

DEPARTMENT OF INFORMATION TECHNOLOGY

E-MAGAZINE

Department Highlights

Issue-1



2018



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Vote Of Thanks To

Patrons

- Chairman
- Sh. Vishnu Saran

- Vice Chairman
- Sh. Puneet Agarwal

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- Director Executive
- Dr. Mayank Garg

- Dean Academics
- Dr. D.K. Sharma

Coordinators

- Prof. Ravindra Chauhan (HOD)

- All Faculty/Staff
- (IT Department)

Highlights

Message from Desk of Executive Director

Message from Desk of Dean
Academics

Note from Head of Department Desk

Departmental Journey Till Date

Faculty Attainments, Research
Domain

Student Achievements, Placements

*Message from Desk of
Executive Director
(Dr. Mayank Garg)*



It gives me immense pleasure to voice my thoughts regarding the multi-dimensional development in the department of Information Technology.

The department has been ably supported by the zealous faculty members through their untiring efforts to put forth the importance of information & technology. In the ever growing development aspect, the world over emphasizing the fact that a concrete knowledge of the IT field is the need of the hour.

I also take this opportunity to extend my heartiest congratulations to the students of the department who have made us proud through their extraordinary academic excellence that has given us the privilege of placements, higher ever in northern India.

With Best Wishes

*Message from Desk
of Dean Academics
(Dr. D.K. Sharma)*



"The best road to progress is freedom road, and a true Freedom cannot be instilled without education"

With the technology expanding every moments, so is the society and is standards of living. But, ethical education defines the standards of society. Only education can enlighten the real meaning. As globalization is playing a key role is connecting the world beyond geographical boundaries the right education is impetus to coherence beyond communities.

As the education system has become more encouraging and fastest attempt are made to be benefit the under privileged as well. The role of educationists who have revolutionized the education standards is valuable.

To honor those with cutting edge spirit, who not only determined but strives to change the destiny of the country, the department of Information Technology MIET, Meerut takes it's faculty & students through the journey of some of north India's leading educational crusaders through this one-of-a kind coffee table book. I hope this issue of departmental e-magazine will encourage the students, staff & faculty.

*Note from Head of
Department Desk*



The Department of Information Technology has recorded consistent improvement in its academic, research and placement performance.

It offers a range of innovatively designed programs whose curricula are constantly updated to meet the changing requirement of the industry and also to meet the needs of major stakeholders.

We believe that our students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world.

(Prof. Ravindra Chauhan)

Head, Department of Information Technology

*Department
Journey Till Date*



The department of Information Technology was established in 1997, the first one in the whole region.

The Department of Information Technology envisions itself as a centre of education, research and development for advancement of knowledge in the field of information technology to best serve the needs of students, industry and society.

The spirit of service, honesty and quality as its foundational strength, the department aims to achieve its noble objective through total commitment and involvement of faculty, staff and students.

Departmental Vision & Mission

Vision

To become a prominent department in nation which provides quality education, keeping pace with rapidly changing technologies; and to create technical graduates of global standards, who develop capabilities of accepting new challenges in the field of Information Technology.

Mission

1. To provide quality education in the core and applied areas of Information Technology, and develop students from all socio-economic levels into globally competent professionals.
2. To impart professional ethics, social responsibilities, moral values and entrepreneur skills to the students.
3. To invigorate students skills so that they deploy their potential in research and development, and inculcate the habit of lifelong learning.

Departmental PEO's

Program Educational Objectives

1. To produce graduates who pursue careers as: IT engineers in the field of software and allied sectors or; advanced studies in computational and other professional fields or; entrepreneur in related or other field.
2. To produce graduates who have ability to adhere with standard & latest practices, methodologies, tools and technologies and; exhibit commitment to self learning.
3. To produce graduates who are able to provide solutions of problems on pilot or real scale and; to demonstrate an ability to comprehend, analyze, design and create software, component or product and system within realistic economic, social and ethical constraints.
4. To produce graduates who are capable of exhibiting effective communication in a multilingual setting and can work in multi-disciplinary team in different roles and capacities.
5. To produce graduates who are ethically strong, aspire to inculcate factors of safety while designing system that facilitate environment friendly solutions with legal aspects.

Our Industrial Collaborations

Our Collaboration with **Industries & Technical Organization** is envisaged as Vital Linkage for **Sustaining Relevance & Continuous up Gradation.**

S.No	Name of Organization	Collaboration
1	Wipro	Wipro Learning Centre
2	IBM	IBM Software Centre of Excellence
3	IBM	IBM Software Lab for Cloud Computing
4	IBM	IBM Software Lab for Big Data
5	LUCIDEUS	Information Security & Ethical Hacking

Other Special Features : 6 Month Paid Subscription of Bluemix Cloud from IBM & MOU with SAP & Adobe

*Our Industrial
Collaborations
(Wipro)*

Setup of Wipro Mission 10X Technology Learning Centre in Collaboration with Meerut Institute Of Engineering & Technology for UTLP Training (Embedded Programming Machines).



*Our Industrial
Collaborations
(IBM)*

Setup of **IBM Software Centre of Excellence** in Collaboration with Meerut Institute of Engineering & Technology for Certified Course like DB2, RAD, RSA, RTC Etc.



**IBM Software
Centre of Excellence**



in collaboration with
**Meerut Institute of
Engineering & Technology**



*Our Industrial
Collaborations
(IBM)*

Setup of **IBM Software Lab for Cloud Computing** in Collaboration with Meerut Institute of Engineering & Technology for Implementation of New Technologies.



**IBM Software Lab
for Cloud Computing**

Initiative of the Career Education Program



In collaboration with:
Meerut Institute of Engineering
and Technology



SAP @ MIET Campus

Setup Of **SAP Next Generation** Lab in Collaboration with Meerut Institute of Engineering & Technology for Hand-On Practice on Core Modules of SAP & their Integration.

At MIET, we offer 'SAP Course' this introduces corporate management software, human resources, accounting and product control. Students are taught how to navigate software interfaces & gain an understanding of data storage & structure of the SAP system.

MIET is a member of the SAP University Alliances network. This gives us the exciting opportunity to use SAP products in our teaching.

The main aim behind the collaboration of MIET with SAP is to train students with SAP Business Process Modules that will support students to lead for SAP Consultant Certification.

Prof. Amit Garg (SPOC-SAP)

Adobe @ MIET Campus

We feel proud to state that MIET in collaboration with Adobe has established **Adobe Digital Technology Academy** in its campus in March 2018.

Presently the Academy is providing training on Adobe Analytics Tool. Adobe Analytics is an industry-leading solution that empowers you to understand your customers as people - what they want, need and believe.

Based on Adobe Experience Cloud, it focuses on skill development of professionals. With drag-and-drop segment building and customizable reporting, you can discover your high-value customers and the best ways to engage them.

Selected faculties at MIET have earned certificate of Adobe Digital Educator in April 2018. Till date about 120 students of different departments have been trained on Adobe Analytics by the Academy.

Dr Nidhi Tyagi (SPOC-Adobe)

*Student Contests
Organized By Our
Department*

We organized various State Level Contests Like **Bluemix Quiz Contest**, **Mobicom 2015 Contest**, **ANIMIET 2015 Contest** etc for Competency Evaluation.

mi et GROUP OF INSTITUTIONS
 • MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY
 • MEERUT INSTITUTE OF TECHNOLOGY

mi et PRESENTS
mobicom
 14th March 2015
 APP DEVELOPMENT COMPETITION 2015
MOBILE APPLICATION CONTEST 2015

ANIMIET
Animation Competition
 "Animation is not the art of drawings that move but the art of movements that are drawn"

RULES OF THE EVENT

- Duration : 8-10 minute / Team of - 2 members
- Any type of software can be used for animation movie making such as Maya, Illustrator, Blender, FotoMorph, Animade 3D Movie Maker, Pivot Stickfigure Animator, Niteaku/Duress (MMD), Free Gif Maker, Anime Studio 8.2, Windows Kine Motion, MonkeyJam, Adobe Flash Player, Corel Video Studio Pro, 3x2x 2D 6.6, NiteShape 3D, 18.5 (beta), Autodesk Combustion 3, LogoMaker 4, PovRay 3.7.0, Sqrts Morph 2.1, Terrapin etc any of your choice
- Content Submission is not allowed from any source
- A Particular Story should be depicted around the chosen theme.
- The movie should have character and locations created by the animator. It should not be a collection of photographs.
- The participants are required to get their partial project verified.

(Award of Prized money will be contingent to the quality of Animation film.)

IMPORTANT DATES	CASH PRIZES
Registration date : 30 JAN 2015	1st : ₹ 8000/-
Partial Project verification : 15 FEB 2015	2nd : ₹ 5000/-
Final Event Date : 20 MAR 2015	3rd : ₹ 3000/-

For more rules please visit www.miet.ac.in or www.mfimeerut.ac.in
 Competition In-charge:
Prof. Pradeep Pant (Professor - MIET)
Mr. Umesh Gupta (Asst. Professor - MIT)

mi et MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY

*Our Faculty
Attainments
(IOT)*

We have Outstanding **Faculty**
and Researchers Who
Maintain Open-Door Policy &
Undergone **Industry Oriented**
Training.

Topic	Resource Organization	Duration
Wipro Mission 10X(Level 1)	Wipro	5 Days
DB2, RAD, RSA, RTC	IBM	3 Days/Course
Bluemix Cloud Computing	IBM	4 Days
Big Data Map Reduce	IBM	4 Days
SAP Modules	SAP	4 Days
Adobe Analytics	ADOBE	4 Days

& Many More

*Our Faculty
Industry Oriented
Trainings*

Participated in **Wipro Mission 10X** Training Programme in Collaboration with Meerut Institute of Engineering & Technology for Enhancing Teaching Skills & other **Training Programs of TCS.**



*Our Faculty
Industry Oriented
Trainings*

Participated in IBM CE – Enterprise Application development for Cloud deployment and Cloud Security, SAP Modules & Adobe Analytics Training.



*Our Faculty
Certification &
Gold Medals*



FACULTY NAME	CERTIFICATION	STATUS
RAVINDRA CHAUHAN	NPTEL	ELITE
NIDHI TYAGI	NPTEL	ELITE
SATYAM	NPTEL	GOLD
SHEENAM	NPTEL	ELITE
SWATI SHARMA	NPTEL	ELITE
GAURAV GOEL	NPTEL	GOLD
GAURAV GOEL	ME (CSE)	GOLD MEDAL

&

Many More.....

*Our Faculty
Research Areas
(Image Processing)*

The image captured in outdoor scene are highly despoiled due to poor lighting situation or due to turbid medium in poor weather, such as haze, water droplets, dust particles or due to submergence in water..... (Mr. Gaurav Goel, IT Deptt.)

So due to these particles the irradiance coming from the object is scattered or absorbed between the digital camera and the captured object. It produces an effect called haze, which trim down the overall contrast in acquired images and basis of color change, openly affecting the visibility of image.

We proposes an comparative analysis for shallow aquatic images visibility improvement which firstly classify whether the image is clear or haze image, along with the identification of more or less haze. The paper presented a separate method for low and high haze content image which utilizes a combination of dark channel prior, median filter, histogram equalization, and gamma correction, dark channel with morphological action, in order to attain effective haze reduction and circumvent halo effects in complex structure single image.

Our scheme, also lookup the effect of an adaptive gamma correction method for additional improvement of transmission depth which enables an important enrichment over existing state-of-the-art schemes based on dark channel prior.

*Our Faculty
Research Areas
(Machine Learning)*

The domain of artificial intelligence imbibes machine learning that seems to make generalizations on data under consideration. Based on past experiences the results are simulated and predictions are generated..... (Ms. Sheenam Goel, IT)

The diverse applications of machine learning classification tend to formulate output based on some previous input values that are known hence it falls under supervised machine learning category. Decision making is an important aspect of Business intelligence to portray the technologies of data mining and warehousing for facing competition in market between firms. The marketing campaigns hold a dominant place to determine the success of business in terms of customers. Based on the study of classification techniques a suitable model is designed that maps several input variables to a output target i.e. whether a customer contacted for n no of times will subscribe a term deposit or not.

The comparison is drawn between variety of classification algorithms in order to assess the accuracy of one over another in terms of parameters like AUC, confusion matrix, precision, recall and many more. Based on those observations the success of bank telemarketing is predicted and also enrich the possibility of making choice while contacting a segment of customers frequently. However the solution proposed by me is viable from time and cost

*Our Student
Achievements
(IOT)*

Our Department Offers
Students; Hands-On Learning
that Enables **Discovery By Doing,**
Facing **Real-World Challenges,**
Participation In Industrial
Trainings & Competitions.

Topic	Resource Organization	Duration
Information Security/Ethical Hacking	Lucideus	2 Days
DB2/RAD/RTC Course	IBM	5 Days
Enterprise Mobile App. using IBM Work light	IBM	12 Days
Enterprise Application using JAVA/J2EE	IBM	15 Days
Wipro Mission 10X (Students)	Wipro	2 Days
Wipro UTLP Workshop	Wipro	5 Days

& Many More.....

*Our Students
Industry Oriented
Training (IBM)*

Many Students of IT have Developed **Mobile Application** to Manage IT Operation of Institute like E-Voting, Transport Mobile App etc.



*Our Students
Industry Oriented
Training*

Many Students of IT have undergone with training programs of **Wipro, Adobe, SAP**, etc based on **latest tools & technology** in computer science.



*Our Student
Achievements
(Winners)*

Our Department Offers
Students, Real-World
Challenges Through
Participation In Industrial
Competitions.

Our Winners	Award/Position	Contest /Organizer
Team Brasutti	First Position Girls Category	TGMC-2013, IBM
Team Rule Breakers	Second Position	TGMC-2013, IBM
Team Alpha	First Prize Winner	Mobicom 2015, MIET
Team Marvels	Third Prize Winner	Mobicom 2015, MIET
Team Fantastic Four	First Prize Winner	ANIMIET 2015, MIET
Team Admiring Animators	Second Prize Winner	ANIMIET 2015, MIET
Ms. Pooti Garg	Memory Grandmaster Certificate	India Book of Records
Mr. Abhijeet Mohan	First Position	IEF Wizz App Store, IIT, Delhi
Mr. Sanchit Goel	First Position	IEF Wizz App Store, IIT, Delhi
Mr. Abhijeet Mohan	Winner	CodeVita, TCS

& Many More.....

*Our Students
Honor at National
Level*

In Mobile Application Contest **The Great Mind Challenge-2013** Organized by IBM Academic Initiative at IBM Bangalore, on Oct 15th 2014, **Our Four Teams** got **Position in Top 15 Teams of India.**



*Our Students
Honor at National
Level*

In IBM Bluemix Contest **The Great Mind Challenge-2015** Organized by IBM Academic Initiative at IBM Bangalore, on Nov 2016, **Our IT Teams got Position in Top 15 Teams of India.**



*Our Students
Honor at National
Level*

For IEF Wizz Application Store, Mr. Abhijeet Mohan & Mr. Sanchit Goyal as First Winner in Social Impact Category Organized by IEF with Snaplion.Com at IIT Delhi, on Nov 1st -2nd 2014.

बार-बार नहीं करनी होगी डाउनलोडिंग

मेरठ | खिच संवाददाता

खुद जल्द एंड्रॉयड फोन को बार-बार अपडेट करने और एप्लीकेशन डाउनलोड करने से मुक्ति मिल जाएगी। मात्र एक स्टोर पर ही एंड्रॉयड फोन के नए एप्लीकेशन और अपडेट मौजूद रहेंगे। यूजर बने बिना डाउनलोड किए ही इंस्टॉल कर सकेंगे। इससे डाउनलोडिंग का खर्च बचेगा। फोन में अपडेट भी खुद होते रहेंगे।

आईआईटी दिल्ली में देन-विदेन के दो दो टीम के लोग यह काम कर रहे हैं। एफआईटी में कोटक के छात्रों ने। प्रथम वर्ष के छात्र संचित मोहन एवं अंशु वर्म के अधिनीत मोहन ने विज स्टोर का यह प्रदर्शन देन-विदेन की डिप्युन मोबाइल कंपनियों के सीईओ और उनके प्रतिनिधियों को भी-एप्ली में किया।

इंटरनेशनल इंजीनियरिंग के डिप्युन द्वारा हुए परिषद के इस बड़े एप इवेंट में



एफआईटी में कोटक के इन छात्रों ने अपना विज स्टोर।

छात्रों ने अपने विज स्टोर को सुविधाएं मिलाई। छात्रों ने कहा कि विज स्टोर में वे सारे एप्लीकेशन मौजूद रहेंगे जो यूजर को स्टोर में खुलते हैं। विज स्टोर के जीएफ, यूजर अपने एंड्रॉयड फोन के लिए एप्लीकेशन ले सकेंगे। संचित मोहन के अनुसार इससे किसी भी एप्लीकेशन को डाउनलोड करने की जरूरत नहीं होगी। यह एक बार इंस्टॉल हो जाएगी। इससे इंटरनेट डाटा बचेगा। संचित के अनुसार विज स्टोर में नए अपडेट होते रहेंगे। छात्रों के अनुसार इससे 300 करोड़ रुपये बचेंगे और मोबाइल की स्पीड तेज होगी। विज स्टोर के लिए दो टीम छात्रों को इवेंट में प्रथम स्थान मिला है। छात्रों के अनुसार यह विज स्टोर अधिनीत मोहन ने छात्रों के इस विज स्टोर को आगे बढ़ाने की योजना है। कॉलेज में छात्रों को इस उपलब्धि पर बधाई दी है।

इन्होंने बनाया



मेरठ के एफआईटी कॉलेज के छात्र संचित मोहन और अभिजीत मोहन ने बनाया।

‘विज’ से मेमोरी फुल नहीं होगी

स्मार्टफोन में सबसे बड़ी खानी एप्लीकेशन के अपडेशन की रहती है। इंटरनेट चालू रहने से एप खुद अपडेट तो हो जाते हैं लेकिन इसे मेमरी और रैम भर जाती है। इससे फोन धीमा हो जाता है। इस दिक्कत को ‘विज’ एप ठीक करेगा। इसे इंस्टॉल करने के बाद सभी एप्लीकेशन खुद अपडेट हो जाएंगे। मान लीजिए यदि क्लॉसिंग का नया वर्जन आया है तो विज उसे बिना इंटरनेट के प्रयोग के इसे इंस्टॉल कर देगा। खास बात यह है कि इससे मोबाइल का स्पेस नहीं भरोगा।

● **यथा कहते हैं विशेषज्ञ :** आईआईटी दिल्ली के प्रो. उमेश कुमार कहते हैं कि हम सभी स्मार्टफोन का इस्तेमाल करते हैं। यदि कोई तकनीक को जमकर नहीं रखता उसके लिए भी यह खास एप्लीकेशन है।

*Our Students
Honor at State
Level*

Team Inferno as **IBM Bluemix Quiz Contest Winner**, Sponsored by IBM at Technical Fest Techspradha 2014 of MIET Group Of Institutions, on September 29th 2014.



*Our Students
Honor at State
Level*

For Mobile Application Contest, **Team Alpha, Marvels** got First & Third Position in **Mobicom 2015 Contest** Organized by MIET Group of Institutions at MIET Campus, on March 14th 2015.

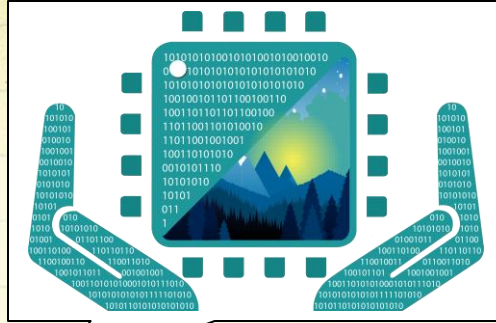


*Our Students
Placement*

About **80% students** get placed through **campus interviews** & many students get very high salary packages in **reputed industries** like **TCS, Wipro, Infosys, IBM & Many More.....**



*About S.C.I.T.
(IT Department
Students Society)*



Department of IT, MIET has created a new platform Student Council of Information Technology (SCIT) to enhance student's skills in the fields of information technology & general awareness.

SCIT is searching for team members to participate in various group activities i.e. collaborative learning, technical ability test, software development, social awareness etc.

SCIT is a student run and supported organization dedicated to promoting interaction among students , organizing academic and social activities and enhancing students overall personality.

Mr. Sumit Singh Siddhu, (Faculty Coordinator)



GET IN TOUCH

If you have query regarding the college, admission procedure, campus life, placement, entrance test, fee structure, number of departments and scholarships, you can contact us on the following address. You can drop a mail or call us. We will be happy to assist you in best possible way.

Address: N.H. 58, Delhi-Roorkee Highway,
Baghat Road Bypass Crossing Meerut - 250005.

UP (India)

Email: contact@miet.ac.in

Phone No.: 0121-2439019/2439057