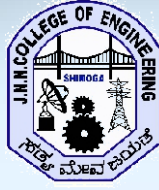




National Education Society®, Shivamogga



JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING

SHIVAMOGGA

BEACON

JNNCE NEWS LETTER

Issue:4

July-September 2018



Savalanga Road, Navule, Shivamogga - 577204, Karnataka

Phone: 08182-276707/08/09 , Fax: 08182-222450 E-mail : principal@jnnce.ac.in Website: www.jnnce.ac.in

NATIONAL EDUCATION SOCIETY ®. SHIVAMOGGA

MEMBERS OF THE EXECUTIVE COMMITTEE



Sri. A.S. Vishwanath
President



Sri. T.R. Ashwathnarayan Setty
Vice President



Sri. S.N. Nagaraj
Secretary



Sri. D.R. Amarendra Kireeti
Joint - Secretary



Sri. C.R. Nagaraja
Treasurer



Sri. D.H. Srinivasamurthy
Director



Sri. G.S. Narayana Rao
Director



Sri. N.T. Narayana Rao
Director



Smt. S.R. Susheelamma
Director



Sri. P. Mylarappa
Director



Dr. P. Narayan
Director



Sri. M. Shankara Rao
Director



Dr. H.V. Subramanya
Director



Smt. Rukmini Vedavyasa
Director



Sri. H.C. Shivakumar
Director

INDEX

ACCOMPLISHMENT OF THE DEPARTMENTS	03- 14
INDUCTION PROGRAMME	15
SPORTS ACTIVITIES	18
CULTURAL ACTIVITIES	19
NSS ACTIVITIES REPORT	19
CHIRANTHANA	20
LIBRARY AND INFORMATION CENTER	22

Message from Secretary, National Education Society

National Education Society has always been committed to promote quality education in every respect. It is also committed to provide a safe and intellectually challenging environment that will empower its stake holders to be inspired learners to become innovative thinkers, creative problem solvers. JNNCE being a prime technical institution from our region has set high standard and expectations for each student with respect to academic performance, co-curricular and extra – curricular participation. I am very happy to place on my appreciation and greetings to everyone and wish a greatest heights of success in all the endeavours of career and life.



Sri S.N. Nagaraja

Message from the Principal of JNN College of Engineering

Dedication and social cum self discipline are the primary attributes which have to be cultured in an institution to give the best performance. Growth is an essential objective that any institution would like to achieve. It would be more significant if the growth is multidirectional. JNNCE is growing in all directions. However all these growth will have a meaningful proportion when the outcome, that is the results in the examination raises to higher levels.



Dr. H. R. Mahadevaswamy

It is a pleasure to pen few lines about the fourth issue of JNNCE News letter. This bulletin not only covers the events of JNNCE but also gives opportunity to contribute to new ideas. I hope this newsletter will be the mirror of college's progress by providing adequate impetus to all the concerned.

Message from Editorial Board, JNNCE

We welcome the readers to the 4th issue of JNNCE news letter. The current issue of the news letter highlights the activities of students and achievements of faculty during July 1st 2018 to September 30th 2018. It also features visits by eminent scholars & personalities. The intent of this news letter is to disseminate information about the institute and we hope that the readers enjoy this issue of the news letter. Our sincere thanks to Management of National Education Society and Principal for their constant encouragement, support & inspiration.

Department of Mechanical Engineering



Recently set-up CAD and CIM laboratory



DUCOM WEAR testing Machine



Universal Testing Machine

- ❖ Dr.D.S. Ramakrishna delivered an invited lecture on *Fatigue and Fracture Consideration in Design*, in a Faculty Development Programme at CBIT, GUBBI on 27/7/18
- ❖ Dr.L.K. Sripathi delivered an Invited talk “*Waste Management*” at Ramaiah University of Applied Science, Bangalore on 3/8/18
- ❖ Dr.K. Sabeel Ahmed published a paper entitled “*Evaluation of Natural Frequencies and Damping Ratios of Coconut Shell particles reinforced Epoxy Composites*” was Published in Materials Today Proceedings ELSEVIER.
- ❖ Dr. E.Basavaraj delivered a Technical talk on Polymer Composites at PESITM Shivamogga on 24/7/18
- ❖ Dr. E.Basavaraj appointed as Member of BOE of Mechanical Composite Board by VTU for the current academic year.
- ❖ Dr. E.Basavaraj appointed as Member of BOE (PG Studies) of Mechanical Board by JSS S&TU (Formerly SJCE) Mysore for the current academic year.
- ❖ Dr. M.M.Rajath Hegde delivered Technical talk on Nonmaterial at NCETM AIT CKM on 4th September 18 and presented paper in an International Conference at University of Edinburg Scotland.
- ❖ Mr. C.D. Ashok Kumar delivered a Technical talk TEQIP-III-Sponsored workshop on NSS at BMSCE, Bangalore on 26-09-2018
- ❖ Dr. K. Sabeel Ahmed, Dr. E. Basavaraj, Mr. Shanthi Kiran and Mr. G. H. Manjunath achary were the resource persons as a part of Induction programme for 1st year BE students

Department of Civil Engineering

1. In order to empower the faculties in the research field, Department of Civil Engineering, JNNCE Shivamogga, has conducted A one week ISTE sponsored workshop on **Construction Project Management** from **23/07/2018 to 27/07/2018**. This interactive workshop accompanied with actual case studies introduces Civil Engineering Faculty members to the management techniques involved over the complete timeline of a construction project, exposing them to the various roles of a construction project manager.



2. Department of Civil Engineering, JNNCE Shivamogga, has organized a two days International Conference from **27th and 28th September, 2018** on **“Emerging and Sustainable Trends in Civil Engineering -ESCE 2018”** sponsored by SERB India in association with ISTE and CBIR., targeting researchers, faculties and students. This conference spreads the essence of emerging trends of Civil Engineering and showcased various researches which are carried out in the field of Civil Engineering.



3. Paper Publications in Journals /Conference:

❖ Mr. Sabareeshwaran S, Mr. Dattatreya SB, Mr. Adarsha S R, Mrs. Akshatha M , Mrs. Chaya D Y, Ms. Kanchana H J, Mr. Bhuvan V S Assistant Professors, Department of Civil, presented papers in International Conference on “Emerging and Sustainable Trends in Civil Engineering -ESCE 2018” held at Jawaharlal Nehru National College of Engineering, Shivamogga on 27th and 28th September 2018.

❖ Mr. Anirudh N, Assistant Professor, Department of Civil, presented paper in National Conference and Workshop on Recent Advances in Traffic Engineering-2015(RATE 2018) on “ Identification of Black spots and crash prediction models for Kanchipuram District of Tamilnadu” held at Sardar Vallabhbhai National Institute of Technology Surat(SVNIT,Surat) on 11th and 12th of August 2018.

4. Students Achievements:

❖ Prem Kumar , Student 7th semester from Department of Civil has won Gold Medal in Powerlifting under Gold Mens 66 Kg category organised by Sahyadri College of Engineering Mangalore. And he has set VTU record in Squat 190 Kg, Dead lift 220 Kg, and he has also created total weight record in VTU in 510 Kg.

❖ Deepak A , student from 7th semester participated in seminar competition (ADVETIYA) held at KLE Belagavi and won 1st place with cash price of Rs. 5000

Department of Computer Science and Engineering

- ❖ Dr. Manjula G. R. and Ms. Ayesha Siddiqua participated in One week FDP on ***“Image Processing and its Research challenges”*** during 23rd - 27th July 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ Mr. Chetan K. R., Ms. Ganavi M, Mr. Mohan H G and Mr. Nandish M. participated in One Week FDP on ***“Data Science and Classification practicing with Python and MATLAB”*** during 16th – 21st July 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ Mr. Narendra Kumar S. participated 7-days ***“Faculty Development Program for Student Induction (FDP-SI)”*** during 9th – 15th July, 2018 at S. J. C. E., JSS University, Mysore.
- ❖ Mr. Benakappa S.M. participated in one week Workshop on ***“Advances in Satellite Communication and Networking”*** during 29th August – 2nd September 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ Dr. Nirmala Shivananda and Dr. Poornima K. M. were invited as resource persons to deliver talk at One week FDP on ***“Image Processing and its Research Challenges”*** during 23rd - 27th July 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ Mr. Chetan K. R. was invited as a resource person to deliver a talk on ***“Data Science and Classification practicing with Python and MATLAB”*** One Week FDP during 16th – 21st July 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ Dr. Jalesh Kumar, Mr. Chetan K. R., Ms. Sankhya Nayak, Mr. Chakrapani D.S., Mr. Sandeep B., Mr. Nandish M. and Mr. Mohan H. G. were given Technical Training session on C Programming for final year Students during 24th and 25th August 2018 at J. N. N. College of Engineering, Shivamogga.
- ❖ A paper entitled ***“Automatic Pattern Discovery of Neonatal Brain Tumour Segmentation and Abnormalities”*** was published and authored by Dr. Poornima K. M. in MRI sequence (ICERECT – 2018) during 23rd and 24th August 2018 at P. E. S. C. E. Mandya.
- ❖ A paper entitle ***“Supervised Machine Learning technique for face identification and expression technique”*** was published and authored by Dr. Poornima K. M. in ICIETS – 2018 during 20th and 21st September 2018 at N. I. E. Mysore.
- ❖ A paper entitled ***“Text Extraction from natural Scene Images using Adaptive methods”*** was published and presented by Ms. Sankhya Nayak in ICATCSIT -2018 during 23rd and 24th August 2018 at KOVUR, Nellore.
- ❖ Attended IEEE International Conference on ***“Distributed Computing, VLSI and Electrical Circuits and Robotics”*** Mr. Vedananda D. E. during 13th and 14th August 2018 at MIT Moodabidri.
- ❖ Member Review Committee reviewed papers submitted to 3rd International conference for ICERECT – 2018 by Dr. Jalesh Kumar which is conducted during 23rd and 24th August 2018 at P. E. S. C. E. Mandya.
- ❖ Mr. Narendra Kumar S. coordinated For ***3 Week induction Program For 1st year BE Students.(IIPC)*** which is conducted during 13th August to 1st September 2018 at J. N. N. C. E Shivamogga.



Teachers Day Celebration from COSMOS 2018-19

COSMOS 2018-19 Inaugural Function, Expert Talk By Mr. Shankar Shastry on “Learning From building a high Scale distributed Storage System on Cloud”,COSMOS 2018-19.



Sri. Ravindra S, Assistant Professor has been awarded Doctor of Philosophy –Ph.D degree in Faculty of Computer and Information Sciences by Visvesvaraya Technological University (VTU) – Belagavi for his thesis entitled “Development of Node Localization Techniques for Wireless Sensor Networks”, submitted under the guidance of Dr. S. N. Jagadeesha

Department of Information Science and Engineering



One Week AICTE-ISTE sponsored workshop on “Data Science and Classification practicing using Python and Matlab” was organized during 16th July to 21st July 2018.



A.S Kiran Kumar, Vikram Sarabhai Professor ,ISRO, Bangalore Inaugurated the workshop on “Data Science and classification practicing using Python and Matlab ”.

❖ One week AICTE-ISTE sponsored Induction/Refresher Program on “**Data Science and Classification practicing using Python and Matlab**” was conducted during 16th July to 21st July 2018. It was organized by Prof. Prabhudeva S, Prof. Sunitha G.P, Prof. Pavan Kumar M.P, Prof. Arun Kumar.

❖ Dr. Jyothi K, HOD, was invited as a resource person to deliver a talk on “**3D Reconstruction**” in a workshop titled “**Image processing and its Research Challenges**” organized by department of Electronics and Communication held during 23rd July 2018 to 27th July 2018, JNNCE, Shivamogga.

❖ Prof. Pradeep H.K, Prof. Raghavendra R.J, Prof. Sathyanarayana K.B, Prof. Akshay M.J, Prof. Sharath Kumar S.R has conducted a training sessions on “**C programming**” for Final year students



*Teacher's Day Celebration
by Information Science
Engineering final year
students*

Department of Electronics and Communication Engineering

Electronics & Communication Engineering of Jawaharlal Nehru National College of Engineering, Shivamogga in association with Institution of Electronics and Telecommunication Engineers, New Delhi and Indian Society for Technical Education, New Delhi organized One Week Faculty Development Program on “Image Processing and its Research Challenges” From 23rd July to 27th July 2018. Sri. S Rudre Gowda, MLC, Karnataka was the chief guest of the function.



Dept. of ECE, organized a One Day Workshop on “Basic Electronics” for 2nd PUC students of Kasturba and PACE college on 04th and 11th of August 2018 respectively, co-ordinated by Dr. P Manjunath Professor and HOD.



Department of ECE and TCE organized a One Day Workshop on "Free Internet Awareness and Digital Transaction Program for Ladies and Senior Citizens" on 15th September -2018. Co-ordinated by : Ms. Nalina S B, Ms. Aparna, Ms. Bhuvana Khare and Mr. Anand Raj S.N



Department of ECE, organized a workshop on "Basic Electronics" for diploma students of DNDS Polytechnic, Shimoga on 17th september 2018, Co-ordinated by Dr. P Manjunatha, Professor and Head



Shubhan H K and V Shruthi of 5th semester ECE, secured 1st place in Scantilak (Games)-18 Roborace competition- Advitiya-2018 held on 28th and 29th of September 2018 at KLE Institute of Technology, Hubli.



Shreyas B and Sowjanya Jain of 5th semester ECE, secured 1st place in Techelon Placement competition and 3rd place in Quibble verbal aptitude- Advitiya-2018 held on 28th and 29th of September 2018 at KLE Institute of Technology, Hubli.

- ❖ Adhitya K and Harshad G Naik of 5th Semester ECE, secured 2nd place in Torque-18 Roborace competition - *Advitiya-2018* held on 28th and 29th of September 2018 at KLE Institute of Technology, Hubli.
- ❖ Shwetha B has attended TEQIP- 1.3 sponsored Faculty enrichment program on “ Engineering Electromagnetics “ from 23rd – 27th July 2018 at VTU Regional Centre , Mysuru.
- ❖ Shwetha H R has participated in the "IEEE Nanotechnology Summer School 2018" organized by the IEEE NC SC JSC at centre for Nanoscience and Engineering ,IISC Bangalore from 16th to 20th of July 2018.
- ❖ Shwetha H R has published a paper titled "A Survey on Capacitive based CO₂ Gas Sensor” in IJET 27th September 2018.
- ❖ Prema K N and Roopa B S, Assistant professors, Dept of ECE, published a paper in International Research Journal of Engineering and Technology(IRJET), 5 volume, 7th July 2018, entitled *Virtual Reality: A Survey*.
- ❖ Dept. of ECE, organized a Workshop on “Basic Electronics” for 3rd semester ECE students on 13th August 2018, Co-ordinated by Dr. P Manjunatha, Professor and Head.

Department of Telecommunication Engineering

Inauguration program of one week workshop on "Advances in satellite communication and networking" organized by telecommunication Engg dept of JNNCE from 29.8.2018 to 02.09.2018. The program was inaugurated by Dr. Manjunatha K Naik, Vice Chancellor, University of Horticulture and Agricultural science, Shivamogga. Dr. S Rangarajan, Former director of ISRO, Dr. Nagarajan, Senior Principal Engineer, ST Electronics, Singapore were the chief guests. Sri. A S Vishwanatha, President of NES, Sri S N Nagaraja, Secretary, Sri T R Ashwatha Narayana Setty, Vice President, Sri H C Shivakumar Director of NES and Dr. L K Sreepathi, Vice Principal of JNNCE were present on the occasion. The programme was presided over by Dr. H R Mahadevaswamy, Principal of JNNCE. About 13 eminent scientists from ISRO and reputed Organizations were delivered talks in this workshop. The workshop is being attended by about 100 students and faculty members from all over Karnataka have attended this workshop.



Teacher's Day in THARANGA DEAF & DUMB School 05-09-2018



Internet awareness Workshop for Senior citizens & women on 15-09-2018



Dept. of TCE and ECE organized a One Day Workshop on "Free Internet Awareness and Digital Transaction Program for Ladies and Senior Citizens" on 15 Sep-2018. Co-ordinators: Nalina S B, Aparna, Bhuvana Khare and Anand Raj S.N



Two days IOT Workshop for 5th Semester students was conducted on 15th Sept 2018 to 16th Sept 2018, Mr. Benak Patel coordinated the workshop.

Department of Electrical and Electronics Engineering

❖ The Dept. procured equipments worth Rs. 3.00 lakhs to establish the New Basic Electrical Engg Laboratory introduced by VTU, for the 1st year B.E. from 2017-18.

Dr. A .H. Thejaswi Attended one day PG syllabus finalization workshop as per OBE on 6th Aug 2018, organised by VTU at BNMIT, Bangalore. Attended as a subject expert member in the interview panel of temporary staff recruitment on 3rd September 2018, at UBDTCE, Davangere.

Mr.Vidyashankar M. Attended one week AICTE – ISTE Induction Programme on *“Teaching Engineering and Pedagogy for Effective implementation of Outcome Based Education”* from 16th to 21st July, 2018 organized by NMAM Institute of Technology, at NITTE.

Mr.Vinayaka K. and Mr.Veerasha K. B. Attended one week National workshop on *“Advances in Satellite Communication and Network”* from 29th Aug to 2nd Sept 2018, conducted at JNNCE, Shivamogga.

Mr. H.M. Maheswarappa Attended two days workshop on *“Emerging Trends in Nano science and Nano Technology”* from 7th & 8th Sept.2018, conducted at JNNCE, Shivamogga.

Dr. H.B. Suresh Delivered technical talk on **Renewable Energy Equipments** on 5th July 2018 during the workshop organized for corporators and officials of Shimoga corporation, held at JNNCE and delivered technical talk on **“BIO-FUEL”** and renewable energy equipment's for Govt. ITI college students of Gajanoor on 12th July 2018, 17th July 2018 held at JNNCE and 22nd September 2018 at Dobbekoppa, Sagar Taluk,

Delivered technical talk on **Energy Security for Rural India** during the workshop on waste to wealth technologies on 24th July 2018 held at JNNCE.

Department of Mathematics

1. **M.R.Krishnamurthy** "Enhancement of heat transfer in an unsteady rotating flow for the aqueous suspensions of single wallnanotubes under nonlinear thermal radiation: A numerical study", Colloid and Polymer Science (Springer), Volume 296, Issue 9, pp 15011508 (2018). (IF- 1.967)
2. **M.R.Krishnamurthy**, "Effect of chemical reaction on Maxwell nanofluid slip flow over a stretching sheet", International Journal of Chemical Reactor Engineering (IJCRE), (2018). (IF- 0.881) ISSN: 1542-6580, DOI: <https://doi.org/10.1515/ijcre-2018-0065>.

List of Book Publications:

1. Thermal Conductivity in the Boundary Layer of Non-Newtonian Fluid with Particle Suspension, RudraSwamy N G, K Ganesh Kumar, **Krishnamurthy M.R.**, Gireesha B.J. and Venkatesh P, Impact of Thermal Conductivity on Energy Technologies, InTech - open science| open minds, ISBN: 978-1-78923-673-6.



STEP Block

Department of Physics

A two-day Science Academies' Lecture Workshop on 'on 'Emerging Trends in Nano-Science and Nano-Technology' was held on 7th and 8th September, 2018 at Jawaharlal Nehru National College of Engineering, Shivamogga, Karnataka. The workshop was organized by Department of Physics, JNNCE in association with Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad.

Dr. G U Kulkarni, Director, Center for Nano and Soft matter Sciences (CeNS), Bengaluru, Karnataka, was the Convener and Dr. Rajprakash H G, Assistant Professor, Department of Physics, was the Coordinator.



Valedictory Program

