

# Madhav Institute of Technology & Science, Gwalior

## NEWSLETTER



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**CELEBRATING DIAMOND JUBILEE: 60TH YEAR OF A TECH-XTRAORDINARY**



### Director's Message (Excerpts from Diamond Jubilee Speech)



The institute started its 60 year journey with 3 undergraduate programmes in the year 1957. Now 11 under graduate, 18 post-graduate and doctoral programmes are offered with an almost twelve fold increase in intake. The institute has always endeavoured to live up to the high standards set by its visionary founder, H.H. Maharaja Jiwaji Rao Scindia, who envisaged and established this temple of knowledge at a time when very few technical institutes existed in the country. For the last 60 years, MITS has been serving society and untiringly contributing to Technical Education. I salute the hard work and contribution of all the present and former faculty and staff members who have played a major role in shaping and preserving the sanctity of the institute. Students too have lived up to the expectations of the institute by continuously bagging good ranks in competitive examinations at the national level and by making their

presence felt in corporate circles in India and around the world.

The only thing that is 'constant' in this universe is 'change'. Technology in general and technical education in particular is changing at an extraordinary pace. Ideas which seem innovative today may become obsolete tomorrow. Survival in this new world will depend completely on the ability to adopt novel practices, learn new concepts, and form need-based collaborations. Those who do not grasp the pulse of these changing trends will soon become redundant. Yesterday is not ours to recover, but tomorrow is ours to win or lose. We are ready to face the challenges which will come from time to time. The institute is committed to initiate innovative teaching learning techniques and a learner centric flexible academic framework.

We plan to invest 1000 Lacs (10 Crores) in next three years for modernization of laboratories and IT infrastructure and double that amount for campus infrastructure development. We intend to establish state-of-the-art facilities for our undergraduates and bring in a culture of interactive learning to provide the best possible opportunities for the students to grow their all round skills. MITS is constantly trying to improve its connect with its alumni as well as industry. Efforts are on to forge collaborations with National and International Institutes for enhancing research and knowledge sharing. The campus has over 4500 students from diverse cultural and social backgrounds, from all over the country. To channelize their energy, to ensure their all round development, and to prepare them for the world outside this campus, many professional society chapters and various clubs & forums have been established which are fully controlled and managed by the students. I am confident that with my dedicated faculty and staff, bright and dynamic students, illustrious alumni, eminent members of the BoG and above all the charismatic leadership of our Chairman H.H. Jyotiraditya M. Scindia, the institute is capable of meeting all present and future goals and challenges as well as the aspirations of all our stakeholders.

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**DIAMOND JUBILEE CELEBRATION  
(12-14 November 2017)**

Diamond Jubilee celebrations was inaugurated by H.H Jyotiraditya M. Scindia, Chairman BoG, MITS and Padma Bhushan Rajendra S Pawar, Founder and Chairman, NIIT Group, Chief Guest of the occasion. Members of Board of Governors, MITS, Prof. K.K Agarwal, Prof. D.P Agarwal, Shri Prashant Mehta, Shri Lokesh Saxena and Er. Ramesh Agarwal graced the occasion. To commemorate Diamond Jubilee, a new gate (Jubilee gate) in the campus (suncity road) was inaugurated.





On this occasion, senior faculty of the institute **Dr. Laxmi Srivastava**, Professor & Head, Electrical Engineering Department, **Dr. Manjaree Pandit**, Dean, Academic, **Dr. Rajeev Kansal** Dean, Student Welfare, **DR. P.K. Singhal**, Dean, R & D and **Prof. L. K. Jain** Dean, Administration were honored by H. H. Shrimant Jyotiraditya M Scindia .



To improve interaction with industry two days (12-13 November 2017) industrial conclave was organized. Prominent persons from industry Captain Ved Prakash Head Human Resource Jamna Auto Industries Limited, New Delhi, Mr. Ananthanarayanan V Founder & CEO Techdivine, Mr. Arvind Kaushik Head – Business Development Larsen & Toubro Limited, New Delhi, Brig. Vinod Pant (Retd.) Head Operations & Technology Telecom Sector Skill Council, Gurgaon, Mr. Nishant Kumar Yadav ADC cum CEO, IAS, Mr. Yatindra Kumar Shrivastava Maturity Lead – CMMI Program Manager Microsoft Hyderabad, Mr. Mahesh Garg, IES Chief Project Manager, (Railway Ministry), Delhi, Mr. Rajendra Gupta Power and Infra Head MP&CG, Airtel Business, Indore .

They talked about their achievements, difficulties faced by them in their start-up programs. They guided the students that how they can achieve their goals and they can

become job creator rather than job seeker. Experts also talked about the gap between academics and industry and emphasized of the need collaboration between industry and academics.



A musical night was organized on 13<sup>th</sup> November. 'Meet brothers' and their troupe from Bollywood enthralled the audience with their rocking performance in the campus. The audience applauded and cheered as the singers greeted them with their most popular songs. Punjabi Singer Khusboo Grewal also joined the Meet brothers and made audience to dance on her songs like 'baby doll' etc.





## INSTITUTE DEVELOPMENT

**The main developments of the last 60 years are chronologically presented here. It can be classified into four distinct phases which clearly indicate that the institute adopted itself to the needs of the day and changed from time to keeping pace with new practices.**

**During the first phase, the basic infrastructure was erected; building and hostels were built, PG courses were started, laboratories were set-up with state-of-the-art equipment, most of which was imported from France and Germany**

The main events of this phase are:

1. The foundation stone of this building was laid by Dr. Rajendra Prasad, then President of India in 1956.
2. In 1957, the institute started functioning in residency palace building with B.E Civil, Mechanical & Electrical with an intake of 40 each; later in 1960 the intake was increased.
3. In 1964, this building was inaugurated by the President of India, Dr. S. Radhakrishnan.
4. The PG and Ph. D. courses were introduced in 1965 and two Boys hostels were constructed in 1966.

5. In 1974 the name of the institute was changed to Madhav Institute of Technology & Science, MITS as we call it today.
6. In 1978 another Boys hostel was constructed

**The Second phase of development, was marked by the addition of new buildings, Guest House, construction of the first girls hostel, introduction of new programmes etc. (5-UG & 4-PG programmes were added)**

The details of this phase are:

1. B.E Electronics was started in 1981, Architecture programme in 1984, Masters in Computer Applications (MCA) and Construction Tech. & Management (CTM) were introduced in 1986.
2. The Entrepreneurship Development Cell (EDC) sponsored by the Department of Science & Technology (DST) came into existence in 1988. The new building for Electronics Department and a new girls' hostel were also constructed in 1988.
3. In 1990 a New Boys Hostel (hostel no 4) was constructed and two years later in 1992 the EDC building became functional. The High Voltage laboratory was built in 1994.
4. The Bachelor programmes in Computer Science & Engineering and Chemical Engineering were started in 1995, and 1996 respectively.
5. Masters programmes in ME Communication, Control and Networking (CCN) and Industrial Systems and Drives (ISD) were started in 1995.
6. A new conference hall and additional class rooms were constructed in 1997-98.
7. The institute Guest House came into existence in 1999 and in the same year a new building for architecture department was started.
8. The Bachelor programme in Information & Technology was introduced in year 2000

**In the 21st Century the third phase of development was witnessed as the institute received academic autonomy from RGPV Bhopal. The concept of Quality &**

**Accreditation dominated this period with NBA accreditation of 7 UG and 4 PG Programmes. First phase of computerization started with the establishment of Central and Departmental Computer Centers with more than 200 Computer terminals.**

**The concept of campus placement started during this period and institute emerged as a leader in the region recording highest placements.**

The details are:

1. In 2001, a great visionary and legendary administrator Shrimant Madhavrao Scindia took over as Chairman of the Institute. The same year the institute coordinated, on behalf of Govt of MP, the International Conference on Technical Education (ICTE-2001), at Bhopal. A new UG programme in Biotechnology was also started in 2001.
2. The Institution got Academic Autonomy under RGPV in July 2002 and the same year PG programmes in Microwave Engineering & Production Engineering were started.
3. Year 2003 saw the Accreditation of BE – Civil, Mechanical, Electrical Electronics, CSE, IT, Chemical and Masters in Computer Application, Industrial systems & Drives, Computer Communication & Networking (CCN) and Construction Technology & Management (CTM) by National Board of Accreditation (NBA), New Delhi. Out of these the Civil Engineering and MCA programmes were accredited for 5 years. Establishment of a state-of-the-art Central Computer Centre and extension of the institute Guest House also happened in 2003.
4. In year 2004 Masters Programme in Urban Management and Biotechnology were introduced. The institute hosted the National Convention for students of architecture (NASA) where students from all over the country and neighboring Asian countries took participation.
5. In 2005 the construction of Canteen and Students activity Centre, and year 2006

witnessed the extension of building for Architecture, Electronics, CSE & Biotechnology

6. In 2007, “Madhav Wan” was established in the campus to dedicate land for environmental cause. Establishment of CTI, a DFID, UK & Govt of MP project was also implemented for Celebrating 50 years of excellence in Technical Education.
7. In 2008 the institute celebrated its Golden Jubilee and MITS was immortalized when a postal stamp of Rs. 5 on MITS was released by the then president of India, Dr. Pratibha Devisingh Patil to mark the occasion. Also, the foundation stone was laid for the Autonomy Cell, Sports Complex and extension of class rooms and labs was carried out.

**The fourth phase of MITS saga, that is the last decade will be remembered for the increased interactions & collaborations with the outside world in the form of MoUs, guest lectures, conferences, seminars, faculty training programmes etc. laboratory developments under Technical Education Quality Improvement Programme (TEQIP-II), increased in terms of intake in Bachelors programmes and commencement of many new PG programmes.**

The main highlights of this period are:

1. In 2010 the approval was received for starting Masters Programme in Computer Science & Engineering, and IBM Centre for Excellence was established.
2. The pace of growth got faster after the institute received Rs. 10 crore under the TEQIP-II project in 2011. The same year the new CSE Building was inaugurated by the chairman H.H. Jyotiraditya M Scindia. The same year approval was received for starting Masters Programme in Information and Technology. A 33kV substation was also installed in the institute.
3. In 2012 the institute was recognized as a QIP Research Centre.



4. In 2013, the Bachelors programmes of Civil, Mechanical, Electrical Electronics & Computer Science Engineering were accredited for the second time out of which the Electrical Engineering Programme received accreditation for 5-years. Masters Programmes in Cyber Security & Chemical Engineering were also introduced.
5. The next year, Masters Programmes in Geo Informatics and Environment Engineering were introduced, Infosys Campus Connect Programme was initiated and the ISTE Students Chapter of the institute received Best Student Chapter of M.P. & C.G. Award.
6. In 2015, two Bachelors' programmes in Automobile Engineering and Electronics & Telecommunication Engineering were started. Establishment of SKF reliability Centre for research and training was also a major step in the direction of Industrial Collaboration.
7. Year 2016 witnessed the addition of New ultra modern eight storey Girls Hostel With Capacity to house about 300 girls. This year Students Chapters of two prestigious professional societies, IEEE (USA) & IET(UK) were formed in the institute.
8. In addition to this, during last 5-years
  - Research & Development grants worth 400 Lacs were received from central and state level funding agencies such as DST, UGC, AICTE and MPCoST
  - More than 1500 research papers and 28 Book Chapters authored by the faculty and PG/Ph.D students
  - The institute conducted 31 National Workshops, 21 Conference/Seminars and 13 Faculty development Programmes for Engineering College Faculty.
  - An Internal Quality Assurance Cell (IQAC) was established in December 2016 to evolve mechanism and procedures for measuring, monitoring and evaluating quality for various academic and administrative activities of the institution, for the internalization of quality culture and institutionalization of best practices.
- Good practices such as Mentor-mentee scheme and Academic Audit were implemented.
- Creation of a Student Activity Centre with capacity of 400, New Counseling Hall with a Sitting Capacity of 150, the rebuilding of Central Computer Center and construction of a sophisticated Board room and Faculty Resource Centre were the highlights. Work on new 06 storied Boys' hostel with modern amenities is in progress
- MoUs with IIT Gandhi Nagar for Faculty Development /Training under which more than 50 faculty/staff members were trained
- IET Academic Affiliate partnership programme under which institute faculty, staff & students benefitted by getting membership to IET, access to their library, expert lectures by global ambassadors etc.
- Students received very good all India ranks(AIR) in Graduate Aptitude Test in Engineering (GATE) and Common Admission Test (CAT).

## **MILESTONES ACHIEVED DURING DIAMOND JUBILEE YEAR**

- The institute has been Granted Autonomy by University Grants Commission (UGC) for 6-years.
- The National Assessment and Accreditation Council (NAAC) also granted accredited MITS for 5-years.
- The Technical Education Quality Improvement Programme (TEQIP-Phase II) of MHRD was successfully completed and 'A' grade is received in six of the seven criteria. Now the institute is selected for funding under the TEQIP-III Project of MHRD.
- MoU has been signed with CBRI-Central Building Research Institute, Roorkee for research and training, twinning agreement signed with Delhi Technological University, Delhi.

- MITS ranked 29th in DATAQUEST-CMR Technical School Survey- 2017 out of the Top 100 T-schools of India.
- Launch of Institute MOODLE Server, paving way for online open source learning and establishment of NPTEL Local Centre in the institute are achievements which will revolutionize the education system shifting the focus from teacher centric to learner centric structure. For the all round development of students 60 activity clubs have been launched, in addition to the existing 7- Professional Society Chapters.

## TEDxMITSG

Training and Placement Cell has successfully organised TEDxMITSG, an independently organised TED event on 28th October, 2017 under the TEDx Club of MITS.

It was a full-day event attended by an active audience related to different fields. Salient goal was to bring together bright minds to give talks that are idea-focused, and on a wide range of subjects, to foster learning, inspiration and wonder; and to provoke conversations for that matter.

TED is a non-profit organization devoted to Ideas worth Spreading. Started as a four-day conference in California 30 years ago, TED has grown to support its mission with multiple initiatives. The two annual TED Conferences invite the world's leading thinkers and doers to speak for 18 minutes or less. Many of these talks are then made available, free, at TED.com.

TED speakers have included Bill Gates, Jane Goodall, Elizabeth Gilbert, Sir Richard Branson, Nandan Nilekani, Philippe Starck, Ngozi Okonjo - Iweala, Sal Khan and Daniel Kahneman. The annual TED Conference takes place each spring in Vancouver, British Columbia.

In the spirit of ideas worth spreading, TED has created a program called TEDx. TEDx is a program of local, self-organized events that bring people together to share a TED-like experience. The TED Conference provides general guidance for the TEDx program, but individual TEDx events, including ours, was self-organized.

The event witnessed 8 wonderful speakers with expertise in respective fields. The theme of TEDxMITSG was "Maneuvering Ingenuity" to mark a step towards innovation.

Speakers were outstanding, and left a memorable remark for all the audience and for the History of TEDx events in all over the world. Speakers who have given their talks in TEDx:

1. Virendra Shahaney, Chairman & MD, Web talkies and Former Creative Director - Sony Entertainment Television, Mumbai, Alumni of MITS.

Virendra Shahney shares the blue print for getting success in life. He talked about how self-enthusiasm and self-confidence play a crucial role in leading a successful life.

2. Himanshu Warudkar, Director & Head at Royal Bank of Scotland, Former Director - Barclays, Alumni of MITS.

Himanshu Warudkar shares his views and experience in the field of financial services and banking. He talks about the current innovations in the field of financial services.

3. Amitabh Thakur, IPS Officer, Founder of National RTI Forum, Lucknow

Amitabh Thakur, Founder of National RTI Forum, INDIA talks on the issues faced by the government officials and the involvement of politics in governance.

4. Dr CA Reeta Shah, Director, Shemaroo Entertainment, Growth Coach, Mumbai

Dr CA Reeta Shah talks about struggle that one has and it is how do I be like him/or

her? There is an invisible competition and we end up competing with other people in our mind. As we compete with others and benchmark ourselves with others, we lose our ability to see who we really are and what makes us special? In this talk she explains how to understand how you are special and what are your powers that you can access? Your ingenuity- originality and creativity is unique to you only and accessing that and using it to create future is what can accelerate your growth.

5. Prof. Anand Kumar Jaiswal, Professor at IIM Ahmedabad

Prof. Anand Kumar Jaiswal from IIM Ahmedabad shares his views and experience in the field of marketing, sharing key points of analysing strategies and case studies.

6. Dr. Nikhil Chandwani, Padma Shri Nominee, Author, Film Producer, Educator, Professor, Travel Director(Discovery Channel) and Entrepreneur, Nagpur

Dr. Nikhil Chandwani shares his own story of journey facing failure in life to being successful. His journey was indeed a life of hardship and failures but eventually he focussed on what suited him the best and he maintained his consistency in efforts to shape life into a successful one.

7. Anurag Asati, Founder & CEO thekabadiwala.com

Anurag Asati, Founder of thekabadiwala.com talks about the issues faced by the budding entrepreneurs and the importance of waste management and being self motivated.

8. Mitendra Singh, Mr. India 2017, Mister United Continents, Spiritual & Motivational Speaker from Gwalior.

Mitendra Singh talks on how spirituality helps you to develop your own personality and son of farmer had a awakening of spirituality and with the time practising

spirituality in your life give you balanced life ! It helps you to achieve the goal of success with the time ! It also Helps you to maintain mental level which is the need of today's youngster !



## FACULTY ACHIEVEMENT



**Prof. Hari Mohan Dubey** awarded **Degree of Philosophy (Ph.D)** entitled **“Bio-Inspired Optimization Techniques for Economic Load Dispatch”** from RGPV Bhopal, in November 2017. under the guidance of Dr. Manjaree Pandit Department of Electrical Engineering, MITS and Dr. B. K. Panigrahi Department of Electrical Engineering, IIT, Delhi .

*Congratulations!*



- **Dr. Manish Dixit**, Associate Professor, Dept of CSE & IT is elevated to Fellow member of Institute of Electronics and Telecommunication Engineers(IETE). He was also appreciated for volunteering as a Procter to guide and oversee competing teams for the IEEE Extreme programming competition by IEEE, USA.



## FACULTY OUTREACH TRAINING PROGRAME/ FDP ATTENDED

- **Prof. Aditya Kumar Agarwal**, Assistant Professor Civil department, attended five days workshop on Human Values & Professional Ethics at KDK College of Engg, Nagpur from 18 - 22 December 2017 under TEQIP - III.
- **Prof. Jamvant Singh Kumare**, Assistant Professor CSE& IT department, Attended five days workshop on Foundation course on Human Values & Professional Ethics under Teacher Training Induction Program NPIU, New Delhi, AICTE from 18-22 December 2017.

## FACULTY AWARD/HONORS

- **On Foundation Day of institute 14 Nov 2017, Director MITS appreciated IEEE Student chapter activities and awarded certificate of appreciation to Dr. Mansih Dixit, Faculty Coordinator of IEEE Student chapter and Secretary IEEE MP Subsection. Student coordinators were also awarded.**

## EXPERT TALK

- An Expert lecture was conducted on **“Optimization of Sewage Treatment”** on 4th Oct 2017 by the Civil Engg Department. The lecture was delivered by **Dr Y. P. Mathur**, Professor, Civil Engg. Deptt., MNIT Jaipur under TEQIP-III.
- An Expert lecture was conducted on **“Identification and characterization of soil in Strata”** on 4th Oct 2017 by the Civil Engg Department. The lectures was delivered by **Dr. Suresh Tiwari**, Associate Professor, Civil Engg. Deptt., MNIT Jaipur under TEQIP-III.
- **Dr. S. K. Jain**, Professor, Department of Civil Engg, delivered expert lecture on “Earthquake Resistant Design through Base Isolation” during one week Faculty Development Programme on “Seismic Vulnerability of Structures” at Civil Engineering Department UIT RGPV Bhopal on 1st December 2017.
- **Prof. A. K. Saxena**, Associate Professor, Department of Civil Engg. delivered expert lecture on "Concrete mix design" at Sri Ram College of Engineering & Management in Dec 2017.

## ACTIVITIES ORGANIZED

- An expert talk of **Dr. Rajkumar Buyya** was organised by IEEE Student chapter MITS on 2<sup>nd</sup> Nov 2017.

**Dr. Rajkumar Buyya** is a Fellow of IEEE, Professor of Computer Science and Software Engineering and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the **University of Melbourne, Australia.**



- An Inter School Quiz based on IITK-BMTPC was organized on the topic “**Earthquake tips**” on 18<sup>th</sup> December, 2017. This quiz was organized by **Dr. S.K Jain**, Professor, Civil Engg. Deptt. jointly with NICEE- IIT Kanpur.

## STUDENT ACHIEVEMENTS & ACTIVITIES

- Chahal Kailashiya 4<sup>th</sup> year student of B.E Biotechnology has published a review article in “VACCINE”, a high impact SCI Journal of Elsevier.
- Kailashiya, C., Sharma, H. B., Kailashiya, J. 2017. Telomerase based anticancer immunotherapy and vaccines approaches. *Vaccine*, 35, 5768-5775.
- Satyam Agrawal, 4<sup>th</sup> year student of B.E Biotechnology begged Certificate of Excellence for his outstanding performance and lasting contribution to the HUM organization.
- Harshit Bhatnagar, 1<sup>st</sup> year student of B.E Biotechnology was selected for State Level Volleyball Tournament 2017-18. Harshit Bhatnagar also participated in Volleyball RGPV Nodal Tournament 2017-18.
- Abhishek Bhargav, student of B.E. Civil Engineering Second year, won Man of the Match in Sports Club's Nukkad Cricket event held in October 2017.
- Anjali Verma, student of B.E. Civil Engineering Second year, was declared Winner in badminton (RGPV nodal centre) event held in October 2017
- Aishwaraya Shimpi, student of B.E. Civil Engineering Third year, attended NCC combined annual training camp at 8MP Battalion Gwalior in Oct 2017.

- **TECHTONIA ACTIVITY** held by the Click club of the institute on 07 October 2017. This event was organized under the supervision of **Prof. Mahesh Parmar, Click Club faculty coordinator**. In this event basically a technical quiz that was held in three round 1<sup>st</sup> round technical quiz, 2<sup>nd</sup> round audio/visual and 3<sup>rd</sup> round PI.

102 students were participated. Three students have got first, second and third position among 102 participant.



Yoga Expert from LNIPE, Gwalior delivered lecture on 29.10.17. Approx. 40 students & some faculty members attend this lecture.



## ISTE Students' Chapter

Food Fiesta 2.0, 13<sup>th</sup> November, 2017 On the occasion of 60<sup>th</sup> Founder's Day, organised the 2<sup>nd</sup> version of Food Fiesta grabbing the attention of more than 3k food lovers.



## NATIONAL SERVICE SCHEME

- **Swachchhaya Bharat Abhiyan Rally:** NSS unit organized a rally from MITS to Gandhi Club and take the "Swachchhata Shapath" with 284 students on 02/10/2017 and return to MITS.



- **Rally on Pollution free Deepawali:** NSS unit MITS organized a rally on "Pollution Free Deepawali" on 07/10/2017 (Saturday) from



MITS to 7 No chauraha via gola ka mandir and return to MITS by same way. 400 volunteers participated.



## EDC ACTIVITIES

- One Day Camp (Dental Camp, Eye Camp, Anti Tobacco Seminar and Yoga Programme):** NSS unit and Red Ribbon Club, MITS organized the Eye and dental Camp, Anti Tobacco Seminar and Yoga camp on 29/10/2017. Approximately 214 students were presented during this programme.

- Two weeks Faculty Development Programme (FDP) for Science, Technology & Polytechnic faculty of Gwalior & Chambal Division was conducted from 7<sup>th</sup> – 23<sup>rd</sup> Oct. 2017 by the ED Cell, MITS Gwalior. The programme was sponsored by DST, New Delhi and aimed at motivating the students towards self employment. The programme focused on setting up of industrial units by culmination of innovative ideas with the latest technology available.



- Oath on Rashtreeya Ekta Diwas:** NSS unit MITS organized a programme of Oath on Rashtreeya Ekta Diwas (Birth ceremony of Sardar Ballabhav Bhai Patel) on 31/10/2017. Approximately 160 students were participated.



- Six weeks Technology based Entrepreneurship Development Programme (TEDP) on Computer Assembling & Networking Technology for science & technology persons of Gwalior was conducted from 14<sup>th</sup> Nov. – 26<sup>th</sup> Dec. 2017 at ED Cell, MITS Gwalior. The programme was sponsored by Dept. of Science & Technology (DST), New Delhi.



- A three day Entrepreneurship Awareness Camp (EAC) was conducted for final year science & technology students at various venues in Gwalior: Govt. Polytechnic College, Dabra (30<sup>th</sup> Oct.-1<sup>st</sup> Nov. 2017), IPS Institute of Technology & Management (1<sup>st</sup> – 3<sup>rd</sup> Nov. 2017), BRA Polytechnic College (23<sup>rd</sup> - 25<sup>th</sup> Nov. 2017) and Gwalior Engineering College (7<sup>th</sup> – 9<sup>th</sup> Dec. 2017). The programme was sponsored by DST, New Delhi & targeted to create awareness among students about entrepreneurship for setting up their own firms.



- Domestic Data Entry Operator (DDEO) course of 5 months was conducted for Higher Secondary pass students during 14<sup>th</sup> Sept. 2017 – 14<sup>th</sup> Feb. 2018 by ED Cell, MITS Gwalior, sponsored by DTE, Bhopal. The target was to develop technical skills in students enrolled in Mukhya Mantri Kaushal Samvardhan Yojna of M.P. Govt.
- Field Technician AC course of 4 months was conducted for Higher Secondary pass students during 16<sup>th</sup> Oct. 2017 – 14<sup>th</sup> Feb. 2018 & 1<sup>st</sup> Nov. 2017 – 28<sup>th</sup> Feb. 2018 by ED Cell, MITS Gwalior, sponsored by DTE, Bhopal. The target was to develop technical skills in students enrolled in Mukhya Mantri Kaushal Samvardhan Yojna of M.P. Govt.





## SPORTS DESK

1. Winner in inter collegiate Volleyball tournament held on 25/09/2017 and 26/09/2017 at VITM College Gwalior.



2. Winner in inter collegiate Badminton (Man's & Women's) tournament held on 15/11/2017 and 16/11/2017 at IPS College Gwalior.



3. Winner in inter collegiate Basketball (Man's & Women's) tournament held on 25/09/2017 and 26/09/2017 at MITS, Gwalior.



4. Winner in inter collegiate Football tournament held on 30/11/2017 and 01/12/2017 at SRCCEM Gwalior.



5. Winner in inter collegiate Chess tournament held at NITM Gwalior on 09/10/2017 and 10/10/2017.





6. Winner in inter collegiate Table Tennis tournament held at NRICEM Gwalior on 27/12/2017



7. Runner's up in inter collegiate Cross Country Race held at RJIT Tekanpur on 04/10/2017



## BOOK CHAPTER

- **Rajeev Kumar Singh**, Suchitra Agrawal, Dr. U.P. Singh, "Intelligent Image Retrieval via Deep Learning Techniques" Deep Learning for Image Processing Applications" D.J. Hemanth and V.V. Estrela (Eds.) IOS Press, 2017, doi :10.3233/978-1-61499-822-8-68.

## PUBLICATIONS

- Altaf Ahmad, Renu Jain & **D. K. Jain** "q- Analogue of Aleph Function and Its Transformation Formulae with q-derivative " International Journal of Statistics Applications & Probability Sciences, Volume 06, Issue 3, p. 567-575, Nov. 2017.
- Altaf Ahmad, **D. K. Jain** & Renu Jain " Generating Functions Of q-Analogue of I-Function Satisfying Truesdell's Descending Fq-Equation " Journal of New Theory, Number 19, p. 48-55. Dec. 2017.
- **V.P. Shinde** "Availability Analysis of the system with or without spare, International Journal of Statistics and reliability engineering, Vol.4 (2), p. 159-168, Dec. 2017.
- **Uday Pratap Singh** "Approximation of Nonlinear Discrete Time System Using FA Based Neural Network" Granular Computing (**Springer**), Vol. 2, No. 4, 2017.
- **Uday Pratap Singh** "Adaptive Neural Network for Sketch Based Image Retrieval" International Journal of Advanced Research in Computer Science, Vol. 8, No. 7, 2017.
- Amit Sahu, **Prof. Archana Tiwari**. "Aerated concrete blocks using polypropylene fibre", International Journal for Research in Applied Science

and Engineering Technology, Volume 5, Issue XII, Page No:15 - 16 , ISSN : 2321-9653, December 2017

- Anil Kumar Gupta & **Dr. M. K. Trivedi**, " Risk ranking of Indian highways PPP projects" NICMAR Journal of construction management, Vol. XXXII, No.4, p.p 16-30,October 2017

- **Shivendra Singh Kushwah** & Shilpi Gupta, "Effect Of Marble Slurry Dust And Lime Stabilization On Geotechnical Properties Of Fine Sand" International Journal of Research in Engineering and Technology, Vol 6, Issue 10, p.p 62-75, eISSN: 2319-1163 pISSN: 2321-7308, October 2017
- **Vikas Sejwar**, Shivangi Agrawal "Frequent Pattern Model for Crime Recognition" International Journal of Computational Intelligence Research ISSN 0973-1873 Volume 13, Number 6 (2017), pp. 1405-1417.
- AnshuArele , **VikasSejwar** "Enhanced Online Payment Security using Steganography, Quantum and Visual Cryptography" International Journal of Computer Sciences and Engineering, Volume-5, Issue-7, Jul 2017, E-ISSN: 2347-2693.
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