

JUET Chronicle

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Editorial Board

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



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NAAC Accreditation

- NAAC Peer Team visited the JUET campus from October 17 to 20, 2016. JUET, Guna has been accredited with Grade-A in very first cycle of accreditation on 5th Dec. 2017 vide letter no. F.19.26/EC(SC-18)/DO/2016/126.1.

NAAC Certificate





Civil Engineering students enjoying student activity conducted by CEF.

Internal Quality Assurance Cell (IQAC)

- Internal Quality Assurance Cell (IQAC) formed on August 01, 2016 and its first meeting was held on November 11, 2016.

Visit of Dignitaries

- Dr. Carsten Mueller (ITG, Nuremberg, Germany), Prof. Ugrasen Suman (DAVV, Indore) and Dr. Maya Rathore (DAVV, Indore) visited the JUET campus as resource persons for Workshop on Advancements in Software Engineering, August 16-27, 2016.
- Peer Review Team for NAAC Accreditation visited from October 17 to 20, 2016.
- Mr. Amit Pandey, CEO of Exicom Telesystem Limited, New Delhi visited the JUET campus, as an Inspirational Speaker and delivered a motivational talk on January 14, 2017.

Addresses by Brig. S.K.S. Negi, Registrar & Dean (SW)

- 4th year students on 09 Aug 2016 & 26 Sep 2017 for placement.
- 3rd year students on 29 Sep 2016 & 01 Dec 2016 for Pre Placement Talk.
- 2nd year students on 30 Sep 2016 & 02 Dec 2016 for career counseling and placement preparation.
- 1st year students on 01 Aug 2016 & 07 Sep 2016 for Orientation & Feedback.
- All girls students on 08 Aug 2016 for Safety.
- All staff members on 31 Dec 2016.
- All Day Scholars & House Owner of SADA on 28 Jan 2017 & 17 Feb 2017 for Safety of Day Scholars.

Important Academic Events

- Dr. Rajbabu Velmurugan, Department of EE, IIT, Bombay, visited the campus for Ph.D. Viva-Voce and delivered a talk on August 27, 2016.
- Prof. J. K. Mandal, Department of CSE, University of Kalyani, Nadia, West Bengal visited the campus for Ph.D. Viva-Voce on August 29, 2016.
- Dr. P. K. Jain, Department of ECE, IIT, BHU, Varanasi, visited the JUET campus for Ph.D. Viva-Voce on October 03, 2016.
- Prof. M. C. Govil, Department of CSE, MNIT, Jaipur, visited the JUET campus for Ph.D. Viva-Voce on October 08, 2016.
- Dr. R. Balasubramanian, Department of CSE, IIT Roorkee, visited the JUET campus for Ph.D. Viva-Voce and delivered a talk on November 05, 2016.

Publication of University Journal

- The second issue of Vol. 3 of JUET Research Journal of Science and Technology (Biannual International Research Journal) published by Narosa Publishers was released by the Hon'b Vice Chancellor on September 15, 2016.

ACHIEVEMENTS (DEPARTMENT WISE)

CHEMICAL ENGINEERING

A: Publications In Journals

- Shushmita Sharma, N N Dutta and G K Agarwal, "Optimisation of copper extraction from spent catalyst (CuO-ZnO-Al₂O₃) using chelating agent: Box-behnken Experimental Design Metodology", Russian Journal of Non-Ferrous Metals, Vol. 58, No. 1, pp. 22-29, 2017.

B: Students' Achievements

- Tarun Bhardwaj, Ph.D. scholar presented a paper titled, "Removal of Surfactant from Aqueous Solution by Foam Fractionation", in 12th Annual Session of National Students Chemical Engineering Congress, SCHEMCON-2016, organized by student Chapter of Indian Institute of Chemical Engineers (IIChe), Hyderabad, during September 10-11, 2016.
- Sushmita Sharma, Ph.D. scholar presented a paper titled, "Studies on Selective Recovery of Metal from Spent Catalyst by Reactive extraction with bis (2-ethylhexyl) Phosphate", in 12th Annual Session of National Students Chemical Engineering Congress, SCHEMCON-2016, organized by student Chapter of Indian Institute of Chemical Engineers (IIChe), Hyderabad, during September 10-11, 2016.

CIVIL ENGINEERING

A: Publications In Journals

- Vaibhav Singh and Kanchan Mala, "Effect on Seismic Analysis of Reinforced Cement Concrete Building Considering Soil Structure Interaction", Recent Trends in Civil Engineering and Technology, Vol. 6, No. 03, pp. 10-14, 2016.
- Shashank Jain and Yogesh Iyer Murthy, "Design of Tensegrity Tower", Asian Journal of Science and Technology, Vol. 07, No. 08, pp. 3380-3383, 2016..
- Yogesh Iyer Murthy and Anupriya Pandey, "Cost influencing factors on a building construction site: A Delphi study", International Journal of Engineering Research and Management, Vol. 03, No. 10, pp.120-126, 2016.



Dr. Carsten Mueller, during lab session in “Advancements in Software Engineering (ASE- 2016)” workshop held on August 16-27, 2016.

- Yogesh Iyer Murthy, Aakash Agarwal and Anupriya Pandey, “Characterization of mill scale for potential application in construction industry”, Indian Journal of Engineering, Vol. 14, No. 35, pp.71-76, 2017.

B: Publications In Conference Proceedings

- Prof. S. Arunachalam, “Modified Spectrum of Overall Lift Force for Evaluating Dynamic Response of Chimneys due to Vortex Shedding”, proceeding of 8th NCWE, IIT-BHU, Varanasi, pp. K81-K92, December 16-17, 2016.
- Prof. S. Arunachalam, “Wind Energy for Buildings and Transport Sectors”, Energy Engineering – Proceedings of CAETS 2015 Convocation on Pathways to Sustainability edited by Prof. K.V. Raghavan and Purendu Ghosh, Ch. 03, pp. 19-28, Springer Publication, 2016. (ISBN: 978-981-10-3101-4)

C: Conference/Seminar/Workshop Participated

- Prof. S. Arunachalam chaired a technical session and presented a key-note paper in 8th NCWE, IIT-BHU, Varanasi, December 16-17, 2016.
- Prof. S. Arunachalam chaired a technical session and presented a key-note paper in 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power, MNNIT, Allahabad, December 15-17, 2016.
- Prof. S. Arunachalam participated one-day Discussion Meet on “BRICS-S&T Enterprise Partnership (BRICS-STEP)”, held at NIAS, Bengaluru on August 22, 2016.

D: Students’ Activities

Following events have been conducted by Civil Engineering Forum (CEF):

- Workshop on AUTOCAD : November 05, 2016.
- POTENTIAL PROF : January 28, 2017.

E: Students’ Achievements

- Anukrati Joshi (141522), Santosh Sharma (141597) and Sapna Jaiswal (141598) presented a paper titled, “Sustainable Domestic Wastewater Management for Energy Efficiency in India”, in 4th International Conference on Computational Condensed Matter Physics and Materials Science (IWCCMP-2016), held at ABV-IIITM, Gwalior, November 18- 20, 2016.

F: Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Dharmendra Kumar Shukla by JUET Guna for his thesis entitled “Experimental Investigation on Strength Behaviour of Sloping Rock Mass under a Footing Placed at Variable Edge Distance”, under the supervision of Prof. K.K. Jain, Prof. Mahendra Singh and Dr. N.K. Samaiya in August, 2016.

COMPUTER SCIENCE AND ENGINEERING

A: Publications In Journals

- Varun Kumar Sharma and Mahesh Kumar, “Adaptive Congestion Control Scheme in Mobile Ad-hoc Networks”, Peer-to-Peer Networking and Applications, DOI 10.1007/s12083-016-0507-7, September 2016.
- Deepshikha Tiwari and Vipin Tyagi, “An auto tuned noise resistant descriptor for dynamic texture recognition”, Multimedia Tools and Application, pp. 1-22, DOI: 10.1007/s11042-016-4066-y. October 2016,
- Deepshikha Tiwari and Vipin Tyagi, “Dynamic texture recognition using multiresolution edge weighted local structure pattern”, Computers and Electrical Engineering, DOI:http://dx.doi.org/10.1016/j.compeleceng.2016.11.008, November 2016,
- Shishir Kumar, Neha Jain and Steven Lawrence Fernandes, “Rough Set Based Effective Technique of Image Watermarking”, Journal of Computational Science, DOI:10.1016/j.jocs.2016.11.009, November 2016.
- Shishir Kumar and Praveen Singh Thakur, “Effective Approach to Determine the Approximate Position of the Pirate in the Theater”, AISS: Advances in Information Sciences and Service Sciences, Vol.8, No.5, pp. 24-34, December 2016.
- Ajay Kumar and Shishir Kumar, “Experimental Analysis of Sequential Clustering Algorithm on Big Data”, The IIOAB Journal Special Issue- Recent Advances in Big Data Analysis, Vol.7, No. 11, pp.160-170, December 2016.
- Ajay Kumar and Shishir Kumar, “Color Image Segmentation via Improved K-Means Algorithm”, International Journal of Advanced Computer Science and Applications, Vol.7, No. 3, pp. 46-53, 2016.
- Ashwani Kumar, S. P. Ghrera and Vipin Tyagi, “An ID-based Secure and Flexible Buyer-seller Watermarking Protocol for Copyright Protection”, Pertanika Journal of Science & Technology, Vol.25, No.1, pp. 57-76, January 2017.
- Nilesh Kumar R. Patel and Shishir Kumar, “Enhanced Clear Channel Assessment for Slotted CSMA/CA” in IEEE 802.15.4, Springer’s Wireless Personal Communication, DOI: 10.1007/s11277-017-4042-5, January 2017.

B: Conference/Seminar/Workshop Participated

- Amit Kelotra attended Faculty Development Program on “Big Data” organized by Sagar Institute of Technology, Bhopal, August 1-10, 2016.



Technical sessions in Software Engineering Lab during “Microsoft Application Development Workshop” held on November 19-20, 2016.

- Partha Sarathy Banerjee attended Short Term Course on “Computer Vision, Pattern Recognition and Image Analysis (CVPR and IA 2016)” at NIT, Durgapur, West Bengal, India, October 03-07, 2016.
- Amit Kelotra attended National Conference on Contemporary Computing organized by Chameli Devi Group of Institute, Indore, October 21-22, 2016.
- Dr. Ratnesh Litoriya, Amit Kelotra and Mamta Pandey attended CSI National Conference on Contemporary Computing, organized by Chameli Devi Institute of Tech & Management (CITM) Indore, October 21-22, 2016.
- Dr. Ratnesh Litoriya delivered invited talk on “Contemporary techniques of Software Estimation” in National Conference organized by CITM Indore, MP, October 21-22, 2016.
- Prof. Vipin Tyagi attended and chaired a session in International IEEE Conference on IT in Business, Industry and Government (ICTBIG 2016), SAIT, Indore during November 18-19, 2016.
- Prof. Vipin Tyagi attended International Conference as Co-Convenor of the conference and chaired a session at KEC, Ghaziabad during November 11-12, 2016.
- Prof. Vipin Tyagi attended and chaired a session in CSI annual convention at Coimbatore during January 23-25, 2017.
- Shipra Shukla attended 2nd Springer International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy (ETAERE-2017) organized by the Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India during December 16-17, 2016.
- Anju Shukla attended IEEE International Conference on Parallel Distributed and Grid Computing (PDGC-2016), organized by Jaypee University of Information Technology, Waknaghat, Solan, HP, India during December 22-24, 2016.
- Vinay Kumar Jain attended International Conference on Sustainable Development through Research in Engineering and Management (SDREM-2016), YMCA University, Faridabad, December 26 -27, 2016.

C: Conferences/Seminars/Workshops organized

- Workshop on “Advancements in Software Engineering (ASE- 2016)” sponsored by M.P. Council of Science and Technology Bhopal, organized by Department of CSE at JUET, Guna, during August 16-27, 2016. Four faculty members have delivered lectures and conducted lab sessions-
 - Prof. Shishir Kumar : Recent developments in Software engineering
 - Dr. Prateek Pandey : Software Design Issues & Design Patterns
 - Dr. Dinesh Verma : Assessments of Defect Density and Software Quality
 - Mr. Amit Kumar Srivastava : Role of Web Service in Software Engineering

D: Book Chapter

- Vinay Kumar Jain and Shishir Kumar, “Improving Customer Experience using Sentiment Analysis in E-commerce”, Handbook of Research on Intelligent Techniques and Modeling Applications in Marketing Analytics ,Ch.12, pp.216-224, IGI Global, 2016. (ISBN10: 1522509976)
- Vinay Kumar Jain and Shishir Kumar, “Predictive Analysis of Emotions for Improving Customer Services”, Handbook on Applying Predictive Analytics within the Service Sector, Ch.8, pp.125-134, IGI Global, 2016. (ISBN10: 1522521488)

E: Ph.D. Awarded

- Ph.D. degree has been awarded to Ms. Deepshikha Tiwari from Jaypee University of Engineering and Technology, Guna, MP for her thesis entitled as “Dynamic Texture Recognition Using Local Binary Pattern”, under supervision of Prof. Vipin Tyagi on September 9, 2016.
- Ph.D. degree has been awarded to Mr. Dinesh Kumar Verma from Jaypee University of Engineering and Technology, Guna, MP for his thesis entitled as “Effect of Software Metrics on Defect Density: An Approach for Quality Improvement”, under supervision of Prof. Shishir Kumar on October 14, 2016.

F: Student activities

- Student Branch of Computer Society of India, has organized following events during this period and more than 1200 students have participated in these events –
 - Kodeathon 17.1 : January 15, 2017
 - Microsoft Application development workshop : November 19-20, 2016
 - Oblivion 4.0 : November 12-14, 2016
 - Web Designing Workshop : November 07-09, 2016
 - Trace It Out : November 05, 2016
 - C-Programming Workshop-II : October 06-07, 2016
 - Typolympics : October 04, 2016
 - C Programming Workshop – I : September 28-30, 2016

G: Student’ achievements

- Varun Singh, Shubham Shukla and Rajat Asthana selected in ACM-ICPC (Association for Computing Machinery - International Collegiate Programming Contest) and represented the University at the Asia Region held at IIT Kharagpur from December 16-17, 2016.
- Varun Singh and Shubham Shukla selected as Microsoft Student Partners form JUET Guna for the academic year 2016-2017.



ECE department conducted a National Workshop on “High Performance VLSI Architecture for Digital Signal Processing Application: Design & Implementations” held during September 9-11, 2016.



Students showing rockets prepared during “Hobby Sugar Rocketry” (students activity of MEC department)

ELECTROICS AND COMMUNICATION ENGINEERING

A: Publications In Journals

- B. K. Mohanty, and S. K. Singhal, “Area-Delay and Energy-Efficient Throughput-Scalable VLSI Architecture for SDR Channelizer”, Circuits, Systems, and Signal Processing (CSSP), Springer, Vol. 35, No. 8, pp. 2958-2971, August 2016.
- D. Sharma, R Saxena and N Singh. “Dual Domain Robust Watermarking Scheme Using Random DFRFT and Least Significant Bit Technique”, Multimedia Tools and Applications (Springer publisher), 2016, DOI: 10.1007/s11042-016-4095-6.

B: Conferences/Seminars/Workshops participated

- Prof. B. K. Mohanty, Dr. Nafusuddin Khan, Dr. Rahul Pachouri and Mrs. Ranu Gupta attended International Conference on Signal Processing (ICSP-2016) organized by Samrat Ashok Technological Institute (SATI), Vidisha, M.P. during November 7-9, 2016.
- Ranu Gupta presented a paper titled “A Linear Despeckled Approach of an Ultrasound Carotid Artery image”, in International conference on Signal Processing (ICSP-2016) organized by Samrat Ashok Technological Institute (SATI) Vidisha, M.P. during November 7-9, 2016.
- Dr. Rajesh Kumar Vishwakarma attended short term course on “Design of microwave antennas and passive components.” organized by Department of Electronics Engineering at Indian Institute of Technology BHU Varanasi during December 19-24, 2016.

C: Conferences/Seminars/Workshops organized

- Department of ECE organized National Workshop on “High-performance VLSI Architectures for Digital Signal Processing Applications: Design and Implementations” sponsored by M.P. Council of Science and Technology Bhopal, during September 09-11, 2016.

D: Ph.D. Awarded

- Sujit Kumar Patel awarded Ph.D. degree by JUET, Guna, for his thesis entitled, “High performance architecture for block least mean square FIR adaptive filters”, under the supervision of Prof. B.K. Mohanty in Septmber, 2016.
- Khushboo Pachori awarded Ph.D. degree by JUET, Guna, for her thesis entitled, “Performance augmentation of MIMO-OFDM system in soft computing frameworks”, under the supervision of Dr. Narendra Kumar Singh and Dr. Amit Mishra in October, 2016.
- Shefali Sharma has been awarded Ph.D. degree by JUET, Guna, for her thesis entitled, “Multimodal approach for hand biometrics,” under the supervision of Dr Rahul Pachouri and Dr. Satish Kumar Singh in November 2016.

E: Student activities

- The Institution of Electronics and Telecommunication Engineers (**IETE**) Students Forum (ISF) organized following events:
 - Branch wars : September 15, 2016
 - Intelligent Line Follower Bot : November 12-14, 2016
 - Crack The Game : November 18, 2016

F: Student’s Achievements

- Sachet Jamliya, M. Tech student, presented a paper titled, “An efficient VLSI architecture of multiplier-less 1-D DWT using CSD technique,” in IET Sponsored International Conference on Signal Processing (ICSP-2016) organized by SATI, Vidisha, M.P. during November 7-9, 2016.
- Durgesh Nandan, Ph.D. scholar presented a paper titled, “An Efficient VLSI Architecture Design for Antilogarithmic Converter by using the Error Correction Scheme”, in IET Sponsored International Conference on Signal Processing (ICSP-2016) organized by SATI, Vidisha, M.P. during November 7-9, 2016.
- Khushboo Pachori, Ph.D. scholar, presented a paper titled “Channel Equalization Technique for MIMO-OFDM Systems in Soft-Computing Framework”, in IET Sponsored International Conference on Signal Processing (ICSP-2016) organized by SATI, Vidisha, M.P. during November 7-9, 2016.

MECHANICAL ENGINEERING

A: Publications In Journals

- Vivek Tiwari and Dhananjay R. Mishra, “Multi response optimization of EDM parameters for MONEL K-500”, International Journal of Advances in Production and Mechanical Engineering, Vol. 2, No. 4, pp. 53-60, 2016.
- Dhananjay R. Mishra, Anil Kr. Tiwari and Mahendra Singh Sodha, “Mathematical modeling and evaluation of new long single slope still for utilization of hot waste water”, Applied Thermal Engineering, Vol.108, pp. 353-357, 2016.
- Sakuntala Nahak, Saurabh Dewangan and Somnath Chattopadhyaya , “Wearing mechanisms of picks used in continuous miner machine for coal cutting”, Journal of Mines, Metals & Fuels, Vol. 64, pp. 128-135 , 2016.
- Sakuntala Nahak, Somnath Chattopadhyaya, Saurabh Dewangan and Sergej Hloch, “Characterization of failure behavior in distorted WC-Co tip of coal mining picks”, Journal of Failure Analysis and Prevention, Vol. 17, pp. 136-143, 2017.



Technical session during
"Rapid Design" (students
activity of MEC department)



Students of all departments
conducted various events.

B: Publications In Conference Proceedings

- Priyanka Joshi, Amit Sharma, Vinod Yadava and Yashwant Kumar Modi, "Multi-objective Optimization of Kerf Quality Characteristics during Nd-YAG Laser Cutting of Ni-based Superalloy Thin Sheet using Hybrid Approach", Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) held at College of Engineering, Pune, pp. 454-457, December 16-18, 2016.
- Prashant Shrivastava., Gavendra Norkey, and Arun Kumar Pandey, "Modeling and Optimization of Kerf Deviation in Laser Cutting of Inconel - 718 Sheet" Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR- 2016), College of Engineering, Pune, pp. 515 - 519, December 16-18, 2016.
- Girish Dutt Gautam, Gavendra Norkey, and Arun Kumar Pandey, "Optimization and Intelligent Modeling of Aluminum Sand Casting Process Parameters Using Multiple Computer Aided Techniques" Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR- 2016), College of Engineering, Pune, pp. 1937 - 1941, December 16-18, 2016.
- Shailendra Kumar, Yogesh Shrivastava, Bhagat Singh, and Gavendra Norkey, "Chatter Detection and Quantification using Hybrid Computational Approach" Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), College of Engineering, Pune, pp. 728 - 732, December 16-18, 2016.
- Ankit Jain and Arun Kumar Pandey, "Multiple Quality Characteristics Optimization in Electric Discharge Drilling by using Hybrid approach of Taguchi Methodology and Grey Relational Analysis", Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), at College of Engineering, Pune, pp. 520-524, December 16-18, 2016.

C: Conference/Seminar/Workshop Participate

- Prof. Shri Krishna Agrawal delivered an expert lecture on "Sustainable Development" in faculty development program on Advances in Thermal Science and Engineering (ASTE-2016) at Bundelkhand Institute of Engineering and Technology, Jhansi, October 21, 2016.
- Prof. Shri Krishna Agrawal delivered an expert lecture in faculty development program on "Solar Thermal Technologies" at Ujjain Engineering College, Ujjain, November 24, 2016.
- Dr. Yashwant Kumar Modi delivered an expert lecture titled "Additive manufacturing: the technology of the future" in Indore Institute of Science and Technology (IIST), Indore, M.P., November 26, 2016.
- Dr. Arun Kumar Pandey delivered an expert lecture titled "Laser cutting of advanced materials" in International Symposium on Micro Machining & Machinability (ISMMM 2016) organised by Manipal University Jaipur, December 28, 2016.
- Dr. Arun Kumar Pandey and Dr. Gavendra Norkey have attended and presented research papers in a 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), at College of Engineering, Pune, during December 16-18, 2016.

D: Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Dhananjay R. Mishra by NIT Raipur for his thesis entitled, "Simulation of Heat Transfer between Structures and Ground and Performance of Novel Solar Stills", under the supervision of Prof. Anil Kr. Tiwari and Padma Shri Prof. Mahendra Singh Sodha in August, 2016.

E: Students' Activities

- Mechanical Engineering Society (MES) conducted following events during the period:
 - Hobby Sugar Rocketry (HSR-2016) : October 12, 2016
 - Water Rocket Challenge : November 22, 2016
 - Rapid Design : January 20, 2017

F: Students' Achievements

- Priyanka Joshi has attended and presented paper titled "Multi-objective Optimization of Kerf Quality Characteristics during Nd-YAG Laser Cutting of Ni-based Superalloy Thin Sheet using Hybrid Approach" in a 6th International & 27th AIMTDR-2016, at College of Engineering, Pune, December 16-18, 2016.
- Girish Dutt Gautam has attended and presented paper titled "Optimization and Intelligent Modeling of Aluminum Sand Casting Process Parameters Using Multiple Computer Aided Techniques" in a 6th International & 27th AIMTDR-2016, at College of Engineering, Pune, December 16-18, 2016.

CHEMISTRY

A: Publications In Journals

- D. Geetha and Rashmi Tyagi, "Consumer behavior and fascinating challenges on Household Laundry & Dish washing", Tenside Surfactants Detergents, Vol. 53, No. 6, pp. 568-575, 2016.
- Kanchan Sharma and Sudip K. De, "A post-metallocene titanium(IV) complex bearing asymmetric tetradentate [ONNO]-type amino acid-based ligand and its activity toward polymerization of polar monomers at room temperature in aqueous emulsion," Colloid and Polymer Science, Vol. 294, No. 12, pp. 2051-2070, 2016.



**Eight Ph.D. degrees
awarded during August,
2016 – January, 2017**

B: Ph.D. Awarded

- Ph.D. degree was awarded to Mrs. D. Geetha by JUET, Guna for her thesis entitled "Synthesis, Surface and Physico-chemical Properties, Micellization and Soil Washing Efficiencies of C₁₂ – C₁₆ alkyl polyglucosides (APGs)", under the supervision of Dr. Rashmi Tyagi in August, 2016.

HUMANITIES AND SOCIAL STUDIES

A: Publications In Journals

- Sanjeev Pandey and Sandeep Srivastava (2016), "Antecedents of Customer Purchase Intention", IOSR Journal of Business and Management, Vol. 18, No. 10, pp. 55-82, October, 2016.

B: Publications In Conference Proceedings

- Tanmay Pant and Rajeev Srivastava, "Changing paradigms of life insurance distribution: Telltale signs of future insurer preparedness", Proceeding of International conference on "Changing dynamics in global market" organized by Symbiosis International University, Pune, (ISBN no. 978-93-86250-61-2), pp 65-72, September 29-30, 2016.
- Kushboo Kumar and Rachna Chaturvedi, "A Critical review of Work-life balance practices as an Emerging tool of Managing the talent inside an organizations", Proceeding of national conference "NX.1: Managing the Next Generation Organisations" at Banaras Hindu University, Varanasi, (ISBN 978-93-85000-98-0), pp. 121-13, November 24- 26, 2016.

C: Conference/Seminar/Workshop Participated

- Dr. Rachna Chaturvedi delivered a series of Guest Lectures on "Motivation, Communication Skills and Stress Management" at "Ordnance Factories Institute of Learning," Kanpur from August 22 – 24, 2016.
- Jyoti Gupta and Sanjeev Pandey attended National Workshop on "Research Methodology in Social Sciences", organized by AIU (Association of Indian Universities), Panjab University, Chandigarh during August 6 – 12, 2016.

MATHEMATICS

A: Publications In Journals

- Ram Kishun Lodhi and Hradyesk Kumar Mishra, "Computational method for Fourth-order self-adjoint singularly perturbed boundary value problems via non-polynomial quintic spline " Iranian Journal of Science and Technology, Transaction A: Science DOI 10.1007/s40995-016-0116-6, pp. 1-8, 2016.
- Rishi Kumar Pandey and Hradyesk Kumar Mishra, " Homotopy Analysis Fractional Sumudu Transform Method for time-fractional third order dispersive partial differential equation" Advances in Computational Mathematics, DOI 10.1007/s10444-016-9489-5, pp. 1-19, 2016.
- Rajnee Tripathi and Hradyesk Kumar Mishra, " Homotopy Perturbation Method With Laplace Transform (LT-HPM) For Solving Lane-Emden Type Differential Equations (LETDES)" Springer Plus, DOI 10.1186/s40064-016-3487-4, pp. 1-21, 2016.
- Ram Kishun Lodhi and Hradyesk Kumar Mishra, "Quintic B-Spline Method For Solving Second Order Linear And Nonlinear Singularly Perturbed Two-Point Boundary Value Problems, Journal of Computational and Applied Mathematics Vol. 319, pp. 170-187, 2017.

B: Conference/Seminar/Workshop Participated

- Dr. H.K.Mishra attended 24th International Conference on "Finite or Infinite dimensional complex analysis and applications," at Anand international College of Engineering, Jaipur, during August 22-26, 2016.

PHYSICS

A: Conference/Seminar/Workshop Participated

- Dr. Anuj Kumar delivered an invited talk titled "Investigations on Vibrational spectra, NBO and HOMO-LUMO of chalcone crystal 1-[4-(methylsulfanyl) phenyl]-3-(4-nitrophenyl) prop-2-en-1-one - A computational approach." at the 6thInternational Conference on Perspectives in Vibrational Spectroscopy held at Golden Blossom Imperial Resorts, Lucknow, India during November 5-8, 2016.

B: Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Mahesh Pal Singh Yadav by JUET, Guna (MP) for his thesis entitled "AB-initio investigations of structural, electronic and optical properties for useful molecules", under the supervision of Dr. Anuj Kumar in September, 2016.

C: Student's Achievements

- Dharmendra Jain and Mahendra Singh Yadav attended two days INUP Familiarization workshop on "Nanofabrication Technologies" organized by MNIT Jaipur, Rajasthan, August 26-27, 2016.
- Mukta Tripathi, Mahendra Singh Yadav and Dharmendra Jain attended three days research training workshop on "Concepts & Practice of Materials Characterization" organized by Department of Physics, IIT Patna, Bihar, November 24-26, 2016.
- Mukta Tripathi presented a paper titled "Electrical Studies on Ionic Liquid Based Gel Polymer Electrolyte for Its Application in EDLCs" in 15th Asian Conference on Solid State Ionics [ACSSI-15], held at IIT Patna, Bihar, November 27-30, 2016.



Farewell Ceremony of Prof. N. J. Rao, Vice Chancellor held on November 15, 2016.



JUET welcomes the Prof. J.S.P. Rai as new Vice Chancellor wef. November 17, 2016.

- Mahendra Singh Yadav presented a paper titled "Synthesis and Characterization of Nanocomposite NiO/Activated Charcoal Electrodes for Supercapacitor Application" in 15th Asian Conference on Solid State Ionics [ACSSI-15], held at IIT Patna, Bihar, November 27-30, 2016.
- Dharmendra Jain presented two papers entitled "Enhanced Performance of Ultracapacitors Using Redox Additive Based Electrolytes" and "Studies on PVdF(HFP)- EC-PC-NaBF₄-ZnO Nanocomposite Polymer Gel Electrolyte" in 15th Asian Conference on Solid State Ionics [ACSSI-15], held at IIT Patna, Bihar, November 27-30, 2016.

TRAINING AND PLACEMENT

- More than 50 companies like Amazon, Infosys, Cognizant, Wipro, APAC, Adani Wilmar, JMC Infra, Josh Software, PY Technology, Zophop Technologies, Yacca Pharmaceuticals, Ernst & Young, Ques, Code Brew, TechSci, NECTech, SquadRun, Gemalto, Eigen Technologies, FICO, NTT Data, IBM, Ericsson etc. have visited recruitment process of 2017 batch.

The highlight for placement offers is as follows:-

S. No.	Company	No. Of Students (Offered job)
1.	Infosys	75
2.	Cognizant	22
3.	Wipro	28
4.	Adani Wilmar	05 (MEC & CHE)
5.	JMC Infra	02 (CE)
6.	Other Companies	28

JUET FACULTY & STAFF RECREATION CLUB

- Faculty and Staff Recreation club celebrated Teacher's day on September 05, 2016 and paid tribute to Dr. Sarwapalli Radha Krishnan.
- Faculty and Staff Recreation club celebrated Engineer's day on September 15, 2016. Thought provoking speech of Honorable Vice Chancellor Prof. N. J. Rao was the main attraction of the event.

JUET YOUTH CLUB (JYC)

Following activities have been conducted by various wings of JYC:

Cultural Wing

- El Partido Grande De Freshers : August 25, 2016
- Dandiya-Night : October 02, 2016
- Cultural Night for NAAC : October 18, 2016
- Musical-Night : January 14, 2017

Art & Event Management Wing

- Traditional Night : November 09, 2016
- Patang Parva : January 14, 2017

Media Wing

- Halloween Night : November 19, 2016

Literary Wing

- Essay Writing Competition : August 13, 2016
- SKIT : August 15, 2016
- MUN : November 13, 2016
- Poster Making Competition : November 16-18, 2016

Sports Wing

- Inter-year football & basketball league : October 01 & 3, 2016
- Inter-year badminton, table-tennis & cricket league : January 15, 2017

SUPERANNUATION

- Prof. N. J. Rao the founder Vice Chancellor of the University superannuated on November 15, 2016 after more than six years of services.

PROMOTIONS AND APPOINTMENTS

- Prof. J.S.P. Rai joined the University as Vice Chancellor on November 17, 2016.
- Dr. Vipin Kumar Tyagi (CSE), Dr. Sanat Agrawal (MED) and Dr. Anuj Kumar (Physics) promoted from Associate Professor to Professor.
- Dr. Rajeev Srivastava (HSS), Dr. Samaiya Nitin Kumar (CE), Dr. Sumit Gandhi (CE) and Dr. Arnab Kumar Ray (Physics) promoted from Assistant Professor (SG) to Associate Professor.
- Dr. Dharmendra Kumar Shukla (CE), Dr. Dhananjay R. Mishra (MEC), Dr. Deepshikha Tiwari Pandey (CSE), Dr. Sujit Kumar Patel (ECE), Dr. Dinesh Kumar Verma (CSE) and Dr. Shefali Sharma (ECE), promoted from Assistant Professor (G-II) to Assistant Professor (SG).
- One staff member has been promoted to NT-7 to NT-6 grade and four staff members have been promoted to NT-8 to NT-7 grade.
- Two experienced nurses joined Medical Centre of university in the month of January 2017.