



\* VOL. 8 NO.2 OF JUET CHRONICLE COVERS INFORMATION FROM FEBRUARY TO JUNE 2018.

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### Editorial Board

- Prof. Shishir Kumar - Chairman
- Dr. Rashmi Tyagi
- Dr. Yashwant Modi
- Mr. Shishir Thakur



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### UNIVERSITY RECOGNITIONS

- University is approved as Remote Center of National Mission on Education through ICT Program (MHRD, Govt. of India), conducted by consortium of IITs, coordinated by IIT Bombay on April 18, 2018.
- University is ranked in rank band 151- 200 in category of University by NIRF on April 3, 2018.
- University is ranked 30<sup>th</sup> at National level, based on performance in CodeChef Coding Platform in February 2018.
- University is ranked 65<sup>th</sup> in GLOBAL ranking – Hacker Rank University CodeSprint-4 during February 23-25, 2018.

### UNIVERSITY ACHIEVEMENTS

- In June 2018, Academic Association with Amazon AWS Educate Program is approved under which each of our registered students is provided support upto \$1000 that can be utilized till June 2019.
- Vidushee Amoli, B.Tech. II year student ranked 21<sup>st</sup> at International level amongst competitive programmers by StopStalk in June 2018. She is able to achieve this feat based on her performance in last six months. StopStalk is a platform which provides Competitive Programmer's Global rating on basis of the performance on various coding platforms like Codeforces, Codechef, HackerEarth, HackerRank, SPOJ, and UVa.

### VISIT OF DIGNITARIES

- Prof. K. N. Srivastava, Vice Chancellor, Symbiosis University of Applied Science, Indore visited the campus for conduction of faculty interview during June 21-22, 2018.
- Dr. Sunil K. Somani, Vice Chancellor, Medicap University, Indore visited the campus on April 6, 2018.
- Prof. Ajay Rana, Director, Amity University, interacted with faculty members on February 23, 2018.

### INTERACTION BY HONOURABLE VICE CHANCELLOR

- Honourable Vice Chancellor Prof. J. S. P. Rai interacted with all faculty members of university on February 02, 2018 and May 01, 2018 and expressed his views about various aspects for improvement in University with regard to teaching/ learning/ general administration.

### SPECIAL DAY CELEBRATION

- International Yoga day was celebrated on June 21, 2018.
- World Environment Day was celebrated in the presence of Madhya Pradesh Pollution Control Board Officials on June 04, 2018.
- Anti-Terrorism Day was celebrated by taking Oath against terrorism on May 21, 2018.

### IMPORTANT ACADEMIC EVENTS

- Prof. Sanjay Goyal, IIIT, Noida visited the campus for conduct of faculty interviews during June 21-22, 2018.
- Third Meeting of IQAC (Internal Quality Assurance Cell) held on May 30, 2018. Shri S.C. Upadhyaya (DGM NFL, Vijaypur) also participated in this meeting as external expert.
- Dr. S. S. Goliya, Department of CE, SATI Vidisha visited the campus to conduct M.Tech dissertation Viva-voce on May 23, 2018.
- Knowledge conclave at Lucknow in collaboration by Hindu group in association with JUET, Guna on 23, May 2018 - On the topic of Higher Education and New Age learning Pedagogy.
- Mr. Mukesh Tiwari, DGM, Operations, Mahindra & Mahindra Ltd., Pithampur addressed the MEC students on "Career prospects of Mechanical Engineers in Automobile sector", on April 27, 2018.
- Mr. Apporv Dubey, Team Leader, Central Labs, Pune visited the campus and delivered lecture on Software Design Principles on April 14, 2018.
- Mr. Abhishek Singh, Team Leader, Jombay Pvt. Ltd., Pune, visited the campus and delivered lecture on Software Patterns on April 14, 2018.



**Ms. Jyestha Maitri, ECE  
2009-13 Batch**



**Mr. Ravikesh Tripathi,  
MEC, 2009-13 batch**

- Mr. Shivank Shekhar, Co-Chair, WebVR at VRAR Association, Bangalore and Mentor Google Summer of Code visited the campus and conducted session on Augmented and Virtual Reality during April 14-15, 2018.
- Mr. Akash Deep Nain, Software Engineer, Google, visited the campus and conducted sessions of competitive programming during April 07 - 08, 2018.
- Mr. Sanjay Shukla of MapmyIndia visited the campus and interacted with students on April 01, 2018.
- Mr. Kushagra Damodar Varade, Software Engineer, Robustest Pvt Ltd. Bangalore, visited the campus and conducted session on Web Extension developments on March 24, 2018.
- Mr. Pankaj Jain, NGE Delivery PMO, Infosys, delivered lecture on Latest Development Trends in IT Sector, on March 24, 2018.
- Prof. Manoj Kumar Shukla, HBTU Kanpur visited the campus to conduct PhD Viva-Voce on March 17, 2018.

#### CAREER COUNSELLING BY FACULTY MEMBERS

- Faculty and Staff members namely Dr. Sandeep Srivastava Mr. Neelesh Kumar Jain, Dr. Divya Jain, Mr. K.B. Meena, Dr. Abhishek Shukla, Mr. Pankaj Gupta, Dr. Salil Modak, Dr. Kamini Bhasin, Mr. P.S. Banerjee and Mr. Digvijay Singh of the University participated in Career Counseling organized by District Administration, Guna for the students of five "School of Excellence" on May 21, 2018.

#### FELICITATION FOR OUTSTANDING ALUMNI

- A felicitation ceremony was organised on May 12, 2018 in honour of two brilliant alumni Ms. Jyestha Maitri (ECE) and Mr. Ravikesh Tripathi (ME). Both the alumni, B. Tech. of 2009-13 batch have been selected in civil services (IAS) batch-2017 by UPSC with the ranks 156 and 334, respectively.

#### ALUMNI ACHIEVEMENTS

- Mansavi Sharam alumnus of B.Tech.-ME of 2013-17 batch has been offered admission to Masters program by Arizona State University, USA.
- Mr. Vaibhav Singh alumnus of B.Tech.-ECE of 2013-17 batch has been selected for admission in IIM, Amritsar, Punjab by scoring extraordinary marks in CAT examination.
- Ms. Shekha Saxena, alumnus of B.Tech (CSE) 2012-16 batch joined MS Program of Georgia State University, Atlanta, USA.
- Ms. Darshika Agarwal, alumna of B.Tech.-CE of 2012-16 batch has been offered admission to Masters program by Pennsylvania State University, USA.
- Ms. Gauranshi Raj Singh, alumna of B.Tech.-CE of 2012-16 batch has been offered admission to Doctoral program at IIT Delhi.
- Mr. Ayush Limaye alumnus of B.Tech.-CSE of 2012-16 batch got an admit in the State University of New York, Buffalo, NY for Master's in Computer Science.
- Ms. Anusha Hariharan alumnus of B.Tech.-CSE of 2011-15 batch has been offered admission to Master in Information Technology & Analytics from from Arizona State University, Northeastern University, Georgia State University, Rutgers University and University of Waterloo(Canada).
- Siddhart Sanadhya, alumnus of B.Tech.-ME of 2011-15 batch has been offered admission to Doctoral program by University of Florida, USA.
- Astitwa Saxena, alumnus of B.Tech.-CSE of 2011-15 batch inducted into Indian Air force in the capacity of Flying officer.
- Sankalp Garg, alumnus of B.Tech.-CSE of 2011-15 batch is presently employed by the Government of Emirate of Ras Al Khaimah, United Arab Emirates as an Information Security Analyst reporting to the Crown family of the Emirate.
- Bhavya Arora alumnus of B.Tech.-ME of 2011-15 batch has been offered admission to Masters program by Arizona State University, USA.
- Ms. Mahima Bhutani alumnus of B.Tech.-CSE of 2011-15 batch have got admitted in Masters in Human Computer Interaction and Design at KTH Royal Institute of Technology, Sweden.
- Ms. Pooja Parwani alumnus of B.Tech.-CSE of 2011-15 batch have scored 99.74 percentile in CAT 2017 and secured admission in Faculty of management studies, Delhi.
- Mr. Shaksham Kapoor alumnus of B.Tech.-CSE of 2011-15 batch Published 3 research papers in the field of Data Science and was awarded the 'Best Paper Award' for my first paper at an International Conference in Pune.
- Abhishek Raj alumnus of B.Tech.-ME of 2009-13 batch has been offered Post Doctoral Fellowship by Georgia Tech University, Atlanta, Georgia, USA.
- Ms. Shruti Vandita alumnus of B.Tech.-CSE of 2009-13 batch after being placed in Accenture fromJUET campus placements, she recently switched to SAP Labs India in Bangalore.
- Dr. Udit Jain and Dr. Ankit Kathuria, alumni of B.Tech.-CE of 2006-10 batch have joined the Department of Civil Engineering, VNIT Nagpur as Assistant Professor.
- Priyang Pandey alumnus of B.Tech (CSE) 2005-2009 batch is working as Advisor to Chief Minister at Government of Nagaland
- Ity Bahadur alumnus of B.Tech.-CSE of 2005-09 batch got admission in University of Central Florida.
- Ashutosh Shukla alumnus of B.Tech.-CSE of 2005-09 batch have cleared certification on ethical hacking version V9 from EC-Council and currently pursuing MBA-BA from Symbiosis Centre for Management and Human Resource Development.





An event during "IONIZE2K18" by CHE students on April 15, 2018.



CE students demonstrating their project to Vice Chancellor during ZIVILES-2018.

**ACHIEVEMENTS (FACULTY WISE)**

**FACULTY OF ENGINEERING**

**CHEMICAL ENGINEERING**

**A: Publications In Journals**

- Rahul Shrivastava, K. N. Gupta and N. N. Dutta, " Performance Assessment of Ensemble Decision Trees- based Fault Detection System in a Chemical Process", International Journal of Applied Engineering Research, Vol. 13, No. 9, pp. 7190-7196, 2018.

**B: Student's activities**

- The students of Chemical Engineering organized Tech-fest "IONIZE2K18" during April 14-15, 2018. Following events were conducted during the fest:
  - Purify-It : April 15, 2018
  - Carbide Cannon : April 14, 2018
  - Chem-o-Drift : April 14, 2018
  - Quizzitch : April 14, 2018

**CIVIL ENGINEERING**

**A: Publications In Conference Proceedings**

- Yogesh Iyer Murthy, Sumit Gandhi and Abhishek Kumar, "Corrosion Prevention of Steel Reinforcement in 7.5% NaCl Solution using Pure Magnesium Anode", Journal of IOP Conf. Series: Materials Science and Engineering, 330, pp 01 – 05, April 2018.

**B: Conference/Seminar/Workshop Participated**

- Dr. Nitin Samaiya presented a paper titled "Biomedical Waste Management Practices in India", in Intl. Conference on Pollution and It's Control through Agriculture, Pharmacy, Science & Technology held at SVNU Sagar on February 27-28, 2018.
- Abhishek Verma presented a paper titled "A study on futuristic intelligent transport systems and smart technologies in urban areas: A review", international Conference on recent advances in transport infrastructure (RAT-MANIT-201), held at MANIT Bhopal during February 13-14, 2018.

**C: Student's activities**

- Following activities have been conducted in ZIVILES-2018 (Civil Engineering Department - Technical fest) during April 14-15, 2018:
  - Think If You Can : April 15, 2018
  - Whats The Plan : April 15, 2018
  - Dead Stroke 2.0 : April 15, 2018
  - Clay Modeling : April 15, 2018
  - AutoCAD : April 15, 2018
  - Concrete Cube Casting : April 14, 2018
  - Bob The Builder(Model Exhibition) : April 14, 2018
  - Deffy Roue : April 14, 2018
  - Futsal : April 14, 2018
  - Truss It : April 14, 2018
  - Tug Of War : April 14, 2018
- The III and IV year students have visited the following construction sites:
  - STP JUET ( III Year) : March 24, 2018
  - WTP JUET (IV Year) : March 24, 2018
  - Parbati River Bridge : March 10, 2018
  - SADA Flyover : February 10 & 17, 2018

**E: Student's Achievements**

- Mr. Santosh Sharma (141597), Ms. Sapna Jaiswal (141598) and Ms. Anukrati Joshi (141522) published a paper titled "Experimental studies on waste plastic coated aggregate bitumen matrix" in the International Journal of Advance Research in Science and Engineering, Vol.7, No. 01, pp. 523-535, February 2018.



**CSE students cherishing TACHYON 2018 in a joyful mood.**



**All organizers of TACHYON 2018 capturing memories**

**COMPUTER SCIENCE AND ENGINEERING**

**A: Publications in Journals**

- N Jain, N Rathore and A Mishra, "An Efficient Image Forgery Detection Using Biorthogonal Wavelet Transform and improved Relevance Vector Machine", Wireless Personal Communication, DOI : <https://doi.org/10.1007/s11277-018-5802-6>, May 2018.
- Neha Jain, Shishir Kumar, Amit Kumar, Pourya Shamsolmoali and Masoumeh Zareapoor, "Hybrid Deep Neural Networks for Face Emotion Recognition", Pattern Recognition Letters, DOI: 10.1016/j.patrec.2018.04.010., April 2018.
- V.K. Jain, Shishir Kumar and P Mahanti, "Sentiment Recognition in Customer Reviews Using Deep Learning", International Journal of Enterprise Information Systems, Vol. 14, No. 2, pp.77-86, April 2018.
- N. Jain, N. Rathore and A. Mishra "A Hybrid Extreme Learning Machine with Fuzzy Sigmoid Kernel Based Efficient Image Forgery Detection for Both Copy Move and Spliced Image", Cluster Computing Journal, DOI: 10.1007/s10586-018-2651-8, April 2018.
- N. Rathore, "Performance of Hybrid Load Balancing Algorithm in Distributed Web Server System", Wireless Personal Communication, DOI: 10.1007/s11277-018-5758-6, April 2018.
- V.K. Jain and Shishir Kumar, "Effective surveillance and predictive mapping of mosquito-borne diseases using social media" Journal of Computational Science, Vol. 25, pp. 415-418, March 2018.
- D.K. Jain, Neha Jain, Shishir Kumar, Amit Kumar, Raj Kumar and Haoxiang Wang, "An approach for behavior analysis using correlation spectral embedding method", Journal of Computational Science, Vol. 25, pp. 397-405, March 2018.
- Deepak Kumar Jain, Neha Jain, Shishir Kumar, Amit Kumar, Raj Kumar and Haoxiang Wang, "An approach for behavior analysis using correlation spectral embedding method", Journal of Computational Science, Vol. 25, pp. 397-405, March 2018.
- Anju Shukla, Shishir Kumar and Harikesh Singh, "Load Balancing Approaches for Web Servers: A Survey of Recent Trends", International Journal of Engineering Transactions B: Applications, vol. 31, No. 2, pp. 242-248, February 2018.
- Shishir Kumar, Prabhat Mahanti and Su-Jing Wang, "Intelligent Computational Techniques", Journal of Computational Science, Vol. 25, pp.201-203, February 2018.

**B: Conferences/Seminars/Workshops Organized**

- The Department organized a three-day Refresher Course on 'Python Programming' from May 29 -31, 2018.

**C: Ph.D. Awarded**

- Ph.D. degree was awarded to Mr. Lal Pratap Verma by the University for his thesis entitled, "Optimization of Multi-path Transport using MP-TCP and CMT-SCTP", under the supervision of Dr. Mahesh Kumar in March, 2018.
- PhD degree was awarded to Mr. Ghanshyam Raghuvansi by the University for his thesis entitled, "Efficient Content-based Image Retrieval of Texture and Natural Images" under the supervision of Prof. Vipin Tyagi in March, 2018.
- PhD degree was awarded to Mr. Vinay Kumar Jain by the University for his thesis entitled, "Analysis and Design Intelligent Approaches for Relationship Extraction and Sentiment Analysis", under the supervision of Prof. Shishir Kumar in February, 2018

**F: Establishment of New Laboratories**

- Establishment of IOT Lab
- Establishment of Cloud Computing Lab

**G: Student's activities**

- Following events were conducted by the CSI Students Branch:
  - Applied Python Workshop - 2nd Edition : April 07-08, 2018
  - Data Structures Workshop : March 31-April 01, 2018
  - Kodeathon 18.2 : February 22, 2018
  - Applied Python Workshop : February 20-21, 2018
  - Development Workshop II : February 10-11, 2018
  - Obscura : February 09, 2018



**A working model of ECE during DEXTRA-2018.**



**Live demonstration of a model of ECE, DEXTRA-2018**

- The CSI Students Branch organized “TACHYON”, CSE Annual technical fest during April 14-15, 2018. Following events were conducted during the fest:
  - Infosession on Competitive Programming : April 15, 2018
  - Infosession on Video Editing : April 15, 2018
  - Infosession on Open Source Development : April 15, 2018
  - Cryptic Hunt : April 15, 2018
  - Chaos : April 15, 2018
  - Web VR-AR Hackathon : April 15, 2018
  - Workshop on Data Science : April 15, 2018
  - Workshop on Open Source Development using Python : April 15, 2018
  - Kodeathon 18.5 : April 14, 2018
  - Hackathon : April 14, 2018
  - Oblivion Reloaded : April 14-15, 2018
  - Infosession on Git/Github : April 14, 2018
  - Infosession on Vim : April 14, 2018
  - Treasure Hunt : April 14-15, 2018
  - Code Sprint : April 14, 2018
  - Web VR-AR Workshop : April 14, 2018
  - Quiriosity : April 14, 2018
  - Kodeathon International : April 13, 2018

**H: Student’s Achievements**

- Saurabh Gajrey, Ms. Sikha Mangal and Mr. Anubhav Sharma secured third rank in Jaypee Innovation Concalve held at IIIT Noida, April 29, 2018.

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**A: Publications In Journals**

- Sanjeev Kumar, Ravi Kumar and Rajesh Kumar Vishwakarma, “Microstrip Fed Highly Compact Bluetooth Integrated Wideband Antenna for Wireless Application”, International Journal of Electronics Letters, Vol. 7, No. 2, pp. 11-18, May 2018.
- Sakshi Patel, Prateek Kumar, Shelesh Garg and Ravi Kumar, "Face Recognition based smart attendance system using IOT", International Journal of Computer Sciences and Engineering, Vol. 6, No. 5, pp. 871-877, May 2018.
- Mahesh Kumar Singh, Ashutosh Kumar Singh and Narendra Singh, “Acoustic comparison of electronics using different semitones”, International Journal of Engineering and Technology, Vol. 07, No. 02, pp. 98-101, April 2018.
- Dharmendra Jain, Jitendra Kanungo and S. K. Tripathi, “Enhanced performance of ultracapacitors using redox additive based electrolytes”, Applied Physics-A, Vol. 124, No. 05, pp. 397, April 2018
- Durgesh Nandan, A Mahajan and Jitendra Kanungo, “An efficient architecture of Iterative Logarithmic Multiplier,” International Journal of Engineering and Technology, Vol. 07, No. 02, pp. 24-28, April 2018.
- Sanjeev Kumar, Ravi Kumar, Rajesh Kumar Vishwakarma and Kunal Srivastava, “An Improved Compact MIMO Antenna for Wireless Applications with Band-Notched Characteristics”, AEU-International Journal of Electronics and Communications, Vol. 90, pp.20-29, April 2018.
- Durgesh Nandan, A Mahajan and Jitendra Kanungo, “An efficient VLSI architecture design of Leading One Detector,” International journal of pure and applied mathematics, Vol. 118, No. 14, pp. 267-272., February 2018.
- Mahesh Kumar Singh, Ashutosh Kumar Singh and Narendra Singh, “Disguised Voice with Fast and Slow Speech and its Acoustic Analysis”, International Journal of Pure and Applied Mathematics, Vol. 118, No. 14, pp. 241-246, February 2018.
- Mahendra Singh Yadav, Narendra Singh and Anuj Kumar, “Zinc Oxide Nano particles and Activated Charcol Based Nano composite Electrode for Super capacitor Application ”, Ionincs, Vol. 29, No. 06, PP. 6853-6869, February 2018.

**B: Student’s activities**

- The DEXTRA-2018, technical fest of the department has been organized during April 14-15, 2018. Following events were organized during the period:
  - Model Display Aqua Bot : April 15, 2018
  - Kriger’s Rumble : April 15, 2018
  - Robo Race : April 15, 2018
  - Wall Street : April 14, 2018
  - Crack the game : April 14, 2018
  - Mazeobot : April 14, 2018
  - Kino : April 14, 2018
  - Robo Mania : February 9 & 10, 2018
- Mahendra Singh Yadav, Ph.D. scholar, attended National Conference on Advance Materials and nanotechnology (AMN-2018), held at DPMSE, IIIT, Noida, during March 15-17, 2018.





**Interaction of students with executives at YANTRAVESHAN 2018**



**Movement of Engine made by students of MEC in double height Corridor in, YANTRAVESHAN 2018.**

**MECHANICAL ENGINEERING**

**A: Publications in Journals**

- Priyanka Joshi and Amit Sharma, "Simultaneous Optimization of Kerf Taper and Heat Affected Zone in Nd-YAG Laser Cutting of Al 6061-T6 Sheet using Hybrid Approach of Grey Relational Analysis and Fuzzy Logic", Precision Engineering DOI: <https://doi.org/10.1016/j.precisioneng.2018.06.0070141-6359/c> 2018, June 2018.
- M Sharma, A K Tiwari and D R Mishra, "Sand Bed Solar Stills for Coastal Areas : Studying Heat and Mass Transfer using ANN Model", Int J Eng Res Mech Civ Eng, Vol. 03, pp. 497-501., June 2018.
- Subas Dash and N Singh, "Stability Boundaries for Vortex Breakdowns and Boundaries between Oscillatory and Steady Swirling Flow in A Cylindrical Annulus with a Top Rotating Lid", Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol. 40, No. 7, pp. 336(2-19), May 2018.
- Shailendra Kumar and Bhagat Singh, "Use of Artificial Neural Network and Multi-Objective Genetic Algorithm Approach to Predict and Ascertain Stable Cutting Zone in Conventional Turning Process", Noise and Vibration Worldwide, pp. 1-24, doi.org/10.1177/095745651878200, May 2018.
- Yogesh Shrivastava and Bhagat Singh, "Stable Cutting Zone Prediction in CNC Turning using Adaptive Signal Processing Technique Merged with Artificial Neural Network and Multi-Objective Genetic Algorithm", European Journal of Mechanics-A/Solids, doi.org/10.1016/j.euromechsol.2018.03.009, March 2018.
- Shailendra Kumar and Bhagat Singh, "Chatter Prediction using Merged Wavelet Denoising and ANFIS", Soft Computing, DOI: 10.1007/s00500-018-3099-8, March 2018.
- Pankaj Dumka and Dhananjay R. Mishra, "Energy and Exergy Analysis of Conventional and Modified Solar Still Integrated with Sand Bed Earth: Study of Heat and Mass Transfer", Desalination, Vol. 437, pp. 15-25., March 2018.

**B: Publication of Book Chapter**

- Priyanka Joshi, Amit Sharma, Vinod Yadava and Yashwant Kumar Modi, "Nd: YAG Laser Cutting of Ni-Based Superalloy Thin Sheet: Experimental Modeling and Process Optimization", in Application of Lasers in Manufacturing. DOI: [https://doi.org/10.1007/978-981-13-0556-6\\_8](https://doi.org/10.1007/978-981-13-0556-6_8); Springer, Singapore, June, 2018.

**C: Conference/Seminar/Workshop Participated**

- Dr. D R Mishra delivered an invited talk on "An overview on active and passive solar stills", in 6th International Conference on "Pollution and It's Control through Agriculture, Pharmacy, Science and Technology", organized by Swami Vivekanand University, Sagar, MP on February 28, 2018.
- Dr. Yashwant Kumar Modi delivered three invited lectures in two-day FDP on "Additive Manufacturing (3D Printing)" organized by Symbiosis University of Applied Sciences (SUAS), Indore, MP on February 16, 2018.
- Dr. Yashwant Kumar Modi delivered two invited expert lectures on Additive Manufacturing and its applications in QIP-AICTE sponsored six-day STTP on "Additive Manufacturing: Theory and Practice" organized by IIT, BHU, Varanasi, UP on February 05, 2018.

**D: Projects/Grants**

- Dr. Yashwant Kumar Modi received MPCST, Bhopal sponsored research project titled "To Investigate calcium sulphate and silicate based scaffold useful in human anatomy and development of materials using 3D printing" amounting to Rs. 6.45 Lakhs, vide Sanction Letter No. 3965 /CST/R&D/Phy&Engg/2017-18 dated 31/03/2018.

**E: Student's activities**

- The Student's Forum Mechanical Engineering Society (MES) organized "YANTRAVESHAN 2018", MEC annual technical fest during April 14-15, 2018. Following events were conducted during the fest:
  - Egg Drop Challenge : April 15, 2018
  - Junkyard Wars : April 15, 2018
  - Monorace : April 15, 2018
  - Maglev : April 14, 2018

**F: Student's Achievements**

- Siddharth Gupta (151877), Anvesh Tiwari (151817) and Abhishek sharma (151804), B. Tech. III year students have been awarded with a certificate of Merit in "Jaypee Innovation Conclave" held at IIIT Noida, UP for their project titled "Algae Air Purifier", April 16-17, 2018.
- Prashant Shrivastava, Ph.D. Scholar (Er. No. 143202) has been awarded "Young Scientist Award" in 33rd MP Young Scientist Congress sponsored by MPCST, Bhopal on March 16, 2018.
- Team 'ARDENT CLAN' comprising of 17 B. Tech. students participated in "Ralley Car Design Challenge (RCDC-2018) competition held at Bikaner, RJ during February 23-25, 2018.



**Four Ph.D. degrees awarded by university during February to June, 2018**

Departments	No. of Ph.D Awarded
MATHS	01
CSE	03

**CHEMISTRY**

**A: Publications In Journals**

- Surendra Kumar Parashar, Sunil Kumar Srivastava, NN Dutta and Vijay Kumar Garlapati, "Engineering aspects of immobilized lipases on esterification: A special emphasis of crowding, confinement and Diffusion effects", Engineering in Life Science, Vol. 18, pp. 308-316, May 2018.
- Sunil Kumar Srivastava and AL Ramanathan "Assessment of landfills vulnerability on the groundwater quality located near floodplain of the Perennial River and simulation of contaminant transport", Modeling Earth System and Environment, Vol 4, No. 02, pp. 729-752, April 2018.

**MATHEMATICS**

**A: Publications In Journals**

- D.S. Hooda, Reetu Kumari and D.K. Sharma, "Intuitionistic Fuzzy Soft Set Theory and Its Application in Medical Diagnosis" International Journal of Statistics in Medical Research, Vol. 7, No. 3, pp. 70-76, June 2018.
- Rajnee Tripathi and H.K. Mishra, "Application of Homotopy Perturbation Method Using Laplace Transform Intended for Determining the Temperature in the Heterogeneous Casting-Mould System" Differential Equations and Dynamical Systems, DOI: 10.1007/s12591-018-0417-7, pp. 1-21, April 2018.

**B: Ph.D. Awarded**

- Ph.D. degree was awarded to Mr. Rishi Kumar Pandey by the University for his thesis entitled "Homotopy Analysis Sumudu Transform Method for Fractional order Partial Differential Equations" under the supervision of Dr. Hridayesh Kumar Mishra, in March, 2018.

**PHYSICS**

**A: Publications In Journals**

- R Verma, SN Kane, S Raghuvanshi, M Satalkar, S.S. Modak, and F Mazaleyrat, "Synthesis, structural and magnetic properties of Mg<sub>0.6</sub>Zn<sub>0.4</sub>CrxFe<sub>2-x</sub>O<sub>4</sub> (0.0 ≤ x ≤ 2.0) nano ferrite" AIP Conference Proceedings, Vol. 1953(1):030135, DOI: DOI: 10.1063/1.5032470, May 2018.
- K Gehlot, S.S. Modak, LK Varga, SN Kane, "Time dependent Micro-structural and Magnetic Properties of Nano crystalline Fe<sub>67.6</sub>Co<sub>16.9</sub>Nb<sub>5</sub>B<sub>8.5</sub>P<sub>2</sub> Metallic Alloy", JOJ Material Science, Vol. 4, No. 02, pp. 1-4, April 2018.
- Mahendra Singh Yadav, Narendra Singh and Santosh M. Bobade, "Zinc Oxide Nanoparticles and Activated Charcoal Based Nanocomposite Electrode for Supercapacitor Application", Ionics, DOI 10.1007/s11581-018-2527-1, March 2018.

**HUMANITIES AND SOCIAL SCIENCES**

**A: Conference/Seminar/Workshop Participated**

- Mr. Shekhar Singh and Mrs. Tamanna Agarwal attended one-day FDP on 'Multi criteria Decision Making' at SIOM Nashik, Maharashtra, on February 18, 2018.
- Mr. Shekhar Singh participated in the International conference RCOSCM - research conference of SCM at SIOM Nashik, Maharashtra on February 17, 2018.

**FACULTY OF MATHEMATICAL SCIENCES**

**A: Publications In Journals**

- G. Raghuvanshi and Vipin Tyagi, "Feed-forward content based image retrieval using adaptive tetrolet transforms", Multimedia Tools and Applications, pp. 1-22, DOI: 10.1007/s11042-018-5628-y, Feb 2018.

**B: Conference/Seminar/Workshop Participated**

- Prof. Vipin Tyagi participated in an International conference ICACDS at Uttranachal University, Dehradun as Co-convener of the conference during April 20-21, 2018.

**C: Books Published**

- Vipin Tyagi, "Content based Image retrieval: Ideas, influences and current trends", Springer Singapore Publisher, 2017 DOI 10.1007/978-981-10-6759-4, eBook ISBN 978-981-10-6759-4, Hardcover ISBN 978-981-10-6758-7.
- Pradeep Kumar Gupta, Amit Kumar Singh, Vipin Tyagi, S. P. Ghrera (2017). Proceedings of 2017 Fourth International Conference on Image Information Processing (ICIIP-2017). USA: IEEEExplore digital Library. [ISBN : 978-1-5090-6733-6]

**D: BOS Meeting**

- Second meeting of the Department's BOS was held on May 22, 2018.



**Shirley Setia at Annual Fest D'Equinox 2018**



**Fourth Year students at their ADIOS (Farewell) on April 18, 2018.**

**TRAINING AND PLACEMENT**

- 148 in-campus recruitment companies have visited and more than 35 off-campus recruitment opportunities provided for 2018 batch recruitment process by companies like Amazon, SAP Labs, OLA-Cab, HSBC, Infosys, Wipro, Cognizant, Capgemini, MapMy India, HCL Technology, Ericsson, NTT Data, Directi, Kuliza, Sumologic, Grab Pay, Mobistac, ArgilDX, Code Nation, Xseed, M-Tree, PayTm, India Mart, Newgen, Hexaware, Minzar, Zycus, Newgen, Abeyti, Gemalto, Grapecity, Byju's, Naukri.com, XI Caltin, Centralk Labs, Collabera, Hashedin, Adani Wilmar, Sanghi Cements, Vadraj Cement, IRT Digital Analytic Solution Ltd., Reliance Jio, Lava International, RTDS, Vihan Networks Ltd. JMC Projects (Kalpataru Group), Bridgecon Infra, Dilip Buildcon Ltd., Shobha Developers, L&T, Simplex Infra Ltd., Paperpedia, DHL, Ahuja Consultant, Nirma Ltd., Nirmax Cement, Jaypee Fertilizer, Mahindra & Mahindra Ltd., JSW Steels Ltd., Bosch Ltd., John Deere, Liu Gong, DHL, Vihan Networks Ltd., Lutron, Ahuja Consultants, etc.

The highlight for placement offers is as follows:-

- CSE student Varun Singh received highest package of 37 Lakhs PA by GRAB, Singapore.
- CSE student Kumar Saurabh received package of 24.48 Lakhs PA by Blizzard Entertainment, USA.
- CSE student Varun Singh received package of 19 Lakhs PA by Mobistac.
- CSE student Siddhant Choudhary received package of 14 Lakhs PA by Xseed.
- ME student Sunil Hingorani received package of 11 Lakhs PA by Byju's.
- More than 25 companies offered package above 15 Lakhs PA CTC.
- Overall placement percentage offer wise is 183%.
- 126 Students are placed in more than one company.
- 86 students (less than 6 CGPA) are also placed.

**JUET YOUTH CLUB (JYC)**

- Following activities have been conducted by various wings of JYC:
  - International Yoga day : June 21, 2018
  - World Environmental Day : June 04, 2018
  - Adios - Farewell : April 28, 2018
  - Sham-e-Ghazal : April 12, 2018
  - D'Equinox 2018 : February 16-18, 2018

**PROMOTIONS AND APPOINTMENTS**

- Dr. Narendra Singh (ECE) and Dr Mahesh Kumar (CSE) promoted from Assistant professor (SG) to Associate professor.
- Shri V. C. Pandey, promoted to Chief Finance Controller from Chief Finance & Account Officer.
- Dr. Ajay Kumar (CSE), Dr. Deepak Sharma (ECE), Dr. Subodh Kumar Singhal (ECE), Dr. Rajneesh Atre (PHY), Dr Salil Modak (PHY) and Dr. Bali Ram Gupta (MA) promoted from Assistant Professor (G-II) to Assistant Professor (SG).
- Dr. Kamini Bhasin (HSS), Mr. Abhishek Verma (CE), Mr. Pankaj Gupta (MEC), Mr. Rohit Mishra (MEC), Mr. Shrinarayan Yadav (CE) and Mr. Amit Kelotra (CE), promoted from Assistant Professor (G-I) to Assistant Professor (G-II).
- Mr. Neelesh Kumar Rajnikant Patel, Mr. Sudeep Sharma, Mr. K.P.Mishra, Mr. Vivek Tiwari, Mr. Shashibhan Singh, Mr. Himmat Singh, Mr. Ram Gopal Namdeo, Mr. Markandey Tiwari, Mr. Dheeraj Singh, Mr. Govind Singh and Mr. Megh Nath Musup have been given special increment.
- Twelve Staff Members (Mr. Manoj Kumar Tiwari, Mr. Hansmukh Kumhar, Mr. Mohan Agarwal, Mr. Ratnesh Kumar Tiwari, Mr. Atul Kumar Singh, Mr. Amin Chand Sharma, Mr. Hira Singh Jayala, Mr. Narayan Singh, Mr. Swapnil Verma, Mr. Dev Prakash Singh, Mr. Vikas Shukla, Mr. Hrishikesh Pandey) have been promoted to NT-5 from NT-6 grade and seventeen staff members (Mr. Santosh Khernar, Mr. Dharmendra Sharma, Mr. Navneet Ram Jatav, Mr. Manoj Shrivastava, Mr. Bhanu Pratap Arya, Mr. Raju Kumar Arya, Mr. Sanjay Kumar Jain, Md. Ikram Hussian, Mrs. Aastha Sharma, Mr. Dileep Kumar Mishra, Mr. Sampat Lal Sahu, Mr. Hari Prasad Gupta, Mr. B.P. Nautiyal, Mr. Nitin Vatsa, Mr. Rajendra Kumar Meena, Mr. Bipin Jha, Mr. Rishi Kumar Tiwari) have been promoted to NT-6 from NT-7 grade.

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