



Glimpses of

Geethanjali Institute of Science and Technology

Gangavaram (V), Kovur (Md), S.P.S.R.Nellore (Dt) - 524 137

(Approved by AICTE & Affiliated to JNTU Ananthapuramu)

ISO 9001:2008 Certified Institution

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VOLUME -V

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ISSUE 1

Special Points:

- * Remote center for IIT Bombay under NMEICT - MHRD
- * E-Governance campus among 100 institutions in India
- * Nodal center for JNTU Ananthapur
- * Wi-Fi enabled campus
- * Institutional membership of CSI, IEEE, IETE, ISTE
- * Hub of Research and Academic activities

Inside the Issue:

- * Message from Secretary and Principal
- * About the Departments
- * NSS UNIT
- * Sports and Games
- * Training and Placements

Secretary's Desk

A News Letter holds mirror to a broad range of activities of a dynamic and vibrant Engineering Institution. There is no gain saying that a Technical Institution plays a very crucial role in the nation's march to technological advancement. The current age is witnessing an unprecedented progress in the spurt of science and technology and I am very glad to acknowledge the fact that GIST is also playing the humble role in executing the Herculean task of nation building on the foundations of technological excellence and social commitment, by transforming the young engineering aspirants into focused responsible and confident professionals driven by vision and values. I am extremely glad and gratified to note that GIST is marching ahead of its peer technical institutions in admissions and academic results and placements with its excellent infrastructure backed by cutting edge technology, eminent qualified faculty with a wealth of experience, and rich ambience, constantly expanding the scope of creativity and innovation, keeping pace with the evolving trends in technology, bridging the gap between the students' skill set and industrial needs and expectations. The multi-dimensional growth of a student is the watchword at GIST, which strikes a fine balance between the physical, mental, intellectual and emotional aspects of a student's personality. At GIST, application-oriented learning, socially relevant projects, industry-institute interaction, facilitating exchange of knowledge and sharing of ideas, through seminars, symposia and conferences will provide the youngsters with a global exposure and motivate them to carry forward the mission of making India into a technological superpower. I fervently believe that these cherished aspirations will materialize into a grand reality.



Sri N. Sudhakar Reddy, B.Tech
Secretary & Correspondent



Prof. Dr. G. Subba Rao,
M.Tech, Ph.D, MIE, MISTE, MSAE
Principal

A News Letter is a veritable encapsulation of the divergent academic, co-curriculars, extracurricular activities conducted and achievements and progress made by an engineering institution, from semester to semester spanning over an academic year. On the happy and exciting occasion of bringing out this News Letter, I reaffirm the unshakable commitment and unwavering focus of GIST towards reaching the pinnacle of academic excellence and glory, with trust, commitment, indomitable perservance and passion as the guiding forces. It is true that with the advent of globalization, characterized by economic reforms and dynamic interplay of market forces, technology is advancing by leaps and bounds, placing the onus on engineering institutions across the nation to rise to the occasion by tapping the inventive, creative and innovative potential of the young engineering aspirants who can make a meaningful contribution to the technological advancement of the nation. GIST, on its onward march to becoming a premier technical institution, will set a new bench mark in the quality of instruction, innovative, learner-friendly teaching methodologies, marked by industrial orientation, while not losing the sight of the need to bring about multi-dimensional growth of budding engineers with values, vision and social responsibility. On this very proud occasion I must say that the unrelenting quest for excellence is the quintessence of GIST, which will leave no stone unturned in its unbreakable resolve to make a sterling contribution towards the brilliant professional, career of the upcoming engineering graduates. In this context, I extend my whole hearted appreciation and warm compliments to the editorial staff, for putting their heart and soul in bringing out this News Letter with enlightening content, and very appealing form in superb quality.

Principal's Desk

EDITORIAL

An Engineering Institution is the most visible symbol of the technological vision of a nation. Since man invented wheel, fire and electricity human race has come a long way on its journey towards technological development. Science & Technology, besides reducing physical labor to a great extent, has brought in its wake countless comforts and luxuries to make life better, more enjoyable and worth living.

In this context we are very glad to note that GIST is playing a very constructive and instrumental role in the technological advancement of the country by churning out highly professional, focused and socially sensitive and responsible engineering graduates year after year. This abode of technical learning, with its lofty vision and exalted mission of imparting superior quality engineering education covering a broad spectrum of social strata, bringing the engineering education to the door step of the economically poor and marginalized sections of the society, is forging ahead towards the realization of its goal.

The management, administration have been perennial and inexhaustible sources of inspiration on its onward march ahead of its peer institutions, towards excellence and glory. The support and constant cooperation of the Management and Administration to the staff is undoubtedly worthy of mention here. GIST has willingly and cheerfully taken upon itself, the onerous responsibilities of producing world-class engineers with its top quality infrastructural facilities, eminently qualified, faculty with industrial exposure and corporate linkages, to be an indispensable part in the larger picture of industrial progress of the country. With the advent of globalization, engineering education has assumed to hitherto unknown dimensions, and GIST is poised to take on the new challenges to scale greater heights of glory and success, keeping pace with the evolving technologies in multiple domains. The students of GIST, it is to be stated with great pride and pleasure, are bringing laurels to the Institution with their outstanding academic performance, winning numerous distinctions, with sheer merit, talent, grit and perseverance. GIST races against itself in its effort to occupy the highest pedestal of engineering excellence and to remain there for many more years to come.

TECHNICAL ADVANCEMENTS

Unmanned Aerial Vehicles

Civil Engineering applications for Advanced Mapping and Scanning capacities for more accurate visualizations have been in the offing for quite some time now. Advanced and more sophisticated approaches have been designed and developed for mapping of the work sites, scanning and capturing photographs and videos for promotional purposes. The applications of Unmanned Aerial Vehicles (UAV) or drones have brought about revolutionary changes in the field with highly efficient and cost-effective output. There is no need of a pilot. The UAVs are programmable for specific tasks and can make multiple flights around the worksite capturing multiple perspectives. It also gives scope for photo scanning, an image capturing process using photos rather than lasers, which captures not just the ground surface, but also buildings, plants, benches, and other nearby structures – and represents them in three dimensions. With these advanced capabilities, drones will allow for more accurate and more interactive 3D representations of civil engineering projects.

Smart Watches

Smart watch is a wearable electronic device worn on the wrist and addresses some of the functions of the Smartphone. The smart watches can be integrated to smartphones to notify the users of the incoming mails, calls, messages and notifications from applications. Some smart watches have the provision of making telephone calls even. While most of the inexpensive models of the smart watches have black and white

'e-paper' display, options for colour display are available. Operation of the smart watch can be done using the touch screen or physical buttons or a combination of both. Various models are being brought out every day customizing to the diverse requirements of the users. Smart watches with inbuilt pedometers and heart rate monitors are also available now for tracking the health of the users.

Wireless Power Transmission

Wireless Power Transmission (WPT) occupies prime priority in the trending technologies in the realms of electronics. The technology envisages a continuous charging of the electronic devices overcoming the constraints of a power cord. This hypothetical concept has been the focus of research for over a century and the experimental results indicate a strong possibility for translating this theoretical idea into practice and application soon. The Technology involves microwaves, solar cells, lasers, and resonance of electromagnetic waves. Conventional wired power transmission systems depend on laying of the transmission wires between the distributed units and the consumer units with approximately 20-30% of the energy loss recorded due to the resistance of the transmission lines. At homes it is possible to recharge mobiles without the need for plugging into a power socket, or a pace-maker implant inside the human heart needs no replacement of battery and recharged from outside.

The broad working of the system has three major types of power transfer methods namely 1. Inductive coupling 2. Microwave Power Transmis-

sion and 3. Laser power transmission. This advanced power transmission is based on transferring solar power using microwave or LASER beam. The satellite is stationed in the geostationary orbit generating power through solar cells which is used to power a Microwave generator and accordingly generate microwave power. This Microwave power is transmitted using RF communication and received at the base station using a Rectenna that is a combination of an antenna and a rectifier and is converted back to electricity or required AC or DC power. The satellite can transmit up to 10MW of RF power.

Li-Fi

Light Fidelity or Li-Fi is a Visible Light Communications (VLC) system running wireless communications travelling at very high speeds. Li-Fi uses common household LED (light emitting diodes) lightbulbs to enable data transfer, boasting speeds of up to 224 gigabits per second. Professor Harald Haas of University of Edinburgh during envisioned light bulbs that could act as wireless routers. Li-Fi and Wi-Fi are similar in transmitting the data electromagnetically. Wi-Fi uses radio waves while Li-Fi runs on visible light. An LED lightbulb is a semiconductor light source meaning that the constant current of electricity supplied to an LED lightbulb can be dipped and dimmed, up and down at extremely high speeds, without being visible to the human eye. This means that it accommodates a photo-detector to receive light signals and a signal processing element to convert the data into streamable content.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Paper Presentations / Research Publications By Faculty

Mrs.G.Kameswari, Assoc. Prof, published a paper on "Rectangular Enclosure Possessing Multiple Apertures With Various Dimensions including Mutual Coupling Effect" in IJECE Journal.

Workshops / Conferences Conducted / Attended By Faculty

Mr.M.Mahesh Kumar attended a Five-day workshop on "Social Harmony, National Unity & Human Rights" for N.S.S functionaries of Southern States", organised by UAS, Bangalore from 27 to 31 July 2016.

Mr.M.Mahesh Kumar attended a Five-day Coordinators workshop on "CMOS, Mixed Signal and Radio Frequency VLSI Design", organised by IIT Kharagpur from 19 to 23 September 2016.

Mrs.G.Kameswari conducted "Theme Writing Contest on the occasion of IEEE Day 2016 Celebrations", at GIST, Nellore on 7 October 2016.

Mrs.G.Kameswari conducted "ELOCU-TION Competition" on occasion of International Student Day Celebrations 2016, at GIST, Nellore on 15 October 2016.

Mr.K.Naveen attended a One-day workshop on "National Instruments Project Championship" and stood 12 place in Asia Level", organised in Bangalore on 20 October 2016.

Mr.K.Naveen attended a Two-day workshop on "IEEE Student Section Congress" as the Regional Coordinator and Student Branch Coordinator", organised in Hyderabad from 22 to 23 October 2016.

Mrs.D.Nagajyothi attended a One-day

workshop on "Research Expo", organized by IIIT Chittoor on 22 October 2016.

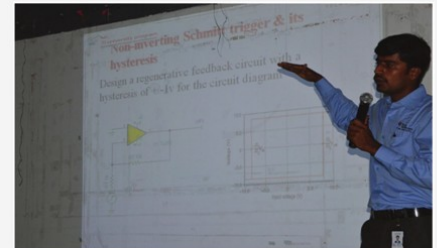
Workshops

Conducted a Two-day workshop on "The Software's used in the PCB design" on 19 and 20 August 2016 by Embedded Wings, Visakhapatnam. The Resource person Mr. Ajay interacted with the students and faculty and threw much light on the area of Printed Circuit Board and outlined various processes involved in distinguishing a PCB. He also explained at length various kinds of Softwares used in PCB design, the theoretical aspects and also its application and implantation.

Organized a One-day Hands-on Workshop on "Embedded System Design using TI MSP430" in collaboration with TI University Program Partner of Texas Instruments on 22 September 2016. The main objective of the workshop is to introduce the knowledge of a low power 16 bit RISC Microcontroller MSP430 and to provide hands-on experience on implementing various applications using MSP430. The workshop aimed at providing hands-on experience to the participants on the MSP430 and its applications based on the newly introduced curriculum. In the interactive lab session, hand-outs of the manuals for the experiments to be conducted, are supplied to the participants.

Guest Lectures

Organized a guest lecture on "Integration of Antenna with Multiple systems of Communication" on 22 October 2016. The Chief Guest Prof. Dr. N. Sreenivas Rao, Chairman of IEEE said that Satellite Communications, Mobile Communications, Wireless Communications would function more efficiently with the integration of Antennas. The smart antennas, linked



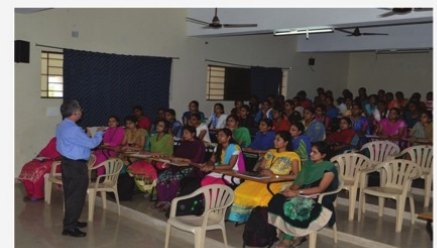
Workshop-PCB Design



Workshop-PCB Design



Workshop - PCB Design



Guest Lecture
Prof. Dr. N. Sreenivas Rao
Chairman, IEEE

up with intelligence would play a crucial role in the transmission and dissemination of vital data in desired directions and acilitate the consolidation and strengthen the internal security of the country. He emphasised the imperative of carrying out experimental and further research for the upgradation of the operational efficiency of the antennas.

Student Acheivements

S.Shanmukhachari (132U1A04A1), M. Venkata Bharath Kumar (132U1A04E2), G. Amarendra (142U5A0404), U.Sai K umar(132U1A04D1), G.Ashok(142U5A0405), M. Charan Teja (132U1A0463) and D.Sai Mohan (132U1A0426) Completed Inplant Training on "Basic Telecom" at BSNL, Gachibowli, Hyderabad from 4 to 9 July 2016.

T.Thulasi 132U1A04C7) completed Internship in "KAASHIV INFOTECH", Chennai from 8 to 12 July 2016.

T.Thulasi (132U1A04C7) attended a workshop on "NETWORKING", at ISR, Chennai on 12 July 2016.

G. Sai Bhavyanjani (152U1A0433), T. Eishitha (152U1A04E9), N. Yamini (152U1A0488), Chandana (152U1A0416) successfully completed "C-TRAINING" at GIST, Nellore on 19 September 2016.

K.Pradhyumna Kumar(142U1A0439), P.Sreenivasulu(142U1A0471) attended" IEEE Section Student Congress" at Hyderabad from 22 to 23 October 2016.

K. Pradhyumna Kumar (142U1A0439), P. Sreenivasulu (142U1A0471) attended" IEEE Section Student Congress" at Hyderabad from 22 to 23 October 2016.

SK. Arshiya Tabassum (152U1A04C1) and G. Divya Reddy (152U1A0443) presented a paper on "Bubble Wrap" in MOHANA MANTRA held at Sree Vidyaniketan, Titupati, on 8 October 2016.

SK.Sumeera(142U1A0498) and SK.Arshiya Banu (142U1A0490) presented a paper on "Space Elevator Technology" in TECHNOFEST held at NBKRIST, Vidyanagar, on 15 October 2016.

SK. Arifa (142U1A0489) presented a paper on "Magic Cube LASER Virtual Protection Keyboard" in TECHNOFEST held at NBKRIST, Vidyanagar, on 15 October 2016.

Industrial Visit

Department Organized an Industrial Visit for all the IV B.Tech students to SHATISH DAWAN SPACE CENTER (SDSC) SHAR, SRIHARIKOTA, NELLORE. on 3 November 2016.

Semester Toppers

IV-II



K. Bhargavi
122U1A0472
86.92%



B. Reshma
122U1A0408
85.38%

III-II



P. Kamakshi
132U1A0490
91.98%



S. Haritha
132U1A04B4
86.91%

II-II



G. Veena Reddy
142U1A0425
79.73%



M. Sai Chandana
152U5A0402
78.13%



Prof. Dr. K. Sreenivasa Rao,
Chairman IEEE - Felicitations



Visit to SHAR



Visit to SHAR



Felicitation to Dr. G. Kameswari on her being awarded Ph. D.

DEPARTMENT OF Computer Science AND ENGINEERING

Paper Presentations / Research Publications By Faculty

Prof. Dr. Y. Jahnavi, published a paper on "Secure Level Alien Parallel Trust against Sybil Attack in P2P E-Commerce" in IJIT Journal.

Prof. Dr. Y. Jahnavi, published a paper on "Designing an Optimal Data Delivery Strategy at Base Station in Mobility Nets" in IJIT Journal.

Prof. Dr. Y. Jahnavi, published a paper on "Community-Based Health Service for Lexis Gap in Online Health Seekers" in IJIT Journal.

Prof. Dr. Y. Jahnavi, published a paper on "A System Satisfying the Basic Requirements of Services in Unwired Nets" in IJIT Journal.

Prof. Dr. Y. Jahnavi, published a paper on "Scalable and Synchronized City-Scale Taxi Sharing" in IJIT Journal.

Mrs. V. Gayatri, Assoc. Prof., published a paper on "High Privacy through HOP- by- HOP Message Authentication in Wireless Sensor Networks" in IJIRCCE Journal.

Mrs. V. Gayatri, Assoc. Prof., published a paper on "Secure Level Alien Parallel Trust Against Sybil Attack in P2P E-Commerce" in IJIT Journal.

Mrs. V. Gayatri, Assoc. Prof., published a paper on "Designing an Optimal Data Delivery Strategy at Base Station in Mobility Nets" in IJIT Journal.

Mrs. N. Siva Nagamani, Assoc. Prof., published a paper on "A System Satisfying the Basic Requirements of Services in Unwired Nets" in IJIT Journal.

Ms. P. Radhika, Asst. Prof., published a

paper on "iOVFD for Concept-drift Problem in Big Data" in IJIT Journal.

Mrs. B. Susrutha, Asst. Prof., published a paper on "Analysing the Cloud Services From Perspective of Elasticity" in IJIT Journal.

Workshops / Conferences Conducted / Attended By Faculty

All faculty members of the Department have participated and certified in "C-Training" under IITB spoken tutorials, on 4 July 2016.

Prof. Dr. Y. Jahnavi, participated in a Six-Day workshop of Faculty Development Programme on "Data Science and Big Data Analytics" from 25-30 Nov 2016.

Conferences

The Department organized a National Conference titled "NCATCSIT-16 on Advanced Trends in Computer Science and Information Technology" in association with Computer Society of India on 8 October 2016.

Guest Lectures

The Department organized a Guest Lecture on "IOT and Cloud Computing" in association with Computer Society of India on 19 August 2016 by Dr. Ch. Pradeep Reddy, Associate Professor, SITE, VIT UNIVERSITY, VELLORE.

C Debugging

The Department conducted "C- Debugging - An Online Assessment test on C-programming" in association with Computer Society of India for III and IV year students to explore the programming knowledge on 22 September 2016.



Conference - NCATCSIT-16



Conference - NCATCSIT-16



Guest Lecture - Dr. Ch. Pradeep Reddy



Guest Lecture - Dr. Ch. Pradeep Reddy

Student Acheivements

48 students from II CSE got certified in "C Test" under IITB spoken tutorials, on 8 August 2016.

40 students from III CSE got certified in "Java Test" under IITB spoken tutorials, on 9 August 2016.

33 students from IV CSE got certified in "PHP and MYSQL Test" under IITB spoken tutorials, on 10 August 2016.

S. Sravani (142U1A0565), P. Mounika (142U1A0549), K. Vishnuteja (142U1A0533), and L. Sada Siva Swaroop (142U1A0535) were awarded a Big Data University Certificate of Completion in "Big Data 101" from Big Data University on 18 August 2016.

I. Vineela (132U1A0521), S. Sravani (132U1A0565), and P. Manoj Kumar (142U1A0550) got first, second and third prizes respectively in "C-Debugging- An Online Assessment Test on C programming" held at GIST, on 22 September 2016.

K. Navya (142U1A0530) and K. Sireesha (142U1A0525) presented a poster on "Evolution of Programming Languages" in the event JIGNASA-2K16 held at Pulla Reddy Engineering College, Kurnool, on 3-4 October 2016.

K. Sireesha (142U1A0525) and M. Revathi (142U1A0536) participated in "Two Day Workshop on Python" in the event Mohana Mantra 2k16 held at Sree Vidyanikethan Engineering College, Tirupati, on 6-7 October 2016.

Ch. Swapna (142U1A0529) of II M.Tech got the best paper award for the paper titled "Scalable and Synchronized City-Scale Taxi Sharing" in National Conference NCATCSIT - 2016 held at GIST, Nellore on 8 October 2016.

S. Rupa Rani (152U1A05A3) and P.

Maneesha (152U1A0571) presented a paper on "Cloud Computing" and won First Prize in National Conference NCATCSIT - 2016 held at NBKR Institute of Science & Technology, on 15 October 2016.

K. Keerthi Reddy (142U1A0529) and K. Sri Hari Priya (142U1A0534) presented a paper on "Information Security" in the event TECHNOQUEST 2016-17 held at NBKR Institute of Science & Technology, on 15 October 2016.

S. Sravani (132U1A0565) and W. Aditya Varun (132U1A0577) presented a paper on "Google Glass" and won Third Prize in the event TECHNOQUEST 2016-17 held at NBKR Institute of Science & Technology, on 15 October 2016.

Semester Toppers

IV-II



S. Maheswari
122U1A0551
79.38%



P. Sushma
122U1A0544
79.23%

III-II



D. Samhitha Priya
132U1A0512
82.84%



S. Sravani
132U1A0565
79.51%

II-II



J. Bhavya Sree
142U1A0524
70.01%



D. Thanusha
152U1A0517
73.33%



C-Debugging



I. Vineela - C-Debugging First Prize Winner



Ch. Swapna - NCATCSIT -2017 Best Paper Award



S. Rupa Rani - NCATCSIT -2017 Best Paper Presentation

DEPARTMENT OF MECHANICAL ENGINEERING

Paper Presentations / Research Publications By Faculty

Mr. CH. Mani Kiran, Asst. Professor, Published a paper titled "Design and Assembly of Four Cylinder Engine Components and Static Analysis on Crank Shaft" in July 2016, volume-2, Issue -1, IJRSE.

Mr. K. R. Sreedhar, Asst. Professor, Published a paper titled "Design Modification and Analysis of Wheel Fitting by Using Lock Mechanism" in September 2016, volume-1, Issue -5, IJERMCE.

Mr. K. Sri Rami Reddy, Asst. Professor, Published a paper titled "Design Modification and analysis of wheel fitting by using lock mechanism" in September 2016, volume-1, Issue -5, IJERMCE.

Mr. K. R. Sreedhar, Asst. Professor, Published a paper titled "Analyzing Augmentation of Heat Transfer in Horizontal Tube with Insert by using FEA/Taguchi Method" in November 2016 volume-1, Issue -11, page 1-5, IJSDR.

Workshops / Conferences Conducted / Attended By Faculty

Mr. Rahamath Basha Shaik, Asst. Professor, attended a Workshop on "Outcome Based Educational System and Values of NBA" at Meenakshi College of Engineering, Chennai on 20 and 21 June 2016.

Mrs.V. Kathyayani, Asst. Professor, attended conference on "Dual axis Automatic Solar Tracking System using LDR Sensors" at JNTUA, Ananthapuramu on 27 August 2016.

Mr. K. R. Sreedhar, Asst. Professor, attended Conference on "Design Modification and Analysis of Wheel Fitting by using Lock Mechanism" at ISER, Nellore on 4 September 2016.

Mr. K Sri Rami Reddy, Asst. Professor, attended Conference on "Design Modification and Analysis of Wheel Fitting by using Lock Mechanism" at ISER, Nellore on 4 September 2016.

Mrs.V. Kathyayani, Asst. Professor, attended conference on "Dual Axis Automatic Solar Tracking System using LDR Sensors" at NIT, Warangal, on 7 October 2016.

Industrial Visit

III Year Mechanical Engineering students visited "APSRTC Regional Zonal Workshop" on 26 October 2016.

Semester Toppers IV-II



V. V. Hemanth
122U1A0358
75.20%



B. Jagadish
122U1A0305
74.40%

III-II



V. Praveen
132U1A0356
76.79%



E. Charan Kumar
132U1A0309
76.30%

II-II



Ch. Harsha Vardhan
142U1A0309
78.40%



M. Bhavan Chandu
142U1A0328
77.20%



Visit to APSRTC Regional Zonal Workshop



Visit to APSRTC Regional Zonal Workshop



Visit to APSRTC Regional Zonal Workshop



Visit to APSRTC Regional Zonal Workshop

DEPARTMENT OF CIVIL ENGINEERING

Guest Lectures

The Department of Civil Engineering always pulastes with several academic activities in order to enrich the students in mutiple perspectives and lead them towards better exposure. In this process several Extension Lectures and Guest Lectures have been planned and executed during the current academic year.

The Department conducted a Guest Lecture on "Cement & Concrete-An Insight into The Wonderful World" by Tools Academy for Career Excellence, Bangalore on 13 and 14 August 2016.

Workshops/Conferences Attended By Faculty

Mr. G.Pranay Kumar, Ms. N.Bharathi, Mr.B.Mahendra Reddy, Mr.T.Bhargava, Mr. S.Ruthwik, Ms.U.Swathi, Ms.Sk.Dilku-sha,Ms.M.Reshma, Ms.K.Sai Sindhu Ms. V.Prathima Reddy, Sk.Nadhim attended a Two-Day Training programme on "Cement & Concrete -An Insight into the Wonderful World" by Tools Academy for Career Excellence for CIVIL Engineering, Bangalore on 13 and 14 August 2016.

Journal Publications of Faculty

The Department continuously strives to enhance the research aptitude among the faculty. They are encouraged to write and publish aritcles in several National and International Journals. The papers published have a wide diversity in the areas of focus pertaining to the current Industrial practices and modern innovations and their efficacy in adapting to our requirements.The following are some of the accomplishments of the members of the faculty during the current academic year in the realms of publishing the research papers:

Mr.G.Pranay Kumar Published a paper on "A Comparitive Study on Concrete Containing E-Plastic Waste and Flyash Concrete with Conventional Concrete" in International Journal of Engineering Research, September-October 2016.

Mr.B.Mahendra Reddy Published a paper on "Non-linear Static Behavior of an Irregular Structure of Progressive Collapse on Different Failures of Columns" in International Journal of Engineering Research and General Science on 24 November 2016.

Ms.M.Reshma Published a paper on "Weigh up the Previous Concrete Durability in Terms of Grades" in International Journal of Innovative Technology and Research, Vol No.4 Issue No.6 November 2016.

Ms.V.Prathima Reddy Published a paper on "Comparative Analysis of Compressive Strength and Stress Strain Behavior of SIFCON with Ferrocemen and Comparative Analysis of Compressive Strength and Split Tensile Strength of SIFCON with Ferrocement" in International Journal of Engineering Research on 8 August 2016.

Sk.Nadhim Published a paper on "A Comparative Study on Concrete Containing E-Plastic Waste and Fly-ash Concrete with Conventional Concrete" in International Journal Engineering Research on 5 September 2016.

Mr.P.Amjath Khan published a paper on "Smart Parking, Highway Safety Plan and Rural Road Development" in International Journal of Engineering Research on 13 September 2016.

Student achievements

Sk.Akram (142U1A0154) and Sd. Akhil Ahmed(142U1A0167) got Second prize in Poster Presentation on " Perspective Drawings" in Mohanamantira, organized by Sri Vidyaniketan Engineering College, Tirupathi on 6 and 7 October 2016.

Sk.Akram (142U1A0154) and Sd.Akhil Ahmed (142U1A0167) participated in Paper Presentation on " Perspective Drawings" in Mohanamantira, organized by Sri Vidyaniketan Engineering College, Tirupathi on 6 and 7 October 2016.

Semester Toppers

IV-II



N.Venkata Prasad
122U1A0157
82.8%



V.Bhavya Sri
122U1A0192
80.66%

III-II



U. Surendra
132U1A0192
89.33%



M. Yamini
132U1A0141
78.5%

II-II



K.Sai Chihnitha
142U1A0121
80.53%



V. Sai Raj
142U1A0191
78.27%

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Paper Presentations / Research Publications By Faculty

Mr. K. V Ravindra, Asst Professor and Mr T. Ravikumar, Associate Professor Published a paper on "A New Multifunctional D-Statcom for Stiff Source Fed to Industrial Applications" in International Journal of Scientific Engineering and Technology Research, June 2016. Vol.05, Issue.14, Pages: 2854-2858. ISSN 2319-8885.

Mr. K. V. Ravindra, Asst Professor and Mr T. Ravikumar, Associate Professor Published a paper on "Analysis of Switched Boost Inverter Based on DC Nano Grid Application" in International Journal of Engineering Science and Computing, August 2016. ISSN 2321-3361. Volume 6 Issue No. 8.

Mr. T. Ravi kumar, Associate Professor Published a paper on "High Efficiency PV based Interleaved DC-DC Converter for AC Load Applications" in International

Journal of Advanced Scientific Technologies in Engineering and Management Sciences", August 2016. Volume-2, Issue-8. (IJASTEMS-ISSN: 2454-356X).

Prof. TNVLN. Kumar and Mr S. Sridhar Associate Professor Published a paper on "Modeling, Simulation and Performance Study of Hybrid Wind Solar System using MPPT Algorithm" in International Journal of Advanced Technology and Innovative Research", October 2016 Volume. 08, IssueNo.17, Pages: 3241-3247

Semester Toppers

IV-II



Sk. Shamila Begum
122U1A0233
85.38%



N. Deepak
122U1A0222
84.62%



N. Bhavya
132U1A0229
89.6%



N. Haritha
132U1A0230
84.3%

III-II



B.V.S. Sai Sumanth
152U5A0202
78.4%



P. Prabanda
142U1A0228
76.7%

II-II

DEPARTMENT OF RESEARCH AND DEVELOPMENT

Workshops & Guest Lectures

The Department organized a Guest Lecture on "Engineering Fundamentals in Real Life Applications" to the Final Year ECE students on 13 June 2016 by Mr. Sureedu, Regional Joint Director, Tirupati.

The Department organized a Three Day Workshop on "Teaching of Teachers" from 21 June to 23 June 2016 by the resource person Prof. Dr. G.B. Jayaprakash Narain, Former Director NITTTTR and Centre for Environmental Studies, Anna University, Chennai

Theme writing contest

The Department conducted a "Theme Writing Contest" on 7 October 2016 under the auspices of GIST IEEE Students' Branch Chapter on the occasion of IEEE day celebrations.

Dr. A.P.J. Abdul Kalam's Birthday Celebrations

The birthday of honourable President, Bharatha Ratna, India's Missile Man, Dr. A. P.J. Abdul Kalam was celebrated on 15 October 2016 under the auspices of GIST

IEEE Student Branch with gaiety and fervour. On this occasion an Elocution Competition was held on the theme of "Dream India of Abdul Kalam".



Prof. Dr. G. B. Jayaprakash Narayan,
Former Doirector, NITTTTR



Theme Writing Contest



Guest Lecture - Mr. Sureedu,
Regional Joint Director, Tirupathi



A P J Abdul Kalam Birthday

DEPARTMENT OF Science and Humanities

Paper Presentations / Research Publications By Faculty

Mrs. K. Vijaya, Dr. B. Lavanya Mrs. M. Gayatri, Mrs. B. Anuradha, Mrs. T. Sujatha participated in UGC sponsored Two-Day National Seminar organized by Pithapuram Rajah's Govt. College, Kakinada, Andhra Pradesh on "Recent Trends and Applications in Mathematics and Statistics" from 28 and 29 September 2016.

Dr. B. Lavanya presented a paper entitled "Influence of Chemical Reaction and Heat Generation on Transient MHD-Free Convective Flow over a Vertical Plate in Slip-flow Regime" in Two-Day International Conference on Recent Innovations in Engineering, Science Humanities and Management, organized by Gayatri Vidya Parishad College for Degree and PG Courses, Rushikonda Vishakapatnam, A.P. on 11 and 12 August 2016.

Dr. B. Lavanya published a paper entitled "Hall Current on Heat and Effect of Thermal Radiation and Mass Transfer of Unsteady MHD Flow of a Viscoelastic Micropolar Fluid through a Porous Medium with Chemical Reaction" in IEEE digital library on 3 November 2016.

Dr. B. Lavanya published a paper entitled "Soret Effect and Effect of Radiation on

Transient MHD Free Convective Flow over a Vertical Plate through Porous Media" in International Journal of Engineering Science Invention, ISSN(online):2319-6734, ISSN(Print):2319-6726.

Dr. B. Lavanya published a paper entitled "Influence of Chemical Reaction and Heat Generation on Transient MHD free Convective flow over a Vertical Plate in Slip-flow Regime" in International Journal of Science, Technology and Management (ISSN:978-93-86171-02-3) Volume 05, Issue 08, August 2016.

Mr. Ganapathi published a paper entitled "Lubricated Spherical Bearings with Surface Roughness", in International Journal of Advances in Engineering and Technology Vol.9, Issue 3, pp 412-420.

Dr. Paala Krishna published a paper entitled "Synthesis and Biological Evolution of Novel" (4-chloro phenyl) (1R, 3R, 5S) -3-(phenyl-amino)-8-azabicyclo[3.2.1] octan-8-yl methanone derivatives, Der Pharma Chemica, 8(14), 67-72, 2016.

Mrs. Swaroopa presented a paper titled "Disaster Planning and Management" in the National Conference on Large Scale Multi-disciplinary Systems of National Significance-Trends and Challenges held at SDSC SHAR, ISRO, Sriharikota from 24 to 26 Jun 2016



Mr. Annadata Mani
Orientation Programme-2016



Mr. T. Venu Gopal
Orientation Programme-2016



Sri Tirumaleswara Reddy, DSP,
Nellore

Student Achievements

B. Vishnu won the II prize in the TECHNO-CITHRA organized by the "MIGHTY YANTRIK" of Mechanical Engineering Department, Narayana Engineering College, Nellore held on 12 August 2016 on the occasion of 70 Independence Day Celebrations.

K. Praveen got selected for JNTUA Kabaddi Selections held on 3 November, 2016.

I B.Tech Inauguration Ceremony

Orientation programme for I B. Tech students was conducted in the campus on 30 June 2016. The chief guest Sri T. Venu Gopal, Psychologist, Personality Development Trainer addressed the students and parents. He suggested the students to improve self confidence, leadership qualities and skills by utilising advanced technologies. Honorary Guest Annadata Mani suggested the teaching staff to provide education with values which enables the students to feel social responsibility.

Freshers Day Celebrations

Freshers day for I B. Tech students was celebrated in the campus on 1 October 2016. The Chief Guest Sri Tirumaleswara Reddy, D.S.P, Nellore Rural addressed the students. He suggested the students to put efforts in the selected field to get settled financially in their lives. He also appreciated the students on making the campus, ragging-free.

Awareness Programme By Ramakrishna Seva Samithi

An awareness programme was organized by Ramakrishna Seva Samithi at GIST on 28 October 2016 on the 150 birthday of sister Niveditha for I year engineering students. Dr. Mohana Raju, President, Ramakrishna seva samithi highlighted the

humanitarian service rendered in India by sister Niveditha, who was an ardent disciple of Swami Vivekananda. He said that Niveditha was an infallible embodiment of compassion, kindness and love. He urged the students to emulate Niveditha and help poor and the sick imbibing her divine qualities.

Semester Toppers

ECE



G. Divya Reddy
152U1A0443
9.29 SGPA



Sk. Arshiya Tabassum
152U1A04C1
9.14 SGPA

CSE



R. Sai Vaishnavi
152U1A0589
9.14 SGPA



S. V.Ruparani
152U1A05A3
9.14 SGPA

EEE



P. Sai Sasidhar
152U1A0229
8.86 SGPA



A. Lavanya
152U5A0201
8.86SGPA

CE



P. Poojitha
152U1A0163
8.71 SGPA



S. Swathi
152U1A0195
8.57 SGPA

ME



Sd. Tausif Ahamed
152U1A0350
9.00 SGPA



R. Charan
152U1A033591.
9.00 SGPA



Mr. Thirumaleswara Reddy, DSP, Nellore
Chief Guest- Freshers' Day-2016



Cultural Programmes-
Freshers' Day Celebrations - 2016



Cultural Programmes-
Freshers' Day Celebrations - 2016

NSS UNIT

Mass Tree Plantation Programme

Mass Tree Plantation Programme was held at Buchi Reddy Palem on 19 Jul 2016 in association with Andhra Pragathi Grammeena Bank. On this auspicious day nearly 4000 saplings were distributed to the villagers.

Work Shop on Handicrafts

A Work Shop on Handicrafts was conducted by NSS unit of GIST in association with Fedilite Company for three weekends from 09 Jul 2016 to 30 Jul 2016.

TOT Programme On "Social Harmony, National Unity & Human Rights"

GIST NSS Programme Officer Mr. M. Mahesh Kumar attended TOT Programme On "Social Harmony, National Unity & Human Rights" for N.S.S Functionaries of Southern States from 27 to 31 July 2016 held at University of Agricultural Sciences, Bangalore.

Anti Ragging Oath

An Anti Ragging Oath was taken by the senior NSS volunteers of GIST on 4 Aug 2016.

Mass Tree Plantation Programme VANAM MANAM

A Mass Tree Plantation Programme VANAM MANAM initiated by the State Government was held at GIST on 6 Aug 2016. Nearly 300 saplings were planted by the students & faculty.

Occasion of Krishna Pushkaras

On the Occasion of Krishna Pushkaras GIST NSS unit conducted various events like Tree plantation, Swachh Bharath, and conducted various competitions for stu-

dents like Essay Writing, Painting and Elocution.

Independence Day Celebrations

Independence Day Celebrations were held at GIST on 15 Aug 2016 by GIST NSS unit.

Independence Day Week Celebrations

The Central Government sponsored Independence Day week celebrations on behalf of AZADI-70 came to a close at GIST on 23 August 2016. As a part of the initiative, various events were organized from August 9 to August 23 2016, at the Institution like Tree-plantation, Patriotic songs, Poetry Contest, Essay Writing, Elocution. According to Sri Dr. G. Subba Rao, Principal "All the 2500 students of the College, faculty, Management representatives, technical and administrative staff lent their voice in chorus to render National Anthem. 500 I year engineering students formed a huge India map on the campus".

Mega Voluntary Blood Donation

The N.S.S. Unit of GIST, in collaboration with Lions' Club Nellore, conducted a Mega Voluntary Blood Donation Camp in connection with Engineers Day on 15 Sep 2016, and donated 214 units of blood to the Red Cross Blood Bank.

Seasonal Disease Rally

A Seasonal Disease Rally was conducted by GIST NSS unit on 23 Sep 2016 at Gangavaram village to create the awareness on the seasonal diseases like dengue, malaria due to mosquito bite.

Anti-Ragging Awareness Programme

An Anti-Ragging Awareness Programme

was organized at GIST on 24 August 2016, for the II year students. Participating in the programme as the Chief Guest, Smt. G. Geetha, Senior Civil Judge, Kovur, said that "Ragging is an evil and unlawful practice imported from the West. Innumerable junior students were taking their lives across University campuses in India, unable to endure the physical as well as mental suffering resulting from this evil practice."

The Guest of Honor, Mr. A.Venkata Rao, SI, cautioned the students against resorting to ragging, thus placing their future at risk. Dr G. Subba Rao, Principal said that GIST had earned name and fame as a ragging-free campus and many remedial measures were initiated in the campus to prevent ragging incidents.

Dr. A.P.J. Abdul Kalam's Birthday Celebrations

The Birthday celebrations of honorable former President of India, "Bharatha-Rathna", Dr. A.P.J. Abdul Kalam were held with gaiety and fervor on 15 Oct 2016, under the auspices of GIST N.S.S. Unit.

The Principal, Dr. G. Subba Rao garlanded the portrait of Dr. A.P.J. Abdul Kalam and addressed the HoD's, faculty and students.

The academic ambience at GIST always pulsates along with meaningful celebrations of all important days relevant to the Engineering students. All celebrated personalities in the realms of Science and Technology are remembered and their birthdays, their contributions and their rich inheritance are recollected and duly respected.

This is one small gesture on the part of GIST to inculcate value-based system among the aspiring students.



Mass Tree Plantation- Vanam Manam



Tree Plantation- Vanam Manam



Blood Donation Camp



Workshop on Handicrafts



Essay Competitions- Krishna Pushkarams



Seasonal Disease- Awareness Rally



NSS Programme Officer, M.Mahesh Kumar



Independence Celebrations -2016



Smt. S. Geetha, Senior Civil Judge
Anti-ragging Awareness Programme



Anti-Ragging Oath- Senior Volunteers



Independence Day Celebrations-Azadi 70



Dr. Abdul Kalam Remembered

SPORTS AND GAMES

Mr. K. Manoj Kumar (CIVIL) Selected for South Zone Chess Meet held at ALTS, Ananthapuram, 19 Sep 2016.

Mr. Sk. Shoyab (CIVIL) Selected for South Zone Volley Ball Meet organized at NEC, Gudur on 27 Oct 2016.

K. Praveen (I ECE), D. Hemanth Reddy (IV CIVIL), U. Dinesh (IV CIVIL), M. Gnanesh (IV MECH) are selected for South Zone Kabaddi selections organized at Chala-wada Ramanamma Engineering College on 3 Nov 2016.

The Second Year Polytechnic student T. Pradipal (CIVIL) bagged Third Prize in the State Level Long Jump competition held at AANM & VVRS Polytechnic college, Gudlavalleru, Krishna Dist from 20 to 22 December 2016.



T. Pradipal - Long Jump (State Level)



Sk Shoyab - Volley Ball (South Zone)



U. Dinesh, K. Praveen, D. Hemanth Reddy
Kabaddi (South Zone)



K. Manoj Kumar - Chess (South Zone)

TRAINING AND PLACEMENTS

Carving Careers' in GIST, a Training and Placement Division, has been very active ever since its inception. It has been shaping the careers of several rolled-out students by providing them adequate training facilities in the 'Employability Skills' and assisting them with placement support. The In-house Trainers and Trainers from outside impart extensive training to the students in the essential skills to make them employable. Language Skills, Communication and specific Employability Skills have been in focus along with aptitude and core competencies.

In the context of getting competent and potential resources, several Multi-national companies have been showing interest in the Institution to recruit candidates from the college. Prestigious companies like TECH MAHINDRA, MPHASIS, SLK and EXCELENCIA, INFOVIEW, INDUS TOWERS, CP GROUP, CAPGEMINI, NetElixir and others have conducted campus recruit drives in the Institution. Carving Careers is very happy to inform that the following students have been selected in various drives conducted in between the months of June-December 2016:

S.No.	Name of the Company	Drive Date	Salary Package	No. of Offers
1.	TECH MAHINDRA	16 Sep 2016	3.25LPA	17
2.	MPHASIS	3 Oct 2016	2.5 LPA	10
3.	SLK	3 Nov16	2.4 LPA	5
4.	EXCELENCIA	12 Dec 16	2.4 LPA	5



V. Madhu Latha
132U1A04E0
TECH MAHINDRA



SK. Masthanamma
132U1A0244
TECH MAHINDRA



P. G. Saideep
132U1A0338
TECH MAHINDRA



B. Geervani
132U1A0414
TECH MAHINDRA



K. Venkata Sruthi
132U1A0458
TECH MAHINDRA



M. Vennela
132U1A0460
TECH MAHINDRA



M. Sai Lakshmi
132U1A0462
TECH MAHINDRA



N. Anjani Priyanka
132U1A0478
TECH MAHINDRA



N. Harisha
132U1A0479
TECH MAHINDRA



P. Kamakshi
132U1A0490
TECH MAHINDRA



C. V. S.L. Suharika
132U1A0511
TECH MAHINDRA



I.Vennela
132U1A0520
TECH MAHINDRA



I.Vineela
132U1A0521
TECH MAHINDRA



P. Mounica
132U1A0549
TECH MAHINDRA



S. Sravani
132U1A0565
TECH MAHINDRA



V. Radha Yamini
132U1A0576
TECH MAHINDRA



W. Aditya Varun
132U1A0577
TECH MAHINDRA



S. Shanmukhachari
132U1A04A1
EMPHASIS



SK. MD. Noore E Bhanu
132U1A04A7
EMPHASIS



S. Haritha
132U1A04B4
EMPHASIS



T. Mahitha
132U1A04C8
EMPHASIS



N. Bhavya
132U1A0229
EMPHASIS



G. Sree Abhinaya
132U1A0437
EMPHASIS



K. Kamala Swetha
132U1A0451
EMPHASIS



G. Leela Krishnaja
132U1A0515
EMPHASIS



L. S. S. Swaroop
132U1A0535
EMPHASIS



T. Mallikarjun
132U1A0571
EMPHASIS



SK. Sabeeha Sulthna
132U1A04B0
SLK



V. Mounika
132U1A04D5
SLK



K. Pravallika
132U1A0217
SLK



G. Prashanth
132U1A0436
SLK



Y.V. Kiran
132U1A0578
SLK



SK. Abdul Kayum
132U1A04A3
EXCELENCIA



SD. Syed Tabassum
132U1A04C0
EXCELENCIA



D. Mounika
132U1A0427
EXCELENCIA



K. Susmitha
132U1A0455
EXCELENCIA



T.V.L Priyanka
132U1A0567
EXCELENCIA

RECRUITMENT PARTNERS FROM JUN-DEC 2016

**Tech
Mahindra**



Mphasis
Unleash the Next

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