# Madhav Institute of Technology & Science, Gwalior NEWSLETTER



Vol. 7, No. 2

Visit us at : www.mitsgwalior.in

July 2019 - September 2019 E-mail: enewsletter@mitsgwalior.in

## **CELEBRATION OF 73<sup>®</sup> INDEPENDENCE DAY AT MITS**



## **Director's Message (Excerpts from Independence Day Speech)**



### INSIDE THE PAGES

- GOLD MEDAL AWARD CEREMONY
- INDUCTION PROGRAM • FACULTY OUTREACH
- FACULTY OUTRI • EXPERT TALK
- ACTIVITIES ORGANIZED
- ENGINEERS DAY
- CELEBRATION • STUDENT ACHIEVEMENT & ACTIVITIES
- INDUSTRY VISIT
- STUDENT CHAPTERS
- NATIONAL SERVICE SCHEME
- EDC
- LATE H H MADHAVRAO
- SCINDIA JI, PUNYATITHI • PUBLICATIONS
- TEAM NEWSLETTER

On this 73rd Independence Day of the country, as I stand here in the premises of Madhav Institute of Technology & Science, the sweet scent of freedom in the air, with the glorious tricolor above me, I have mixed feelings. I am, proud as well as humbled; fully aware of the supreme sacrifices made by many unknown women & men of our country as a result of which we all are enjoying the fruits of freedom, today.

Indian culture and civilization has stood the test of time; the numerous foreign invasions could not crush the soul of the country and today India almost stands at the threshold of the elite league of developed nations due to its indomitable spirit as well as a favorable demography. By next year India will become the youngest nation with about 65% of its population between 15-35 years of age, giving an anticipated 2 % boost to the GDP. But to achieve this target the young people have to update and synchronize themselves continuously to the changing technological systems and practices. Never before, in the history of civilization, has the rate of change been as fast as it is today.

As the country rapidly and aggressively progresses in all sectors and is bent upon proving its competence in diverse fields, from space research to medical science, from information technology to artificial intelligence, from cryptography to block chain technology, I can visualize the beginning of a new era of technological revolution which has the potential to change the world fully.

I can hear the wheels of time turning around, stealthily bringing in new challenges, new ideas as one batch of students enters while one batch leaves, the institute gears up a fresh to provide the latest knowledge and skills to our students.

If we all want to pay our sincere homage to the patriots whose efforts have bestowed on us the independence and freedom we enjoy today, we all must pledge to play an active part in this new technological revolution and strive to take the institute to its zenith.

Somebody sent me a poem today which I want to recite here,

Our's is a land of sages, Known for bravery for ages.

None can with it compete, Its culture none can beat.

Whatever caste or religion, All live here in unison.

With rivers, sweet fountains, it's a land of high mountains.

Its green forests are pretty, And are source of prosperity.

Let's for it work hard, For its safety, be on guard.

Finally, With Freedom in our Minds, Faith in our words, Pride in our Souls..... Let us salute the Nation Jai Hind, Jai Bharat

## GOLD MEDAL AWARD CEREMONY

### **INDUCTION PROGRAM**

GOLD MEDAL AWARD CEREMONY was organized on 18<sup>th</sup> July 2019 for giving reward of academic performance of students of MITS. Gold medals were conferred to meritorious students of all branches of UG & PG (passed out 2018 batch) by H. H. Shrimant Jyotiraditya M Scindia, Honorable Chairman BOG, MITS. On this great day Shri Prashant Mehta, Member, Board of Governors, Er. Ramesh Agrawal, Secretary, Scindia Engineering College Society, Prof. K. K. Aggarwal Chairman, National Board of Accreditation, New Delhi, India, Lady Ujjawala Falke, Shri Lokesh Saxena and Director, MITS, Dr. R. K. Pandit, congratulated all awardees & their parents.



As per AICTE guidelines, a three week induction program was organized for the students to make them familiar with institution and to bridge the gap between school and college environment. It was started from 19<sup>th</sup> August 2019 to 1<sup>st</sup> September 2019.

Dr. R. Kansal, Dean Student Welfare outlined the objective and details of program. Dr. Manjaree Pandit, Dean Academics, welcomed the newly admitted students and wished them good luck for their better future and explained the overview of the flexible scheme & curriculum of undergraduate program in detail. Director, Dr. R. K. Pandit congratulated and motivated the students by saying that students are the foundation of any educational institute. Er. Ramesh Agrawal, Secretary, Scindia Engineering College Society, recalled the proud history and heritage of the institute.

Chief Guest of the occasion Shri Prashant Mehta, Member, Board of Governors, MITS, in his address advised not to look back after taking admission in MITS. He told the students to maintain a balance between health, studies & happiness – leading to a balanced life. Ms. Suman Yadav, Counselor, Scindia Kanya Vidyalaya, emphasized on human values and discussed ways to develop them.

The students were addressed by Shri Raja Babu Singh, Inspector General, Gwalior, told students to be disciplined and abide by all the rules & regulations of the institute.

Various activities were organized as a part of this program like know your institute, know your department, physical activity YOGA & NSS session, literary Proficiency Modules, Lectures by eminent people, Familiarization to Department/Branch & Innovations, universal human values session, creative art literacy, cultural activities and Gwalior visit.





## **FACULTY OUTREACH**

- 1. Dr. Laxmi Srivastava Faculty representative to Board of Governors, MITS, Gwalior for a period of two years with effect from 1<sup>st</sup> July 2019.
- 2. Prof. Kuldeep Swarnkar P.h.D Course Work in DTU New Delhi from July 2019.
- 3. Dr. P. K. Singhal has participated in the CEP course on Electromagnetic Fields and Waves: Theory and Applications conducted by IIT Bombay during July 1-5, 2019.
- 4. Dr. Valiur Rahaman was invited as a member of the expert team: Prof. (Dr) S. Jha, IIT Roorkee, A. Chaubey NIT Uttarakhand, Dr S. Singh, NIT Patna, & Prof. (Dr) A. Kumar, EFLU, Hyderabad, for conducting 5 Day training sessions in "Writing Skills"in TEQIP-III sponsored Workshop on "Soft Skills", at Department of Humanities, MIT, Muzaffarpur, Bihar-INDIA 22-26 July 2019.
- Prof. Vishal Chaudhary attended summer faculty research fellow programme-2019 (SFRF-2019), 03<sup>rd</sup> June 2019 to 12<sup>th</sup> July 2019, IIT Delhi.
- Dr. Valiur Rahaman participated in NPIU sponsored one Day Orientation Workshop for Principle Investigators on the "TEQIP III-AICTE CRS Project" at AICTE Headquarter Delhi 16 July 2019.
- Dr. Rahul Dubey, Prof. Shambhu Kumar, Prof. Rakesh Kumar Naik, Prof. Chaitanya Dhopate, Dr. Vikas Mahor, Prof. Rishabh Shukla, and Prof. Awadesh Gupta attended one week Faculty Development Program (FDP) on "VLSI Chip Design Hands on Using Open Source EDA" during 08<sup>th</sup> to 12<sup>th</sup> July 2019 at IIITM, Gwalior.
- 8. Dr. Arti Pipariya attended a two-day in-house workshop on Research Methodology and R Programming under TEQIP - III organized by

Department of Applied Science, MITS, Gwalior on 31 August - 1 September 2019.

- 9. Dr. Urvashi Garud attended a two-day in-house
- workshop on Research Methodology and R Programming under TEQIP - III organized by Department of Applied Science, MITS, Gwalior on 31 August - 1 September 2019.
- 11. Dr. Abhay Mishra, Dr. D.K. Jain, Dr. Anjula Gaur, Dr. Prachi Sharma, Dr. Ashish Verma, Dr. Hansnath Tiwari, Prof. Deobrat Singh, Dr. Santosh Bhardwaj, Dr. Preeti Gupta, Dr. Manisha Chaudhary, Prof. Dileep Kumar Mishra, attended Two Days Workshop on "Research Methodology & R Programming" Organized by Department of Applied Science, MITS Gwalior 31 August-01 September, 2019.
- Dr. Abhay Mishra, Dr. Shourabh Bhattacharya, Dr. Jitendra Kumar Muthele, Dr. Anjula Gaur, Prof. Angad Singh Ojha, Dr. Hansnath Tiwari, attended Two Days In-House Workshop on "Bloom's Taxonomy for Assessment Design" Organized by Internal Quality Assurance Cell, MITS Gwalior August 13-14, 2019
- Dr. Valiur Rahaman was invited to conduct a workshop on "Humanities Inspired Computation" on 14 September 2019 at College of Engineering at Jiwaji University-Gwalior
- 14. Dr. Valiur Rahaman was invited to conduct a TEQIP
  –III sponsored a workshop on "Technical English &
  Humanitics" on 21 September 2019 at GEC,
  Bharatpur, Rajasthan
- 15. Dr. Manjaree Pandit top Peer reviewer award by Publons (Clarivate Analytics) for being in top 1% of reviewers in Engineering during 2018-19.

- 16. Dr. Angad Singh Ojha, Prof. Dilip Kumar Mishra, Prof. Shweta Shrivastava, attended Two Days National Workshop on "Recent Trends in AI, Deep Learning and its Applications" Organized by Department of CSE/IT, MITS Gwalior September 28-29, 2019.
- Dr. Hansnath Tiwari, Prof. Deobrat Singh, attended One Day In-House Workshop on "Optical Fiber Communications and its Applications" Organized by Department of Electronics Engineering, MITS Gwalior 07 September 2019.
- Dr. P. K. Singhal successfully completed 4 week course on stress management through NPTEL-AICTE on 29 September 2019 with a consolidated score of 65%.
- Three students have submitted their dissertation for the award of Ph.D. degree under the supervision of Dr. P.K. Singhal, Electronics Engineering Department 2019.
- 20. Dr. Vandana Vikas Thakare delivered a talk on "Artificial Neural Networks and its Applicatons" at SRCEM Banmore. The talk was about utility of Neural Network in the field of technology and science. Concept of deep lerning and machine learning was also introduced, 26 September 2019.
- 21. Dr. Sanjiv Sharma, Assistant Professor CSE &IT Department delivered invited talk and guest or expert lecture on the topic "Foundation of Computer System", Sept, 21, 2019, Government Engineering College Bharatpur.
- 22. Dr. Sanjiv Sharma, Assistant Professor CSE &IT Department delivered invited talk and guest or expert lecture on the topic "Humanities Inspired Computing", September, 14, 2019, Jiwaji University, Gwalior.
- 23. Prof. Mahesh Parmar, Assistant Professor CSE &IT Department delivered an Expert Lecture on "Key Concept of Programming" in order to improve student excellence and learning, Sponsored by TEQIP-III at Government Engineering College, Bharatpur on 21 September 2019.
- 24. Dr. R.S. Jadon Professor CSE & IT Department, Chief Guest in inaugural session of Kriti 2019, 11<sup>th</sup> National Software Workshop on "Machine Learning Using Python" on 19th September 2019 at PIMG Gwalior.
- 25. Dr. R.S. Jadon Professor CSE & IT Department delivered expert lecture at Academic Staff College, LNIPE Gwalior on 21 September 2019.
- 26. Prof. Arpita Singhal, Prof. Shambhu Kumar, Prof. Sourabh Singh Raghuwanshi attended two day National workshop on "Recent Trends in AI Deep Learning and Its Applications "organized by Computer Science Engineering Department, MITS, Gwalior during 28<sup>th</sup> to 29<sup>th</sup> September 2019.
- 27. In Electronics Engineering department 08 faculty members attended one day workshop on "Optical Fiber Communication and its Applications" on 07<sup>th</sup>

September 2019, MITS, Gwalior.

28. In Electronics Engineering department 10 faculty members attended one day workshop "NPTEL Awareness" under TEQIP III in association with IIT Kanpur, on 12 September 2019.

## EXPERT TALK

- An Expert talks on "Industrial Internet of Things (IOT)" by Er. Ashutosh Chincholikar, Business Head, Smart Control India Limited, Banmore was organized on 3<sup>rd</sup> August 2019, by Electronics Engineering Department, MITS, Gwalior.
- 2. Dr. Manjaree Pandit, Delivered Expert lecture on "Quality Improvement through Skill Based Learning" in Faculty Development Programme on "Role of entrepreneurship in establishing new startups", sponsored by NSTEDB, DST, GOI and organized by the Entrepreneurship Development Cell of MITS Gwalior on 24<sup>th</sup> August 2019.
- 3. The Applied Science Department has organized Expert Lecture on "Vedic Science and Signal Transmission for Health Problem in Recent Era" on 30 August 2019. Dr. R.B. Pachauri, Professor IIT Indore delivered the expert lecture in the enthusiastic and interesting manner He told that in our old days every activity was completely scientific and research based. Even our food menu was prepared according to weather and has positive effect on our body.
- An Expert Lecture on Power Plant Design was organized on 23<sup>rd</sup> September, 2019 at the Mechanical department. The lecture was delivered by industrial expert Er. Shrinivas Pillai, DGM, Technical from Hexagon, Hyderabad.
- 5. An expert talks by Er. Gaurav Tripathi, Sr. Enterprise Architect, HCL Technology, Noida was organized by the Electronics Engineering department on 27<sup>th</sup> September 2019.
- 6. The Expert lecture on "Next Generation Sequencing" was conducted by Department of Biotechnology on 05 October 2019 at Department of Biotechnology. The key note speaker, Mr. Mohit Kumar Swarnkar, is an eminent Senior Technical Officer at CSIR-Institute of Himalayan Bioresource Technology.





## **ACTIVITIES ORGANIZED**

- 1. Electrical Engineering Department organized Outcome Based Education (OBE) & Accreditation process MITS Gwalior on 19<sup>th</sup> July 2019.
- A Workshop on 'How to write a research paper using Mendeley software' was organized by the Mechanical Engineering department on August 3, 2019. Speaker Dr CS Malvi told that with the help of Mendeley software, research papers can be read free of cost.
- Two Day workshop organized by Dr. Sulochana Wadhwani on Bloom's Taxonomy for Assessment, 13<sup>th</sup> -14<sup>th</sup> Aug, MITS Gwalior.
- A program NBA Orientation Workshop on Outcome Based Education and Accreditation for Program Evaluators (PEVs) organized by, Indian Habitat Centre, New Delhi, 31<sup>st</sup> August 2019.

- The Applied Science Department has organized Two Days Workshop on "Research Methodology & R Programming" during 31 August – 01 September 2019. Following Experts was delivered the expert lecture: Dr. R.B. Pachauri, Professor IIT Indore, His talk was based on Research Methodology.
- 6. A workshop on "Optical Fiber Communication and Applications" was organized by the department of Electronics Engineering on 07<sup>th</sup> September 2019. The expert for this workshop was Dr. Yogendra Kumar Prajapati, Associate Professor, Electronics and Communication Engineering Department, MANIT, Allahabad (U.P.)
- Prof Asis Patra organized one day program on Building Envelope Design for Energy Optimization, 7<sup>th</sup> September 2019, MITS Gwalior.
- 8. A one-day workshop on Building Envelope Design for Energy Optimization was conducted on September 7, 2019 by the Department of Mechanical Engineering and coordinated by Dr M. K. Gaur and Prof. Anand Kushwah.
- A half-day workshop for creating awareness about gender equity, gender crimes & gender laws organized by Ms. Anmol Kohli as an initiative of Vivel "Ab Samjhauta Nahi" 12<sup>th</sup> September 2019, MITS Gwalior
- A half-day workshop on NPTEL awareness by Dr Anjana Sen gupta & Dr. Shreya Deep, 12<sup>th</sup> September 2019, MITS Gwalior.



 Computer engineering department organized TEQIP-III sponsored national workshop on "Recent Trends in AI, Deep Learning And Its Applications", 28 – 29 September, 2019.

## Engineers Day Celebrated on 16th Sep 2019

Engineers day celebration in memory of Sir Mokshagundam Visvesvaraya on 16th September 2019 -Organised by IWWA, Gwalior under IEEE Student Chapter MITS, IETE Gwalior Sub-center, IEEE Madhya Pradesh. Sub section Er. Sanjay Andhman, Chief Engineer, PWD was present as chief guest of the function. Er. Sanjay Maske, APD, PIU as Guest of Honor, Er. M.L. Dabar, CGM, PMGSY, Er. K.G.S. Tomar, Rtd. CTE, Dr. G. S. Tomar, Chairman IEEE, M.P., Er. Brajesh Kumar Karaiyya, Executie Engineer, Er. Amit Mishra and Er. Manish Goyal were present as special guest on the occasion of celebrating Engineers Day 2019.



### **STUDENT ACTIVITIES & ACHIEVEMENTS**

- 1. Students of photography club organized event "Focus -3" on 7<sup>th</sup> September 2019.
- 2. ANVESHAN was organised on Sep 17, 2019 at the department of Mechanical Engineering. In this event student of the department and experts from industries presented innovative ideas.
- 3. The Applied Science Department and Hindi club of MITS has organized a Debate on "Should Technical Education Be in Hindi on 20 September 2019.
- 4. On the occasion of 'Hindi Pakhwada 2019' a Debate competition on "should technical education be in Hindi" was organized by students of EC 2<sup>nd</sup> year on 20<sup>th</sup> September 2019. The student's event coordinators were Ritik Jain, Tanishq Gupta and Siddhant Jain.
- 5. Photography club organized event on 27<sup>th</sup> September 2019.
- AsiMov Robotics club conducted one day workshop on "Python and Robotics" under the membership of Techfest team, IIT Bombay on 28<sup>th</sup> September 2019.
- 7. Students of art club were participated in creative art and drawing session during the induction program.
- 8. A debate activity on the topic of "E-Vehicles-An Alternate Urban Commuting" was organized by the Electrical Engineering department on 5<sup>th</sup> Oct 2019(10.30 am-12.00 pm).



- 9. A seminar cum poster presentation on "Operation & Management of Renewable Energy Sources" was organized by the Electrical Engineering department on 5th Oct 2019 (2.00pm-5.00pm).
- 10. The Student Activities on "GRE: Why and How" was conducted by Department of Biotechnology and International Opportunity Club (IOC) of MITS on 11 October 2019 at Institute.
- 11. Antra Pathak attended NCC camp  $(10^{th} 19^{th} \text{ July } 2019)$  and achieved CDT.
- 12. Vaibhav Tharwani, EC 2<sup>nd</sup> year, passed the certificate-C examination in B grade held in 2019 under the authority of Ministry of Defense, Government of India.
- 13. Jitendra Singh and Nikhil Talreja, EC 2<sup>nd</sup> year got 1<sup>st</sup> and 2<sup>nd</sup> position, respectively, in Debate competition on "should technical education be in Hindi" September.



14. Nancy Gupta and Haushad Gupta coordinated the event Mistsavah October 2019.



- 15. Hansikka Jain coordinated the event Focus-3 and Syaahi on 23 October 2019.
- BAJA-2020(Virtual round) the event was held at Chitkara University, Chandigarh (11-13th July 2019). Team DYNAMICS from Department of Mechanical Engineering was selected for dynamic

round which is to be held in Indore in January 2020.Indian Super carting Series was held at MIT, Ujjain (25-28 July 2019), SCAVENGERS from MITS Gwalior got best Team Award in the Event.



17. SPIC MACAY Heritage club organizedSufi songs have been performed by Rajasthan Sufi group of artist on 03 September 2019.



- 18. Holistic Health Club conducting "Yoga Session" for the first year students during induction program 25/08/19. The various Aasan and Prayer have conducted for the students to enhance the energy level and increase the mental ability. Dr. Anjula Gaur and Prof. Vishal Chaudhary have coordinated the session in MITS Premises. Session was organized by Mr. Pradeep Jain, Art of living.
- "Art of Living –SELP" (Student Excellence and Learning Program) under TEQIP-III 26/08/19 to 31/08/19. The program is claimed to be very useful for the students to improve overall performance boosting confidence enhancing creativity and

communication that helps in developing their leadership and team building skills to develop personality, eliminate mental stress and improve the physical health of an individual. Great experience & understood need of pranayam/yoga/sudarshan kriyan etc. through philosophy & daily practice.



## **INDUSTRY VISIT**

- Industry Collaborative Projects (ICPs) for B.E. Final year students of Electrical Engineering department (Session 2019-20) are planned in collaboration with electrical engineering division of M/S. Northern India Textile Research Association (NITRA), Ghaziabad. For discussion and training of the students, an industry visit was scheduled for the students on 14 & 15 July, 2019.
- CS/IT branch organized as industrial visit to INFOSYS on 17 September 2019, Chandigarh to make the students well versed with the working culture at Infosys and was made to understand Agile Methodology of working, which is the latest technology of work at Infosys, Chandigarh campus. Students were motivated to strive for the practices followed at Infosys campus. They spent time and interacted with the industry experts which helped them understand the latest industry trends and this helped in bridging the gap in learning and practical implementation.
- Students of B.E. (Electronics and Communication) II year visited the Surya Roshni Ltd., Malanpur on 28<sup>th</sup> September, 2019 which was arranged by Prof. Madhav Singh, Prof. D. K. Parsediya and Mr. SujanJadaun.





Automobile Engineering 2nd and 3rd year students visited CSMT Tekanpur on September 28, 2019.

## **STUDENT CHAPTERS**

- An informative talk organized under IEEE student chapter for First year newly admitted students on "Winning your graduation goals through programming" by Mr. Ashish Khare, Software Development Engineer, Symantec, Norton Anti-Virus Division, 22 Aug 2019.
- ISTE Student's Chapter MITS Gwalior organized its 3rd technical conclave TECH CELESTA 2K19 from 21<sup>st</sup> to 28<sup>th</sup> September 2019 in Madhav Institute of Technology & Science. Total 600 students actively participated in it.
- Under ISTE Student's Chapter AUTOCAD workshop was conducted by CADD+, Gwalior on 21<sup>st</sup> & 22<sup>nd</sup> September. The workshop was aimed at using Autocad software to create different 2D and 3D design.

- Under ISTE Student's Chapter Robo Expedition robotics workshop and Arduino-Botix was conducted by Techienest, Jaipur on 21<sup>st</sup> & 22<sup>nd</sup> September. Participants were provided with kit to make their own robot. Under the guidance of instructor they made 12 different robots. Arduino is a popular, inexpensive device used to control things from robots to 3D printers to light shows. Participants were taught functionalities through 8 self-made projects.
- Under ISTE Student's Chapter Stock Market Challenge was a app based market simulation game. In which they had to maximize their profit by investing in right place using 10 lakhs virtual currency in app "Stock market challenge by Dalal Street Investment journal". This event ran from 25<sup>th</sup> to 27<sup>th</sup> September.
- Under ISTE Student's Chapter X-CALIBRE Quest for the best was conducted on 27<sup>th</sup> of September. Participants participated in three round competitions comprising of Aptitude test, Group Discussion and Personal interview.

ISTE organized Silent Disco on 28<sup>th</sup> of September for the first time in Gwalior city in MITS Gwalior. Participants gathered at Student activity centre where they were given their headphones and danced with the beats of the music channeled to their headphones. It was incredible and every participant enjoyed it a lot.

The workshop on "Obstacle Avoider Robot" (14th -15th September 2019) was organized by IETE society, in electronics engineering department, with the support from Dr. VandanaVikasThakre, Dr. P.K Singhal, Prof. RanveerTyagi and Prof. Santosh Sharma and in association with Gyanshala. A total of 181 students participated in the workshop, andthe winnerteam was awarded with a cash prize of Rs. 3100 .Students individually or in a team of five members. Each team was provided with a "take Away kit", which they can use for their future experimentation. It was an inter school and inter college workshop.



## NATIONAL SERVICE SCHEME

- 1. The NSS Unit is continuously running literacy cum awareness progromme for the underprivileged children in the institute premises since year 2011. During the academic year 2019-20, Fifty Five NSS volunteers started to teach the approximate eighty underprivileged children from **05/08/2019** on regular basis (Monday to Friday) at 5:00 P.M. to 6:30 P.M.
- 2. The National Service unit MITS Organized the Plantation programme after Yoga Session during the Orientation Programme of First Year Students on 25/08/2019. More than 100 students participated and fifty saplings were planted.
- 3. A NSS rally on "Benefits of barefoot walking" was organized by the students of E.C./E.T. on 09<sup>th</sup> September 2019 from M.I.T.S. main gate to suncity.
- 4. The National Service unit MITS organized a cultural programme (Dance, Poetry, Music and Nukad Natak with social Messages) on NSS Day i.e. 24/09/2019 at Bahadurpur Gaon under National Service Scheme Unit.
- 5. The Applied Science Department and NSS wing of MITS has organized a blood donation camp after a Shradhanjali Sabha on departure day of H.H. Late. Maharaj Madhavrao Scindia on 30 September 2019. 188 persons donated blood in this event. Mr. Prathipal Singh and Mr. Shiv kumar Singh staff of the department also donated the blood.
- 6. The National Service Scheme, MITS unit organised "Swachchhata Abhiyan" to protest the use of polythene and cleaning of campus on 02/10/2019. 87 students/ volunteers of NSS unit MITS with programme officer participated in this event.





## EDC

The ED Cell has organized this faculty development programme for faculties of Science and Technology stream from different institutions of Gwalior and Chambal division. This programme sponsored by Department of Science & Technology Govt. of India. This programme was conducted during 20/08/2019 to 02/09/2019.



H. H. MADHAVRAO SCINDIA JI, PUNYATITHI

कैलाश वासी महाराज श्रीमंत माधव राव सिंधिया जी की 18 वी पुण्य तिथि पर एमआईटीएस में दिनांक 30-09-2019, सोमवार को श्रद्धांजलि सभा का आयोजन किया गया । इस अवसर पर इंजीनियर रमेश अग्रवाल जी, सचिव सिंधिया इंजीनियरिंग कॉलेज, पूर्व आई ए एस श्री प्रशांत मेहता जी, सदस्य बोर्ड ऑफ गवर्नर एमआईटीएस, डॉ राजीव कंसल, डीन छात्र कल्याण, डॉ मंजरी पंडित डीन शैक्षणिक एवं उपस्थित सभी सम्मानित संकाय सदस्यों ने कैलाशवासी महाराज के चित्र पर श्रद्धा सुमन अर्पित करके उन्हें श्रद्धांजलि दी।

सर्व प्रथम संस्थान के दूसरे वर्ष कंप्यूटर साइंस इंजीनियरिंग की छात्रा कुमारी अक्षदा, ऑल इंडिया रेडियो के कलाकार एवं राजा मान सिंह एकेडमी में प्राध्यापक डॉक्टर पारूल दिक्षित, श्रीमती पारुल बांदेल इसके पश्चात वृंदावन से आए गायक कलाकार परमानंद जी ने प्रार्थना प्रस्तुति की । श्रद्धांजलि सभा की अंतिम प्रस्तुति श्री राकेश जैन जी एवं उनके साथियों ने दी। एमआईटीएस की राष्ट्रीय सेवा योजना इकाई ने रेडक्रॉस सोसाइटी के सहयोग एवं मुरार हॉस्पिटल ब्लड बैंक के सहयोग से कैलाशवासी महाराज श्रीमंत माधव राव सिंधिया जी के स्मृति पर रक्तदान का आयोजन किया|





Sunil Dohare, Ajay Vardhan, Brajendra Kumar Gond, Prashant Sharma, Dr. S K Dhakad, Dr. R S Rajput, Arvind Kaushal, Dr. C S Malvi filed a patent for "Low cost waste Paper Material Pulping machine for recycling purpose" Application Number 201921029356.

## **PUBLICATIONS**

- [1]. A. Aherwar, T Singh, A Singh, A Patnaik, G Fekete (2019) 'Optimum selection of novel developed implant material using hybrid entropy PROMETHEE approach', Journal of Materials Science & Engineering Technology, vol. 50, Issue 3, page no. 1232-124, October 2019.
- [2]. A. Ahirwar, M Bahramina sab, A Patnaik, 'Effect of Molybdnum content on structure and properties of a Co-Cr Bio-medical alloy', Journal of materials engineering and performance, vol. 5, page no. 33-38, July 2019.
- [3]. Amita Shukla and R. P. Narwaria, "EEG signal classification for epileptic seizure using MATLAB," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, pp. Volume-8 Issue-9, pp. 1458 to 1461, July 2019. Scopus Index Journal.
- [4]. Ankita Tagade, S.R. Geed, K.B. Samal, Treatment of Textile Dye Methylene Blue Using Coconut Adsorbent, International Research journal of Engineering And Techology, Vol 6 Issue 08, August 2019.
- [5]. Ashish Verma Saraswati Yadav on the incomplete second Appell-hypergeometric matrix functions, Linear and Multilinear Algebra (SCI Indexed), July 2019.
- [6]. Baghel, Garima Singh. "Woman and Marriage in Contemporary Indian English Fiction: Reconstructing Identity and Subjectivity" An International Journal of English: Literature, Language & Skills, Vol 8, and Issue 2 July 2019 ISSN: 2278-074.
- [7]. C S Malvi, B S Tomar, 'Effect of Surface Texture on Pressure Distribution in Hydrodynamic Journal Bearing', Journal of Thin Films, Coating Science Technology and Application, vol. 3, page no. 18, July 2019.
- [8]. C.S. Malvi, Sonal Rajoria, Swati Gupta M.K. Gaur, A Computation study of NOx Emissions for Methane-Air Combustion using Eddy-Dissipation Model, Thermal Energy Systems, Vol 04 Issue 2, July 2019.
- [9]. Kulbhushan Samal, Nilesh Raj, Kaustubha Mohanty, Saponin Extracted waste biomass of Sapindus Mukorossi for adsorption of methyl methyl violet in aqueous system, Surfaces and Interfaces, August, 2019.
- [10]. M K Gaur, G N tiwari, A kushwaha, P singh, 'Development of emperical relation to compute the heat transfer coefficient for distiller operating in different operating modes', Journal of Distillation of water treatment, vol. 158, page no. 11, 2019.
- [11]. M K Gaur, C S Malvi, Sonal Rajoria, Swati Gupta, (2019), 'A Computational Study of NOx Emissions for Methane-Air Combustion Using Eddy-

Dissipation Model', Journal of Thermal Energy Systems Vol. 4, Issue 2, page no. 23-30, 2019.

- [12].P. K. Singhal in collaboration with Jiwaji University published a paper on "Mobile Induced Cognitive and Neurochemical" consequences in SCI Journal of Chemical Neuro anatomy science 2019, volume 102.
- [13]. Parul Saxena, R. S. Jadon, "An Effective Approach for Forest Fire Detection In Surveillance Video Using Rule-Based And Temporal Variations", International Journal of Scientific & Technology Research, vol 8, issue 9, September 2019.
- [14]. Poonam Parmar, Rahul Dubey and Karuna Markam, "Proposing a new variable window for better side lobe reduction," International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, pp. Volume-8 Issue-9, pp. 1107 to 1112, July 2019. Scopus Index Journal.
- [15]. Sadhna Sharma, Sanjiv Sharma, "A Comparative Study of Crime Investigation Using Data Mining Approaches", International Journal for Research in Applied Science & Engineering Technology ISSN: 2319-8753, Vol.7, pp. 2073-2079, 2019, 7.08.
- [16]. Sadhna Sharma, Sanjiv Sharma "Identification of Accurate Classification Technique for Crime Investigation Using Ensemble Approach", International Journal of Computer Sciences and Engineering, ISSN: 2347-2693, Volume-7, Issue-8, Page no. 137-143, Aug-2019, IF: 3.022.

- [17]. Sanni Dev, Amit Aherwar, Amar Patnaik, (2019) Preliminary evaluations on development of recycled porcelain reinforced LM-26/Al-Si10Cu3Mg1 alloy for piston materials', Silicon, vol. 11, Issue 3, page no. 1557-1573.
- [18]. Yogita Solanki, Sanjiv Sharma "A Survey on Risk Assessments of Heart Attack Using Data Mining Approaches" I.J. Information Engineering and Electronic Business, 2019, ISSN: 2278-3075, 11, 4, 43-51 Published Online July 2019.
- [19]. Yogita Solanki, Sanjiv Sharma "Analysis and Prediction of Heart Health using Deep Learning Approach ", International Journal of Computer Sciences and Engineering" ISSN : 2347-2693 ,Volume-7, Issue-8, Page no. 309-315, Aug-2019, IF: 3.022.

#### **TEAM NEWSLETTER**

Advisor – Dr. Rajeev Kansal (DSW)

Coordinator- Prof. Pooja Sahoo

#### Members-

Prof. Aditya Kumar Agarwal	Dr. Anjali S. Patil
Prof. Bhupendra Pandey	Prof. Parul Saxena
Prof. Deep Kumar Parsediya	Prof. Amit Kumar
Dr. Prangya Ranjan Rout	Prof. Anish P. Jacob
Dr. Shourabh Bhattacharya	Dr. Sachin Singh



MITS Newsletter Vol 7, No. 2

## एमआईटीएस ने जीती आरजीपीवी नोडल लेवल टूर्नामेंट की ट्रॉफी

#### ग्वालियर। नईदुनिया प्रतिनिधि

शिवानंद के शानदार दोहरे प्रदर्शन से माधव इंस्टीट्यूट ऑफ टेक्नालॉजी एंड साइंस (एमआईटीएस) ने आरजीपीव़ी नोडल लेवल पुरुष क्रिकेट दुर्नामेंट की ट्रॉफी पर कब्जा जमा लिया। एमआईटीएस ने फाइनल में विक्रांत कॉलेज को 91 रनों से रौंदा।

आईटीएम ग्रुप ऑफ इंस्टीट्यूशंस की

ICID RELEA Life Style



में एमआईटीएस ने पहले क्रीज संभाली रत एवं 2 विकेट घटकाए। समापन पर (एमआईटीएस) को नवाजा, जिन्हों-और विक्रांत कॉलेज के खिलाफ 162 आईटीएम बूमिवर्सिटी के जिस्ट्रार डॉ. 11 विकेट एवं 60 रर बनाए इस मौके रा र वाता । जावी परि में विकांत कॉलेज ओमवीर सिंह व एमआईटीएस के खेल पर डीएस डब्ल्यू, नितन वीखित, डॉ. टीम 17 ओवर में 71 रन बनाकर हेर अधिकारी डॉ.भानू प्रताप भवीरियां ने मनोब मिश्राआदि उपस्थित थे।

## **CITY SPORTS**

CS

## एमआईटीएस को 6-5 से हराकर विक्रांत कॉलेज बना चेस चैंपियन

आरजीपीवी की नोडल चेस चैंपियनशिप में आकांक्षा और रिंकी ने शानदार खेल प्रदर्शन करते हुए एमआईटीएस को जीत दिलाकर स्टेट खेलने का टिकट कटाया

#### **RGPV CHESS CHAMPIONSHIP**

Refer Carless champeningship गण्यते गंधरे: सार्थला पहा कां रिष्ठा सीकादीतिस स्वीत में सेक्षेत्र सां तार्वक सक्षे रीपीलये गिल्पलियाला (अतरीकोंग) भी लेडल से पीपलयेला में विकास कीत को महिला दिवासीयों में किला पहा का प्रदान कर पर पीपलयोंग से मतेला उत्तर का दिवासी हुए प्रायत्र कां किला को प्रायत्र की स्विता हुए उत्तर्थना स्वार्धना को प्रायत्र की स्वार्धना प्रायत्र कां स्वार्धना कर प्रायत्र स्वार्धना का स्वार्धना का उत्तर्थना स्वार्धना नार्य के बिलायों, प्रायत्व की स्वार्धना प्रायत्र कां स्वार्धना नार्य के बिलायों, प्रायत्र कांग्रेस स्वार्धना नार्य के बिलायों के स्वार्धना क्षेत्र के स्वार्धना प्रायत्र का स्वार्धना नार्यत्र की स्वार्धना का स्वार्धना का स्वार्धना स्वार्धना के प्रायत्व स्वार्धना का स्वार्धना का स्वार्धना स्वार्धना के प्रायत्व के स्वार्धना का स्वार्धना का स्वार्धना स्वार्धना के प्रायत्व स्वार्धना का स्वार्धना का स्वार्धना के प्रायत्व के प्रायत्व स्वार्धना के सिहलक का प्रायत्व स्वार्धना के प्रायत्व के प्रायत्व के स्वार्धना स्वार्धना की सिहल स्वार्धना के प्रायत्व के प्रायत्व स्वार्धना स्वार्धना की सिहला क्षेत्र स्वार्धना के प्रायत्व के प्रायत्व स्वार्धना स्वार्धना की सिहला क्षेत्र स्वार्धना के प्रायत्व के प्रायत्व स्वार्धन स्वार्धना की सिहला क्षेत्र स्वार्धना के प्रायत्व के प्रायत्व स्वार्धना की सिहला के स्वार्धना स्वार्धना की स्वार्धना के प्रायत्व के प्रायत्व स्वार्धना स्वार्धनाओं में विकास स्वार्धना क्षेत्र स्वार्धना के क्षेत्र स्वार्धना के सिहला क्षेत्र स्वार्धना के तार्धना के के स्वार्धना के सिहल के स्वार्धना संवार्धनी के स्वार्धना के सिहला के स्वार्धना के सिहलाओं के सिहलासी के स्वार्धना के तार्धना के सार्धना संवार्धनी के सिंग स्वार्धना के तार्धना के के के के के के के के के स्वार्धना के सिहलाओं से स्वार्धना के तार्धना के के के के के के के के सार्धना के सिहलाओं के सिहल स्वार्धना के ताल्पना के के के के क्रेस से सार्धना के सिहलाओं के सिहल स्वार्धना क्रायत्व के स्वार्धना के के के के क्रायत्व स्वारधना के सिहल स्वार्धना के ताल्पन के कि कि के क्रायत्व से ताल्पना स्वार्धना के सिहल स्वार्धना के ताल्पन के कि सिहल क्रायत्व से के लाल्पन स्वार्धना के सिहल स्वार्धना क्रायत्व से क्रायत

पहिलाओं सी साह पुरूप बने में भी क्रिकांत संदेशन लेगी। इसके बाद इस परिपर्शनिष से चार्यता प्रविलाओं सी साह पुरुप बने में भी क्रिकांत संदेशन बनने में मरनत हुए। अब वह महिला और पुरुष में वेलेंगी। क्रिकांत वर्षनंत्र पंपसने आएस। काठी को टीम 30 सिल्स से भीप्रवान में बीज जाने और संपत्त क्रिकांत ठारीन संस्थुल करा काली आरतीयेंथी सी स्टेट पीपप्लसिप में भाग विलाडी[यो के प्रदर्शन करी।



/茶秋日=

## एमआईटीएस ने जीते दोहरे खिताब आरजीपीवी वैडसिंटन नोडल प्रतियोगिता

विजेता–उपविजेता वैडमिंटन खिलाड़ियों के साथ अतिथि ।

उर्वशी की जोड़ी ने नेहा व सालोनी की जोड़ी को 11-1, 11-7 से पराजित किया। वहीं पुरुष वर्ग के पहले सिंगल में

एमआईटीएसके अमित ने साक्षीकॉलेज

रमआद्र्याएसक आमत नसावाकालज गुना के सुराधारा को 21-15, 21-15 के अंतर संहराया। युगल वर्ग में अमित व सिद्धांत की जोड़ी ने पंकज व सुपांशु की जोड़ी को 21-15, 25-23 के

#### ग्वालियर। नईदुनिया प्रतिनिधि

माधव संटीद्यूट ऑफ टेक्नोलॉजी एंड साइंस, म्वालियर(एमआईटीएस) मायव स्टाद्धूट आफ टक्मालाजा एंड साइंस, म्यालियर(एमआईटीएस) की बैडमिंटन टीम ने उथ्य प्रदर्शन कर आरजीपीयी बैडमिंटन नोडल प्रतियोगिता आरबपाया थडामटन नाउल प्रातवागता मं दोग्नरे विज्ञाव चौते। उस्ते यह उपलक्षि महिला वर्ग में मंजवान आईपीएस कॉलेज ऑफ टेक्सोलॉजी एंड मैंनेकमेंट और पुरस वर्ग में साक्षी कर्लजेज पूना को हराकर हासिल की। एमआईटीएम टीम जब भोपाल के वीएनएस कॉलेज में इसी महीने के अंत में होने वाली राज्यस्तरीय स्पर्धा में

क अत म होन प्रांचा राज्यसाय स्थान चुनौती पंशकरेगी। शिवपुरी लिंक रोड स्थित आईपीएस कॉलेज में गुरुवार को आयोजित आरजीपीवी बैडमिंटन नोडलप्रतियोगिता आरतापावां बंडामटन नॉडलप्रातवागित के महिला वर्ग में एमआईटीएस ने मेंजबान टीम को 2-0 से पराजित कर विजेता बना।पहले एकल मैच में अंजली वर्मा ने भावना को 11-3, 11-2 से हराया। युगल मैच में अंजली वर्मा-

मबर १फराज खान, शुमाग





उपस्थित थे।

ाब आतम् । अंतर से इदाया। समापन पर मेजवान कॉलिज के सीईओ पीके बोष, एकाउंड ऑफिसर रावु, जायसवाल ने टीमों की पुरस्कृत किया। इस अवरस पर दुर्वामेंट्र संयोजक व कॉलेज के खेल अफिकॉर्स

भारतेंदु शर्मा, एमआईपीएस के खेल अधिकारी डॉ. भानू प्रताप सिंह भवीरिव

एनएसएस दिवस पर एमआईटीएस की राष्ट्रीय सेवा योजना इकाई की ओर से कार्यक्रम का आयोजन किया गया। छात्र-लात्राओं ने ग्राम बहादुरपुर में 3 नाटक का मंचन किया। पहले नाटक के माध्यम से लोगों को बेटियों का महत्व बताया गया। नाटक के मोल्यन व सांग का बाटव की महत्व का महत्व दूसरा नाटक साइवर काइम पर आधारित था। इसमें जानकारी दी गई कि आधुनिक युग में बच्चों को मोबाइल का उपयोग सोच-समझकर क्रूरने दें। अंत में लोगों को स्वच्छता का संदेश भी दिया तानुबन कर पर प्रा का मार्ग का स्वयंत्र का स्वयंत्र मार्ग्स गया। इस मौके पर प्रा. दीप किशोर, अमित अहिरवार, पूजा साह और कार्यक्रम अधिकारी डॉ. मनीष सागर मौजद रहे।



मैनेजमेट (एनआईटीएम) में खेली गई राजीव गांधी प्रौद्योगिकी विश्वविद्यालय (आरजीपीबी) की नोडल लेवल टेवल-टेनिस प्रतियोगिता में दोहरे खितात्र पर पे पहले कब्जा जमाया। एमआईटीएस की टीम ने सर्वप्रथम पुरुष वर्ग का खिताब जीता। क्रम के इसके बाद महिला वर्ग का भी फाइनल जीतकर दोहरे गोल्ड पर कव्जा जमाया। 🛋 रेल्लिया एनआईटीएम कॉलेज में खेली गई इस प्रतियोगिता में विभिन्न कॉलेज की महिला . म्मेडियल्ज एवं पुरुष टीम के बीच एक से बढ़कर एक मुकाबले देखने को मिले। दिनभर 🌔 व्याद ने वाली चले मकावलों में प्रतिभागियों ने जीत दर्ज करने के लिए खूब मेहनत की। पुरुष 👔 वर्ग के फाइनल में एमआईटीएस ने आईपीएस कॉलेज को 4-11 एवं 7-11 के 🛛 🗩 मां में अंतर से शिकस्त देकर विजयी ट्रॉफी पर कब्जा जमाया। इसी तरह महिलाओं भाष्याम्मों स्ते ोजनाओं के फाइनल में भी एमआईटीएस ने विक्रांत कॉलेज S-11 एवं 7-11 से हराया। इ पर प्रतियोगिता के समापन अवसर पर एनआईटीएम के सचिव अमर सिंह तोमर ने 🛛 डॉ., स्नाध्धन्ना विजेता और उपविजेता खिलाड़ियों को पुरस्कृत किया। दि रहे।

एमआईटीएस महिला टीम बनी चैंपियन

ग्वालियर नोडल लेवल महिला बारकेटबॉल प्रतियोगिता

एमआईटीएस की टीम ने ग्वालियर

नोडल लेवल वास्केटवॉल प्रतियोगिता

पाछल लावल पास्कटवाल प्रापंचागण द महिला वर्ग में चौंपियन बना।

एमआईटी एस ने फाइनल में आरजेआईटी

टेकनपुर को 15 अंको से पराजित किया।

एमआईटीएम ने फाइनल मैच 19-4 से जीता। मोहनी ने सर्वाधिक 9 अंक बनाए।

आयोजन सचिव व कॉलेज के खेल

अधिकारी डॉ. भानू प्रताप सिंह भदौरिया

ने वताया कि दूर्नामेंट का औपचारिक

नर्द्धनिया

मेज वान

टीम के

खिलाफ

टीम की

खिलाडी।

शभारंभ कॉलेज के प्रोक्टर डॉ. आरण्म

जादौन ने टीमों से परिचय कर किया।

रविवार को पुरुष वर्ग का फाइनल मैच

आरजेआईटी और एमआईटीएस के

बीच खेला जाएगा। सेमीफाइनल मैचों में

एमआईटीएस ने श्रीराम कॉलेज वानमोर

और आरजेआईटी ने नागाजी को हराया।

भद्वौरिया ने वताया कि इस प्रतियोगिता

में प्रदर्शन के आधार पर दोनों वर्गों की

टीमें चुनी जाएगी, जो 6 सितंबर को यहां आरजीवीटी राज्य स्तरीय नोडल

बास्केटबॉल प्रतियोगिता में भाग लेगी।

संघर्ष करती

आरजे आईटी

#### दैनिक भारकर 4

# PAGE 2 PAGE 3 PAGE 4

## इनोवेशन सेल की ओर से कार्यक्रम आयोजित

सिटां रिपाटर | एमआईटीएस में अन्वेषण एवं विचार पर इनोवेशन सेल की ओर से कार्यक्रम का आयोजन किया गया। इसमें मुख्य अतिथि के रूप में डीम हैचर के सीनियर प्रोजेक्ट मैनेजर हर्ष खंडूजा और अमित दत्ता भारतीय उद्यमिता संस्थान रहे। कार्यक्रम का उद्देश्य नई तकनीक एवं रिसर्च प्रोजेक्ट पर भौतिक और आर्थिक मदद करना था। इसमें 40 छात्रों ने नवीन रिसर्च प्रोजेक्ट एवं अभिनव तकनीक पर प्रस्तुति दी। इसमें मुख्य रूप से वाहनों की गति को अल्टा सेंसर का इस्तमाल कर एक्सीडेंट में कमी लाना एवं एयर कंडीशनर में उपयोग होने वाली गैस में बदलाव कर वातावरण को वायु प्रदुषण से मुक्त करना जैसे प्रजेंटेशन शामिल रहे। इस मौके पर संस्थान के फैकल्टी मेंबर मौजद रहे।

## स्पेस डिवीजन मल्टीप्लेक्सिंग से 10 गना बढेगी इंटरनेट की स्पीड

सिटी रिपोर्टर | वर्तमान में इंटरनेट की स्पीड बढ़ाने पर काफी रिसर्च चल रही हैं। हाल ही में स्पेस डिवीजन मल्टीप्लेक्सिंग तकनीक पर काम चल रहा



टेक्नोलॉजी इलाहाबाद से

आए एसोसिएट प्रोफेसर = एक्सपर्ट डॉ. योगेंद्र कुमार। डॉ. योगेंद्र कुमार प्रजापति ने

कही। वह एमआईटीएस में ऑप्टिकल फाइबर कम्युनिकेशन प आयोजित एक दिवसीय कार्यशाला में जानकारी दे रहे थे। उन्होंने कहा कि अभी पोलराइज मोड क्वाडरेचर फेज शिफ्ट कीइंग पर भी वर्क चल रहा है, इससे डेटा रेट बढ़ेगी।

ऑफ्टिकल सेंसिंग से डाइग्नोज होगी बीमारियांः डॉ. प्रजापति ने बताया कि ऑप्टिकल सेंसिंग पर भी शोध कार्य चल रहा है। इस तकनीक से कोई भी बीमारी आसानी से डाइग्नोज की जा सकेगी। इससे समय पर बीमारी डाइग्नोज हो सकेगी।



अभियान के तहत तिघरा जलाशय के आसपास साफ-सफाई करते विद्यार्थी।

सिटी रिपोर्टर । एमआईटीएस के राष्ट्रीय सेवा योजना इकाई के छात्र-छात्राओं की और से तिघरा जलाशय और उसके आसपास जागरूकता अभियान चलाया गया। सबसे पहले इसके आसपास साफ-सफाई की गई और प्लास्टिक वेस्ट कलेक्ट किया गया। इसके बाद लोगों को प्लास्टिक के दुष्परिणाम बताए गए। साथ ही कपड़े और कागज के थैले उपयोग करने की सलाह दी गई। इस मौके पर प्रो ोद कुमार, प्रो. विशाल कुमा। सहित विद्यार्थी मौजूद रहे।



## वर । नईदुनि ाआईटीएस की राष्ट्रीय सेवा योजना तई के अंतर्गत उनने वाले किभागों के इंट्रेस ने अपने टीप्यसे के मार्गावर्शन बहातूरपुर के गांव के निवासियों को स्कृतिक करवेंकरों से जागरूक त्या। अवकृति, हर्षवर्षन, प्रतिया, पूच्च ने वर्हन, देशभाविल एव केटी

#### MITS Newsletter Vol 7, No. 2



