



* VOL. 8 NO.1 OF JUET CHRONICLE COVERS INFORMATION FROM AUGUST 2017 TO JANUARY 2018.

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Editorial Board

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



Contact:

contact@juet.ac.in

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UNIVERSITY RECOGNITIONS

- Achievements of the university for the period under review are as under :
 - Ranked 55 based on CodeChef Coding Platform Long Challenges in October 2017. In November 2016, the rank was 386.
 - Awarded "Best Accredited Student Branch Award" by Computer Society of India (CSI).

VISIT OF DIGNITARIES

- Dr. Ganesh Hegde (Deputy Advisor of NAAC) visited JUET Campus on December 26, 2017 and addressed on IQAC new and modified parameters.
- Prof. Rajeev Tripathi, Director, Motilal Nehru Institute of Technology, Allahabad visited the JUET campus and delivered a lecture to students on November 20, 2017 on Career Prospects in IT industry and also interacted with the faculty members regarding teaching learning methodology for better placements of students.
- Mr. Manu Kuchhal, Director, Wipro Technologies, Bangalore visited JUET campus and delivered a lecture on Cognitive Search Engineering to the B.Tech. III & IV year students and delivered another lecture on current trends in IT industry for B.Tech. I & II year students on November 18 & 19, 2017.
- Six IAS Officers (Ms Juhi Rai, Mr. Anayat Ali Choudhary, Ms Divya Murgesan, Mr. Akshay Sridhar, Mr. Neeraj Chandel, Mr. Shailesh Choudhary) visited campus on November 12, 2017.
- Dr. Lava Bhargava, Malaviya National Institute of Technology, Jaipur visited JUET campus on September 02, 2017.
- A team of UGC nominees visited JUET, Guna on September 23, 2017 in connection with Swachhta Ranking of Higher Educational Institutions by Ministry of HRD, Govt. of India.
- Dr. Carsten Mueller, ITG Numerberg, Germany, visited JUET Campus during August 13-19, 2017 for the conduction of workshop on 'Advancements in Software Engineering'.

INTERACTION BY HONORABLE VICE CHANCELLOR

- Honorable Vice Chancellor Prof. J. S. P. Rai interacted with all faculty members of university on December 8, 2017 and expressed his views about various aspects of improvement of University.

ADDRESS BY BRIG. (RETD) S.K.S. NEGI, REGISTRAR AND DEAN (SW)

- B.Tech. 1st year students for Orientation, Feedback and Impressions on August 01, 2016 and November 07, 2017.
- For precautions and safety on September 14, 2017 to security personnel.
- B.Tech. 2nd year students on September 21, 2017 for focus on placement oriented studies.

IMPORTANT ACADEMIC EVENTS

- Seventh meeting of Academic Council and Fourteenth Meeting of Board of Management was held on December 09, 2017.
- All the faculty members and research scholars of JUET and two external participants participated in Seminar on topic "IQAC and Quality Enhancement for Higher Educational Institutions" held on Dec 26, 2017.

ACADEMIC VISITS BY NEARBY SCHOOLS

- Students of Modern School, Guna visited the campus on January 04, 2018.
- Fifty girl students of Govt. Excellence Higher Secondary School, Raghogarh visited the campus on December 31, 2017. Shashkiya Uchhtar Madhyamik Vidhyalay, Ruthiyai visited the campus on December 30, 2017.



**Dr. Ganesh Hegde,
Deputy Advisor, NAAC
addressed on modified
parameters of IQAC on
December 26, 2017.**



**“AutoCAD Student
Workshop” held on
January 23, 2018
organized by CEF, JUET.**

- Eighty six students of Shashkiya Uchchar Madhyamik Vidhyalay, Raghogarh & 42 students of Shashkiya Uchchar Madhyamik Vidhyalay, Ruthiyai visited the campus on December 30, 2017.

VISITS BY PROFESSIONALS

- Lions Club officials organized an Eye Checkup Camp and checked the eyes of JUETians on November 30, 2017.
- Reliance JIO officials visited the campus for installation of Tower & WiFi network in JUET, Guna on November 28 2017.

ALUMNI ACHIEVEMENTS

- Ms. Sanya Alumnus of B.Tech-CE of 2013-17 batch has been offered admission for Masters Program at IISc, Bangaluru.
- Ms. Anupriya Pandey Alumna of B.Tech-CE 2013-17 batch got admission for Masters Program on construction planning and management at Texas A&M.
- Piyush Gandhi Alumnus of B.Tech-CSE 2012-16 batch has joined SAP Labs India as an Associate Developer in February, 2018.
- Sudeep Srivastava Alumnus of B.Tech-CE 2012-16 batch has acted in one of the serials on ZEE TV and Colors.
- Ankush Jain Alumnus of B.Tech-CSE 2011-15 batch has successfully completed the AWS certification for Architect-Associate.
- Pooja Parwani Alumna of B.Tech-CSE 2011-15 Batch Secure 99.74 Percentile in CAT 2017 examination.
- Naina Melhotra Alumna of B.Tech-CE 2010-14 batch awarded by Infosys for her exceptional contribution in UI development under market facing and provider facing portfolios.

ACHIEVEMENTS (FACULTY WISE)

FACULTY OF ENGINEERING

CHEMICAL ENGINEERING

A: Publications In Journals

- Rahul Shrivastava, Hari Mahalingam and N.N. Dutta, “Optimum parameters for fault detection in bioreactor using support vector machine and neural network”, International Journal for Research in Applied Science & Engineering Technology, Vol. 5, No. 10, pp. 354-364, October 2017.

B: BOS Meeting

- Seventh meeting of the Department’s BOS was held on November 23, 2017.

CIVIL ENGINEERING

A: Publications In Journals

- Gandhi. S, “Effect of Corrugated Bed on Flow Characteristics in Rectangular Open Channel”, World Journal of Technology, Engineering and Research, Vol. 1 Issue 3, pp 350-358, January 2018.
- Abhishek Verma, Jeevan Meena, Krishna Murari and Ravindra Goliya, “Experimental Investigation on Durability Properties of Concrete Using Ceramic Waste Electric Insulator Powder As A Partial Replacement of Cement”, Journal of Material Science and Surface Engineering, Vol. 6, Issue 1, pp 733-738, January 2018.
- Abhishek Verma, Krishna Murari, Shivanshu Awasthi, Shivank Kansal, Nitin Okte and Yash Goyal, “Recycled Aggregate from C&D Waste Modified by Dry Processing and Used as A Partial Replacement of Coarse Aggregate in Concrete”, Journal of Material Science and Surface Engineering, Vol. 5, Issue 7, pp 671-678, 2017. October, 2017 DOI-N: 10.jmsse/2348-8956/5-7.1
- Abhishek Verma and Jeevan Meena, “Experimental Study of Ceramic Waste Electric Insulator Powder used as a Partial Replacement of Cement in Concrete”, Journal of Material Science and Surface Engineering, Vol. 5, Issue 4, pp 581-584, August 2017.

B: BOS Meeting

- Seventh meeting of the Department’s BOS was held on November 24, 2017.

C: Student’s Activities

- The Civil Engineering Forum (CEF) organized the following events during August 2017 to January 2018:
 - AutoCAD Student Workshop on January23, 2018.
 - Atharva 2.0 on November20, 2017
 - Tech Charadeso on October 07,2017

D: Faculty Achievement

- Prof. S. Arunachalam has been awarded the “Bharat Vikas Award” on November19, 2017, by the Institute of Self Reliance, Bhubaneswar.



Free Eye checkup camp for JUETians by Lions Club Officials on November 30, 2017

E: Student's Achievement

- Mr. Santosh Sharma, Ms. Sapna Jaiswal and Ms. Anukrati Joshi published a research paper titled "Experimental studies on waste plastic coated aggregate bitumen matrix" in the International Journal of Advance Research in Science and Engineering Vol.7, Issue 01, pp.523-535, January 2018.
- Mr. Santosh Sharma attended the First International Conference on NextGen Technologies 2018, held at Sengunthar Engineering College, Namakkal (T.N.) on January 05-06, 2018.
- Adarsh Singh cleared CAT as well as NICMAR-ACM (Advanced Construction Management) exam in December 2017.
- Mr. Shashank Tiwari and Ms. Dishy Agarwal published a research paper titled, "Rainfall Threshold of Himalayan Region using Matlab", in the International Journal of Engineering Technology Science and Research, Vol. 4, Issue 12, pp.328-390, December 2017.
- Mr. Santosh Sharma presented a paper titled "Design of perpetual pavement as a sustainable alternative to the conventional flexible pavement: a Case study, Guna to JUET Campus (NH-3) Madhya Pradesh, India" at the 2nd International Conference on Construction, Real Estate, Infrastructure and Project (CRIP) Management on November 10-11, 2017.
- Mr. Santosh Sharma presented a paper titled "An investigation on characteristics properties of waste plastic coated aggregate - bitumen matrix for road applications at the National conference on Road and Transport (NCORT -2017)" held at Indian Institute of Technology, Roorkee, October 14-15, 2017
- Mr. Kumar Raghavendra, Mr. Ayush Choudhary, Mr. Ashutosh Kumar Tiwari and Mr. Shrinarayan Tiwari participated in Bridge Designing Workshop, "Rendezvous 2017" at IIT Delhi in collaboration with BRCA during October 13-16, 2017.

COMPUTER SCIENCE AND ENGINEERING

A: Publications in Journals

- Amit Kumar Srivastava and Shishir Kumar, "Dynamic Reconfiguration of robot software component in real time distributed system using clustering techniques", Procedia Computer Science, Vol.125, pp.754-761, January 2018.
- Ghanshyam Raghuwanshi, Vipin Tyagi, "Feed-forward content based image retrieval using adaptive tetrolet transforms", Multimedia Tools and Applications, pp. 1-22, 2018, January 2018.
- Neeraj Kumar Rathore and Harikesh Singh, "Analysis of Grid Simulators Architecture", i-manger's Journal on Mobile Applications and Technologies, Vol.4, Issue 2, pp.32-41, December 2017.
- Prateek Pandey, Shishir Kumar and Sandeep Shrivastava, "An Efficient Time Series Forecasting Method Exploiting Fuzziness and Turbulences in Data", International Journal of Fuzzy System Applications, Vol.6, Issue 4, pp 25-40, December 2017.
- Neelesh Jain, N Rathore and A Mishra "An Efficient Image Forgery Detection Using Biorthogonal Wavelet Transform and Improved Relevance Vector Machine with Some Attacks", Interciencia Journal, Vol.42, Issue 11, pp. 95-120, November 2017.
- Nileshkumar R. Patel and Shishir Kumar, "Energy-Efficient Approach for Effective Estimation of Delimited Node Position with Limited References", The Computer Journal, Oxford Academic, November 2017, <https://doi.org/10.1093/comjnl/bxx102>.
- Varun Kumar Sharma and Mahesh Kumar, "Adaptive Energy Efficient Load Distribution using Fuzzy Approach", Adhoc & Sensor Wireless Networks 2017, Vol. 39 Issue 1-4, pp.123-166, October 2017.
- Ajay Kumar and Shishir Kumar, "Density Based Initialization Method for K-Means Clustering Algorithm", International Journal of Intelligent System and Applications (IJISA), Vol.9, No.10, pp.40-48, October 2017.
- Shishir Kumar and Dinesh Verma, "Empirical Validation Of Defect Density Prediction Using Static Code Metrics", Journal of Advanced Information Sciences and Service Sciences(AISS), Vol.9, No.2, pp.57-66, September 2017.
- Nileshkumar R. Patel and Shishir Kumar, "Enhanced Clear Channel Assessment for Slotted CSMA/CA in IEEE 802.15.4", Springer Wireless Personal Communication, Vol.95, No.4, pp.4063-4081, August 2017.
- Amit Kumar Srivastava and Shishir Kumar, "An Effective Computational Technique for Taxonomic Position of Security Vulnerability in Software Development", Journal of Computational Science, <https://doi.org/10.1016/j.jocs.2017.08.003>, August 2017.

B: Publications in Conference Proceedings

- Neelesh Jain, Neeraj Kumar Rathore and Amit Mishra, "An Efficient Image Forgery Detection Using Biorthogonal Wavelet Transform and Singular Value Decomposition" in 5th International conference on Advance Research Applied Science, Environment, Agriculture & Entrepreneurship Development (ARASEAED), Bhopal organized & sponsored by Janparishad, JMBVSS & International Council of people at Bhopal (M.P.) India, pp.274-281, held on December 04-06, 2017.
- Shipra Shukla and Mahesh Kumar, "Improving Convergence in iBGP Route Reflectors. Advances in Electronics, Communication and Computing", Lecture Notes in Electrical Engineering, Springer, Singapore, Vol. 443, pp.381-388, held on October 29, 2017.



Dr. Carsten Mueller during inaugural ceremony of workshop "Advancements in Software Engineering (ASE-2017)" held on August 13-19, 2017



**BITWISE- JUET
Programming HUB
executed Kodeathon
17.1 on September 17,
2017**



**TACHYON-2018: Financial
Support sanctioned by GAIL
(India) Ltd., Vijaypur**



C: Conference/Seminar/Workshop Participated

- Prof. Shishir Kumar delivered an invited lecture on “Software Quality Assurance” in Sixth IEEE International Conference on System Modeling and Advancements in Research Trends (SMART-2017) organized at Teerthankar Mahaveer University, Moradabad, UP, India during December 29-30, 2017.
- Prof. Shishir Kumar delivered an invited lecture on “Intelligent Computational Systems” and chaired a technical session in Second International Conference on Soft Computing: Theories and Applications” organized at Bundelkhand University, Jhansi, UP, India during December 22-24, 2017.
- Mr. P. S. Banerjee attended National Conference on “Recent Advancement in Computing, Communication and Bioinformatics (RAC2B-2017)” organized by Department of Computer Science & Engineering, NIT Raipur, sponsored by TEQIP-III in association with CSI Raipur Chapter, IEI CG, India held on December 09, 2017.
- Mamta Pandey attended a conference on “Perception based classification of mobile Apps: A Critical review” in International Conference on Computational Strategies for Next Generation Technologies (NEXTCOM-2017), CT Institute of Engineering, Management & Technology Shahpur, Jalandhar, Punjab, India held on November 25-26, 2017.

D: Conferences/Seminars/Workshops organized

- Workshop on “Advancements in Software Engineering (ASE-2017)” has been organized during August 13-19, 2017.

E: BOS Meeting

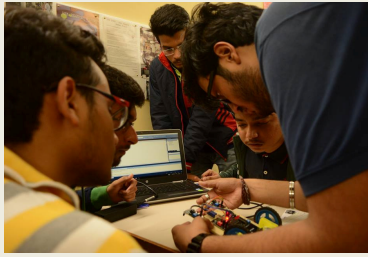
- Tenth meeting of the Department’s BOS was held on November 18, 2017.

F: Student’s activities

- The Students branch of Computer Society of India and Mozilla Phoenix Club organized following events:
 - Oblivion 5.0 : January 20-21, 2018
 - KodeAthon-18.1 & 18.2 : January 17-18, 2018
 - Graphic Designing Workshop : January 13-14, 2018
 - Video Making Competition : January 12, 2018
 - Rust Programming Workshop : January 07, 2018
 - Hour of Code : December 06, 2017
 - Oblivion : November 17-18, 2017
 - Front-end Development Workshop : November 12-15, 2017
 - Firefox quantum Sprint : November 12-13, 2017
 - Web Designing Workshop : November 10-11, 2017
 - Trace it Out/Debugging Quiz : November 04, 2017
 - C Programming Workshop-II : October 06-07, 2017
 - Typolympics : October 04, 2017
 - War for Tresor : September, 28, 2017
 - C Programming Workshop-I : September, 23-24, 2017
- BITWISE- JUET Programming HUB has been created in August, 2017 to promote programming culture in the University. Following activities are conducted under this HUB:
 - Kodeathon 18.2 : January 18, 2018
 - Kodeathon 18.1 : January 17, 2018
 - Kodeathon 17.3 : November 03, 2017
 - Kodeathon 17.2 : November 02, 2017
 - Kodeathon 17.1 : September 27, 2017
- **TACHYON-2018: Tech-Fest of CSE departments is schedule to be held on April 14-15, 2018. GAIL (India) Ltd. Vijaypur sanctioned financial support of Rs. 1.0 Lac for this event.**

G: Student’s Achievements

- Rahul Verma, Satyam Prakash Pandey and Sarthak Birla were first, second and third position holder among all batches student in Kodeathon 18.2 held on January 18, 2018.
- Prakhar Pandey, Soumya Mukhija and Shubhank Khare were first, second and third position holder among all 1st year students in Kodeathon 18.1 held on January 17, 2018.
- Sandal Jain, Akshat Khatri and Rahul Verma were first, second and third position holder among all batches student in Kodeathon 17.3 held on November 03, 2017.
- Prakhar Pandey, Vidushee Amoli, and Soumya Mukhija were first, second and third position holder among all 1st year students in Kodeathon 17.2 held on November 02, 2017.
- Rahul Verma, Sandal Jain and Pawan Kumar Mishra were first, second and third position holder among all batches student in Kodeathon 17.1 held on September 27, 2017
- Shubham Shukla is awarded “Highest Committed Student Branch Activist” by CSI.
- Rishabh Atray, CSE Final year student has been selected to represent India in Global Financial Forum in Afghanistan during July 24 to August 01, 2018.
- Rishabh Atray, CSE Final year student has been selected for admission in IIM Rohtak.



Technical activity by ISF, JUET held on September 27-28, 2017.



ECE Students are enjoying hand on activity conducted by ISF on November 10, 2017.

H: Awards and Honours

- Computer Society of India (CSI) Academic Award “Longest Continuous Student Branch Counsellor (SBC)” to Dr. Amit Kumar.

ELECTRONICS AND COMMUNICATION ENGINEERING

A: Publications In Journals

- Mahendra Singh Yadav, Narendra Singh and Anuj Kumar, “Synthesis and characterization of zinc oxide nanoparticles and activated charcoal based nanocomposite for supercapacitor electrode application”, International Journal of Materials Science: Materials in Electronics (<https://doi.org/10.1007/s10854-018-8672-5>), January 2018.
- Sanjeev Kumar, Rajesh K. Vishwakarma, Ravi Kumar, “Slotted Circularly Polarized Microstrip Antenna for RFID Application,” Radio Engineering Journal, vol. 26, no.34, pp. 1025-1032, December 2017.
- Durgesh Nandan, J. Kanungo and A. Mahajan, “Implementation of Leading One Detector based on reversible logic for logarithmic arithmetic,” International Journal of Computer Applications, Vol.173 , No. 8, pp. 40-45, September 2017.

B: Conferences/Seminars/Workshops Participated

- Rajesh Kumar Vishwakarma attended the One Week Short Term Course on Numerical Methods in Electromagnetics organized by Madhav Institute of Technology and Science, Gwalior January 27-31, 2018
- Dr. Rajesh Kumar Vishwakarma delivered invited lecture on Microstrip patch antenna for modern communication system to Dr. Ram Manohar Lohia Avadh University Faizabad, Department of Physics and Electronics, December 19, 2017
- Dr. Deepak Sharma presented a paper entitled “Robust Invisible Watermarking Scheme Based on Random DFRFT” in National Conference on Recent Advancement in Computing, Communication and Bioinformatics at National Institute of Technology, Raipur in December 09, 2017.
- Durgesh Nandan, Anurag Mahajan and Jitendra Kanungo, “An Efficient antilogarithmic converter by using 11-regions error correction scheme,” IEEE 4th International Conference on Signal Processing, Computing and Control (ISPC 2017), JUIT, Wagnaghat, September 21-23, 2017
- Sanjeev Kumar, Ravi Kumar, Rajesh Kumar Vishwakarma, Devesh Sharma, “A Compact Printed Monopole Antenna with Symmetrical I and Rectangular Shaped Slots for WLAN/WiMAX Applications”, IEEE, International Conference on Information, Communication, Instrumentation and Control (ICICIC-2017), Indore, India, August 17-19, 2017, paper id:126.

C: Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Abhishek Choubey by the University for his thesis entitled “Parallel VLSI architecture for lifting 2-D DWT using rsdix-8 booth multiplier” under the supervision of Prof. B.K Mohanty on December 28, 2017.
- Ph.D. degree was awarded to Mr. Vikas Tiwari by the University for his thesis entitled “Efficient VLSI architectures for DWT and DWPT based on data-path study” under the supervision of Prof. B.K Mohanty on December 27, 2017.
- Ph.D. degree was awarded to Mr. Deepak Sharma by the University for his thesis entitled “Studies on Image Encryption, Compression and Watermarking using Multiple Parameter Discrete Fractional Fourier Transform” under the supervision of Prof. Rajiv Saxena and Dr. Narendra Singh on November 19, 2017.

D: BOS Meeting:

- Eighth meeting of the Department’s BOS was held on November 22, 2017.

E: Student’s activities

- The IETE Student’s Forum (ISF) organized following events:
 - Solder on and Crack the Circuit : September 27 & 28, 2017
 - Battle of Bots : November 10, 2017
 - Tail Spin : September 16, 2017
 - Orientation for first year students : September 15, 2017
- ISF organized robotics class on August 18, 2017.

MECHANICAL ENGINEERING

A: Publications in Journals

- Shailendra Kumar and Bhagat Singh, “Prediction of tool chatter and metal removal rate in turning operation on lathe using a new merged technique”, Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer, Vol. 40, No. 1, pp. 1-27, January 2018,
- Yogesh Shrivastava and Bhagat Singh, “Estimation of Stable Cutting Zone in Turning based on Empirical Mode Decomposition and Statistical Approach”, Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer, Vol. 40, No. 2, pp. 1-25, January 2018.



**Students participating in
“Hawk Eye Event”
organized by MES, JUET
on November 03, 2017.**

- Amit Sharma and Vinod Yadava, “Experimental Analysis of Nd-YAG Laser Cutting of Sheet Materials, Optics and Laser Technology”, Vol. 98, pp. 264-280, January 2018.
- K. Hidouri, D. R. Mishra, A. Benhmidene, and B. Chouachi, “Experimental and theoretical evaluation of a hybrid solar still integrated with an air compressor using ANN,” Desalin. Water Treat., Vol. 88, pp. 52–59, September 2017.
- K. Hidouri, A. Benhmidene, B. Chouachi, D. R. Mishra, and A. Houas, “Adsorption of Phenolic Compounds on Activated Carbon DSAC36-24,” World Acad. Sci. Eng. Technol., Vol. 11, no. 8, pp. 601–606, September 2017.
- Khaoula Hidouri, Dhananjay R Mishra, “Experimental Evaluation of Influence of Air Injection Rate on a Novel Single Slope Solar Still Integrated with an Air Compressor”, Global Journal of Researches in Engineering: A Mechanical and Mechanics Engineering, Vol. 17, Issue 3(Ver. 1), pp. 30–39, August, 2017.

B: Publications In Conference Proceedings

- Yogesh Shrivastava and Bhagat Singh, “Application of EEMD in determining tool chatter behavior using ANN approach,” In Proceedings of 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2017), Indian Institute of Technology Madras, Chennai, ISBN: 978-93-80689-28-9, pp. 745-748, December 07-09, 2017.

C: Student’s activities

- The Student’s Forum Mechanical Engineering Society (MES) organized the following events:
 - Science Trick Events : January 16, 2018
 - LOGO Design Contest : November 11, 2017
 - Hawk Eye Event : November 03, 2017
 - Orientation Session of first year students : September 25, 2017

D: BOS Meeting:

- Ninth meeting of the Department’s BOS was held on November 25, 2017.

CHEMISTRY

A: Publications In Journals

- Surendra Kumar Parashar, Sunil Kumar Srivastava, N.N. 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, DOI: 10.1002/elsc.201700082, January 2018

B: Conferences/Seminars/Workshops Participated

- Prof. P. K. Singh delivered 12 guest lectures at IIT (ISM) Dhanbad (Jharkhand) during January 29-31 2018 on “Cement Technology” to the students pursuing M.Tech in Fuel and Mineral Engineering.

C: BOS Meeting

- Seventh meeting of the Department’s BOS was held on November 23, 2017.

MATHEMATICS

A: Publications in Journals

- B.R. Jaiswal and B.R. Gupta, “Stokes Flow over a Non-Newtonian Encapsulated Drop of Another Liquid: Effect of Stress Jump” Journal of porous media, Vol. 20, No.9, pp.807–821, November 2017.
- V. Mishra and B.R. Gupta, “Motion of a permeable shell in a spherical container filled with non-Newtonian fluid”, Applied Mathematics and Mechanics, Vol. 38, No.12, pp.1697–1708, November 2017.
- P. Rani, D. Jain and V. P. Saxena, “Stability Analysis of HIV/AIDS Transmission with Treatment and Role of Female Sex Workers”, International Journal of Nonlinear Sciences and Numerical Simulation, Vol.18, No.6, pp. 877-889, October 2017.
- Arunodaya Raj Mishra, Reetu Kumari and D. K. Sharma, “Intuitionistic fuzzy divergence measure-based multi-criteria decision-making method”, Neural computing and applications, Vol.28, No.11, pp. 1-16, September 2017.
- P. Rani and D. Jain, “Intuitionistic Fuzzy PROMETHEE Technique for Multi-Criteria Decision Making Problems based on Entropy Measure”, In: Proceedings of Communications in Computer and Information Science (CCIS), Vol. 721, pp. 290-301, 2017.
- A. R. Mishra, D. Jain and D. S. Hooda, “Exponential Intuitionistic Fuzzy Information Measure with Assessment of Service Quality”, International Journal of Fuzzy Systems, Vol. 19, No.3, pp. 788-798, 2017.

B: Conference/Seminar/Workshop Participated

- Dr. D.K. Sharma participated in "International Conference on Current Trends in Theoretical and Computational Differential Equations with Applications" organized by Department of Mathematics, South Asian University, New Delhi, December 01-05, 2017.



**Team of IAS Officers
visited JUET on
November 12, 2017**



Five Ph.D. degrees awarded from August 2017 to January, 2018

Departments	No. of Ph.D Awarded
ECE	03
MATHS	01
HSS	01

C: Ph.D. Awarded

- Ph.D. degree was awarded to Ms. Pratibha Rani by the University for her thesis entitled "Mathematical Modelling of Aids in a classified Human Population" under the supervision of Dr. Divya Jain on November 15, 2017.

PHYSICS

A: Conference/Seminar/Workshop Participated:

- R. Verma, S. N. Kane, S. Raghuvanshi, M. Satalkar, S. S. Modak and F. Mazaleyrat, "Synthesis, Structural and Magnetic Properties of Mg_{0.6}Zn_{0.4}Cr_xFe_{2-x}O₄ (0.0 ≤ x ≤ 2.0) Nano Ferrite", presented at 2nd International Conference on Condensed matter and Applied Physics (ICC 2017) during November 24-25, 2017, Govt. Engineering College, Bikaner, India.
- M. Shah, S. S. Modak, N. L. Ghodke, A. K. Sinha, M. Vazquez, D. K. Avasthi, S. N. Kane, " Ion Irradiation Assisted Structural Relaxation of Cr-Finemet Alloy", presented at 4th International Conference on Nanostructuring by Ion Beam (ICNIB 2017) during October 11-13, 2017, Devi Ahilya University Indore, India.

HUMANITIES AND SOCIAL SCIENCES

A: Publications in Journals

- Khushboo Kumar and Rachna Chaturvedi, 'Influence of Person-Environment Fit On Work-Life Balance And Turnover Intention: Perspectives of Indian Working Mothers, International Journal of Academic Research in Commerce & Management,' Vol. 4, pp.53-57, December, 2017.
- Khushboo Kumar and Rachna Chaturvedi, 'Person-Environment Fit and work-Life Balance among Women: An Insight From Indian IT & Retail Industry', Journal of Business and Management (IOSR-JBM), Vol. 19, Issue 12, (Ver. V), pp. 72-78, December, 2017.
- Jyoti Gupta, Rachna Chaturvedi, 'A study to analyze FDI inflow to India', Journal of Economics & Finance, Vol.8, Issue 5,(Ver.2), pp.44-52, September- October 2017.
- Rachna Chaturvedi and Kamini Bhasin, "Effective Communication and Its Impact on job satisfaction: A Study of Indian Universities", H.R. Journal of Management, VOL-9, NO.1&2/Oct. 2017, ISSN No. 0974-7737.
- Sanjeev Pandey, Sandeep Srivastava, 'A study on determinants of customer purchase intention in healthcare product- A case of general medical equipment in India', Journal of Management (JOM), Vol. 4, Issue 2, pp.19-30, July-December 2017.
- Sanjeev Pandey, Sandeep Srivastava, 'Priority of antecedents influencing the behavior of purchasing medical equipment's- A Comparative study in Uttar Pradesh, India', International Journal of Applied Business and Economic Research, Vol. 15, No. 22 (Part III), July-December 2017.

B: Conference/Seminar/Workshop Participated

- Dr. Rachna Chaturvedi was resource person for workshop on 'Stress Management' at Comfort Systems Pvt. Ltd, Bhopal, on December 23, 2017.

C: Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Abhishek Shukla by the University for his thesis entitled "Ethical ideology, job stress, job satisfaction, turnover intention- A moderating role of emotional intelligence" under the supervision of Dr. Rajeev Srivastava on August 09, 2017.

D: BOS Meeting

- Eighth meeting of the Department's BOS was held on November 17, 2017.

FACULTY OF MATHEMATICAL SCIENCES

A: Conference/Seminar/Workshop Participated

- Prof. Vipin Tyagi, attended and delivered a talk in ACM international conference during January 05-06, 2018 at SAIT, Indore.
- Prof. Vipin Tyagi, attended and chaired a session in CSI Annual convention during January 19-21, 2018 at Science City, Kolkata.

B: Conferences/Seminars/Workshops organized

- Prof. Vipin Tyagi organized 4th IEEE International conference on Image Processing (ICIIP 2017) as co-chair at JUIT, Wakanghat (HP) during December 21-23, 2017.

C: Books published

- Mayank Singh, P. K. Gupta, Vipin Tyagi, Arun Sharma, Tuncer Ören and William Grosky, "Advances in Computing and Data Sciences", Springer Singapore publishers, 2017, DOI : 10.1007/978-981-10-5427-3, eBook : ISBN : 978-981-10-5427-3, Hardcopy ISBN 978-981-10-5426-6.
- Anurag Mishra, Anirban Basu and Vipin Tyagi,, "Silicon Photonics & High Performance Computing", Springer Singapore publishers, 2017, DOI: 10.1007/978-981-10-7656-5, eBook ISBN: 978-981-10-7656-5, Hardcopy ISBN 978-981-10-7655-8.



'Run for Unity: A Marathon' organized on October 31, 2017.



**Interactive Session by
Dr. Shivani Kapoor,
Professional Trainer and
Faculty, NDIM, New
Delhi on September 11 -
13, 2017.**



**TEDx at JUET 2018 held
on January 27 in Tagore
Hall of JUET Guna.**

- P.K. Gupta, Vipin Tyagi and S.K. Singh, "Predictive Computing and Information Security" Springer Singapore Publisher, 2017, DOI : 10.1007/978-981-10-5107-4, eBook ISBN : 978-981-10-5107-4, Hardcover ISBN : 978-981-10-5106-7

D: Awards/Honors/Recognition

- Dr. Deepshikha Tiwari received "Young IT Professional (Region -III)" award for her project titled "Fire Detection in Visible spectral range" in an event organized by Computer Society of India held at Vadodara, Gujrat on November 24, 2017.

TRAINING AND PLACEMENT

More than sixty companies including Amazon, Infosys, Aarfid India pvt. Ltd., ArgilDX, Central Labs, Crisp Analytics, Eigen Technology P. Ltd., Hashedin, IRT Digital Analytics Solution Ltd., Kuliza, M-Tree, MobStac, Newgen, Octro Technologies, Ontro Technologies, Sherlabs Software LLP, Tech Sci research, Tech9Labs, Technogise Software, The Minimalist, Capital Via, Value Prospects, Ola Cab, Adani Wilmar visited the campus recruitment of 2018 batch. CSE student Varun Singh has been offered with package of 11 Lakhs/PA from Ola Cabs.

S.No.	Company Name	No. of Students (offered job)
1.	Infosys	59
2.	Adani Wilmar	06
3.	Capital Via	15
4.	Ola Cab	01
5.	Technogise Software	03
6.	Tech9Labs	03
7.	Eigen Technologies	04

- Mr. Eldow Ranjeet, Freelancer Trainer, Conducted the classes for Aptitude, Logical Reasoning from September 01-04, 2017.
- Ms. Shivani Kapoor, Trainer from NDIM conducted Training Session on Group Discussion and Personal Interview from September 11-13, 2017.

TEDx at JUET

- On January 27, 2018 JUET Guna, conducted TEDx at JUET with great success and following eminent speakers were enlighten the young brains with their innovative thoughts and acts: Sir Syed Mohd Irfan Sahib, Broadcast journalist, Senior Producer, Rajya Sabha Television, Ms. Sanya Khurana, Software Developer at Adobe, Dr. Abhishek Srivastava, Dean and Prof. Dept. of computer Science, IIT-Indore, Mr. Aakash Ranison, Travel Blogger, Mr. Subin Sudhir, Assistant Professor (Marketing), Indian Institute of Management, Indore, Mr. Dikshit Mundra, Travel Photographer and Mr. Manak Gulati, CEO, Notesgen.

JUET YOUTH CLUB (JYC)

- Following activities have been conducted by various wings of JYC:
 - Musical Night : January 26, 2018
 - Sports Meet : January 19-21, 2018
 - Traditional Night : November 18, 2017
 - Halloween Night : November 11, 2017
 - Run for Unity : A Marathon : October 31, 2017
 - English Play : October 07, 2017
 - Carnival (Dandiya) : September 23, 2017
 - Swachh Bharat Abhiyan : September 17, 2017
 - MUN : September 16-17, 2017
 - Fresher's Night : August 30, 2017
 - Fresher's Introduction : August 19, 2017

WOMEN HARASSMENT CELL

- Poster making competition with the theme "Indian Women in 2030" conducted on January 22, 2018.

LEARNING RESOURCE CENTRE (LRC)

- LRC has upgraded Library Management System "Liberty" to "KOHA" – Open Source Integrated Library System.
- Membership of National Digital Library (NDL) has been granted to all the Faculty and Staff members of JUET.

PROMOTIONS AND APPOINTMENTS

- Prof. Shishir Kumar has been appointed Acting Dean (A&R) from September 19, 2017 in addition to his own duties.
- Dr. Sumit Gandhi is nominated as officiating HOD of Civil Engineering Department from September 18, 2017.
- Dr. Rashmi Tyagi, Associate Professor (Chemistry) has been nominated as Controller of Examinations of university from November 02, 2017.
