



**UNIVERSITY**

GWALIOR • MP • INDIA

“CELEBRATING DREAMS”



**PLATINUM** Engineering & Management

LEONARDO DA VINCI BLOCK

*Believe nothing, no matter where you read it, or who said it, no matter if I have said it, unless it agrees with your own reason and your own common sense.*

**—Buddha**



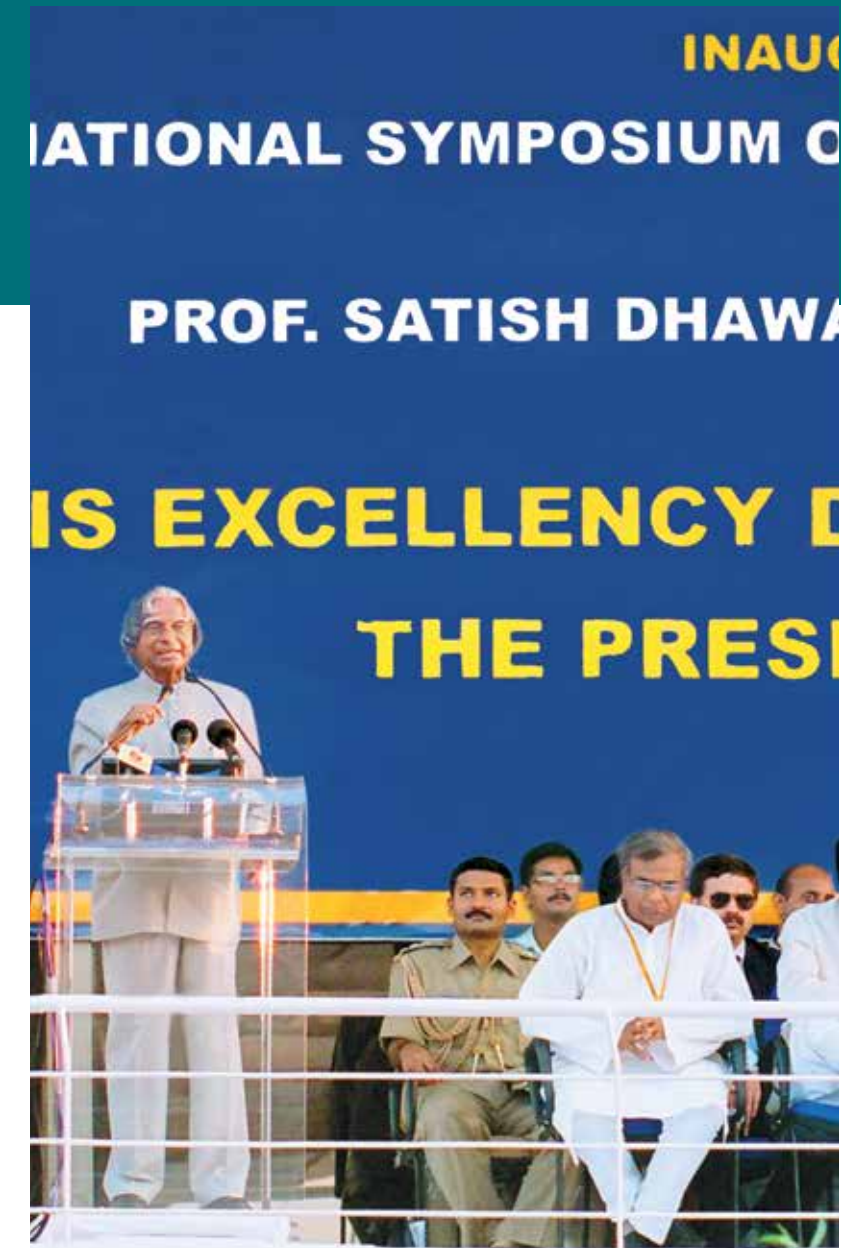


ITM University Gwalior is established under the State Legislative Act of Madhya Pradesh Government. It got UGC recognition under 2(f) and is empowered to confer Degrees/ Diplomas under 22(1) of the UGC Act for its various courses. ITM University Gwalior is notified by the UGC vide letter No. F. No. 8-21/2011(CPP-I/PU) dtd. 16.08.2011 & recognized by concerned statutory bodies of Government of India. ITM University Gwalior is NAAC Accredited and a member of Association of Indian Universities (AIU).

# RECOGNITIONS

APPROVALS / MEMBERSHIPS / ACCREDITATION

ONLY UNIVERSITY IN CENTRAL INDIA AWARDED WITH QS I-GAUGE PLATINUM Management & Engineering



Dr. APJ Abdul Kalam, President of India delivering Prof. Satish Dhawan Memorial Lecture during NSI-31 at ITM Gwalior Campus. Also seen on dais Mr. Ramashankar Singh, Founder Chancellor/Chairman, ITMU.





Live in Concert at 'NAAD'  
Amphitheatre, ITM Campus by  
Bollywood singer Neeti Mohan

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*“The greatest enemy  
of knowledge is not  
ignorance, it is the  
illusion of knowledge.”*  
- Stephen Hawking



# CELEBRATING DREAMS!!

## WELCOME TO ITM UNIVERSITY GWALIOR

ITM University Gwalior has cultivated a reputation for exceptional education. The University boasts a strong academic reputation, attracting talented faculty and fostering a rigorous learning environment. It embraces innovation, promoting cutting-edge teaching-learning processes that prepare students for the ever-evolving world. Nestled amidst lush greenery, the university provides a peaceful and inspiring ambiance conducive to learning and growth.

69,726\*

placement  
opportunities  
provided to students

95%

of the total eligible  
students  
placed so far

94%

of the total students  
have been placed  
from the last 3  
batches of MBA

800+

major industries  
& MNC corporate  
recruiters

3034

students placed  
in last 3 years

A Minimum  
of  
**5**  
placement  
opportunities  
provided to eligible  
students

\*Facts about ITM Group

The campus placement process  
for 2024 batch is still in progress.

Visit our website [www.itmuniversity.ac.in](http://www.itmuniversity.ac.in) to learn more about the University.



Sculpture by Ana Maria Nigara, Romania



# VISION, MISSION AND VALUES

Dear students, faculty and staff of this fine university in Gwalior. It has been delightful, stimulating and memorable to visit and discuss science with you today. I wish to encourage your interest and enthusiasm for science. I hope to assist you further in your efforts in the future. All good wishes.

**Roger Kornberg**, Dept. of Structural Biology, Stanford School of Medicine, Stanford University CA 94305, USA



## VISION

To be a leading Global Multidisciplinary University that will have transformative impact on society through excellence in teaching, research, creativity, outreach and entrepreneurship and remain firm in pursuit of students' dreams aligned with the motto of ITM University Gwalior - 'Celebrating Dreams'.

## MISSION

- To develop a transformative learning experience for students focused on in-depth disciplinary learning; problem solving; leadership, communication, and interpersonal skills focussed on developing socially and ethically correct citizens.
- To develop conducive environment encouraging (a) free exchange of ideas, where research, creativity, innovation, and entrepreneurship can flourish (b) attracting and retaining best talent.
- To impact society through regional, national, and global collaborations by engaging with partners outside the university campus. To develop multidisciplinary culture through collaborative multidisciplinary projects.

## VALUES

**Transparency:** Reflected in all the operations of the University for students from admission to placements and for employees from recruitment to separation.

**Shared Governance:** Reflected in the governing structure of the University and the autonomy provided to the officials at all levels.

**Inclusivity and diversity:** Reflected in the University's culture and climate that seeks, welcomes and advances talented minds from diverse backgrounds as employees and students.

**Sustainable Development:** Reflected in our shared commitment to lead by example in preserving and protecting our natural resources (green lush campus, bio-fertiliser and bio-gas plants and use of solar energy), and in our approach to responsible financial planning.

**Academic freedom:** Reflected in our process used to finalise the curriculum and syllabus and freedom given to the teachers in using pedagogical tools.

**Empathy and compassion:** Reflected in the care taken during Covid; concessions provided to the employees and their families by the ITM Hospital; concessions in education of employees and their wards.

**Integrity:** Reflected in our adherence to the highest ethical standards in personal and professional behaviour, and in our commitment to transparency and accountability in governance and everything we do.

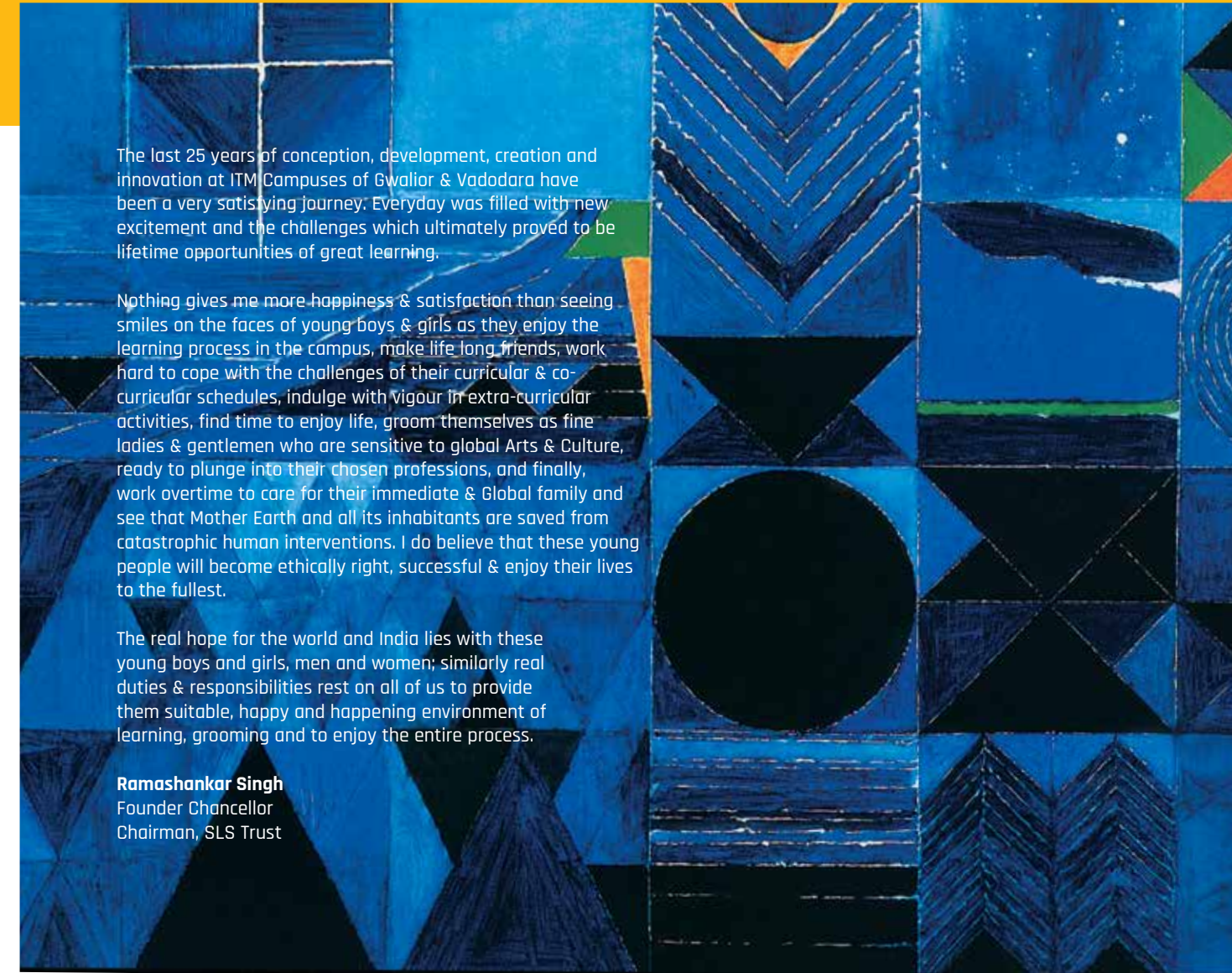
# MESSAGE FOUNDER CHANCELLOR

The last 25 years of conception, development, creation and innovation at ITM Campuses of Gwalior & Vadodara have been a very satisfying journey. Everyday was filled with new excitement and the challenges which ultimately proved to be lifetime opportunities of great learning.

Nothing gives me more happiness & satisfaction than seeing smiles on the faces of young boys & girls as they enjoy the learning process in the campus, make life long friends, work hard to cope with the challenges of their curricular & co-curricular schedules, indulge with vigour in extra-curricular activities, find time to enjoy life, groom themselves as fine ladies & gentlemen who are sensitive to global Arts & Culture, ready to plunge into their chosen professions, and finally, work overtime to care for their immediate & Global family and see that Mother Earth and all its inhabitants are saved from catastrophic human interventions. I do believe that these young people will become ethically right, successful & enjoy their lives to the fullest.

The real hope for the world and India lies with these young boys and girls, men and women; similarly real duties & responsibilities rest on all of us to provide them suitable, happy and happening environment of learning, grooming and to enjoy the entire process.

**Ramashankar Singh**  
Founder Chancellor  
Chairman, SLS Trust





# MESSAGE

## CHANCELLOR & TRUSTEE



Congratulations for being a part of ITM University Gwalior and I am happy to welcome you. I am sure you have gone through the website, social media pages and various other information available in public domains to understand its different dimensions. I am happy to share that more than 20 thousand students have completed their higher education since inception of the group. Nothing gives more satisfaction than, to see the alumni being successful in their life.

Each student is unique and has enormous potential to be successful and do something big in life. The generalised education process at most of the institutions, sometimes compel students to think similar, to behave similar and to act similar and as a result, we end creating group of identical professionals or humans which suppresses the individual creativity and thinking process. We at ITM try to focus on developing the individual strength and uniqueness of our students. The pedagogy and assessments activities are developed in a way so that every student gets an opportunity to innovate, think differently and carve out a different approach and solutions. The university provides enormous opportunities to its students to be exposed on real life issues. Successful people from different walks of life regularly visit and interact with students to give them real life exposure. These ignited talks provide food for thought to students to do things in their own way.

I hope that you will be able to realise your true potential and will be able to nurture it to next level.

I wish you all the best and an enjoyable learning.

**Ruchi Singh Chauhan**  
Chancellor & Trustee



Sculpture by Ms. Canan Zongur, Turkey

# MESSAGE

## PRO CHANCELLOR



Sculpture by Majid Haghighi, Iran

Congratulations to be a part of a university which is not only known for its academics but for its aesthetically designed campus and unique activities covering music, art, theatre, national, international conferences and interactions with important people from different walks of life. The environment and activities expose you to perspectives which help in holistic development. Similarly curricular activities are also planned differently, to invoke critical and logical thinking rather than rote learning. The unique experiences and exposure makes ITM students different from students of any other university. Our students are highly applauded wherever they work for their understanding of different fields along with academics, hence I sincerely suggest, all of you to participate in every curricular, Co-curricular and extracurricular activities. If you miss any of these activities, you will miss the joy of being at ITM. With more than 15000 alumni working with the world's best organizations and institutes, ITM provides you a global network to enhance the understanding of present happenings in respective fields. The business incubator of university, 'Idea-Pad' has become a favorite choice of students who want to become entrepreneurs. In the last six years more than twenty ideas were converted into successful companies. Many of these have their own offices in different cities. We at ITM believe that every student is different and has their own strengths; the entire focus of the university is to nurture the strength and individuality of every student. I hope the plethora of activities (curricular and extracurricular) on campus will provide you an opportunity to find your interest and excel in the field where you want to celebrate your 'Dreams'. I wish all of you a joyful learning experience.

**Dr. Daulat Singh Chauhan**  
Pro Chancellor

# MESSAGE

## VICE CHANCELLOR



At ITM University Gwalior, we are committed to providing a transformative and exceptional educational experience. Our picturesque green campus, adorned with world-class sculptures, fosters a serene and inspiring environment conducive to intellectual exploration. Here, we cultivate a dynamic learning community where students engage in rigorous debate and open dialogue. We actively nurture curiosity, recognizing it as the cornerstone of academic excellence.

We distinguish ourselves through a holistic approach to education. Our curriculum seamlessly integrates the wisdom of ancient Indian knowledge systems (IKS) with the latest advancements in various fields. We employ a diverse range of pedagogies, including project-based learning, problem-based learning, flipped classrooms, and industry immersion programs, to ensure our students develop a robust skillset.

Strategic partnerships through MoUs with leading global industries ensure our curriculum stays relevant and industry-driven. Industry experts collaborate with our esteemed faculty to shape syllabuses, participate in classroom instruction, and train our students, ultimately enhancing their

employability prospects.

Furthermore, we equip our students with the in-demand skills crucial for success in the 21st century. Courses in Artificial Intelligence, Blockchain, Deep Learning, Nanotechnology, and Robotics are not just electives, but essential components of our curriculum. Uniquely, both AI and IKS courses are mandatory for all students, fostering a future-ready generation well-versed in both cutting-edge advancements and traditional knowledge systems.

ITM University Gwalior recognizes the importance of a well-rounded education. We boast world-class sporting facilities where our talented students train and achieve excellence in national competitions. Our commitment extends beyond academics, integrating the Sustainable Development Goals (SDGs) into our curriculum. We champion employability, skill development, human values, gender equity, environmental consciousness, and professional ethics. Our students consistently impress, winning prestigious competitions across diverse fields.

Our world-class research labs are hubs of innovation, where our dedicated research community tackles pressing global challenges like climate change, biodiversity loss, environmental pollution, food insecurity, water scarcity, and health pandemics. We strive to create solutions that improve the well-being of our planet and society as a whole.

If you possess a curious mind and a desire to contribute meaningfully to the world, then ITM University Gwalior is the ideal place for you. We warmly invite you to join our vibrant learning community and embark on a transformative educational journey.

**Prof. (Dr.) Yogesh Upadhyay**  
Vice Chancellor

# MESSAGE

## PRO VICE CHANCELLOR



Congratulate all of you for fighting Pandemic Covid-19 and emerging victorious. Stay safe and take care of yourself.

All the students are welcome to the University for pursuing their dreams and converting them in to reality. Beautiful campuses full of nature including the national bird Peacocks on the campus chirping and dancing will certainly inspire and motivate all of us. The paintings and sculptures in the campus helps boost the innovation in the students.

University initiated ABCA (Activity Based Continuous learning and Assessment) and PBL (Project Based Learning) implemented as part of CBCS curriculum reforms to drive the students towards the Out of Box thinking ability. 'Outcome based education' and 'competency based learning' makes the students say I want to go to school than saying I have to

go to school. Students are trained to practice Gandhian Engineering - More from less from More (MLM). Students at ITM University Gwalior have realised that Internship is the golden gateway to Industry and believe that Sky is the lower limit.

Cutting edge research by the faculty members helps the students to work on the live and relevant projects and enable them understand the need and opportunities at the bottom of pyramid.

We are proud of our students and 20000+ alumni of which some have tapped the hidden potential of entrepreneurship and emerged as unicorns in the corporate world. One of the reasons for the success of students is that cultural activities are integral part of the University resulting in overall development of personality of our students.

Remember the statement of Dr. Peter Drucker "Knowledge has to be improved, challenged, and increased constantly, or it vanishes".

In this world of ABCD (Artificial intelligence, Big data, Cyber security and Data analytics) we aim to make the future citizens with real smiles and compassionate hearts.

Finally - Education is for life and not for mere living

God Bless. Love you all.  
Jai Hind, Jai ITM.

**Prof. (Dr.) Santosh Kishan Narayankhedkar**  
Pro Vice Chancellor



# OFFICIALS

## Visitor (Kuladhyaksha)

Shri Mangubhai C. Patel  
His Excellency the Governor of  
Madhya Pradesh

## Founder Chancellor & Chairman

Shri Ramashankar Singh

## Chancellor & Trustee

Smt. Ruchi Singh Chauhan

## Pro Chancellor

Dr. Daulat Singh Chauhan

## Chairperson, ITMU Vadodara

Smt. Kanupriya Singh Rathore

## Advisor

Ms. Palak Singh

## Vice Chancellor (Kulguru)

Prof. (Dr.) Yogesh Upadhyay

## Registrar and Director (HR)

Dr. Omveer Singh

## Dean (Academics-I)

Prof. Ranjeet Singh Tomar

## Dean (Academics-II)

Prof. Sonia Johri

## Dean (Engineering)

Prof. Mukesh Pandey

## Dean (Management/Commerce)

Prof. Yogesh Upadhyay

## Dean (Science)

Dr. Yogesh C. Goswami

## Dean (Pharmacy)

Dr. Richa Kothari

## Dean (Agriculture)

Prof. N.B. Singh

## Dean (Physical Education & Sports)

Prof. Indu Mazumdar

## Dean (Nursing)

Prof. Mini Anil

## Dean (R & D)

Dr. Pallavi Khatri

## Dean (International Cooperation & Projects)

Prof. Shyam Akashe

## Dean (Student Welfare)

Mrs. Trapti Pathak

## Chief Proctor

Shri Keshav Kansana

## Chief Finance & Accounts Officer

Shri Ajay Kumar Khatri

## Controller of Exmaination (CoE)

Dr. Dinesh Singh Tomar



Sculpture by Bhopes Kavadia, India

# BOARD OF ADVISORS



## Padma Bhushan Dr. V.K. Saraswat

Former-Director General, DRDO and  
Member Niti Ayog

## Padma Shri Dr. Uma Tuli

Social Activist & Chairperson, Amar Jyoti Trust

## Padma Shri Col. Rajyavardhan Singh Rathore

Minister of State I&B, Govt. of India  
Silver Medalist, Double Trap Shooting, Olympics  
2004

## Mr. Ashok Vajpai

Eminent Poet & Art Critic

## Dr. Naresh K. Malhotra

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Professor Emeritus, Georgia Institute of  
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IIT Mumbai

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Former Director, SSPL, Delhi, Presently at Centre  
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## Dr. P. S. Pathak

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Applications & Instrumentation Division, RRCAT,  
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## Dr. K. Lalitha

Principal, College of Nursing, NIMHANS,  
Bangalore

## Shri Vinay Singhal

Co-founder & CEO, WittyFeed - World's Second  
Largest Viral Content Company

## Ms. Kalapini Komkali

Classical Singer

## Dr. Prem Aggarwal

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## Prof. P.C. Jain

Principal, Shri Ram College of Commerce, Delhi  
University, Delhi

## Dr. M.M. Roy

Director Central Arid Zone Research Institute,  
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R.A.K. College of Nursing, New Delhi

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of India, Ghaziabad

## Dr. P.K. Mukherjee

Director, School of Natural Products, Jadavpur  
University, Kolkata

## Prof. Raj S Dhankar

Dean FMS,  
Delhi University, Delhi



# LOCATION OF THE UNIVERSITY

Gwalior, located in the central Indian state of Madhya Pradesh, is a city renowned for its historical and cultural significance. It is situated around 300 kilometers south of the national capital, New Delhi, making it strategically important and easily accessible via road, rail, and air. Gwalior's rich history dates back to ancient times, with its most prominent landmark being the majestic Gwalior Fort. This fort, often referred to as the "Gibraltar of India," sits atop a hill and has witnessed numerous historical events and battles. The city's cultural heritage is also reflected in its contribution to Indian classical music, being the birthplace of the esteemed musician Tansen, one of the "Navaratnas" in the court of Mughal Emperor Akbar. Gwalior annually hosts the Tansen Music Festival, attracting classical music enthusiasts from all over the country. Additionally, it is a center for various industries, including textiles, manufacturing, and handicrafts, contributing to the region's economic strength.



The city's blend of historical grandeur and modern development makes Gwalior a unique and vibrant place. Its strategic location, cultural wealth, and educational institutions position it as a city of significant importance in central India.

The Shalabhanjika is an invaluable stone statue of a woman, renowned globally as the "Mona Lisa in stone" from ancient India. This remarkable sculpture was discovered near Gyaraspur, close to Sanchi and Vidisha in Madhya Pradesh. It is currently housed in the museum at Gwalior Fort under strict security measures. Visiting this specific chamber requires special permission from the Archaeological Survey of India.



# FLAG OF ITM UNIVERSITY GWALIOR

ITM University Gwalior's vibrant flag, proudly displayed at events across India and internationally, embodies the university's core values. The upward arrows represent students' holistic development and continuous progress, while the design emphasizes inclusivity and social responsibility. The rust-colored background, reminiscent of earth tones, signifies neutrality towards any specific faith or belief, fostering a welcoming environment for all. The university emblem takes center stage, solidifying ITM's identity at every event.



ITM University Gwalior fosters a deep respect for national symbols. Since its inception in 1997, the university upholds the tradition of raising the Indian flag atop its buildings each morning and evening, following proper protocol. This daily ritual extends to international students as well – the flags of their home countries are displayed with respect on campus. National holidays like Independence Day, Republic Day, and Science Day are celebrated with great enthusiasm, solidifying a spirit of patriotism and global awareness among the student body.



# NURTURING CURIOSITY

## UNLEASHING CREATIVITY

ITM University Gwalior prioritizes fostering curiosity, the cornerstone of lifelong learning and innovation. We encourage students to:

- **Ask Questions:** We value inquisitive minds. Classrooms are interactive spaces where questioning is encouraged, developing critical thinking.
- **Challenge Assumptions:** We cultivate independent thinkers who challenge norms and seek unique solutions.
- **Embrace Scientific Temper:** Our rigorous programs emphasize evidence-based learning and critical analysis.
- **Disrupt the Status Quo:** A dynamic curriculum pushes students to consider the impact of their work on the world.

### ITMU'S BLUEPRINT FOR HOLISTIC DEVELOPMENT

HOLISTIC PERSONALITY DEVELOPMENT

PEGAGOGICAL APPROACHES

- Constructivism
- Dirrerentiated Instruction
- Collaborative Learning
- Experiential Learning
- PBL (Project Based Learning)
- Industry Immersion Programmes
- ABCA (Activity Based Continuous learning and Assessment)
- NPTEL and MOOCs courses
- Auditing Signature Events
- Blended Learning

BLOOM'S TAXAONOMY

\*SDG GOALS

\*Sustainable Development Goals

Indian Knowledge Systems (IKS)

Cutting Edge Tech AI, Blockchain, Robotics

Skill Enhancement Courses

Value Added Courses

Signature Events

Core Courses

Elective Courses

#### Our Goal: Empowering Innovative Graduates

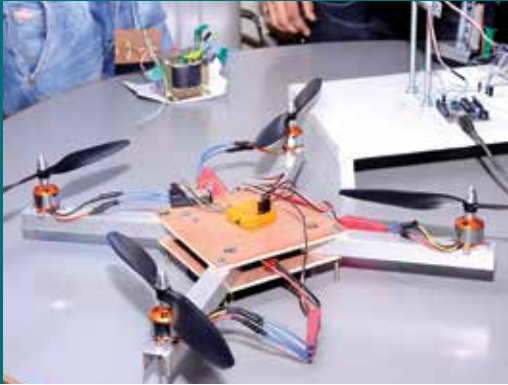
By nurturing curiosity, we aim to produce graduates who are not just knowledgeable, but adaptable and innovative. We believe a curious mind is a powerful tool for progress, as Albert Einstein said, "The important thing is not to stop questioning. Curiosity has its own reason for existing."

#### INDIAN KNOWLEDGE SYSTEMS (IKS)

Indian Knowledge Systems (IKS) offer a profound and diverse reservoir of wisdom and practices that have evolved over thousands of years. Recognizing the importance of this heritage, ITM University Gwalior (ITM) has taken a commendable initiative by organizing a vibrant calendar of IKS-related events throughout the academic year. To further incentivize student participation and deepen their understanding of this invaluable heritage, we have implemented "IKS Audit Credit" system. This detailed note outlines the multifaceted benefits of implementing such a system.

*"It is not that I'm so smart. But I stay with the questions much longer."*

- Albert Einstein



Solar Car developed by Mechanical Students



E-Bike by Electrical and Mechanical Students

NURTURING CURIOSITY



Winner of Smart India Hackathon 2023



ITM University joins Bharat Block Chain initiative



# INTEGRATING INDIAN KNOWLEDGE SYSTEMS (IKS) WITH CUTTING-EDGE TECHNOLOGY: The ITMU Approach

ITM University Gwalior stands out for its commitment to fostering a dynamic and enriching learning environment that equips students for success beyond academics, while also integrating the wisdom of the past and the power of the future. Here's a closer look at the core principles that define the teaching and learning process at ITM.



Ustad Zakir Hussain  
interaction with the students

## FOR DEEP UNDERSTANDING AND ANCIENT INSIGHTS

- **Outcome-Based Learning with IKS Integration:** The foundation of every program lies in meticulously crafted syllabuses that focus on achieving specific course outcomes aligned with Bloom's Taxonomy. These outcomes are further enriched by incorporating relevant principles and practices from Indian Knowledge Systems (IKS). IKS encompasses a vast array of traditional knowledge in fields like mathematics, medicine, agriculture, and sustainable living. By integrating IKS, ITM aims to provide students with a holistic understanding of their chosen disciplines and foster innovative solutions to modern challenges.
- **Choice Based Credit System (CBCS):** Students are empowered to make informed choices by selecting a combination of core subjects, elective courses, and potentially, IKS-focused courses. This system fosters a well-rounded education that caters to individual interests while providing a strong foundation in the chosen field, along with an appreciation for ancient wisdom.
- **Holistic Development:** ITM University Gwalior recognizes the importance of nurturing well-rounded individuals. Skill enhancement

courses equip students with practical abilities relevant to their chosen career paths, while value-based courses instill ethical principles and social responsibility. Additionally, IKS courses may explore areas like yoga, meditation, and traditional healing practices, further promoting personal growth and well-being.

## MOVING BEYOND EXAMS: A FOCUS ON CONTINUOUS LEARNING AND AI INTEGRATION

- **Engaging Pedagogical Tools:** The learning experience extends far beyond traditional lectures and textbooks. ITM utilizes a diverse range of pedagogical tools tailored to the specific subject area and learning objectives. These tools, mapped to Bloom's Taxonomy levels, might include:
  - **Lower-Order Thinking Skills (Remembering, Understanding):** Activity-based continuous assessments (ABCA), seminars, group discussions, presentations, learning through movies, and open-book tests.
  - **Higher-Order Thinking Skills (Applying, Analyzing, Evaluating, Creating):** Role plays, industrial visits, workshops, expert lectures, case studies, project-based learning with AI integration (e.g., using AI for data analysis in research projects), major research projects incorporating IKS principles, fieldwork, and framing relevant questions.



## CONTINUOUS LEARNING AND CUTTING-EDGE INTEGRATION OF AI AND IKS

ITM takes a unique approach to continuous learning by not only fostering a love of knowledge and adaptation but also by strategically integrating Artificial Intelligence (AI) and Indian Knowledge Systems (IKS) across the curriculum. This integration empowers students to:

- **Bridge the Gap Between Ancient Wisdom and Modern Technology:** By understanding both IKS principles and AI capabilities, students can develop innovative solutions that address contemporary challenges with a deeper understanding of their potential impact.
- **Become Responsible AI Professionals:** By grounding their AI knowledge in the ethical and sustainable practices embedded within IKS, students are better equipped to develop and apply AI in a responsible and socially beneficial way.
- **Fuel Groundbreaking Research and Innovation:** The interdisciplinary approach that merges AI and IKS fosters cutting-edge research, potentially leading to advancements in various fields.

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"What is now proved was once only  
imagined." - William Blake

## INTEGRATING INDIAN KNOWLEDGE SYSTEMS (IKS)



## PROJECT-BASED LEARNING FOR DEEP ENGAGEMENT

ITM incorporates project-based learning (PBL) as a key pedagogical tool. PBL challenges students to work collaboratively on real-world or simulated problems that require them to apply the knowledge and skills acquired throughout their courses, including AI and IKS. This approach fosters:

- **Deeper Understanding:** By actively applying their knowledge to solve problems, students gain a more meaningful understanding of the concepts learned.
- **Enhanced Problem-Solving Skills:** PBL equips students with the critical thinking and creative problem-solving skills needed to thrive in the ever-evolving job market.
- **Improved Collaboration and Communication:** Project-based work necessitates teamwork and effective communication, preparing students for success in collaborative professional settings.
- **Integration of AI and IKS:** Students can leverage AI tools for data analysis, simulations, or other project needs, while also considering the ethical and sustainable principles embedded within IKS when designing or implementing their solutions.

## OUTCOMES THAT GO BEYOND THE CLASSROOM AND EMBRACE THE FUTURE

ITM's commitment to continuous learning extends beyond the classroom. The interdisciplinary research activities pursued by faculty and students often produce tangible outcomes that bridge the gap between ancient wisdom and modern technology:

- **Publications:** Research findings are disseminated through publications in academic journals, contributing to the advancement of knowledge within their fields, and potentially exploring the fusion of AI and IKS for groundbreaking solutions.
- **Patents:** Innovative ideas are protected through patents, fostering the development of new technologies and products that leverage both AI and IKS principles.
- **Products:** Research may lead to the creation of marketable products that combine AI capabilities with the sustainable practices and profound insights embedded within IKS, impacting various industries and benefitting society.

## EMPOWERING FUTURE LEADERS

By graduating students who are not only academically qualified but also possess critical thinking skills, a deep understanding of AI and IKS, and the ability to solve real-world problems through project-based learning, ITM University Gwalior prepares them to become:

- **Successful Professionals:** Students are well-equipped to excel in their chosen fields, with the adaptability and problem-solving skills necessary to navigate the complexities of the modern workplace.
- **Responsible Global Citizens:** The integration of IKS fosters an appreciation for ethical practices, environmental sustainability, and social responsibility, shaping graduates who contribute positively to the world.
- **Innovative Leaders:** The ability to bridge the gap between ancient wisdom and modern technology empowers graduates to become effective leaders who can drive progress and solve complex challenges in the years to come.

ITM University Gwalior's unique approach to teaching and learning cultivates well-rounded individuals who are ready to make a lasting impact on the world. By fostering a love of continuous learning, integrating cutting-edge AI and IKS knowledge, and providing practical experience through project-based learning, ITM empowers students to become the future leaders and innovators of tomorrow.



# ART

## AT ITM UNIVERSITY GWALIOR

For over a decade, ITM University Gwalior has cultivated a vibrant artistic and cultural hub. The university consistently hosts a diverse range of events, including painters' camps, month-long international sculpture symposiums, classical concerts, music festivals, dance showcases, poetry readings, and literary meets. This ongoing commitment to the arts has resulted in the creation of a unique collection of aesthetic and literary treasures, potentially unmatched in the country, and perhaps even the continent.



Sculpture by Robin David, India



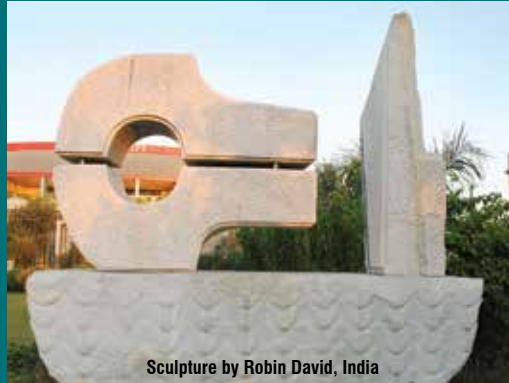
Sculpture by Madan Lal Gupta, India



Sculpture by Lyudmyla Mysko, Ukraine



Sculpture by Tutu Patnaik, India

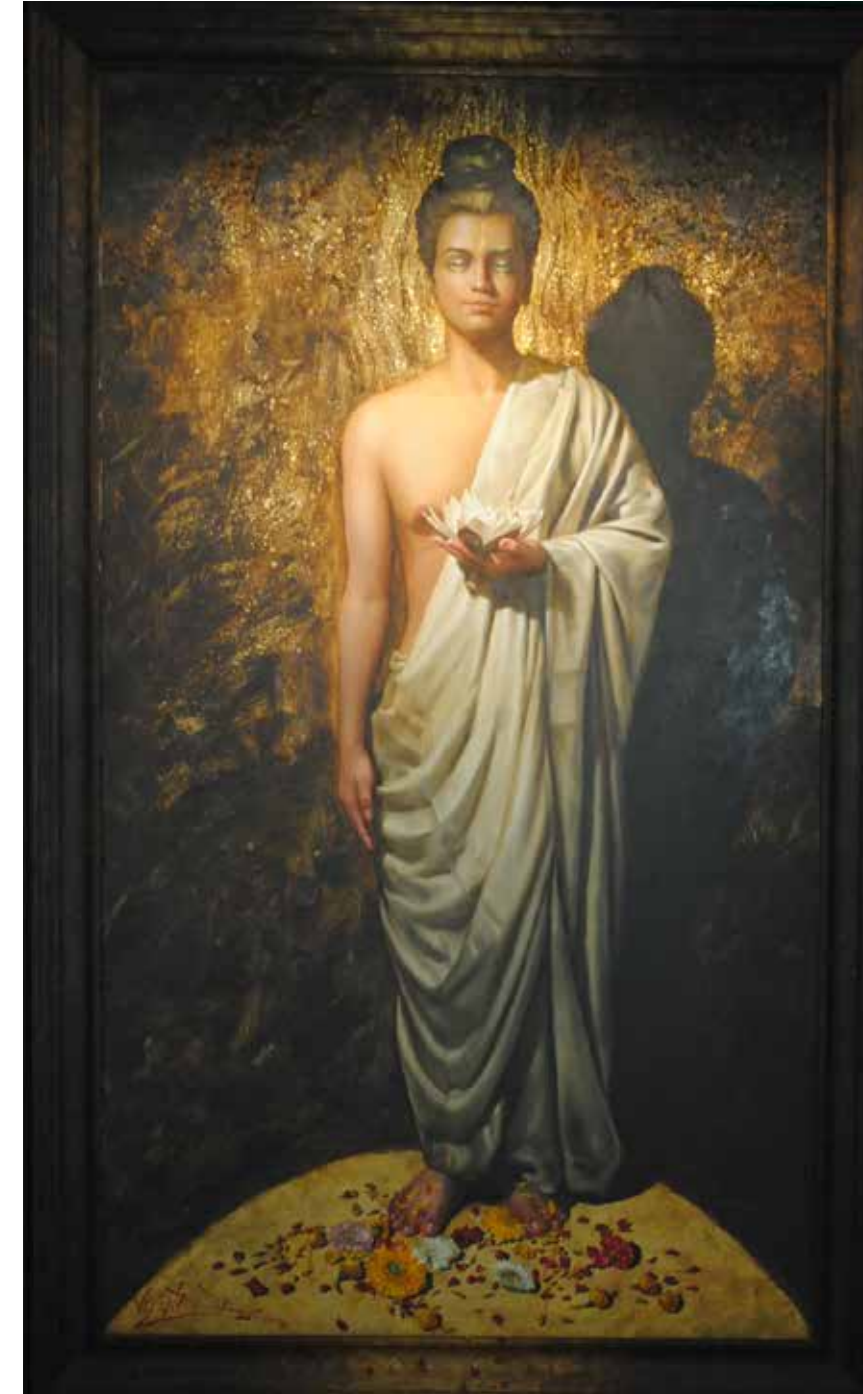


Sculpture by Robin David, India

ITM University Gwalior boasts one of the most extensive collections of fine art among universities and private institutions in India. Each ITM student takes great pride in this unique and continuously expanding heritage of our university. Works by prominent modern and contemporary Indian artists – with very few exceptions – grace the campus, showcasing a diverse range of paintings, sculptures, and artistic motifs. Enriched by these artistic expressions and the writings of renowned poets and musicians, the campus environment fosters a deep appreciation for the arts among students. This sense of ownership translates into a commitment to preserving these invaluable pieces. Students not only admire the artwork but take an active role in ensuring its protection.

The sheer number of acclaimed artists who have contributed to the collection is truly impressive. Imagine the campus as a permanent art exhibition, where students are surrounded by the finest works of Indian art. This constant exposure cultivates a refined artistic sensibility that becomes an integral part of the ITM student experience.

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*"Art is never finished, only abandoned."*  
 - Leonardo da Vinci



Sculpture by Anil Kumar, India



Sculpture by Tatsumi Sakai, Japan



# SIGNATURE EVENTS

## STEPPING STONE TO IKS

The University's signature events are emblematic celebrations of academic excellence, cultural diversity, and community engagement. From the spirited Homecoming festivities, where alumni reconnect with their alma mater and current students revel in campus spirit, to the thought-provoking TEDx talks that showcase innovative ideas from both within and beyond academia, the University's calendar is adorned with events that foster intellectual curiosity and social interaction. These signature events not only define the University's identity but also inspire its members to embrace learning, collaboration, and mutual respect both within and beyond the academic realm.



- **Meeting of Minds:** This event fosters open discussions and exchange of ideas on social issues, promoting critical thinking and understanding (Human Values).
- **Ibarat:** This event celebrates women's achievements and creates a platform for dialogue on gender equality and empowerment (Gender).
- **Badshah Khan, Dr. Ram Manohar Lohiya, Dr. Radhakrishnan Memorial Lectures:** These prestigious lectures feature renowned speakers who address critical social and ethical issues, inspiring students to become responsible citizens and ethical leaders (Human Values).
- **Classical Music Concert, Dance Festival:** These events celebrate the beauty and richness of Indian culture, promoting cultural appreciation and fostering a sense of national identity (Human Values).

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*“Never let your sense of morals get in the way of doing what’s right.*

- Isaac Asimov



- **Megha Malhaar:** This annual monsoon celebration raises awareness about environmental conservation and the importance of protecting our natural world (Environment).
- **Pre-Convocation Academic Conclave:** This event brings together scholars and academicians to discuss advancements in various fields. It encourages students to engage in lifelong learning and intellectual discourse (Skills and Development).
- **Annual International Conference on Technology Innovation and Management for Sustainable Development (TIMS):** This conference explores the intersection of technological advancements, innovative management practices, and their role in achieving sustainable development. It fosters critical thinking and problem-solving skills while emphasizing the importance of environmental responsibility (Environment, Skills and Development).
- **Annual International Sculpture Symposium, Art Meet:** These events provide a platform for aspiring and established artists to showcase their talents. They encourage creative expression, innovation, and entrepreneurship in the arts (Entrepreneurship, Skills and Development).
- **National Seminar on Recent Advances in Chemical and Environmental Sciences (RACE):** This seminar brings together researchers and students working on advancements in chemistry and environmental science. It fosters a spirit of scientific inquiry, collaboration, and promotes solutions for environmental challenges (Environment, Skills and Development).
- **ITM Theatre Festival, Film Festival:** These events celebrate the performing arts and cinema. They provide students with a platform to showcase their talents, hone their communication and creative skills, and explore careers in these fields (Skills and Development).





# SIGNATURE EVENTS

## STEPPING STONE TO IKS



Musical theatre 'Kanupriya', Direction, Music and Concept by Padma Shri Ratan Thiyam



Ram Leela 'Dance Drama' performance by Shriram Bhartiya Kala Kendra, New Delhi



Stage Drama performing by the students



Ram Leela 'Dance Drama' performance by Shriram Bhartiya Kala Kendra, New Delhi



Manipuri Group Dance 'Maharas' Presented by Sangeet Natak Akademi, Manipur



Ram Leela 'Dance Drama' performance by Shriram Bhartiya Kala Kendra, New Delhi



Manipuri Group Dance 'Maharas' Presented by Sangeet Natak Akademi, Manipur



# MEETING OF MINDS

## A CATALYST FOR CHANGE

Meeting of Minds program is one of the flagship academic initiatives geared to nurturing critical thinking amongst young minds and across faculties. It offers a common academic platform for minds to meet and to get exposed to new ideas and alternating perspectives. The aim is to transgress the usual hierarchies and disciplinary confines thereby engaging faculty members, students and all those in authority to contemplate and share their opinions on diverse issues uninhibited.



Shri Ramashankar Singh, Founder Chancellor, ITMU



Shri Sopan Joshi, Eminent Journalist and Author



Dr. Piyush Gupta, MD, Internal Medicine, Ohio State University, Columbus, USA



Ms. BK Shivani Indian spiritual teacher and inspirational speaker



Nand Kishore Acharya, Eminent Poet and Critic



Dr. Pawan K. Verma, Author, Former Ambassador and Member of Parliament



Shri Udayan Vajpeyi, Poet, Novelist, Essayist, Playwright and Script writer

Till the academic year 2018-19, we have organized about 30 sessions of Meeting of Minds which include topics viz. the Concept of Time, Energy, Colors, Melody and Mind, Intelligence, Shabd (Word), Making of God, Water, India through the Eyes of Painters, the Nature of Nature, Idea of India, Power of Positive Thinking, Why Spirit Matters?, Matter and Consciousness, Rural Manifesto and Unlocking the Secrets to Successful Human Relationships just to name a few.

*"The one real object of education is to have a man in the condition of continually asking questions."*

- Bishop Mandell Creighton

# MY INDIA, MY VISION

## IGNITING YOUNG MINDS

MY INDIA, MY VISION

The University regularly organizes a lecture series titled 'My India, My Vision,' featuring notable public figures such as Shri Nitish Kumar (Hon'ble Chief Minister of Bihar), Shri Jyotiraditya Madhavrao Scindia (Member of Parliament), and Shri Prabhat Jha (Journalist, Writer, Columnist, Social Worker, and National Vice President of the Bharatiya Janata Party), among others. These influential speakers have shared their broad and progressive visions for the nation in the 21st century, offering students a pragmatic perspective on setting and achieving their goals. The discussions typically cover various aspects of politics, governance, and other diverse topics.



Programmes like 'My India, My Vision' open up whole new vistas of knowledge and offer rich experience of the elite to the students, that can guide the young generation towards making a utopian and an egalitarian society. The catchword that echoed in the lecture series was—No one is obliged, the principle which a politician or any responsible citizen of the country should realize.



# IDEAPAD

## A BUSINESS INCUBATOR

ITM University Gwalior's IDEAPAD incubator is a launchpad for student innovation. This program fosters collaboration between various academic schools, encouraging students to tackle real-world challenges faced by the region and their communities. The goal is to transform these solutions into commercially viable businesses. Successful ventures emerging from IDEAPAD have created employment opportunities, fuel economic growth, and contribute to technological advancements. ITM leverages its existing resources to shape IDEAPAD, ensuring the program's infrastructure effectively supports the development of the next generation of entrepreneurs.



### FEW SUCCESS STORIES



**GAUHAR HAQUE**  
Co-founder, Zara Inforise



**ABHISHEK DUBEY**  
CEO, Muskaan Dreams  
Forbes 30 Under 30 Asia List 2019



**PRIYANSHI MISHRA**  
Principal Architect at  
Ontogenesis design studio



**HRISHABH TIWARI**  
Founder, CLOCEAN PVT. LTD.



**VANSHIKA NIGAM**  
Founder, Tanvi Enterprise



**PALASH TIWARI**  
CEO, PT Design Studio



**VAIBHAV DIXIT**  
Co-founder, FIZ Robotic Solutions



**NISHA NIRANJANA**  
Founder, VN Organics



### OBJECTIVES

- Facilitate ideas ("ideation")
- Accelerate implementation speed of Ideas
- Provide supplemental management for proposed enterprises
- Offer more "hand holding" than a typical venture capitalist in the process

- Give access to expertise in marketing, operations, human resources, technical, management, strategy, business development, financial, and others
- Facilitate business development and partnerships
- Help in finding clients for enterprises
- Facilitate sources of funding, now and at later stages
- Set up a portfolio of seed-stage ventures
- Provide additional deal-flow and vetting of deals for later-stage investors
- Capture potentially successful deals missed by venture capitalists.

### IDEAPAD IS BY DEFINITION A "MIXED" INCUBATOR WHICH:

- Supports development of companies linked to sectors of the economy that possess broadly disseminated technologies, such as textiles, footwear and Art curation
- Incubates companies with products, processes and/or services that are the result of scientific research and represent a high combined value. For example biotechnology, informatics, and electronics companies, among others
- Supports cultural activities such as music, sculpture, photography, and cinema
- Supports undertakings that originate in social projects connected to traditional sectors that have knowledge in the public domain and that meets demand for employment and income and hence improves the quality of life.

# TECHFEST

## AT ITM UNIVERSITY GWALIOR

### UNIFEST

Unifest, the annual techno-cultural extravaganza organized by ITM University Gwalior, is the undisputed king of youth festivals in central India. This vibrant event is more than just a competition; it's a platform designed to unleash the inner competitor within students and ignite their passion for science, technology, and creativity. Unifest's vision is twofold: Celebrating Technology: Unifest showcases the wonders of technology, providing students with a hands-on experience and fostering a spirit of exploration. Igniting Scientific Curiosity: Through interactive workshops and seminars led by industry experts, Unifest ignites a passion for science and its practical applications. This includes topics like IoT automation, ice manufacturing, and the ever-evolving world of virtual training. The festival transcends the boundaries of ITM University Gwalior, attracting students from across India with its diverse range of events. Whether you're a tech whiz or a budding artist, Unifest has something for everyone. From coding challenges (Have a Byte, Hack a Bit) to creative brick-building competitions (Bricks Building Completion), the festival is a melting pot of talent and innovation. Unifest doesn't stop at entertainment. The event understands the importance of social responsibility. Blood donation camps and charity drives for educational materials in orphanages are testaments to Unifest's commitment to giving back to the community. The grand finale? A night to remember, featuring a concert by a renowned singer or music band, leaving everyone with a lasting impression. Unifest is more than just a festival; it's an experience. It's a platform to showcase talent, ignite passions, and leave a lasting impact on the lives of young people across central India. [pen\\_sparktunesharemore\\_vert](#)



TECH FEST



# RESEARCH IGNITES INNOVATION

At ITM University Gwalior, research is not just an activity, it's a core principle. We foster a dynamic environment that prioritizes:

**High-Impact Publications:** Our faculty is actively engaged in groundbreaking research, publishing in top-tier journals with high impact factors.

**State-of-the-art Labs:** We provide cutting-edge research facilities equipped with the latest technologies to support your discoveries.



Research by Agriculture Student



**Burgeoning Patent Portfolio:** Our commitment to innovation is reflected in our growing number of patent applications.

**Cultivating Research Mindset:** We nurture a culture of curiosity and inquiry, encouraging students to develop a lifelong research perspective.

**Rigorous Research Ethics:** We uphold the highest ethical standards in research, ensuring the integrity and credibility of our work.

**Thriving Doctoral Programs:** We offer robust doctoral programs, attracting a rising number of bright minds dedicated to pushing the boundaries of knowledge.

**Honors with Research Option:** High-performing undergraduates can pursue an honors program with a dual dissertation component, combining rigorous coursework with hands-on research experience.

**Advanced Software Access:** We provide access to the latest research software, empowering you with the tools to tackle complex problems.

**Faculty Recognition for Publications:** Our faculty is incentivized and supported in publishing their groundbreaking research in prestigious international journals.

*"Live as if you were to die tomorrow.  
Learn as if you were to live forever."*

- Mahatma Gandhi

ITM University Gwalior faculty is a powerhouse of knowledge creation and application. Here, faculties are not only dedicated to pioneering new research, but also adept at translating existing knowledge into practical solutions for real-world challenges. Societal impact is at the forefront of our research agenda. We tackle issues of social relevance, collaborating with the global research community to advance current applications and push the boundaries of knowledge.

## RESEARCH LABS ESTABLISHED

- R & D Lab (Computer Science )
- R & D Lab (VLSI Design)
- P. C. Ray Centre for Central Research Facility
- R & D Lab (Life Sciences)
- Synthesis Lab (Physics Lab)
- Research Lab (Chemistry)
- Labs in Management : Business Analytics and Financial Modeling

## SOFTWARES

Engineering and Technology

- Cadence
- MATLAB
- Autocad
- ORTEP-3
- MERCURY
- Omnet++
- NCTUns

## MANAGEMENT

- SPSS 19.0
- E views 8
- R

## E-JOURNALS

- IEEE
- Ebsco
- ASCE
- ASME
- ASTM
- J-GATE
- Emerald

## DELNET

- Journal full text (National and International)

- e-Books
- Multimedia Database
- e-Journals

## INTERNATIONAL RESEARCH LABS ACCESSED BY THE FACULTIES IN THEIR RESEARCH WORK

- University of Texas at Austin, Austin, TX 78712, USA
- Università di Ferrara, Via L. Borsari, Italy
- Université Joseph Fourier, Grenoble, France
- University of Manchester, UK
- Southampton University, UK
- National Dong-Hwa University, Taiwan

## NATIONAL RESEARCH LABS ACCESSED BY THE FACULTIES FOR THEIR RESEARCH WORK

- Central Drug Research Institute, (CDRI), Lucknow
- National Centre for Cell Science, (NCCS), Pune
- Indian Institute of Chemical Biology, (IICB), Kolkata
- Indian Association for the Cultivation of Science, Kolkata
- Indian Institute of Technology, Kharagpur
- UGC-DAE Consortium for Scientific Research, Indore, India
- DRDE, Gwalior
- ABV-IIITM, Gwalior
- IIIT Allahabad
- Jiwaji University, Gwalior



## RESEARCH AND DEVELOPMENT

## FUNDING AGENCIES

- Department of Science & Technology (DST), India
- Council of Scientific & Industrial Research (CSIR), India
- Department of Biotechnology (DBT), India
- All India Council for Technical Education (AICTE), India
- Indian Council of Social Science Research (ICSSR), New Delhi, India
- M.P. Council of Science & Technology (MPCST), MP.

## MAJOR RESEARCH PUBLISHING HOUSE

- IEEE
- IETE
- SAGE
- Elsevier
- Springer
- Bentham Science
- Inder Science Publishers
- Royal Society of Chemistry, UK.
- Taylor & Francis
- Lambert Publishing House, Germany

## MAJOR ACHIEVEMENTS OF FACULTIES





# CULTIVATING THE WORKFORCE OF TOMORROW

## A COLLABORATIVE UPBRINGING WITH INDUSTRY

ITM University Gwalior prepares you for the future by integrating cutting-edge technologies directly into your curriculum. Our classrooms become launchpads for practical learning, as we collaborate with leading industries and research labs to provide hands-on training with the latest advancements. This commitment extends beyond India's borders, with over 200 MoUs with esteemed global institutions, fostering a truly international learning experience. By combining real-world application with a forward-thinking curriculum, ITM University Gwalior equips you with the skills and knowledge to thrive in the ever-evolving world of tomorrow.



**Generative AI:** Dive into the world of artificial intelligence that creates entirely new content, from art to music to code.

**Robotics:** Learn about the design, development, and operation of robots, shaping the future of automation and interaction.

**Green Technologies:** Gain expertise in sustainable solutions, tackling climate change through renewable energy and environmental innovation.

**Deep Learning:** Master the power of deep learning algorithms, powering advancements in areas like image recognition and natural language processing.

**Quantum Computing:** Harnessing the principles of quantum mechanics to solve problems intractable for traditional computers.

**3D Printing and Additive Manufacturing:** Creating physical objects from digital models, layer by layer.

**Advanced Materials Science:** Developing new materials with superior properties is crucial for sustainability.pen\_spark

**Climate Tech:** A broad range of technologies focused on mitigating climate change and adapting to its effects.

**Beyond the Classroom: Industry Collaboration**  
Our commitment to future-proof your education extends beyond the classroom. We collaborate with leading industries to ensure your training



aligns with real-world needs. This means you graduate with the skills and knowledge that employers are actively seeking.

- **The Benefit: Be Ready, Be Relevant**  
By integrating cutting-edge technologies and industry collaboration, we empower you to:
- **Become an Early Adopter:** Gain a head start in fields shaping the future, making you a valuable asset in the job market.
- **Develop Adaptable Skills:** Learn to learn, so you can thrive in a world of constant technological change.
- **Drive Innovation:** Be part of the solution, using your knowledge to address global challenges and create a better tomorrow.
- **ITM University Gwalior:** Where education meets the future, equipping you to be a leader in the ever-evolving world of technology.

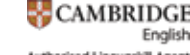
ITM University Gwalior has been innovatively collaborating with the industry to enrich the overall outcome for students in terms of knowledge and skills.



- Online moderated teacher and student training courses
- Gain access to high-quality books, workshops and events designed to meet students needs
- Corporate training
- English language teacher educator
- Offer UK qualifications in India
- Enable Opportunity to study in UK



- Curriculum developed by and for Oracle University
- 25% discount for WDP instructors
- Free software and support for WDP
- 40% discount on Oracle certification exams
- 50% discount on Self Test Software





# C COMMUNITY ENGAGEMENT

ITM University Gwalior recognizes the multifaceted benefits of community service. By engaging in service projects, students not only contribute meaningfully to the local community, but also cultivate valuable skills and experiences that enhance their employability.

The university offers a robust portfolio of service opportunities, encompassing both university-organized initiatives and student-led projects. This extensive array allows students to identify areas of personal interest and make impactful contributions. Furthermore, participation in these projects fosters a deeper understanding of global citizenship and the complex challenges faced by contemporary societies.



Beyond the act of giving back, community service serves as a platform for personal and professional development. Through hands-on engagement, students develop critical skills highly sought-after by employers. The experience cultivates problem-solving abilities, fosters leadership potential, and strengthens communication and collaboration skills. Ultimately, community service empowers students to become well-rounded individuals equipped to address societal challenges and contribute meaningfully to the world.

Such initiatives enable you to gain a greater understanding of what it means to be a responsible global citizen, through programmes providing hands-on experience and community activities. In this process you will discover the challenges faced by the society in the 21st century, and approaches needed to address and resolve them.

Here you can also undertake voluntary work, give back to society and develop the skills and experiences that employers seek.

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*“You can motivate by fear, and you can motivate by reward. But both those methods are only temporary. The only lasting thing is self motivation.”*

- Homer Rice



## COMMUNITY ENGAGEMENT





# ACADEMIC EVENTS

ITM University Gwalior fosters a vibrant intellectual environment through a diverse range of events. Throughout the year, the university hosts conferences, seminars, faculty development programs, management development programs, symposia, panels, forums, and workshops. These events serve a multitude of purposes: Students have the opportunity to engage in stimulating dialogue with academicians, industry leaders, and policymakers. This exposure to diverse perspectives fosters critical thinking and expands their understanding of current issues. The events provide a platform for academics and professionals from various fields to collaborate on interdisciplinary projects, bridging the knowledge gap and fostering innovative solutions.

These gatherings facilitate the identification of key issues and promote collaborative research efforts, advancing the theoretical and practical aspects of various fields. Students are encouraged to actively participate in these events – sharing their knowledge, gaining new ideas, and honing their presentation skills. By promoting continuous learning and knowledge exchange, ITM University Gwalior equips students with the tools and skills necessary to become future leaders in their chosen fields.





# S

## SPORTS

### REACHING THE PINNACLE

Sports and fitness are vital and integral components of student life at ITM University Gwalior. The mission of the sports and fitness program is to provide the university community with vigorous, enjoyable, and health-promoting physical activities that foster wellness and personal development. This initiative supports the university's mission by creating an environment that encourages members to adopt a healthy lifestyle, thereby enhancing their academic performance, building friendships and social skills, developing leadership qualities, and fostering a sense of ownership and belonging within the university. Additionally, the sports programs aim to cultivate world-class athletes across various sports disciplines.



“Only those who attempt the absurd can achieve the impossible.”  
- Albert Einstein

### WORLD CLASS SPORTS FACILITIES

- Outdoor Games**
- Cricket with 2 astro turf and 3 International level turf
  - 01 Lushgreen Football field with natural turf
  - 400mtr., 8 lane athletics track
  - Basketball complex with 2 courts
  - Tennis complex with 2 Tennis courts
  - 2 standard Volleyball courts
  - Standard Handball court
  - Standard Kho-Kho field
  - 2 standard Kabaddi courts
  - Grass turf Hockey ground

- Indoor Games**
- Gymnasium
  - Badminton Court
  - Multi Gym
  - Yoga Hall
  - Table Tennis Hall

### ACHIEVEMENTS IN SPORTS

ITM University athletes have been making headlines throughout the 2023-24 season! The Women's Basketball and Hockey teams dominated the West Zone Championships, securing gold medals in their respective categories. The Women's Hockey team further solidified their dominance with a gold medal at the All India Inter University Championship and a silver medal at the Khelo India University Games.Beyond team sports, individual athletes shone brightly. Mr. Harsh Pratap and Ms. Vaishali clinched gold medals at the Open National Taekwondo Championship held in Manali, while Mr. Deepander, Mr. Lalit, and Mr. Sachin brought home bronze medals. ITM University's boxing and wrestling programs also saw success, with Miss Laxmi securing a silver medal at the West Zone Inter University Boxing Championship and Mr. Sagar grabbing a gold medal at the South West Zone Inter University Wrestling Championship, followed by a bronze medal at the Senior National Championship. Miss

Humanshi Gurjar added to the tally with a bronze medal in the 46 kg weight category at the Asmita Khelo India Games.Congratulations to all these outstanding athletes for their dedication and exceptional performances! ITM University is proud to celebrate their achievements and support their continued success.





# COLLABORATIVE WORKSPACE

ITM University offers state-of-the-art facilities to enhance learning. Seminar halls, smart classrooms, and a well-equipped library provide a knowledge-rich environment. Beyond academics, a world-class sports complex, computing facilities, and dedicated reading spaces promote well-being and intellectual growth. The university fosters innovation through IdeaPAD and offers hostels, medical facilities, and extracurricular activities for a holistic learning experience.



## Cultivating Knowledge:

**Seminar & Conference Halls:** Engage in stimulating discussions and knowledge exchange with industry leaders and faculty in well-equipped seminar and conference halls.

**Smart Classrooms:** Elevate your learning experience with interactive whiteboards and cutting-edge technology in ITM's smart classrooms.

## World-Class Infrastructure:

**NAAD Amphitheatre:** This open-air theatre provides a unique platform for hosting cultural events, lectures, and presentations under the open sky, fostering a sense of community.

**World-Class Sports Complex:** Maintain a healthy lifestyle and find your competitive edge with access to a state-of-the-art sports complex featuring facilities for various sports like cricket, badminton, basketball, and more.

**Computing Facilities:** Stay ahead of the curve with high-speed internet access and advanced computer labs equipped with the latest technology to support your academic pursuits and research endeavors.

**Rich Library and Reading Facilities:** Immerse yourself in a world of knowledge at ITM's expansive library. Explore a vast collection of books, journals, periodicals, and online resources to supplement your learning and fuel your intellectual curiosity. The library also offers dedicated reading spaces for focused study and quiet contemplation.



Students with eminent Bollywood Actor Mr. Yashpal Sharma

## Thriving Student Life:

**Canteens:** The university offers multiple canteens with a variety of options to cater to diverse dietary needs. Enjoy hygienic and affordable meals throughout the day.

**IdeaPAD:** Unleash your inner entrepreneur! ITM University's IdeaPAD (or a similar initiative) fosters innovation and provides resources and mentorship to help students turn their ideas into viable businesses.

**Beyond these highlights,** ITM University Gwalior offers a comprehensive range of additional facilities to support your well-being and development, including: Well-maintained hostels for a comfortable and secure living environment. Medical facilities to ensure your health and well-being. Ample opportunities for extracurricular activities to explore your interests and develop new skills. ITM University Gwalior is committed to creating a holistic learning environment that fosters academic excellence, personal growth, and a spirit of innovation. With its exceptional facilities and supportive atmosphere, the university equips you for success in your academic journey and beyond.



Library



Zero Gravity, Meditation Centre



Papon in concert at ITMU



Dr. Ram Manohar Lohiya Sabhagar, one of the several AC auditoriums for seminars etc.



Ustad Allauddin Khan (Baba Maihar) hall gets jam-packed during various performances



# STUDENTS' LIFE@ITMU

Students at ITM University Gwalior have numerous opportunities to participate in clubs and activities that align with their interests and inclinations. These clubs cater to students seeking a break from academic life or those aiming to make a positive impact on the community. They organize various events that offer unique opportunities for enhancing learning, gaining organizational management experience, exploring interests, meeting like-minded individuals, socializing outside the classroom, and improving professional and personal skills. If students don't find a club that suits their interests, they are encouraged to start their own to pursue their passions. There's truly something for everyone.



## PERFORMING ART CLUB (ART, MUSIC, DANCE, THEATER, CULTURAL)

The Performing Arts Club aims to raise awareness of performing arts at the university and uncover and nurture students' talents in music, art, dance, theater, and cultural activities. This platform encourages students to refine their skills and express their creativity. Members of the Performing Arts Club observe and learn the art creation process at various sculptor symposia held at ITMU and occasionally meet with artists and painters to discuss the intricacies of art. This interaction fosters a deep appreciation for art, enhancing students' artistic discernment and sensibility. In music, club members not only attend classical concerts and rock shows but also form their own bands and showcase their talents at various events. They learn and practice different forms of Indian and Western dances, perfecting their performances. The theater aspect of the club is popular among aspiring theater artists and draws audiences from the city. Activities such as workshops and interactive sessions are organized to promote theater. Overall, the Performing Arts Club provides a comprehensive platform for students to explore and develop their artistic talents.

**E-mail: artclub@itmuniversity.ac.in**

## LITERARY CLUB

This club is dedicated to students sharing literary interests. The purpose of this club is to offer a relaxing and intellectual platform



for students to exchange ideas, emotions and theories on selected reading through creative writing, debating and quizzing. The wall magazine is a reflection of the literary skills of the students. The editorial board of the University conducts regular competitions to encourage and enhance these talents.

**E-mail: literaryclub@itmuniversity.ac.in**

## ECO CLUB

The club takes care of the ecological & environmental issues within the campus and suggests ways and means to reduce carbon emissions responsible for degradation and damage to the Earth's ecosystem. A road map to convert the campus into green campus is prepared with the help of the eco club.

**E-mail: ecoclub@itmuniversity.ac.in**

## SPORTS, YOGA AND MEDITATION CLUB

The Sports Club organises various sports events for both students and faculty members regularly. It also conducts Yoga sessions. An interesting space called "Zero Gravity" has been constructed within ITMU Campus for meditation & Yoga where any one willing to join the regular club can come and try to attain serenity of the mind & fitness of the body. Occasional activities to de-stress the students through Yoga & breathing exercises are also organized.

**E-mail: yogaclub@itmuniversity.ac.in**

## SCIENCE CLUB

ITM University Gwalior has established a Science Club to organize various activities throughout the year. The objective of this is to stimulate interest in science activities among the students. The club provides opportunities to students to showcase their innovative ideas and creativity.

**E-mail: scienceclub@itmuniversity.ac.in**

## FILM CLUB

Film club not only shows good world cinema by organising international film festivals in the campus but also inspires students to create films on the issues of their choices.

**E-mail: filmclub@itmuniversity.ac.in**

## THEATER CLUB

Theater club is well received not only by budding theater artists but also by the audiences and spectators from the city. Activities like workshops, interactive sessions etc. are organized to promote theater.

**E-mail: theaterclub@itmuniversity.ac.in**

## DANCE CLUB

The club members learn various forms of Indian and Western dances and practice to fine tune and perform.

**E-mail: danceclub@itmuniversity.ac.in**





# STUDENTS' LIFE@ITMU

## NATIONAL SERVICE SCHEME (NSS)

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. ITM University has 2 NSS Unit of 100 volunteers in each every year and provides students to take part in various Government led community service activities & programmes. The primary objective of developing the personality and character of the student youth through voluntary community service.

'Education through Service' is the purpose of the NSS. MOTTO of the NSS is Motto: The motto of National Service Scheme is "NOT ME BUT YOU" NSS units of University organizes regular Camps and activities related to health and hygiene, literacy, environment, personality development in the adopted villages and in University. NSS volunteers are also taking part in State camps, National camps, Youth camps.

## THE NATIONAL CADET CORPS (NCC) UNITS AT ITM UNIVERSITY GWALIOR

The National Cadet Corps (NCC) Units at ITM University Gwalior is a full-fledged community of motivated and trained youth that exhibits leadership qualities in the activities they had undertaken in the past. The Unit is driven by the aim of the NCC "To Develop Character, Comradeship, Discipline, Leadership, Secular Outlook, Spirit of Adventure and Ideals of Selfless Service amongst the Youth of the Country". The ITM University Gwalior has 03



ITM Theatre Festival



Introduction Party for Freshers



One of the departmental library



KRONOS - the annual tech fest of ITMU



Projects



established active NCC Units comes under 8 MP Artillery Battalion Gwalior (106 Seats for Girls & Boys), 3MP Artillery Girls Battalion Gwalior (53 Seats for Girls Only) and 3MP Naval Unit Gwalior (80 Seats for Girls & Boys). ITM University Gwalior offered NCC as general generic elective subject at UG level. The cadets are offered a variety of courses including those for Indian Military Academy, Officers Training Academy, Basic Mountaineering course, Para Sailing and Para slithering etc.

## AWARDS BY ITM UNIVERSITY GWALIOR

1. Cash prize is given to cadets representing University at national and international level.
2. Motivational Awards in the form of Medals/ Trophies/Certificates are also given to cadets for achievements in different fields.

Also provide Entry Level Scholarship at the time of Admission in first year tuition fee as per the performance of aspirant at State/National/ International level as NCC cadet in his/her previous institute/School.

## SEG STUDENT CHAPTER

The ITM University Gwalior has established a student chapter under the prestigious world forum "The Society of Exploration Geophysicists (SEG)" in Feb, 2017. This chapter helps preparing our students as successful professional and provide essential tools and resources for educational enhancement, travel, networking and leadership training.

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"Success is not final, failure is not fatal: it is the courage to continue that counts."

- Winston Churchill

## STUDENT LIFE@ITMU



Ms. Shikha Raja Bundela, B.Tech. Mech., NCC Cadet of ITM University Gwalior, selected for Dinner with Prime Minister of India Hon. Shri Narendra Modi and the then Defence Minister Shri Manohar Parrikar



Ms. Shikha Raja Bundela, B.Tech. Mech., NCC Cadet of ITM University Gwalior, selected for Dinner with Vice-President of India Hon. Dr. Hamid Ansari



NCC cadets with General (Retd.) Dalbir Singh Suhag, now Ambassador of India to Seychelles



Gaurav Soni, Student of B.Tech. represented India at Youth Exchange Programme (YEP), Bhutan-2018 • Republic Day Camp (RDC), New Delhi-2018



Shri Vishal Krishna performing at ITMU

## SPIC MACAY

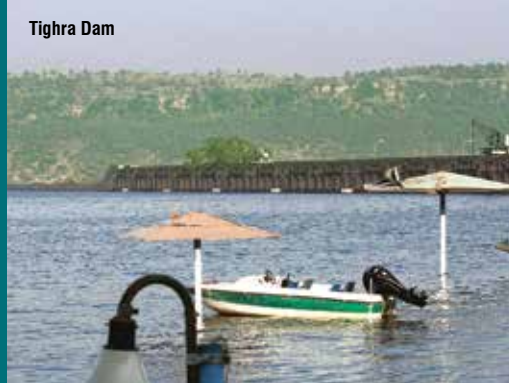
### SPIC MACAY

The society for the promotion of Indian Classical Music and Culture amongst Youth, popularly known as 'SPIC MACAY'. It is involved in promoting Indian classical music, dance and other aspects of Indian culture. It seeks to foster the exchange of traditional Indian values and to generate awareness of the cultural tradition and heritage of India. It is also a movement with chapters in 200 towns and cities and ITM University Gwalior is one of them. Spic Macay organises concerts lectures and demonstrations, informal discussion and seminars for the promotion of Indian culture and arts. ITM University Gwalior is one of the prolific centres to witness such events.



# LIFE AT GWALIOR

Gwalior, a historic city in the heart of India, is located in the state of Madhya Pradesh. Renowned for its rich musical heritage, it is famously known as “The City of Music.” The ancient Indian classical music tradition of Dhrupad was refined here under the Tomar dynasty before spreading across India, adapting various local flavors. Gwalior is also the birthplace of the legendary musician Tansen, one of the nine jewels of Emperor Akbar’s court, who composed many intricate and beautiful ragas. Additionally, Gwalior has been designated as one of the Smart Cities of India, blending its historical significance with modern development.



Tighra Dam

“Never let your sense of morals get in the way of doing what’s right.”

- Isaac Asimov

The city has perhaps the richest musical tradition among all the cities in this great country starting from Tansen, Baijubabra, Hassukhan, Haddukhan, Krishnarao Pandit, Balasaheb Puchhwale, Chote Bhaiya Puchhwale, Bande Ali Khan, Shankar Rao Pandit and home to living legends like Malini Rajurkar, Ustad Amjad Ali Khan, the list is long.

ITM University Gwalior carries forward the tradition and is applauded for its efforts to preserve and promote the Indian Classical Music. It holds a music festival ‘megh malhar’ annually, which has gained popularity in the entire country. Gwalior has beautiful large fort palace built during Tomar dynasty as they were the connoisseurs of Art & Music. Exquisite stone works can still be found here inspite of immoral plundering by vested interests. Agra, the city of Taj-masterpiece of world heritage, is 110 Kms from Gwalior. Khajuraho group of temples depicting all facets of life is 6 hours journey by road. Mitawali & Padavali has a group of 108 ruins of temples and is 20 Kms from Gwalior. Orchha is 100 Kms from Gwalior and is a treat for weekend trips as the village still carries old time feel with palaces, temples, cenotaphs and ruins along the banks of Betwa River.

Modern Gwalior is now an educational hub and bustling city with a population of over 1.6 million. It is centrally located 317 Kms from Delhi and 400 Kms from Bhopal. It is well connected with Delhi, Bhopal, Indore, Mumbai, Pune, Chennai, Bangalore, Goa, Puri, Kolkata and Hyderabad by trains, roads and by air from New Delhi, Indore, Mumbai, Bengaluru, Hyderabad, Kolkata and Jammu.

## LIFE AT GWALIOR



Tomb of Tansen



Temple in Orchha

ITM University Gwalior itself has visitors from all over the regions to see its vast collection of sculptures and paintings as well its most applauded Amphitheater ‘NAAD’, which is a hub of cultural activities.

The industrial history of the Gwalior dates back to later part of 19th Century when Birlas established their textile business. The well known Grasim & Gwalior suitings brands were born in this city. Gwalior has kept pace with time making it emerge as a vibrant city of Madhya Pradesh. The city has attracted major corporate houses like Cadbury, Kodak, SRF, J.K. Industries, Crompton Greaves, Flex Chemical and Atlas Cycle Company.



Gwalior Fort



Khajuraho Temple



Taj Mahal is just two hours from ITMU



# DISTINGUISHED

## GUEST SPEAKERS

ITM University Gwalior ignites intellectual curiosity by fostering a platform for dialogue. The university invites renowned speakers and panelists across diverse fields - science, technology, social issues, politics, and culture - to engage students in forums, workshops, and debates. These events tackle current and critical topics, equipping students with a broader worldview and the knowledge to navigate the complexities of the real world. Each year, esteemed figures - Nobel Laureates, business leaders, policymakers, academics, and industry experts - share their insights and spark meaningful conversations. Students have a unique opportunity to learn from the best, fostering critical thinking, engagement, and valuable networking connections.



## DISTINGUISHED GUEST SPEAKERS





## DISTINGUISHED GUEST SPEAKERS



**Ms. Jwala Gutta**  
Indian Badminton Player



**Mr. Gopaldas Neeraj**  
Eminent Poet



**Mr. Munawwar Rana**  
Eminent Poet



**Mr. Rajeev Kumar**  
Global Head-Campus Hiring  
Wipro Technology



**H.H. Nischalanand  
Saraswati Ji**  
Jagadguru Shankaracharya



**Dr. Akhilesh Pandey**  
Chairman, Madhya Pradesh  
Private University Regulatory  
Commission



**Prof. H. M. Gupta**  
Former Professor, Dept.  
of Electrical Engineering,  
IIT Delhi



**Dr. Narendra S. Chaudhari**  
Director (Chairman IEEE, MP  
Subsection)  
VNIT, Nagpur



**Mr. Atul Singh**  
SP, Economic Offences  
Wing's (EOW)  
Gwalior (MP)



**Prof. R. K. Ghosh**  
Professor, Department of  
Electrical Engineering, IIT  
Delhi



**Dr. Anurag Seetha**  
Associate Professor, Dept.  
of Computer Applications,  
MCRPV, Bhopal



**Dr. Balraj Singh**  
Vice Chancellor, Agriculture  
University, Jodhpur  
Rajasthan



**Mr. Deepak Kumar**  
Managing Director, VISA  
Steel Ltd.



**Dr. Karin**  
Homa Teacher, Five Fold  
Path Mission, Homa Organic  
Farming, Mumbai



**Prof. Onkar Singh**  
Vice Chancellor, MMUT,  
Gorakhpur



**Mr. S. Ganapathy  
Venkatsubramaniam**  
Professor, Anna University,  
Chennai



**Prof. Cheol Park**  
Professor of Business  
Administration, Korea  
University, South Korea



**Mr. Vijay Mehta**  
Chairman, MEFCOM Pvt.  
Ltd.



**Ms. Latika Wadhwa**  
Founder, MASTyle Care



**Dr. R.C. Tiwari**  
Emeritus Professor,  
BHU, Varanasi



**Ms. Sakshi Malik**  
Rio Olympics 2016 Medal  
Winner Wrestler



**Padma Shri  
Dr. Prahlada Rao**  
Missile Scientist



**Dr. Subra Ananthakrishnan**  
Professor, FASc, FNAsc  
Pune University



**Dr. R K Sharma**  
Professor IIT Delhi



**Dr. Ulrich Berk**  
President, German  
Association of Homa  
Farming



**Prof. S.G. Deshmukh**  
Director, ABV-IIITM Gwalior



**Mr. Mwitumwa Namunda  
Lubinda**  
Second Secretary (Immigration &  
Consular Affairs) Zambia



**Professor David Faulkner  
(Emeritus)**  
Director, School of Business,  
Oxford University



**Mr. Dipak Gyawali**  
Former Minister, Water  
Resources, Nepal



**Prof. Prasanna Chandra,**  
IIM-Bangalore  
Director Center for Financial  
Management, Bangalore



**Prof. A.K. Maitra**  
Former Director, School of  
Planning & Architecture,  
Delhi



**Dr. Simon Baev**  
Georgia Southwestern State  
University (GSW), USA



**Mr. Azhar Iqbal**  
Prolific Poet & Script Writer



**Mr. Banwari Lal Jhol**  
Actor



**Ms. Deepshikha Nagpal**  
Indian Actress and Film  
Director



**Mr. Farhat Ehsas**  
Poet and Journalist

## DISTINGUISHED GUEST SPEAKERS



**Prof. Arun Kumar**  
Eminent Economist and  
former professor,  
Jawaharlal Nehru University



**Ms. Neha Chaudhary**  
Director, ITASPA, Lucknow



**Dr. Ratan Tiwari**  
Principal Scientist, Directorate of  
Wheat & Barley Research, Karnal,  
Haryana



**Dr. A K Goyal**  
Sr. Scientist DRDE Gwalior



**Mr. Biswa Bhusan**  
Lead - Talent Acquisition,  
Infosys Ltd.



**Prof. Michel Aragno**  
University of Neuchatel  
(Switzerland)



**Prof. K.N. Tiwari**  
Former Director, International  
Plant Nutrition, India



**Prof. Rishikeshan T.  
Krishnan**  
Director IIM Indore



**Ms. Bimaljeet Kaur**  
Associate Consultant, TCS



**Dr. K.K. Bhasin**  
Professor, Punjab University,  
Chandigarh



**Mr. Jimmy Sharma**  
Founder, Narmadatech  
Solutions Pvt. Ltd.



**Mr. Mahip Tejaswi**  
CEO, Gwalior Smart City



**Mr. Rohit Mohan**  
Dy General Manager, LPG  
Sales, Indian Oil Corporation  
Ltd., Gwalior



**Mr. Ramesh Chandra  
Dwivedi**  
Director, RUDSET Institute,  
Bhopal



**Mr. K.M. Pdmabhan**  
Director, ONGC, Chennai



**Prof. Sanjeev Jain**  
Professor, Dept. of Mechanical,  
IIT Delhi



**Mr. Hilal Khan**  
Vice President & Operating  
Head IT, Honda Cars India  
Ltd.



**Mr. Rajat Jain**  
Head Marketing, Nestle for  
Maggie Noodles



**Ms. Medha Patkar**  
Social Activist



**Mr. Alok Saxena**  
Vice President, TATA Motors  
Ltd., Pune (Retd.)



**Mr. Rohit Sharma**  
Regional Head, Jaypee  
Cement



**Prof. Sanjay K. Jain**  
Chairman, Council for Industry-Higher  
Education Collaboration, Dr. Harsingh  
Gour Vishwavidyalaya, Sagar



**Mr. Shashi Shekhar**  
Editor-in-Chief, Hindustan  
Newspaper Group (Delhi)



**Mr. Akhilendra Mishra**  
Actor, Bollywood



**Mr. Sohan Singh**  
Yoga Master, China



**Mr. Shesh Narayan Singh**  
Eminent Journalist



**Mr. Alok Joshi**  
Managing Editor, CNBC  
Voice and CNBC Bazaar  
(Mumbai)



**Mr. Gajendra Chauhan**  
Actor



**Ms. Gunjan Vijay**  
Indian Television Actress



**Mr. Rahat Indori**  
Indian Lyricist



**Pt. Ajay Phonger**  
Indian Vocalist



# PROGRAMMES OFFERED

ITM University, Gwalior, stands out for its distinctive educational approach that seamlessly blends cutting-edge Artificial Intelligence (AI) with the rich wisdom of Indian Knowledge Systems (IKS). This unique blend ensures that students not only gain proficiency in the latest technological advancements but also develop a profound understanding of their cultural heritage. AI is integrated into all programs, providing a comprehensive grasp of its diverse applications across various disciplines. Additionally, IKS principles and methodologies are woven into the curriculum, allowing students to appreciate the intellectual legacy of India while exploring its potential for contemporary use. ITM University, Gwalior, further enhances the learning experience through collaborations with leading corporations like IBM, Microsoft, and ServiceNow, offering valuable internship and training opportunities. The Choice Based Credit System empowers students to personalize their education by choosing courses from other programs or MOOCs platforms, tailoring their degree to their specific interests. Active learning through projects and immersion programs ensures that students internalize the knowledge and develop well-rounded personalities, fully prepared to thrive in the dynamic world of the 21st century.

SCHOOL OF ENGINEERING & TECHNOLOGY			
COURSE NAME	BRANCH/SUBJECT	ELIGIBILITY	DURATION
B.TECH. / B.TECH (HONOURS)*	Civil Engineering	10+2 in Maths stream with minimum 50%marks	4 Years
	Mechanical Engineering (Mechatronics)		4 Years
	Electronics & Communication Engineering		4 Years
	Electrical Engineering(Solar & Alternative Energy)		4 Years
	B.Tech Computer Science & Engineering (Specialization in Data Science)		4 Years
	B.Tech Computer Science & Engineering (AI and Machine Learning)		4 Years
	B.Tech Computer Science & Engineering (Cyber Security)		4 Years
	B.Tech Computer Science & Engineering		4 Years
	B.Tech Agriculture Engineering		4 Years
COMPUTER APPLICATION	MCA	"10+2 in Maths & Graduation in any stream with 50% marks"	2 Years
	BCA/BCA (Honours/Research)	"10+2 in any stream with minimum 50%marks"	3/4 Years

SCHOOL OF BUSINESS		
COURSE NAME	ELIGIBILITY	DURATION
MBA (Dual Specialization)	UG/PG with minimum 50% marks	2 Years
MBA (Data Science)	UG/PG with minimum 50% marks	2 Years
MBA (Agri Business)	UG/PG with minimum 50% marks	2 Years
BBA/BBA (Honours/ Research)	10+2 in any stream with minimum 50%marks	3/4 Years
BBA+MBA (4yr)	10+2 in any stream with minimum 50%marks	4 Years
B.Com/B.Com (Honours/ Research)	10+2 in Commerce with minimum 50%marks	3/4 Years

SCHOOL OF PHARMACY		
COURSE NAME	ELIGIBILITY	DURATION
D.Pharm	10+2 in PCB/PCM with minimum 50% marks	2 Years
B.Pharm	10+2 in PCB/PCM with minimum 50% marks	4 Years
M.Pharm (Pharmaceutics)	B.Pharm with minimum 60%marks	2 Years

SCHOOL OF NURSING SCIENCES		
COURSE NAME	ELIGIBILITY	DURATION
M.Sc. Nursing	B.Sc. Nursing with 1 year	2 Years
B.Sc. Nursing	10+2 in PCB & English with minimum 45% marks	4 Years

SCHOOL OF AGRICULTURE		
COURSE NAME	ELIGIBILITY	DURATION
B.Sc. (Honours) Agriculture	10+2 in Science /Agriculture with minimum 50%marks	4 Years
B.Sc. (Honours) Horticulture		4 Years
M.Sc. (Ag.) (Specialisation in Agronomy, GPB, Horticultutre (Vegetable Sc.))	UG/PG in Agriculture stream with minimum 50% marks	2 Years

SCHOOL OF SCIENCES		
COURSE NAME	ELIGIBILITY	DURATION
BSc/BSc(Hon/Research) (Forensic Science)	10+2 in Science with minimum 50%marks	3/4 Years
BSc/BSc(Hon/Research) Biotechnology	10+2 in Science / Biology /Agriculture with minimum 50%marks	3/4 Years
BSc/BSc(Hon/Research) Microbiology		3/4 Years
BSc/BSc(Hon/Research) Food Technology		3/4 Years
BSc/BSc(Hon/Research) (CS)/PCM		3/4 Years
M.Sc. (Food Technology)		2 Years
M.Sc. (Microbiology)	B.Sc. in Life Science/Agriculture 50% marks	2 Years
M.Sc. (Biotechnology)	B.Sc. with Biology group/Biotechnology/ Microbiology/Agriculture with 50% marks	2 Years

SCHOOL OF SPORTS EDUCATION		
COURSE NAME	ELIGIBILITY	DURATION
B.P.E.S	10+2 in any stream with minimum 40% marks	3 Years
B.P.Ed.	UG in any stream with 50% marks	2 Years
M.P.E.S	B.Sc. (Health & Physical Education / B.P.E.S. / B.P.Ed. with minimum 50% marks	2 Years
Post Graduate Diploma in Yoga	UG in any stream with minimum 45% marks	1 Year





# COMPUTER SCIENCE ENGINEERING

Global Excellence and local relevance in research, teaching, and technology development is the vision of the department. The department was started in 2011. The department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and wireless networks.



*"I donot feel obliged to believe that same God who endowed us with sense,reason,and intellect had intended for us to forgo their use."*

- Galileo

The courses offered in the Department are aimed at preparing students for a career in any of the main areas of Computer Science & Engineering/Information Communication Technology where they can put to practice the knowledge acquired during the study. Through rigorous theory and laboratory practices, the students are equipped to seek position in an organization engaged with computational and software development applications.

## PROGRAMMES OFFERED

### Centre of Excellence

The courses in Dept. of Computer Science are designed in consultation and collaboration of experts from industries.

### B.Tech./B.Tech.(H)

#### Computer Science & Engineering

#### Computer Science & Engineering

(Artificial Intelligence and Machine Learning

#### Computer Science & Engineering

(Data Science)

#### Computer Science & Engineering

(Cyber Security)

## UNIQUENESS

- To boost the overall performance of students, ITM University Gwalior has implemented Activity based continuous assessment model (ABCA). In this model students are involved in various technical activities such as Project development, poster presentations, seminar, case study, open book test, quiz and research article writing.
- The Department of Computer Science and Engineering provides an outstanding research environment complemented by excellence in teaching.
- Well qualified faculty members aim at delivering top class education blending their rich research experience with classroom teaching.
- The department has a comprehensive curriculum on topics related to all aspects

of Computer Hardware and Software with an emphasis on activity and project based learning. The course structure is up-to-date and includes courses on promising topics to equip our students with the latest developments in Computer Science and Engineering.

- Hardware Trouble shooting and Maintenance cell caters to the needs of all the departments of the entire ITM University.
- The R&D cell is constantly striving for research in some of the niche areas of information & communication technology.
- The Department is assisted by a well maintained Departmental library for references.

## MoUs

The MOU creates an accord between the industry and ITM University Gwalior which is beneficial for students to enhance their technical skills and groom them as per the industry requirement. The department has signed following MOUs:

- One Planet Research (OPR) • Oracle
- Beyond Boundaries • CETPA
- RedHat • Shreyanshi Consultancy
- FACE • Allsoft Solutions
- Sinros Pvt. Ltd. • TPC Global
- Infosys • TPC Global
- DreamUny Education Pvt. Ltd.
- CISCO
- FPTU, Vietnam for student and faculty exchange program • DOC Systems • EMC2
- Safeduate learning Pvt. Ltd. Sap India Ltd.

## PEDAGOGY AND LEARNING AMBIENCE

The department's pedagogy aims at preparing students to face real-world challenges using Project-Based Learning (PBL), interactive and participative processes and constant mentoring. Lots of opportunities are provided to students to supplement the conventional technical education using the following practices:

- Industry Visits, Workshops and Trainings
- Projects and Quiz Competitions
- Students Seminars and Debates
- Interviews and Group Discussions

## COMPUTER SCIENCE ENGINEERING

- Innovation and Creativity Clubs
- Personality Development Programmes

Students and faculty are also benefit from the following sources:

- NPTEL Programme • MIT's Open Courseware
- IIT Spoken Tutorial and FOSS lab by IIT Mumbai
- Udacity Programme

The teaching aids include Multimedia LCD projectors, and smart class rooms. Frequent visits by leading industry officials, academia and government give the students a unique opportunity for interaction.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

IT sector is quite broad in terms of employment and job options. Roles are varieties for Computer engineers in IT sector, but their primary role is to apply the knowledge of mathematics and science to design and develop software to be used by clients or users.

Computer engineers can work as network engineers, system management professionals in public, private as well as in academic institution. Computer software engineers have bright career prospects as the application of software and dependency on it in various walks of life are increasing.

Our students have been placed in companies like TCS, Wipro, Satyam, IBM, Mahindra Mphasis (EDS), Hexaware, Infosys, Tarry Harris, Persistent, Accenture, Libsys, Amdale, HCL, Unilogic, Applabs, Zensar, Syntel, and Shriram Value Services Pvt. Ltd.

## RESOURCES

- Well-equipped specialized labs & multimedia classrooms
- All classrooms are breezy and nature friendly
- Licensed and Open Source Softwares (Microsoft Campus Agreement, Java, MATLAB, NS@, WEKA, Cloudsim 3.0.1, Cisco Packet tracer, Ubuntu 16.04, ORACLE 9i, Linux7.2, windowsNT/2003 Server, Wi Proxy,TurboC++,etc.)



- Campus agreement with Microsoft Corporation for use of all its softwares
- High Specification Server
- 40 Mbps for high speed internet connectivity throughout the labs • Having enough power backup facility upto 100 KVA • 15 broadband connections are used as a backup and fault tolerant internet connectivity

## RESEARCH AREAS

- Cyber Forensics and Security
- Machine Learning
- Soft Computing
- Wireless Sensor Networks
- Mobile Adhoc Networks and Vehicular networks
- Big data analytics
- Image and Video Processing
- Data and web Mining
- Network Security
- Cloud Computing

## CERTIFICATE COURSES

- Cyber Forensics and security
- Programming in C
- Playing with pointers in C
- PHP
- .NET Programming
- Java Programming
- Python



# ELECTRONICS & COMMUNICATION ENGINEERING

In the present era, the field of Electronics and Communication Engineering plays an important role in almost every sphere of our life. It has penetrated almost in every field of our existence whether these are television, washing machines, mobile phones or automated vehicles. It mainly deals with the communication technology along with the basic electronic components, design of circuits and systems.



*"Imagination is more important than knowledge."*  
- Einstein

The Department of Electronics and Communication Engineering was established in year 2011 with the intent of raising highly qualified Engineers and Researchers who can contribute substantially in the field of Electronics and Communication Engineering.

## PROGRAMME OFFERED

- **B.Tech./B.Tech.(H)**  
**Electronics & Communication Engineering**

## UNIQUENESS

- Highly qualified and experienced staff.
- Faculty with wide array of specializations.
- Faculty with specializations in VLSI Design, Microwave Engineering, Wireless Communication, Communication Systems, Digital Communication.
- Syllabus designed in collaboration with the industries to enhance placements.
- For hands on experience and innovation, every subject is supplemented with a project.
- Emphasis on Research and Innovation.
- Involvement of students in R&D Organizations.
- A wide array of electives which gives freedom to study the subjects of their interest.
- Continuous organization of Seminars, Workshops and International Conferences.
- Publications in International, National Journals and Conferences of repute.
- Well equipped Laboratories.
- Published two patents and one copyright(delete)

## MoUs

The MoUs for technical and Soft Skills training create an accord between the industry and the University which is beneficial for students to enhance their technical skills and groom them

as per the requirement of the industry. The department has signed following MoUs:

- Microchip
- Microsoft
- AWS Academy
- Blue Prism
- Celonis
- Palo Alto
- Xtrude Engineers Pvt. Ltd.
- EduSkills
- Sciencetech Technologies
- Indian Blockchain Alliance
- Service Now

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

Electronics and Communication Engineering offers scope in the field of Wireless Communication and Networks, VLSI Technology and Design, Signal Processing, Semiconductor Technology, IoT and Sensor Technology, Embedded Systems, Microwave Engineering, Nano Technology, Optical Communication, Space Research. On account of the versatility of Electronics & Communication Engineering, students also get a chance to be placed in software companies of high reputation.

## MAJOR RECRUITERS

- Micron Semiconductor • Tejas Network
- Reflex solutions • Intel • Cadence • Synopsis • Samsung • LG • DRDO • ISRO • ST Microelectronics • Bharat Electronics Limited, • Idea • Videocon • Nokia • Texas Instruments • Syntel • Micron

## RESOURCES

- Well furnished and spacious classrooms.
- Well equipped library with 9550 titles and 44075 volumes.

The department has well equipped laboratories to efficiently run all the courses. The department has following Laboratories:

- Basic Electronics Lab
- Electronics Workshop
- Electronic Devices & Circuits Lab
- Digital Electronics Lab
- Networks Analysis & Synthesis Lab



- Instrumentation & Measurement Lab
- Analog & Digital Communication Lab
- Microprocessor & Microcontroller Lab
- Control Systems Lab
- PCB & Project Lab
- Software Lab
- Microwave Engineering & Antenna Lab
- IoT and Sensors Lab
- Optical Communication Lab

## RESEARCH AREAS

Abundance of research areas are available in field of Electronics and Communication Engineering:

- VLSI Design & Microelectronics
- Wireless Networks & Communication
- Signal Processing with Machine Learning
- IoT and Sensors
- Microwave Engineering & Antenna Design



# CIVIL ENGINEERING

Civil Engineering is the practical application of principles of science to provide a better quality of life to human beings. It was divided into two areas (i) civil applications and (ii) military applications. All other engineering branches sprang from this basic civil engineering. Civil engineering has the capability of kick-starting the economic development of nation. Hence starting from last five year plan, right up to current one, the outlay of expenditure, both in public and private sector has been more than 50% of the total.



*"You cannot teach a man anything;  
you can only help him discover it in  
himself."*  
- Galileo

The demand for better infrastructure is exponentially increasing every year with every sector of economy demanding more office, residential, commercial, industrial, and hospital buildings, water supply and sanitary engineering facilities, transport i.e. roads, railways, airports, tunnels, bridges. & ship ports, etc., communication & entertainment, petrochemical and refining etc. Hence the demand to construct these facilities and maintain them in working conditions, is never going to decrease. The demand for better quality of civil engineers will continuously increase.

## PROGRAMME OFFERED

- B. Tech./B. Tech.(H) Civil Engineering

## UNIQUENESS

Our students have great opportunities of employment in infrastructure projects, Real estate development, maintenance and management of construction projects in almost all the sectors of economy. The best opportunity for a fresh engineering graduate is self-employment and to start their own construction and consultancy firms. The number of Civil engineers is the index of economic development of any country.

The Civil Engineering Department of the university is concentrating on increasing the employability of students apart from transfer of knowledge and professional skills. The Inclusion of Application of Artificial Intelligence In the field of civil engineering.

Department is offering training options to students in • AUTOCAD • STAAD • PRIMAVERA • SolidWorks • ANSYS.



## MoUs

- EduSkills • Celonis • Alteryx • AWS Academy • Palo Alto • Microchip • Microsoft • Xtrude Engineers Pvt. Ltd. • Nugatory Inherits Luminescence Technologies Pvt. Ltd. • Service Now • Goyal Housing Gwalior • Supreme Infrastructure India Ltd. • Renewable Energy Society of India (RESI) • Fluid Controls Pvt. Ltd.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

L&T, Hindustan Construction Company, Simplex Infrastructure Ltd., Punj Lloyd, Continental construction, G.M.R. Group, Lanco Infratech, Atlanta Ltd., Man Infratech Construction Ltd., IVRCL Ltd., IL&FS Engineering & Construction Company Ltd., Shopurji Palanji Construction Corporation, Local Big Contractors, Builders and Developers, National Project & Structural Consultancy Firms, Consultants and Real Estate Developers and Maintenance Engineers, Sharad Construction,

Shobha Developers, Ecospace.

Apart from these private sector companies, the major employer of civil engineers are the Government and Public sector undertakings like: state and central P.W.D's, Irrigation Deptt., P.H.E Deptt., Municipal Corporations, City Development Authorities, Housing Corporations and Boards, Town & Country Planning Boards, Steel Plants, Industrial Corporations, National Building Construction Corporations, Electricity Boards, Power Plants etc.

## RESOURCES

Civil Engineering Department has an excellent and experienced faculty with a mixture of old and young teachers. Department has laboratories which are almost fully equipped and continuously developing according to the changing requirements as per the demands of Industry. These include civil engineering workshop, Surveying, Strength of materials,

Geology, Fluid Mechanics, Geotechnical, Concrete, Highway materials, 3D Printing with SolidWorks, and Model labs etc. Apart from this, this department also has departmental computer lab for training in ANSYS, Autocad, Revit, STAAD Pro, Primavera and other useful Civil engineering softwares. Students get the facility to study from online platform like LMS. Furthermore, Department is associated with university library which also has an extensive collection of engineering textbooks, journals, and other resources both In print and online.

## RESEARCH AREAS

The Civil Engineering Department is concentrating on the research in areas of Construction Technology, Construction Management, Transportation Engineering, Environmental Engineering, Structural Engineering and Geotechnical Engineering.



# ELECTRICAL ENGINEERING

Electrical engineering is an essential and dynamic field of engineering dedicated to the study, design, and application of devices and systems that utilize electricity, electronics, and electromagnetism. This discipline encompasses a wide range of areas, including power generation and distribution, electronics, control systems, telecommunications, signal processing, and embedded systems. Electrical engineers play a crucial role in developing technologies that power our world. They design and manage systems for generating and distributing electrical power, create electronic devices and circuits, and develop control systems for various applications. Additionally, they work on telecommunications systems for transmitting information and signal processing for analyzing and modifying signals.



*"Nothing in life is to be feared. It is only to be understood."*

- Marie Curie

The Department of Electrical Engineering was established in the year 2011. The department takes pride in its well experienced and qualified faculty having Ph.D. & M.E/ M.Tech degree and competent in their respective areas. The Department is also aided by eminent visiting professors, who have expertise in Electrical Engineering to impart quality education to our students. The Department of EE strives to impart applied knowledge and practice- based technical learning to the students.

## PROGRAMMES OFFERED

- **B.Tech./B.Tech. (H) Electrical Engineering** (Solar & Alternative Energy)
- **B.Tech./B.Tech. (H) Electrical Engineering** (Electrical Vehicle Technology)

## UNIQUENESS

- MIS
- LMS
- FIELD VISIT
- INDUSTRY REQUIREMENT BASED LEARNING
- PBL
- SEMINARS
- EXPERT TALKS
- HANDS ON PRACTICE

## MoUs

- BEYOND BOUNDARIES
- TPC GLOBAL
- ALL SOFT
- FACE
- CETPA
- SINROS PVT. LTD.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

- Core Engineering Industries: generation, transmission, and distribution companies,

electrical equipment manufacturing companies, telecommunications companies, and electronics manufacturing companies

- Research and Development: industries or research institutions
- Electric vehicle industry: design and installation of charging stations, motors, Quality Control, Testing of Battery Packs, developing wiring motors, batteries, power electronics, powertrains, and software development
- IT and Software Companies: IT companies, especially in roles related to embedded systems, automation, and control systems.
- Renewable Energy Sector: designing, implementing, and maintaining renewable energy systems.
- Consulting and Services
- Government Sector: defense, railways, public sector undertakings, and research institutions
- Entrepreneurship: especially in areas such as electronics design, automation, renewable energy solutions, and IoT (Internet of Things).
- Higher Education and Research:
- Telecommunications Sector: network design, optimization, and maintenance
- Automation and Control Systems: designing and implementing control systems for industrial processes.

## MAJOR RECRUITERS

- Power Grid Corporation
- National Thermal Power Corporation
- Bharat Heavy Electricals Limited(BHEL)
- Gas Authority of India Limited(GAIL)
- National Hydel Power Corporation
- Indian Oil Corporation Limited
- Bhabha Atomic Research Centre
- Delhi Metro Rail Corporation
- Bharat Petroleum Corporation Limited
- Nuclear Power Corporation of India Limited
- Oil and Natural Gas Corporation
- ABB - Asea Brown Boveri
- Reliance Energy
- Jindal Steels • J K Tyres
- Tata Motors



- Bajaj Electricals • Crompton Greaves
- Kirloskar • Cummins
- Schneider Electric
- General Electric
- JP Power Ventures • VISA STEEL

## RESOURCES

The Electrical Department is well equipped with many labs and experiments covering the entire syllabus namely basic

- Electric Engineering Lab
- Electric Machines Lab
- Electrical Measurements Lab
- Network Analysis Lab
- Simulation Lab
- Microprocessor Lab
- Power Electronics Lab
- Control Systems Lab
- Power System Lab
- Electric Drives Lab
- Electrical Workshop Practice

- Electrical Vehicle Lab
- Renewable Energy Lab
- Renewable Energy Systems Lab
- Smart Grid Lab
- Electrical Vehicle Technology Lab
- Energy Storage Systems Lab

## RESEARCH AREAS

- Industrial Systems & Drives,
- Electric Machines, Power Systems,
- Power Electronics,
- Congestion Management.





# MECHANICAL ENGINEERING

Mechanical Engineering is one of the core branches of engineering. It practically interfaces with all other branches of engineering and technology. The knowledge of Mechanical Engineering is required for planning, designing, manufacturing, transportation, servicing and maintenance of all other engineering products. The branch, therefore, has continuous demand whether the product is an electrical or electronic gadget, consumer item, and computation or communication devices. The Mechanical Engineering has a major role in automobile, aviation, production, power generation, mining and refineries, oil gas & petroleum exploration techniques, etc.



*"Doubt everything. Find your own light."*

- Lord Buddha

The course curriculum of undergraduate programme of Mechanical Engineering includes fundamentals of thermodynamics, heat and mass transfer, energy conversion systems, refrigeration and air conditioning, fluid mechanics, fluid and turbo machinery, kinematics and dynamics of machines, machine design, modeling and simulation, material science, CAD/CAM with ANSYS and SolidWorks Software, Additive Manufacturing Lab with 3D Printer, tool design, manufacturing methods, production process, production planning and control, CNC machines, automobile, industrial engineering and management, tribology, and aspects of machinery, vibration and maintenance, mechanics and strength of materials.

## PROGRAMME OFFERED

- **B.Tech./B.Tech.(H) Mechanical Engineering (Mechatronics)**

## UNIQUENESS

The department right from the inception has been offering undergraduate and advanced studies under all the broad field of Thermo-Fluids, Materials and Design, Manufacturing Sciences and Robotics. The current areas include computer aided design techniques, computer aided manufacturing, flexible and robotic manufacturing systems, intelligent machines and systems, computer graphics, precision engineering, automation, advanced machining methods and materials. The latest CNC lathe machine has also been installed in the departmental workshop including Additive Manufacturing Lab with 3D Printer, UTM and hardness testing machines.

## MoUs

- EduSkills
- Celonis
- Alteryx
- AWS Academy
- Palo Alto
- Microchip
- Microsoft
- Xtrude Engineers Pvt. Ltd.
- Nugatory Inherits Luminescence Technologies Pvt. Ltd.
- Service Now
- Fluid Controls Pvt. Ltd.
- Renewable Energy Society of India (RESI)
- Autodesk
- Dhiyotech Private Limited, Bhopal
- Fachhochschule des Mittelstandes Bielefeld, Germany

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

The career options knows no bounds for Mechanical Engineers in fields of design and development, production, maintenance, production planning and control, sales, valuation are wide open in all private industries, PSUs and government enterprises. The data reveals that growth and success probability in career is more for mechanical engineers. The mechanical engineering graduates have ample placement opportunities.

- Almost every industry needs more mechanical engineers than engineers in their specific branch.
- The branch that gives you the widest security of job. There are more than 80000 types of jobs available for mechanical engineers.

The leading sectors requiring mechanical engineers are automotive, energy, oil and gas, commercial and consumer products, construction equipments, defence, armed forces, business circle, aerospace, power generation, nuclear, alternative fuels, utility companies, chemical and environmental industries, pharmaceuticals and health care, bio medical, sports equipment manufacturing etc.



## MAJOR RECRUITERS

- General Motors • HONDA • TOYOTA • ONGC
- Indian Oil • Reliance • Shell • Esso • Godrej
- Visa steels • AIS glasses • Thermax • JK tyres • Unilever • DLF • L&T • ABB • BOSCH • SIEMENS • NTPC • BHEL • GAIL • SAIL, etc.

## RESOURCES

The department of mechanical engineering has well equipped workshop and labs of thermo dynamics, heat and mass transfer, energy conversion systems, refrigeration and air conditioning, fluid mechanics, fluid and turbo machinery, kinematics and dynamics of machines, machine design, graphics, CAD/CAM with ANSYS and SolidWorks Softwares, Additive Manufacturing Lab with 3D Printer, internal combustion engines, automobile, metrology and measurement, and vibration engineering. Additionally the department has a functional CNC machine shop used extensively for students' training and projects. Students get the facility to study from online platform like LMS. Furthermore, Department is associated with

university library which also has an extensive collection of engineering textbooks, journals, and other resources both In print and online.

## RESEARCH AREAS

ITM University Gwalior carries out original research of significance in the cutting edge areas under Mechanical Engineering. Besides research, it also imparts training for students to make them competent and motivated professionals to face industry challenges. The institute not only celebrates freedom of thoughts, cultivates vision, encourages growth but also inculcates human values and concern for the environment and the society.

The current research areas are in the fields of Thermal, Design, Production and Industrial Engineering along with Automobile and Petroleum Engineering. The quality research papers have been published by the faculty members in leading international journals and several papers have also been awarded as the best technical papers of the year.



# COMPUTER APPLICATIONS

The department is successfully meeting the objective of producing skilled manpower of the highest quality who are able to cope with challenges the ever evolving industrial needs of the country, the basic intent of the school is to impart quality education at undergraduate, Postgraduate and doctoral research levels.



*"Chance favors the prepared mind."*

- Louis Pasture

The institute has well equipped labs, multimedia classrooms and large warehouse of books, articles, magazines in library to have maximum knowledge opportunity. The School believes in innovative teaching learning process supported by advanced curriculum developed by experts from IIT's, and leading Universities of the country in consultation with professionals from industry and research organizations.

## PROGRAMMES OFFERED

- **BCA**
- **MCA**

## UNIQUENESS

- To boost the overall performance of student ITM University Gwalior has implemented Activity based continues assessment model (ABCA). In this model students are involved in various technical activities such as Project development, poster presentations, seminar, case study, open book test, quiz and research article writing
- To programmed and coordinate the overall performance, a certain number of students are assigned to a Faculty member who is called their Faculty Advisor/Mentor.
- Grade system used for results to minimize the stress level of the students.
- Elective courses that bridges the gap between industry requirements and academia.
- Projects based on elective courses so as to develop expertise in one specific area.
- Communication skills orientation and personality development programmes are incorporated in the scheme of examination to make that course compulsory.
- Hands on experience in most of the courses of computer applications so as to impart practical knowledge in the relevant field.

- Research based dissertation in final semester to expose the students to recent developments in their field of interest under the guidance of competent faculty members. Also guide students in planning their courses of study and for getting general advice in academics.

## MoUs

- One Planet Research (OPR)
- Oracle
- Beyond Boundaries
- CETPA
- RedHat
- Shreyanshi Consultancy
- FACE
- Allsoft Solutions
- Sinros Pvt. Ltd.
- TPC Global
- Infosys
- TPC Global
- DreamUny Education Pvt. Ltd.
- CISCO
- FPTU, Vietnam for student and faculty exchange program
- DOC Systems
- EMC2
- Safeducate Learning Pvt. Ltd. Sap India Ltd.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

The courses offered in the school are aimed at preparing students for a career in any of the main areas of computer science/applications where they can put to practice the knowledge acquired during the study. Our students have been placed in companies like TCS, Mphasis (EDS), Hexaware, Infosys, Torry Harris, Persistent, Accenture, Libsys, Amdale, HCL, Unilogic, Applabs, Zensar, Syntel, and Shriram Value Services Pvt. Ltd., Wipro, Satyam, IBM, Mahindra. Students can also apply in various government and private sectors for getting a chance at placement in banking sectors, civil services etc.

## COMPUTER APPLICATIONS

## RESOURCES

- Well-equipped labs & multimedia classrooms.
- Every classroom & lab having LCD Projector.
- All classrooms are breezy and nature friendly.
- Licensed Software's.
- Campus agreement with Microsoft Corporation for use of all its softwares.
- High Server Configuration.
- 40 MBPS lease line internet connection capacity available in Labs.
- Having enough power backup facility upto 100 KVA.

## CO-CURRICULAR & EXTRACURRICULAR

- Guest Lecture conducted by Mr. Aman Sharma, Vayam Technologies Ltd., New Delhi on "Forensic Science" on September 15, 2018
- Expert Lecture by Dr. Rajesh Doriya NIT, Raipur, Chhattisgarh on "Introduction to AI and Cloud Robotics" on Jan 28, 2019
- Expert Lecture by Dr. Ram Shringar Rao, AIACTR, New Delhi on "Cloud based Vehicular Adhoc Networks" on Jan 29, 2019
- Expert Lecture by Dr. Vinod Kumar Jain, from IIITDM, Jabalpur on "Functional Dependencies and Normalization in DBMS" on Feb 13, 2019
- Industrial visit of students to Chandigarh and during March 15-20, 2019 to Indivar Software Solution and Unimax Software Solution.

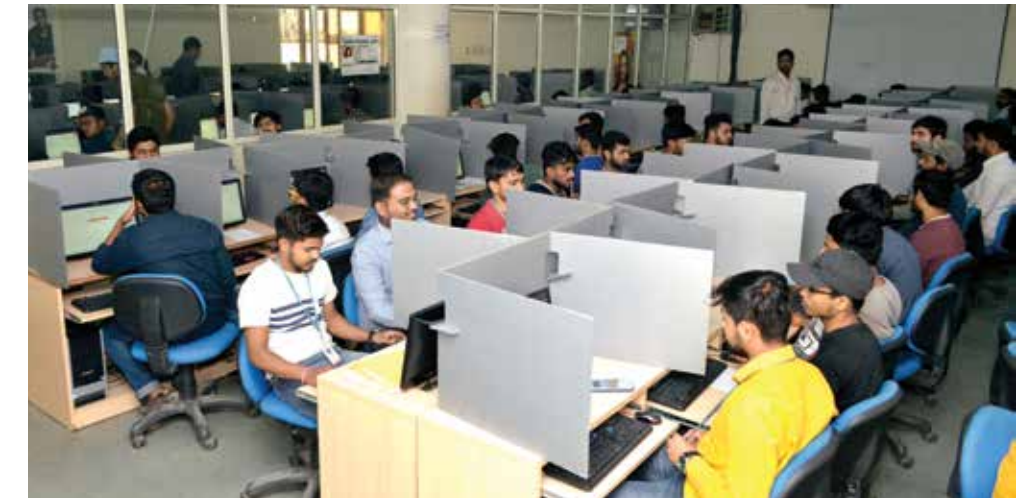
- 10 days Certificate Course on web component development using PHP during March 26 to 03 April 2019 by Mr. Neeraj Goyal.
- One day workshop on website development and multimedia on January 21, 2019

## RESEARCH AREAS

- Cyber Forensics and Security
- Machine Learning
- Soft Computing
- Wireless Sensor Networks
- Mobile Adhoc Networks and Vehicular networks
- Big data analytics
- Image and Video Processing
- Data and web Mining
- Network Security
- Cloud Computing

## CERTIFICATE COURSES

- Cyber Forensics and security
- Programming in C
- Playing with pointers in C
- PHP
- .NET Programming
- Java Programming
- Python





# BUSINESS MANAGEMENT

The ITM School of Management, a leading business school in Central and North India, has received the highest ratings for its outcome-based academic programs, state-of-the-art infrastructure, rich academic resources, continuous evaluation system, project-based learning, and global outlook. The primary intent of the B-school is to impart quality management education at undergraduate, postgraduate and doctoral research levels and to foster socially, ethically, and globally responsive professionals. The courses offered by the school adhere to NEP 2020 and emphasize flexibility and transparency in education. SOM is the only B-School in India to achieve a flawless 250/250 score, achieving the prestigious Platinum from QS I- Gauge. The B-School has been Ranked at 32nd Position by NIRF and ranked at 13th Position amongst the Top 100 B-Schools in India. School of Management was ranked 2nd in Madhya Pradesh (OUTLOOK,2021) and ranked among the top 100 Business Schools in India (IIRF,2023). Further, The Centre of Excellence (CoE) at the School of Management ITM University, is dedicated to achieving excellence in education with well-planned strategies in teaching, research and development, and training and placement. The centre also facilitates interaction and mutual exchange of ideas among faculty, students, and industry experts.



*“The Sun, with the planets revolving around it, and depending on it, can still ripen a bunch of grapes as though it had nothing else in the Universe to do.”*

- Galileo

Our programmes are an excellent showcase of flexibility, predictability, and transparency. All our academic programmes are based on a system of credits- generally guided by ECTS (European Credit Transfer and Accumulation System) as a proper means of promoting the most widespread student mobility. ITM School of Management has been Ranked at 32nd Position by NIRF (National Institutional Ranking Framework, MHRD, Govt. of India in April 2016) and ranked at 13th Position among the Top 100 B-Schools in India in terms of “Intellectual Capital, Physical Infrastructure, Interface and Placements” (By Career Connect, February 2016, Vol.- 4, Issue-6).

### Centre of Excellence

The courses in School of Management are designed under the mentorship of Veteran Prof. N. Ravichandran, Former Director, IIM Indore.

### PROGRAMMES OFFERED

- **BBA/BBA (Hons./Research)**
- **B.Com./B.Com. (Hons./Research)**
- **MBA (Dual) HR, Finance, Marketing**
- **MBA (Agribusiness)**
- **MBA (Data Science)**

### UNIQUENESS

- Dual Specialization with options in Marketing, Finance, HRM, and International Business.
- Rich curriculum designed by renowned Industry members and experienced faculties from reputed Institutions like IIMs/IITs etc.
- Distinctive blend of core courses, specialized electives, workshops, projects, field studies and dissertations. Our programmes are an excellent showcase of flexibility,

predictability, and transparency. All our academic programmes are based on a system of credits- generally guided by ECTS (European Credit Transfer and Accumulation System) as a proper means of promoting the most widespread student mobility.

- Trimester-based process of rigorous teaching-learning.
- Flexible Programmes with a choice-based credit system.
- Case Based Pedagogy, wherein, popular cases from Harvard/Darden/Ivey etc. are used in imparting in-depth knowledge of the subjects.
- Workshops on SPSS, E-Views, Marketing Engineering, Compensation Planning, Business drafting, Entrepreneurship, Managerial Computing using MS Excel, Financial Modelling through Spreadsheets, Leadership etc.
- Quality teachers with doctoral degrees and rich research exposure at prestigious institutions like IIMs, ISB and International Business Schools like Harvard etc.
- Good blend of faculties with robust academic credentials and rich industry exposure.
- Fully equipped modern classrooms with LCD projectors; Wi-Connectivity.
- Modern facilities like Seminar halls with a combined seating capacity of more than 800 for the conduction of events like MDPs, FDPs, Workshops, National and International Seminars and Conferences etc.

### Licensed Softwares

- SPSS, E-Views, Tally ERP, Python, SAS, AMOS, Smart PLS, R and MATLAB

### CAREER OPTIONS & PLACEMENT OPPORTUNITIES

The School of Management opens up a wide range of career opportunities across various industries. Here are some popular career paths for MBA graduates: Consulting, Finance, Marketing, Operations and Supply Chain Management, Human Resources,



Entrepreneurship, Technology, Healthcare Management, Nonprofit and Government, General Management, Real Estate, Education Management, Retail, Hospitality and Tourism Management, Corporate Strategy, Business Development Manager, Mergers and Acquisitions Analyst etc.

### MAJOR RECRUITERS

Kent RD, Airtel, Axis Bank, HDFC Bank, Naukri.com, Safeducate, DICT, Money Capital Height Research, Safexpress, Jaypee Infratech, Grofers India Pvt. Ltd., Info Edge, Career Mantra, JeevanSaathi.com, Epic Research, S&P Capital IQ, PwC, Asian Paints, iResearch Services, Universal Hunt, 99acres.com, ICICI Securities, Nielsen, Pepperfry, Gojavas, Satin Credit Care, FedEx, HCL BServ, Fusion Microfinance, Trifid



Research, IndiaMART, InterMESH, etc.

### ACADEMIC ACTIVITIES

- FDP on Publishing International Journals
- Workshop on HR Analytics
- FDP on Publishing International Journals
- Workshop on Social Media Marketing with a Special Focus on LinkedIn
- Workshop on Design thinking in HR
- Bridge Course on Financial Management
- Workshop on Leadership Skills
- Innovation Summit
- Workshop on Research Methodology Using SPSS
- Workshop on Business Simulation
- International Conference on Transforming Business Practices in Changing Global Economy: Strategies for Business Resilience



# PHARMACY

The School of Pharmacy, a premier School of ITM University Gwalior (MP), was established in 2012 offering quality education and research in Pharmaceutical Science. School of Pharmacy is committed to providing an accredited pharmacy degree that incorporates the best professional experience and learning environment with the highest standards of academic excellence, promoting high levels of student achievement. The syllabus remains in total sync with the regulations of the Pharmacy Council of India. For the overall development of our students, we have incorporated NEP 2020, Project-based learning and Activity-Based Continuous Assessment, where the student is made to participate in various individual or group activities and projects in each subject and submit the assignment to the faculty. Several such activities being evaluated continuously add up to their progressive evaluation mark incorporated into their grade improvement factors. Moreover, we believe in value education that teaches important principles and ethics, fostering responsible, compassionate, and ethical individuals.



*"It is surmounting difficulties that makes heroes."*

- Louis Pasteur

The School of Pharmacy is offering Bachelor Degree course in Pharmacy (B. Pharm.), a two-year Diploma in Pharmacy course and Master of Pharmacy with specialization in Pharmaceutics. Doctorate in Pharmaceutical Sciences by research, is also being offered. The school has a carefully designed, regularly updated curriculum with industrial orientation which emphasizes on cutting edge technologies in pharmaceutical field and their industrial applications. The school has state of art infrastructure, laboratory and well qualified faculties with strong motivation for Research and Development.

## PROGRAMMES OFFERED

- **D.Pharm.**
- **B.Pharm.**
- **M.Pharm. (Pharmaceutics)**
- **Ph.D.**

## UNIQUENESS

- Carefully designed, regularly updated curriculum with industrial orientation which emphasizes on current trends and technologies in pharmaceutical field and their industrial applications.
- The school employs highly skilled faculty members who combine in-person and virtual training with their substantial research backgrounds to deliver top-notch instruction.
- The institution's dedication to innovation, expansion, and staying ahead of the quickly changing technical landscape is demonstrated by the R&D cell of the department, which focuses on cutting-edge fields in pharmaceutical sciences.
- Outstanding internships and a stellar track record of placements in both domestic and international industries.
- Collaborative learning environments are

fostered by offering students practical experience and a deeper knowledge of diverse subjects through interactive lab work with hands-on sessions by experts.

## CONCEPT OF ACTIVITY BASED LEARNING

ITM University is the first to adopt the Activity-Based Continuous Assessment System in M.P. which is being implemented at IITs, IIMs, and among the best universities of the world. The major components under ABCA in our School of Pharmacy include Application Based Activity, Projects, formulation development, Case Writing, Review of Literature, Seminar, Quiz, Poster, Open Book Test, Quiz and Assignments, etc. We have also developed a unique culture to give prizes for the best individual and group ABCA activities to boost the students.

## AUGMENTATION OPPORTUNITIES AVAILABLE IN THE DEPARTMENT

- The TAP cell of the university conducts regular programs for the training and Augmentation of our students that goes a long way in grooming them with etiquettes and interview facing skills besides offering technical training programs conducted experts from the industries
- As per PCI norms, students get a minimum of 1-month industrial training prior to the completion of B.
- The School of Pharmacy collaborating with different pharmaceutical industries for Industrial visit/training/placements. Agreements with prominent pharmaceutical companies in Himachal Pradesh for direct placement of bright students in manufacturing and Analytical sector.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

Pharmacy is a versatile, dynamic, growing and increasingly diverse profession, which has created many job opportunities in the following areas:

**Academia and Research:** PhD and M pharm candidates can pursue careers in academia by working in pharmacy schools or colleges as educators, researchers, or administrators. Pharmaceutical Industry: Production, R&D, QA, QC etc.

**Govt Job :** A large number of Pharmacist opportunities come from National Rural Health Mission, AIIMS, Indian Army, Railways etc Jobs in Pharmacies

**Pharmacy Practice:** A Pharmacy graduate can practice the profession of pharmacy in Pharmacies , in hospitals or privately.

## MAJOR RECRUITERS

Cipla Pharmaceuticals • Cadila • Pulsus Healthcare • Ranbaxy • Aventis Pharma • Glenmark • Pfizer • Macleod's Pharma • Alembic Pharma • Lupin • Teva API, Intas Pharmaceuticals, IPCA Laboratories, Stemcyte India Therapeutics, QG Healthcare, AB7 Solutions, Pulsus Healthcare, Pharmalane UK.

## RESOURCES

- Well equipped laboratories and Computer Lab.
- Central library with more 13000 books, journals and e-journals
- Central instrumentation facility with sophisticated instruments like FTIR, HPLC, GC, UV-Vis Spectrophotometer, Fluorescence spectrophotometer, 1 KW Ultra Sonicator, Ultra-Pure water purification unit - DQ3 Millipore, Emulsifier, Stability chambers, Brookfield's Viscometer, Rotary tablet press, 8 station dissolution tester, Electrolab disintegration tester, hardness tester, tap density tester, friability tester, well established tissue culture lab and CCSEA approved animal house facility for conducting experiments on small animal.

## RECENT EVENT

School celebrated world pharmacist day on 25

September on theme, "Pharmacy strengthening health systems" ignited the imagination of these budding pharmacists, who eagerly formed teams to bring their visions to life. To celebrate this day, various events like: health check camp, competition, Label making competition, Poster competition, and Treasure hunt, were organized in the school of pharmacy ITM University campus. Students showed great enthusiasm to be a part of various events and enjoyed it.

## RESEARCH EXPERTISE

The school holds expertise in the field of Nano drug delivery systems, Extraction, isolation and screening of phytomolecules of pharmacological importance in Cancer, Diabetes and Computer aided Drug Design in the nascent stage. Search for natural polymers, Excipient Research, Hydrogel Technology is also in progress.





# NURSING SCIENCE

The Institute of Nursing Science Studies and Research (INSSR) is one of the oldest Institutes of the Gwalior region which was started in the year 2002. However, INSSR has come under the umbrella of ITM University Gwalior since the year 2011. The Institute is approved by the Government of Madhya Pradesh and is a recipient of accreditation from the Indian Nursing Council and State Nursing Council. The INSSR offers bachelor's and master's programs in nursing science, striving to achieve the noble aim of nursing education through its stated objectives. These objectives are implemented during the training of future nurses, imparting knowledge of the techniques and methods used in nursing practice, making students understand the intricacies of nursing care, and developing the skills and necessary aptitudes for planning and implementing comprehensive nursing care. INSSR has full-fledged laboratories and a highly advanced simulation lab, which can elevate hands-on experience to the next level. The School of Nursing makes ITM University the perfect platform for extensive health care research.



*"There is no end to education. It is not that you read a book, pass an examination, and finish with education. The whole of life, from the moment you are born to the moment you die, is a process of learning."*

- Jiddu Krishnamurti

The INSSR endeavours to achieve the noble aim of nursing education through clearly stated objectives which are being implemented during the training of the prospective nurses, imparting the knowledge of the cardinal principles of the techniques and methods used in nursing practice, making the students understand the intricacies of nursing care, developing skills and necessary aptitude for planning and implementing comprehensive nursing care.

## PROGRAMMES OFFERED

- **B.Sc. (Nursing)**
- **M.Sc. (Nursing)**

## UNIQUENESS

- The program uses a wide range of critical thinking skills in making decisions while providing quality client care.
- The school offers the latest trends and technology in providing health care.
- The school conducts Need Based Research studies in various settings to improve the quality of care.
- The School of Nursing provides Promotive, Preventive, and Restorative health services in line with the National Health Policies and Programmes.
- The program incorporates a wide range of interactive and innovative clinical methodologies like simulation lab to uphold the Standard of the students.
- The School provides sufficient room for students to exhibit their Leadership qualities and function effectively as Nurse Educators and Managers.
- The Institute of Nursing Science Studies and Research (INSSR) has a 300-bed super specialty hospital with NAAC accredited.

## MoUs

- Mansik Arogyashala, Gwalior
- J A Group of Hospital, Gwalior
- District Hospital Morar.
- Community Health Center Bhitwar.
- District Hospital Dabra
- Dist. Hospital, Hajeera
- Primary Health Center, Thatipur, Gwalior
- Primary Health Center, Antari, Gwalior

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

### Clinical Areas:

Independent Nurses Practice • Certified Nurse  
Independent Nurses Practice • Certified Nurse  
Midwife • Certified Paediatric Nurse • Acute Care  
Nurse Practitioner • Advanced Nurse Practitioner  
• Nurse Administrator • Nurse Anesthetist •  
Nurse Practitioner • Staff Nurse • Entrepreneur  
• Military Nursing • Nursing Informatics • Nurse  
Researcher • Cardiac Rehabilitation Nurse •  
Occupational Health Nurse • Aerospace Nurse  
• Forensic Nurse • Nurse Epidemiologist • Tele  
Nurse • School Health Nurse • Nurse Advocate

### Education

Clinical Nurse Educator • Staff Development  
Officer • Classroom and Clinical teacher • Nurse  
Researcher • Nurse Educator • Nurse Director •  
Nurse Editor • Nurse Counsellor • Nurse Manager

## MAJOR RECRUITERS

The passed out students are placed in different well-known national and international health industries which include hospitals, schools and colleges in different posts.

### National

Apollo hospital • Escort Hospital • Fortis Hospital  
• SAIMS Hospital, Indore. • Birla Hospital, Pune  
• Wockhart Hospital • Reliance Paediatric Hospital,  
Mumbai • Max super-specialty Hospital, New  
Delhi • Sanjay Gandhi Post Graduate Institute,  
Lucknow • Medanta Hospital, Gurgaon.



### International

Australia • The UK-London. • Middle East  
Countries • The USA

## RESOURCES

Fully equipped different laboratories of nutrition, fundamental of Nursing, MCH, Science, Community Health Nursing are available.

- Nursing Foundation Including Adult Health Nursing & Advance Nursing Lab.
- Community Health Nursing & Nutrition Lab
- Obstetric and Gynecological Lab
- Child Health Nursing Lab
- Community Health Nursing Lab
- Pre-clinical Nursing Lab
- Computer Lab
- A V Aids Lab
- Advanced Skills Lab

## RESEARCH AREAS

Faculty members are working in the following research areas :

- Studies on Emotional Intelligence on Staff Nurses.

- Breast feeding Techniques on rural mothers.
- Study to assess knowledge regarding small family norm among rural people.
- Behavior problems of pre school children.
- Pain management among cancer patients
- Study on Occupational Hazards on laborers.
- Exploratory Research to Identify Risk factors of CAD among students
- Structured teaching programme on Breast Self-Examination for female students
- Attitude of Indian Female on Pink Tax.





# AGRICULTURE

The School of Agriculture of ITM University Gwalior was started during the year 2013, looking to the ample scope of agricultural development in the nation. The School is accredited with Indian Council of Agricultural Research (ICAR), New Delhi and offers various undergraduate and postgraduate degree programs. The undergraduate programs are completely aligned with V Deans' committee report while the postgraduate programs have been aligned with "Restructured and Revised Syllabi of Post-graduate Programs" finalized by BSMA (BSMA) Committees to comply with various provisions of National Education Policy-2020. The programs under the school have completely updated and structured to include the courses pertaining to discipline specific and generic elective, ability enhancement courses, skill enhancement courses and value-added courses to inculcate the entrepreneurial skills, managerial skills, critical thinking, communication skills, human values and ethics and the desired program outcomes.



*"The ultimate measure of a man is not where he stands in moments of comfort, but where he stands at times of challenge and controversy."*

- Martin Luther King, Jr.

Agriculture is the main source of livelihood for over 80% of the rural people in India. Although it employs about 50% of the labour force, it contributes to only 16% of GDP and 12% of total exports. Rural women, who constitute 47% of the agricultural work force, are amongst the least paid workers. Any effort of poverty reduction and economic development must address the problem being faced by the agricultural sector and turn the challenges into economic opportunities for the poor.

The school lays emphasis on providing exposure to the students by designing study tours, site visits, organizing guest lectures and workshops as an integral part of its academic curriculum. The studio-based interaction is the mainstay of the course.

The School of Agriculture actively supports and organises student activities such as NASA conventions and student competitions.

## PROGRAMMES OFFERED

- **B.Sc. (Hons) Agriculture**
- **B.Sc. (Hons) Horticulture**
- **M.Sc. (Ag) Agronomy**
- **M.Sc. (Ag) Genetics & Plant Breeding**
- **M.Sc. (Hort.) Vegetable Science**

These programmes involve a very rigorous academic and skill oriented practical knowledge transfer, along with opening a window with agriculture know- how through various courses planned with different agro-ecological situations and regional variation. Major thrust is given to include the course curriculum and syllabus as per V Deans' Committee Recommendation of Indian Council of Agricultural Research (ICAR), New Delhi. The courses of personality development and professional capabilities are also imbibed in

the curriculum to make the student well versed in techniques of presenting their knowledge and skill in efficient manner to deal with the concerns of sustainable development of agriculture in all the aspects.

## UNIQUENESS

India achieved spectacular agricultural growth since 1966, after advent of the Green Revolution. The increase in food grain production from a meager 51 million tonnes in 1950 to about 277.49 million tonnes as per 2nd advance estimate in 2017-18 is remarkable achievement unparalleled in the history of world agriculture. Similar enhancement in production of Milk (9.5 times) Fish (12.40 times) Oilseeds and Fruit & Vegetables (9.5 times) has also been observed. White, Blue, Yellow and Golden Revolution respectively have been responsible for bringing prosperity in the farming community. The cradle of this success beside government policies and high receptivity of the farming community has been the establishment of institutions of higher agriculture education. These institutions developed a new breed of skilled human resources who were instrumental in not only generating new technologies but also in their assessment, refinement and dissemination to the farming community. The School of Agriculture of ITM University Gwalior was started during the year 2013, looking to the ample scope of agricultural development in Madhya Pradesh. Initially Graduation (B.Sc. (Ag.) / B.Sc. (Ag.) Hons.), Post graduation (M.Sc. (Ag.) in Agronomy and Horticulture) and Ph.D. courses were started with total intake of 231 students in B.Sc. (Ag.) / B.Sc. (Ag.) Hons. and 27 students in Agronomy and 12 Students in Horticulture. At present the total strength of School of Agriculture is 828.

## CAREER OPTIONS & PLACEMENT OPPORTUNITIES

There are tremendous career opportunities in Agricultural services at national level through Agricultural Scientist Recruitment Board (ASRB),

Provincial Agricultural Services (PAS) through State Public Service Commission as District Agriculture Officer (DAO), Soil Conservation Officer (SCO), District Horticulture Officer (DHO), Plant Protection Officer (PPO), Extension Officer and other Subordinate services. Besides, there is an ample scope in this field of Agriculture especially - Fertilizer, Agro-chemical, Biopesticide, Post Harvest Technology, Rural industries and Research & Development and Banking Sectors. There is also an urgent need of agriculture graduate as entrepreneur in village based services such as diagnostic laboratories, Advisors on new innovation, markets and development officer in Corporate and contract farming.

• **Technical competence Acquired:** School of Agriculture has experienced faculty in the field of Agricultural and Allied sciences. The field of expertise of the faculty is in the Soil science & Agril. Chemistry, Agronomy, Horticulture, Genetics & Plant Breeding, Plant Protection, Agricultural Economics, Agricultural Extension, Agro-forestry and Basic Sciences etc. The school is trying at it's level best to develop the skill oriented sets of teaching, research and extension as per specific needs of the students and farming community of M.P.

• **Augmented Opportunities available in the department:** MoUs with M.S. Swaminathan Research Foundation, Chennai is already done and MoUs with Indian Grassland and Fodder Research Institute, Jhansi, Regional Potato Research Station, Gwalior and Central Institute of Sub-tropical Horticulture are under process. Diploma courses of one year are also offered for entrepreneurship development of rural youth.

• **Training offered:** For the entrepreneurship development of Rural Youth in Organic Farming, Hi-tech Agriculture, Seed Production Technology, Nursery Raising and Management of Horticulture Crops are already in progress.

## RESEARCH AREA

Research areas are proposed in the field

of Agronomy and Horticulture with special reference to varietal development, package and practices, Integrated Nutrient Management, Integrated Pest Management, Integrated Weed Management, Protected cultivation of Horticultural and Vegetable Crops, Integrated farming system.

## RESOURCES OF THE DEPARTMENT

Experienced Faculty in the field of Soil Science, Agronomy, Plant Pathology, Entomology, Horticulture, Genetics & Plant Breeding, Agricultural Engineering, Agricultural Economics, Agricultural Extension, Agricultural Biochemistry, Plant Physiology, Entomology and other Basic Sciences are already available with the School of Agriculture.

## INFRASTRUCTURAL RESOURCES

School of Agriculture is situated at present in Sithouli Campus, running in VSB Block along with basic amenities such as 50 hectare Instructional Farm, Laboratory, facilities for Library, Sports and Recreation for all-round personality development of the students.





# SPORTS EDUCATION

Physical Education & Sports Science is one of the fast emerging academic disciplines in the education stream and today a large number of institutes are offering a variety of programs in the field of Physical education and Sports. Professional competence and expertise in Sports sciences is the order of the day. The School of Sports Education at ITM University is committed to groom its teachers to be well-prepared practitioners in the field of physical education, sport science and sport pedagogy. We provide our trainee teachers with the most contemporary knowledge; inculcate and infuse them with the right attitudes and values. Along with strong professional preparation the mission of the school is also to excel in research and become leaders in Physical education and Sports. The main purpose of establishing the Bachelor of physical education& sports (BPES) was to uplift the standard of physical education and sports and to produce the best leaders to make the nation fit and healthy. Physical education is a unique discipline which is included in school/ college curriculum as it is the only program that provides students opportunities to develop a holistic personality i.e. physically fit, mentally alert, socially outgoing, emotionally stable and ethically sound. They will also learn motor skills and gain an understanding of physical activity and its benefits.



*"We are what we repeatedly do.  
Excellence, therefore, is not an  
act but a habit."*  
- Aristotle

The School of Sports Education (SOSE) at ITM University is committed to groom its teachers to be well-prepared practitioners in the field of physical education, sport science and sport pedagogy. We provide our trainee teachers with the most contemporary knowledge; inculcate and infuse them with the right attitudes and values along with strong professional attitudes. The mission of the School is also to excel in research and become the leader in Physical Education and Sports.

## PROGRAMMES OFFERED

- **Bachelor of Physical Education & Sports (BPES)**
- **Master of Physical Education & Sports (MPES)**
- **Bachelor of Physical Education (BPED)**
- **Postgraduate Diploma in yoga (PGDYL)**

## UNIQUENESS

- Sports Scholarship/Free ships/Merit Scholarship.
- International collaboration with various Association and Federations.
- Direct Participation in West Zone and All India Intersity Competitions.
- Job opportunities through campus interview.
- Professional Clubs of various major games and fitness as well.
- Collaboration with various Universities at National and International level.
- SC/ST/OBC admission/scholarship as per M.P. Government Norms.
- Practical knowledge through internship program in the areas of physical education and sports.

## ACHIEVEMENTS

ITM University Gwalior has achieved many national and international landmarks in various sports and games. Ishika Choudhary, an ITM University student has represented India in the Youth Olympics held at Argentina and the team won a Silver Medal. Our university women's hockey team, floorball (men and women) team has won the gold medal in the AIU competitions and silver medal in roll ball (men and women). Two of our students Abhishek Bhandari and Ravi Sikarwar were selected to represent West Zone University in the VIZZY Trophy Cricket Tournament organized by BCCI. Our student Simran Narang won the bronze medal in the AIU Fencing Competition and has been selected to represent Indian University Team in the World University Games. Rani Rana another student won the Bronze medal in the AIU Wrestling Competition 2018-19. The university floorball team men has won the Senior National and Federation Cup 2018-19.

## CAREER OPTIONS

The aim of physical education is to develop students' physical fitness and gain knowledge of movement and safety, and to be able to use these to perform in a wide range of activities associated with the development of an active and healthy lifestyle. All the degrees offered are well acknowledged and highly respected and lead to a variety of careers.

The degrees are oriented towards developing the characteristics of teamwork and help individuals to develop important interpersonal and communication skills, with stress on critical thinking. Various job opportunities are available for sports and physical education professionals. Career opportunities in the area of Physical Education and sports are:

- Physical Education Teacher/Asst Professor in schools, institutions and universities worldwide
- Coach for clubs/teams
- Sports Manager, Sports Journalist, Spa/ Fitness managers

## PHYSICAL EDUCATION

- Sports rehabilitator, Health care and Sports clubbing
- Physical Instructor for children and geriatric fitness
- Adapted physical education teacher

## RESOURCES

- Gymnasium with ultramodern sports facilities as Multi Gym, Squash Court, Billiards Room, Badminton Court, Weight Training, Table Tennis Hall, Recreation Hall, Rehabilitation Center and yoga hall
- Cricket Ground with latest equipments and 07 turf wickets
- Football Ground • 400 Meters Track
- Basketball Courts • Handball Courts
- Volleyball Courts • Kho – Kho Field
- Kabaddi Courts • Tennis Courts

## RESEARCH AREAS

- Exercise Physiology
- Sports Psychology
- Sports Biomechanics
- Sports Medicine
- Health Education
- Yogic Sciences, Fitness and Wellness
- Sports Management



Selected for Indian Junior Women's Hockey for International Hockey Game at Belgium, Germany and Netherlands.





# SCIENCES

Dedicated to fostering a profound understanding of scientific principles and their practical applications, the School of Sciences offers a diverse array of disciplines, including Bio-Technology, Microbiology, Food Technology, Mathematics, Physics, Chemistry, Environmental Science, and Forensic Sciences. At the heart of our mission lies a commitment to delivering education that aligns with contemporary scientific challenges and employment demands. School of Sciences proudly houses the P.C Ray Center for Interdisciplinary Research, a hub of innovation and collaboration where scholars from various scientific disciplines converge to explore new frontiers of knowledge. Through interdisciplinary research initiatives, the P.C Ray Center fosters cross-pollination of ideas, catalyzing breakthroughs that transcend traditional boundaries and address complex societal challenges. Furthermore, we boast a Center for Research in Emerging Areas of Science, dedicated to staying at the forefront of scientific exploration. This center catalyzes pioneering research endeavours, focusing on emerging fields that hold promise for transformative advancements. By investing in cutting-edge research and nurturing the talents of our faculty and students, we remain committed to driving scientific progress and shaping a brighter future for generations to come.



*“Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family.”*

- Kofi Annan

Research activities of the school are carried out in association with various interdisciplinary laboratories that ranges from basic sciences to more specialized fields of study and investigation.

## PROGRAMMES OFFERED

- B.Sc./B.Sc. (Hons.) Biotechnology
- B.Sc./B.Sc. (Hons.) Microbiology
- B.Sc./B.Sc. (Hons.) Food Technology
- B.Sc./B.Sc. (Hons.) Forensic Science
- B.Sc. (Physics\Chemistry\Mathematics)
- B. Sc. (CS)
- M.Sc. Biotechnology
- M.Sc. Microbiology
- M.Sc. Food Technology
- Ph.D. in (Biotechnology, Microbiology, Chemistry, Mathematics, Physics, Environmental Science)

## COLLABORATIONS

**Collaborations for research and training with renowned organisations like**

DRDE Gwalior, CIAE Bhopal (Central Institute of Agricultural Engineering). IGIB, New Delhi, IARI, NDRI, IGFRI, NRCAF, BARC, CIMAP, Cadbury, Pepsico, Claris Pharma, Novartis, Dabur, Morepan, and Ranbaxy Life, Indonesia Institute of Science Jakarta (Indonesia), DRI, Ministry of education, Yangon (Myanmar ) Life Senz, CAFRI.

## Research funding by Govt. organisations

The school has been funded by AICTE/ MPCST/DST for various research projects on Nanoparticle synthesis and characterization, Recently a trilateral Project under ASEAN - India Collaborative Program has been funded with collaborative countries Indonesia and Myanmar

## CAREER OPTIONS AND PLACEMENT OPPORTUNITIES

Placements are provided through campus selection in renowned Biotech, Pharmacy

companies and various Research Institute. WIPRO-VISTA, Panacea biotech SRF, Coco-Cola, Parle, Britannia, Reliance Life Sciences, Nestle, Advance Enzymes, XL Health, Zybus CadilaAhemdabad, Novartis-Ankaleshwar, Medicaps Pharma Indore, Span Diagonistics Surat, Omgene Biosciences Surat, Glenmark-Goa, Brindavan Beverages-Bareilly, SABMiller, J.B. Mangharam-Gwalior, BGB Biofertilizer-Punjab, Amrita Herbals, Premier Biosoft-Indore, Hike Education, Wayne Education, Sun Pharma, Dr. Reddy's, Jubilant Food works, Narmada Agro etc

## LABORATORY FACILITIES

- Physics Lab
- PC Ray Research Lab
- Nano Research Lab
- Plant tissue culture and Biochemistry Lab
- Microbiology and Immunology Lab
- Bioinformatics Lab
- Biotechnology Lab
- Food Technology Lab
- Botany/Zoology Lab
- Chemistry Lab
- Forensic Science Lab
- Environmental Science Lab

## EQUIPMENT

- Fourier Transform Infrared spectro photometer (FTIR)
- Fluorescence spectro photometer
- UV visible Spectro photometer
- BOD incubator
- Chemical Vapour Deposition
- Conductivity & TDS Meter
- Cooling Centrifuge
- Deep freezer (-20°C)
- Distillation Apparatus
- DNA Thermocycler (PCR)
- Electronic Balance
- Electrophoresis assembly (Horizontal & Vertical)
- ELISA Reader
- Flame Photometer
- Gaseous Pollutants Sampler
- Quality Monitoring APM



- Handy Air Sampler
- Laminar air flow
- Lux Meter
- Muffle Furnace
- Orbital shaker
- Oven Universal
- pH Meter
- pH Meter (Portable digital pH meter)
- Photo Degradation Chamber for dye Degradation
- Soil & Water Analysis Kit
- Sound Meter
- Soxhlet Apparatus
- Spin coating Unit
- Spray Pyrolysis
- Trans illuminator
- Trinocular microscope
- Binocular microscope
- Turbidity Meter
- UV-Vis spectrophotometer
- Water Bath

- Stereo zoom Microscope,
- Comparison Microscope and
- Cooling Incubator and Shaker

## RESEARCH AREAS

- **Biotechnology:** Alcohol Production from waste, Herbal product formation, Probiotics, Nanotechnology
- **Microbiology:** Biofilm formation, Bacterial degradation of industrial waste, Petroleum products, Natural pigment production from microorganisms, Bioremediation
- **Environmental Science:** Occupational health and environmental Monitoring, Biofertilizers and Biopesticides
- Organometallic Chemistry
- Organic and Inorganic Synthetic Chemistry
- Surface Chemistry
- Supramolecular Chemistry
- Nanomaterial Synthesis





- Environmental Chemistry
- Material Chemistry
- Waste water analysis and treatment
- Environment monitoring
- Mathematical Biology
- Mathematical Modelling
- Fractional Calculus
- Number theory and Cryptography
- Operational Research
- Non-Linear Singular Boundary Value Problem
- Special Functions
- Bio-informatics
- Fuzzy Set and Systems
- Fixed Point Theory
- Multi Criteria Decision Making Problems
- Nano Science and Technology
- IR detectors
- Solar Photovoltaics
- Thin/Thick Film Technology
- Nano Sensors
- Magnetic Nano structures
- Synthesis of semi conductor nano structures
- Nano composites
- Opto electronic devices and metal oxide sensors

## ANIMAL HOUSE FACILITY

The School has developed an animal house facility and constituted an Institutional Animal Ethical Committee (IAEC) with due approval from CPCSEA.

## CO-CURRICULAR ACTIVITIES

- International conference "Technology Innovation and Management for Sustainable Development" (TIMS) is being organized annually
- National conference
- Symposia/Seminars, Workshops in relevant areas
- Millennium Lecture series
- Recent Advances in Chemical and



- Environmental Sciences (RACE) is being organized annually
- Symposia/Seminars, Workshops in relevant areas

## STUDENTS ACHIEVEMENTS

After award of the degree, the students qualify for various eligibility examinations like National Eligibility Test (NET) conducted by CSIR (Council of Scientific & Industrial Research), ICAR (Indian Council for Agricultural Research) to be eligible for lectureship in research.

## UNIQUENESS

- Rich curriculum with a distinctive blend of core courses and specialized electives in line with the industry requirements
- Faculty with robust academic credentials, extensive research work and rich industry exposure
- Courses are delivered by academicians from reputed institutions like CSIR, ICMR, CCRAS, CAFRI, LifeSenz etc. Renowned Industry professionals
- Experiential learning through Project Based Learning (PBL)
- Learning through live industry projects and dissertation and their evaluation through Activity Based Continuous Assessment (ABCA)
- Case Based Pedagogy and interactions with eminent Leaders
- Excellent Internships and stellar record of final placements in national and multinational companies
- Workshops academic & Industrial visits to enhance academic and research skills- Biovision, Hands-on Training programs, CAFRI, Govt. RARI CCRAS, Ministry of AYUSH, OMCAR India Pvt. Ltd. Gwalior
- Strong Alumni support through 9000 approx. alumni association members working in

- reputed organizations and industries.
- Material characterization facilities available in PC Ray Research Centre

## P.C. RAY CENTRE FOR RESEARCH

To spearhead outstanding and quality research, ITM University has established P.C. Ray center for research. The P.C. Ray Centre has been established with following objectives.

- To Undertake state-of-the-art research in various disciplines in Science & Technology, develop synergies between various disciplines and emerge as international hub for research, development, consultancy and extension activities in science & technology.
- To Interact with industries, research laboratories, and develop international collaboration to generate new vistas of knowledge

## EQUIPMENTS OF CIF (CENTRAL INSTRUMENTATION FACILITY)

- Fourier Transform Infrared spectro photometer (FTIR).
- Fluorescence spectro photometer.
- High performance liquid chromatographic (HPLC)
- UV visible Spectro photometer.





# CONVOCATION

ITM University Gwalior annually hosts its Convocation, a prestigious ceremony marking a significant milestone for both the institution and its graduating students. This formal event celebrates academic achievement and recognizes the dedication of students, faculty, and families. For graduates, Convocation signifies the successful completion of their academic journey. It is a testament to their hard work, perseverance, and commitment to excellence. Faculty members take immense pride in witnessing the culmination of their mentorship and guidance. Convocation serves as a celebration of their contribution to shaping the minds and careers of the graduating class. For families, Convocation represents the culmination of years of unwavering support and encouragement. It is a moment of immense pride and joy to witness their loved ones achieve academic success.



ITM University Gwalior reimagines the traditional Convocation ceremony. This meticulously designed event transcends mere graduation rituals, fostering a deeper understanding of the world's complexities for both students and stakeholders. By internalizing and externalizing these crucial values, graduates are inspired to think critically, innovate, and embark on extraordinary journeys. The ceremony's composition itself exemplifies this philosophy, which is composed of:

## PRE-CONVOCATION CEREMONY

ITM University Gwalior's Pre-Convocation Ceremony transcends the ordinary. This special event features esteemed individuals, recipients of Honoris Causa, who share their remarkable life journeys and the experiences that shaped their success. These celebrated figures become powerful motivators for our

graduating class. The personal stories shared by these accomplished individuals foster a sense of connection with our students. It becomes a powerful reminder that we all possess the potential to achieve great things. The ceremony emphasizes that success hinges not on inherent differences, but on the ability to harness and nurture that potential. The Pre-Convocation Ceremony serves as a bridge between academic achievement and future aspirations. By learning from the experiences of distinguished individuals, our graduating class gains the inspiration and motivation to reach their own pinnacles.

## BESTOWING HONORIS CAUSA

ITM University Gwalior takes great pride in recognizing exceptional individuals who have made significant contributions to their respective fields. The selection process for

Honoris Causa recipients is rigorous and ensures the chosen individuals embody the university's values of excellence, innovation, and social responsibility. Here's a possible breakdown of the selection process:

**Nominations:** Nominations for Honoris Causa can be submitted by faculty members, academic departments, or the university administration. These nominations should clearly outline the nominee's achievements and their alignment with ITM University's values.

**Selection Committee:** A distinguished committee, likely comprised of senior faculty members and university leaders, reviews the nominations. This committee carefully evaluates each nominee's qualifications and impact on their field.

**Approval Process:** Once the committee identifies

potential recipients, their recommendations are presented to the university's governing body for final approval.

**Factors Considered:** Following factors that are considered during the selection process include:

- **Pioneering Achievements:** Has the nominee made groundbreaking contributions to their field?
- **Leadership and Inspiration:** Does the nominee serve as a role model for students and the broader community?
- **Alignment with Values:** Does the nominee's work resonate with ITM University's core values of excellence, innovation, and social responsibility?
- **Global Impact:** Has the nominee's work had a positive influence on a national or international scale?



## AWARD OF MEDALS

The convocation ceremony recognizes outstanding student achievement across various academic disciplines through the awarding of medals. Convocation serves as a platform to celebrate academic excellence, with medals bestowed upon students who have excelled in diverse fields of knowledge.

So far, in last 8 Convocation, the ITM University Gwalior has awarded about 12500 degrees to students of various courses who successfully completed their degrees during 2015- 2024. The ITM University Gwalior has also awarded gold and silver medals to about 230 meritorious students.

The University honoured some distinguished persons and bestowed upon the degree of Honoris Causa: doctoral degrees. Following were awarded degrees

## CONVOCATION

2016	2017	2018
 <b>Padma Bhushan Shri</b> Film Director, Screenwriter	 <b>Smt. Aruna Roy</b> Thinker and Activist for Democratic Transparency & Social Justice	 <b>Padma Vibhushan Prof. Dr. M.S. Swaminathan</b> Legendary Agriculture Scientist
 <b>Padma Bhushan Shri L. Subramaniam</b> Violinist, Composer, Conductor, Multi-instrumentalist, Arranger, Record Producer, Pedagogue, Grammy Awardee	 <b>Shri Ashok Vajpeyi</b> Eminent Poet and Cultural Activist	 <b>Padma Bhushan Shri Chandni Prasad Bhatt</b> Gandhian, Environmentalist and Social Activist
 <b>Smt. Mridula Garg</b> Writer	 <b>Padma Shri A.S. Kiran Kumar</b> Space Scientist and Chairman of ISRO	 <b>Padma Bhushan Prof. Dr. Maharaj Kishan Bhan</b> Paediatrician, Clinical Scientist & Inventor of Rotavirus Vaccine in India
 <b>Padma Shri Vinod Dua</b> Journalist, Psephologist, Cuisine presenter, Anchor	 <b>Padma Shri Govind Nihalani</b> Film Director, Cinematographer, Screenwriter and Producer	 <b>Padma Shri Ratan Thiyam</b> Writer, Theater Director, Designer, Musician, Painter & Actor
 <b>Shri Prabhakar M. Kolte</b> Eminent Painter	 <b>Padma Vibhushan Dr. Raghunath Anant Mashelkar</b> Former Director General, CSIR	 <b>Padma Shri Ms. Deepa Malik</b> Adventure Sportsperson
 <b>Dr. Tessa Thomas</b> Scientist, Technologist, DRDO Official	 <b>Padma Bhushan Shri Rajat Sharma</b> Media Entrepreneur, Chairman, India TV and Senior Journalist	 <b>General Dalbir Singh Suhag</b> Former Chief of Indian Army
 <b>Shri Anupam Mishra</b> Gandhian, Author, Journalist, Environmentalist, TED speaker and water conservationist	 <b>Padma Shri Yuvraj Singh</b> Indian International Cricketer	 <b>Shri Ravish Kumar</b> Writer and Journalist
		 <b>Shri Bezwada Wilson</b> Social Activist



2019	2020	2021	2022	2023
				
Padma Vibhushan Dr. Rajagopala Chidambaram Renowned Nuclear Scientist	Padma Vibhushan Dr. Krishnaswamy Kasturirangan Former Chairman, ISRO	Padma Vibhushan Shri Anil Kakodkar Former Chairman, Atomic Energy Commission of India	Padma Vibhushan Dr. Prabha Atre Indian classical vocalist/ musicologist	Padma Shri Shri Raghu Rai Photographer and Photojournalist
				
Padma Vibhushan Pt. Shri Birju Maharaj Legendary Kathak Dancer and Musician	Padma Bhushan Shri Krishen Khanna Eminent Painter	Padma Bhushan Kumudini Lakhia Founder-Director, Kadam School of Dance and Music	Padma Bhushan Ghulam Mohammed Sheikh Eminent painter	Padma Shri Dr. Pradeep Chowbey World-Renowned Pioneering Laparoscopic Surgeon
				
Padma Bhushan Shri Naseeruddin Shah Eminent Film and Theatre Artist	Padma Bhushan Shri Subramanian Ramadorai Chairman, Tata Technologies, Tata Consultancy Services	Padma Bhushan Smt. Arpita Singh Indian Figurative Artist and Modernist	Padma Bhushan Ustad Zakir Hussain Legendary Tabla player, composer, percussionist, music producer	Padma Shri Shri Manoj Bajpayee Actor - Motion Pictures
				
Padma Bhushan Shri William Mark Tully Journalist and Writer of high repute	Padma Bhushan Pandit Ajoy Chakrabarty Indian Classical Vocalist	Padma Bhushan Smt. Sharmila Tagore Eminent Indian Actress	Padma Bhushan Dr. Vijay P. Bhatkar Computer Scientist Architect of India's Supercomputer-Param	Mrs. Neerja Chowdhury Journalist, Political Commentator, Editor and Author
				
Dr. Vandana Shiva Environmental Activist, Eco-feminist, Speaker and Author	Padma Shri Ameen Sayani Announcer, Radio Jockey	Vidushi Ashwini Bhide Deshpande Hindustani Classical Music Vocalist	Padma Shri Anju Bobby George Athlete	Prof. Latika Katt Eminent Sculptor
				
Padma Shri Smt. P. T. Usha Outstanding & Enduring Athlete	Shri Gopalkrishna Devdas Gandhi Former Governor, West Bengal and Bihar	Padma Shri Ms. Mithali Raj Captain, Indian Women Cricket Team	Dr. Geetanjali Shree Author, International booker prize winner	Shri Sonam Wangchuk Engineer, Innovator and Education Reformist, Ramon Magsaysay Awardee
				
Shri Martin Macwan Activist on Social Equality and Human Rights	Shri Karan Thapar Senior Journalist	Shri Ranjitsinh Disale Teacher, Winner of Global Teacher Award	Shri Vishal Bhardwaj Indian film director, screenwriter, producer, music composer, playback singer	

## CONVOCATION ADDRESSES

DELIVERED BY

1<sup>ST</sup>

**Prof. Girijesh Kumar Mehta**  
Former Director, IUAC and  
Vice Chancellor,  
Allahabad University

2<sup>ND</sup>

**Padma Bhushan  
Prof. Ramachandra Guha**  
Indian Historian,  
Thinker and Writer

3<sup>RD</sup>

**Prof. Faizan Mustafa**  
Vice-Chancellor,  
NALSAR, Hyderabad

4<sup>TH</sup>

**Shri Udayan Vajpeyi**  
Eminent poet and writer

5<sup>TH</sup>

**Shri Ganesh N. Devy**  
Thinker, Linguist, Cultural  
Activist and Institution Builder

6<sup>TH</sup>

**Prof. (Dr.) Gagandeep Kang**  
Eminent Scientist and  
Virologist

7<sup>TH</sup>

**Shri Ramashankar Singh**  
Founder Chancellor  
ITM University Gwalior

7<sup>TH</sup> SPECIAL

**Shri Sheen Kaaf Nizam**  
Eminent Poet, Critic

8<sup>TH</sup>

**Swami OMA The AKK**  
Spiritual Mystic & Philosopher



# PLACEMENTS

## LAUNCH YOUR CAREER WITH ITM UNIVERSITY: WHERE INDUSTRY CONNECTIONS OPEN DOORS TO SUCCESS

Choosing the right university goes beyond academics. It's about finding an institution that equips you with the skills and connections you need to thrive in the professional world. At ITM University Gwalior, our Training Augmentation and Placement Cell (TAP CELL) goes above and beyond to ensure your success.



### TAP CELL: YOUR GATEWAY TO A REWARDING CAREER

TAP CELL bridges the gap between academic knowledge and industry requirements. We offer a comprehensive range of training programs, including technical workshops, soft skills development, and industry-specific training. We facilitate internships, on-campus recruitment drives, and job placement opportunities through strategic partnerships with leading companies across diverse industries, including:

- **Consumer Goods:** Berger Paints, ITC, Asian Paints, Jubilant Foodworks, AMUL, AKZONOBEL (Dulux Paints)
- **Pharmaceuticals:** Dr. Reddy's, Sun Pharma, AIMIL Pharmaceuticals, IPL Biologicals, Lupin
- **Information Technology:** Wipro, Cognizant, Infosys, Tech Mahindra, TCS, Hexaware, HCL
- **Retail:** TATA Croma, Reliance Retail, Tommy hilfiger, Calvin Klein, D Mart, Blinkit
- **Manufacturing:** AIS Glass, VISA Steel, JK Tyres, Trident, Thermax
- **Finance:** SMOLLAN, HDFC Bank, ICICI Bank, Kotak Bank, AU Bank, Axis Bank
- **HealthCare:** OG Healthcare, Vmarsh Healthcare, GRG Health, Asian Heart, AB7 Scribing & RCM
- **Agriculture:** VNR Seeds, Savannah Seeds, Dayal Group, Titain Biotech, VIRBAC
- **Insurance:** Bajaj Finance, ICICI Prudential, SBI Insurance, LIVA Bupa, Home First Finance

**ITM UNIVERSITY: WHERE YOUR FUTURE TAKES FLIGHT**  
With TAP CELL's unwavering support and access to a network of leading companies, ITM University empowers you to launch a successful and fulfilling career. Join us and experience the difference!

**95%**  
of the total eligible students placed so far

## PLACEMENT

## HIGHLIGHT



**KRITIKA RUPAULIHA**  
B.Tech. CS Student  
**45 LAKH**  
SALARY PACKAGE  
Microsoft



**SUMIT RATHOR**  
B.Tech. CS Student  
**24 LAKH**  
SALARY PACKAGE  
JTP



**PRASHANT SINGH**  
MCA Student  
**24 LAKH**  
SALARY PACKAGE  
JTP



**ANUJ KHEMARIA**  
MBA Student  
**18 LAKH**  
SALARY PACKAGE  
HECTOR BEVERAGES



**SHUBHAM HABLANI**  
MBA Student  
**18 LAKH**  
SALARY PACKAGE  
WhiteHat Jr



**ADITYA RAJ**  
B.Tech. CS Student  
**16 LAKH**  
SALARY PACKAGE  
JUSPAY



**BHAWESH AGRAWAL**  
B.Tech. CS Student  
**15 LAKH**  
SALARY PACKAGE  
OLA



**POONAM GHATOLE**  
MBA Student  
**12 LAKH**  
SALARY PACKAGE  
TRIDENT GROUP



**TANYA GUPTA**  
B.Tech. CS Student  
**10 LAKH**  
SALARY PACKAGE  
HUGHES SYSTIQUE



**TEJESHWAR S. SACHDEVA**  
B.Tech. CS Student  
**10 LAKH**  
SALARY PACKAGE  
HUGHES SYSTIQUE



**UDIT SHARMA**  
B.Tech. CS Student  
**10 LAKH**  
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