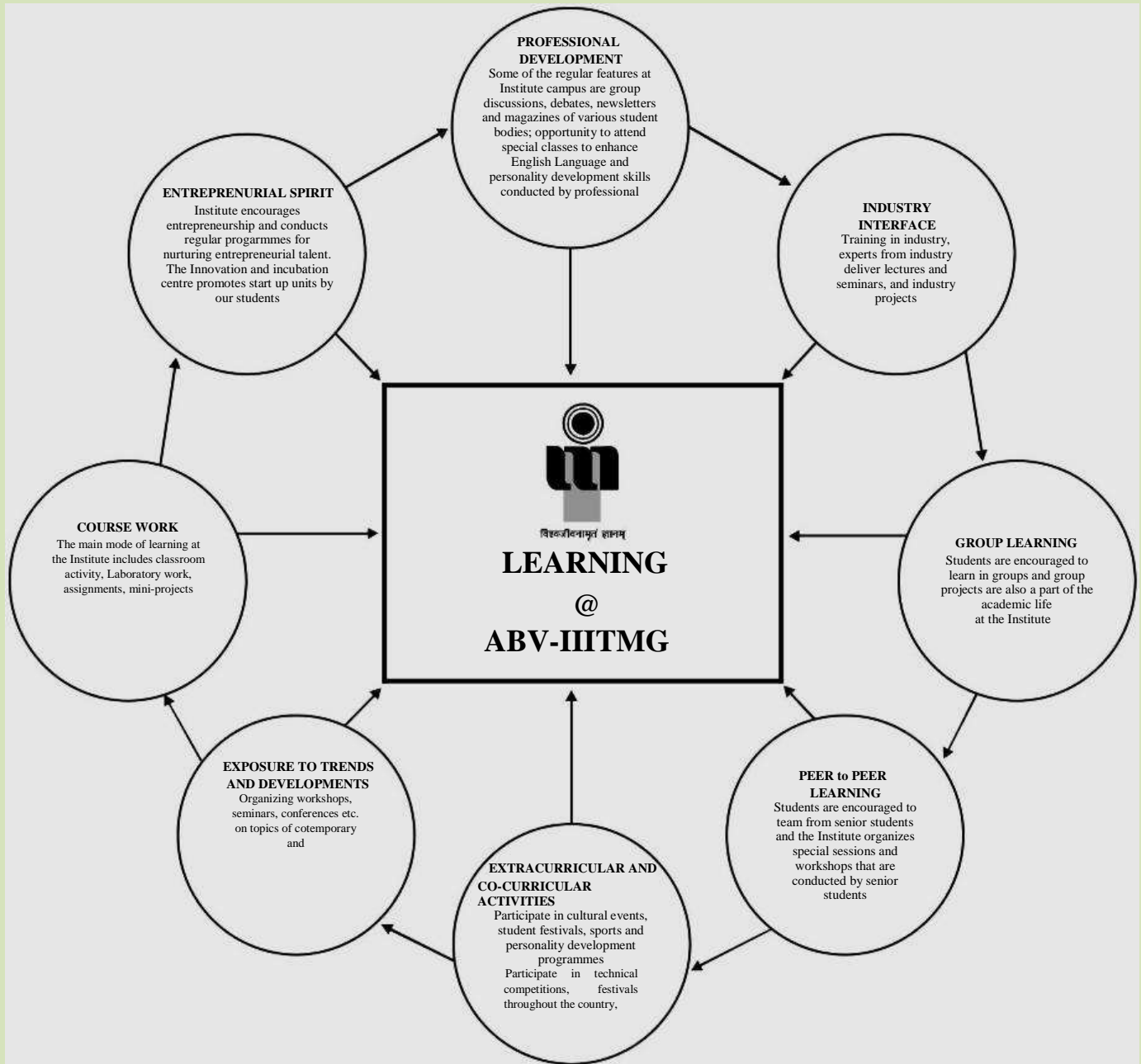
I pledge allegiance, in my heart and soul, to strive for honesty and integrity in my endeavors. I will learn from my teachers and my peer-group. I will do my assignments and projects honestly. I will be honest while providing details about my education and background, achievements, professional designations and years of experience. I will maintain respect for members of the community and to our environment. I will maintain highest standards of professional conduct and neither will receive nor give unauthorized assistance in the examinations. I will be polite and refrain from being abusive or offensive. I will never involve myself in forgery, plagiarism, theft, unauthorized collaboration and disruption of events such as classes, meetings and other social events. I will maintain confidentiality of any information entrusted to me. I will explore and take into account the social and environmental consequences of any job I consider and will try to improve these aspects of any organization for which I work.



Accolades earned by the Institute

S. No.	Award/Recognition	Year
1.	NIRF Rank : 81 in “Engineering “ and 75-100 band in Management	2019
2.	UI Green Metric 168 th Global Rank (awarded by Universitas Indonesia) and 1 st Rank in India in Green University	2018
3.	9 th Rank in Swachh Campus, MHRD	2018
4.	NIRF Ranked in 51-75 band in “Management” and 101-150 Band in “Engineering”	2018
5.	21 st Rank in India Today- Best Engineering colleges	2017
6.	UI Green Metric 164 th Global Rank (awarded by Universitas Indonesia) and 1 st Rank in India in Green University	2017
7.	Rated AAAA in Engineering colleges by Careers 360	2017
8.	Rated AAA+ in Universities category by Careers 360	2017
9.	15 th Rank in Dataquest –DSQ Survey of top 25 T-schools	2016
10.	22 nd Rank in “Management” category of NIRF , MHRD, Government of India	2016
11.	1 st Rank in Emerging best colleges in Engineering category by India Today	2016
12.	UI Green Metric 108 th Global Rank (awarded by Universitas Indonesia)	2016
13.	Best B-School Leadership Award by DNA and Star group of Industries	2016
14.	Lokmat Leadership Award for B School	2015
15.	Best B-School with IT curriculum Award by Devang Mehta Memorial Trust	2015
16.	“Gulistan “ Award for best institute campus by NaiDuniya	2015
17.	Best B-School with IT curriculum Award by Devang Mehta Memorial Trust	2014
18.	Indira Gandhi Rajbhasha Puraskar (First in Category C: Autonomous bodies) award given by president of India) for the year 2012-13	2014
19.	9 th Rank in “ Beyond IITMs School” Survey 2014 by Higher Education	2014

Model of Learning





ABV- Indian Institute of Information Technology & Management

www.iiitm.ac.in



1. <https://www.youtube.com/watch?v=T8KDhD6qGKI>
2. <https://www.youtube.com/watch?v=pzr1KV79AZc>
3. https://www.youtube.com/watch?v=d1oSJr7_b-s&t=476s
4. <https://www.youtube.com/watch?v=quPwBoZc7QE>
5. <https://www.youtube.com/watch?v=JvZY183UgMQ>
6. <https://www.youtube.com/watch?v=5YAdbroVP7k>
7. <https://www.youtube.com/watch?v=dSkkim9pf3U&t=127s>
8. <https://www.youtube.com/watch?v=QxFTCM0vNAg>