

# News Letter

Volume VI July 17 - Dec 17 Issue -I



## The Orientation-cum-Induction programme for the 1 year B.Tech students



The Orientation-cum-Induction programme for the 1 year B.Tech students joined in Geethanjali Institute of Science & Technology, Gangavaram, Nellore Dist was celebrated on 30<sup>th</sup> June 2017.

The Chief Guest of the programme was Ms. D. Haritha, Deputy Collector & Project Director (DWMA), who motivated the students as to how great heights can be scaled even in adverse situations, through uncompromising goal setting, hard work, dedication and determination.

The other guests of honour were Mr. Sanjivi Syamsundar, Director-Delivery, Virtusa Polaris,

Chennai and Mr. N.G. Raju, Head of Recruitment & Marketing, who have inspired the students with a general orientation to Engineering education and awareness on opportunities available for the deserving.

The parents and the freshly joined students attended the programme with great enthusiasm. Grand spectacles of the teachers symbolically imparting the light of knowledge to the students through kindling the lights in great procession, classical dances and cultural events were the high-lights of the day.

Mr. D.B.RaviReddy, Chairman, USHODAYA EDUCATIONAL SOCIETY, Mr. N. Sudhakar Reddy, Secretary and Correspondent, Prof Dr. G. Subbarao, Principal, Mr. P Srinivasulu Reddy, Joint Secretary, Mr. Y. Vijay Shankar Reddy, Treasurer, all HODs, and Faculty took part in the event.



## GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

An ISO 9001: 2015 certified Institution – Unit of USHODAYA EDUCATIONAL SOCIETY

3rd Mile, Bombay Highway, Gangavaram (V), Kovur(M), SPSR Nellore (Dt), Andhra Pradesh, India- 524137

Ph. No. 08622-212779, 212781, Fax: 08622-212778,

E-Mail: principal@gist.edu.in / geethanjali@gist.edu.in, Website: gist.edu.in



## *Secretary's Message*



Unveiling the News Letter marks an important milestone in the annals of a Technical Institution. I am very optimistic that GIST is going to play a very stellar role in the technological progress of the society by its deep commitments to carry the engineering education to the young aspirants coming from different strata of society. On this very significant occasion I assert that GIST is making a mighty endeavour in narrowing down the gap between students' skillset and industry requirements by constantly updating itself, keeping pace with the emerging technology, trends and developments, keeping in mind the prevailing job scenario. It is an undisputed fact that engineering education is all about creativity and innovation especially in taking the society forward to the levels of excellence. In the spheres of research and development, GIST is making steady headway, overcoming many challenges on the way. GIST as a leading technical institution in the district, takes upon itself the onerous responsibility of making a vital contribution to social progress and well-being by churning out year after year, Dynamic, Focused and Responsible Engineers gifted with forward looking vision and vested with technological mission.

I extend my hearty congratulations and best wishes to the editorial team, who left no stone unturned in bringing out the News Letter 2018 with an impressive eye catching getup and enlightening content.

## *Principal's Message*

News Letter is a veritable essence and spirit of an Engineering Institution that is forging ahead inexorably on the path to excellence and advancement. The News Letter 2018 of this premier technical institution, it is fervently hoped, would eminently serve the purpose of keeping the elite readers informed of the study and remarkable progress registered by the institution moving past semester after semester, on its unstoppable march. It is true that GIST has earned the pride of place among several Technical Institutions spread across the district, sailing against the wind, surpassing many complex challenges and ultimately gaining prominence as a unique institution with its myriad salient features, ranging from cutting-edge-technology to institute-industry interaction to robust research and development activities. A News Letter constitutes an integral part of a Technical Institution that would hold mirror to multifarious events taking place in the institution in each semester. A News Letter is a perennial source of information and enlightenment and serves to boost up the image of the institution, the staff and the students associated with it. On the memorable occasion of bringing out the News Letter I express my warm compliments and hearty appreciations to the editorial staff, who took great pains and exhibited extraordinary commitment to the task of publishing the News Letter in its present exquisite form with enlightening the substance.





## **Editorial message**

*News Letter generally symbolises the continuous onward march of an institution highlighting its activities accomplishments, achievements, milestones and land-marks over the years. It is no exaggeration to state that GIST is a unique Technical Institution that sheds focus on the multi-faceted development of students' personality facilitating the physical, emotional and intellectual growth of the budding engineers, in their formative years. GIST is a place where modernity and tradition come together, with values and professional ethics serving to enrich the young minds, apart from expanding the boundaries of their technical knowledge. GIST exerts a transformative influence on the engineering aspirants by imparting value based technical education with the objective moulding them not only into successful engineers but also decent human beings with robust value system. The News Letter 2018 keeps the reader abreast with the various academic activities, technical events with extra-curricular activities, sports and cultural programs, social service initiatives which are routinely conducted at GIST. This would pave the way for the all-round development of a youngster's character.*

*A broad range of initiatives undertaken by the institution are aimed at achieving the holistic development of a student, thus transforming him into potential stake holder in technical learning. We would feel immensely glad and gratified if this News Letter serves the purpose of informing the readers about the Herculean endeavour that GIST is putting forward to produce visionary future leaders, who would be the torch-bearers of tomorrow's technological advancement and societal progress*

### **Editorial Board :**

**Patron** : Sri N. Sudhakar Reddy

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Mr. Y.V.Ramesh

Mr.P.Sreenivasulu

Mr. K.Venkata Ravindra

Ms. Sk. Dilkusha

Dr. L. Vinay Kumar



# Department of Computer Science and Engineering

## International Conference on "Innovations in Internet of Things for Smart Cities (ICIOTSC-17)"



The Department has organized an International Conference on "Innovations in Internet of Things for Smart Cities (ICIOTSC-17)" in association with the Institute for Engineering Research and Publications (IFERP) from 21 July 2107 to 22 July 2107.

## Seminar on "AWS and Industry Expectations"



A One-day Power Seminar on "AWS and Industry Expectations" was organized under joint auspices of the Department of CSE and ICT Academy on 30th December 2017. The Resources persons were Mr.R. Chandran, Chief Information Officer, Bahwan Cybertek and Mr.Bharat Mohan, HR Manager, Virtusa Polaris

## FDP'S organized:

The following Faculty Development Programmes have been organized by the Department for periodic up gradation of the skills of the faculty

1. An FDP as a Two-days Weekend Training Programme, "Saptahaant Shikshak Prashikshan (SSP)" on "Introduction to Machine Learning" conducted by IIT Kharagpur held between 16 and 17 December 2017.
2. An FDP on "Foundation for ICT Education" conducted by IIT B between 3 August and 15 November 2017
3. An FDP on "Blending Animations" conducted by IIT B between 5 September and 17 December 2017.



## Workshops/ Symposiums Organized:

1. In association with Computer Society of India a one day power seminar on AWS AND INDUSTRY EXPECTATIONS by Mr.R.Chandran, Chief Information Officer, Bahwan Cybertek & Mr.BharathMohan, HRManager, Virtusa Polaris on 30 December 2017.
2. Organised a Two Day Workshop on JAVA PROGRAMMING by Mr.B.SujithBabu, Senior Software Engineer, TechMahindra, Bangalore from 22 September 2017 to 23 September 2017.
3. Organised a Two Day Workshop on GOOGLE ANDROID DEVELOPER FUNDAMENTALS (Phase-1) delivered to the students Mobile Application Through Android Under the auspices of Andhra Pradesh State Skill Development from 15 September 2017 to 17 September 2017.

## Industrial Visit:

Three days Industrial visit to Mobile Programming Pvt Ltd., Bangalore for IV B.Tech CSE Students from 21- 23 October 2017.





### **Guest Lectures:**

A guest Lecture was organized on 09 Sep 2017 with Mr.B.SujithBabu, Senior Software Engineer, TechMahindra, Bangalore as the resource person, delivered a guest lecture on JAVA Programming to the B.Tech., III year CSE students.



### **Workshop attended by Faculty :**

1. Prof. Dr. Y. Jahnavi, participated in a Six Day workshop DATA ANALYTICS USING R conducted by IIT Kharagpur held on 20 November 2017 to 26 November 2017.
2. Ms. P. Radhika, Asst. Prof., , participated in a Six Day workshop DATA ANALYTICS USING R conducted by IIT Kharagpur held on 20 November 2017 to 26 November 2017.
3. Mrs. V. Gayatri, Assoc. Prof., participated in a Six Day workshop ADVANCES IN COMMUNICATION NETWORKS USING NETWORK SIMULATOR NS3 conducted by Rajarajeswari College of Engineering, Bangalore held on 11 December 2017 to 16 December 2017.
4. Prof. Dr. Y. Jahnavi, participated in a Five Day Faculty Development Program on DATA SCIENCE AND BIG DATA ANALYTICS conducted by NBKRIST, Vidyanagar held on 05 September 2017 to 09 September 2017
5. Ms. P. Radhika, Asst. Prof., participated in a Five Day Faculty Development Program on DATA SCIENCE AND BIG DATA ANALYTICS conducted by NBKRIST, Vidyanagar held on 05 September 2017 to 09 September 2017
6. Mr. Mr.K.Venkata Nagendra, Asst. Prof., participated in a Five Day Faculty Development Program on JAVA FUNDAMENTALS AND PROGRAMMING conducted by ASCET, Gudur held on 18 September 2017 to 22 September 2017.

### **Faucly Publications**

1. Prof.Dr.Y.Jahnavi, Assoc. Prof., published a paper on The Product Reviews in Social Websites Using Online Data: e-trait, in IJECS intl, Vol.6, Issue 12, Pg No.167-170, Dec 2017, ISSN No: 2348-117x.
2. Mrs.V. Gayatri, Assoc. Prof., published a paper on Data Packet Delivering Through Green Internet Routing Mechanism, in IJETSR intl, Vol.4, Issue 12 ,Pg No.731-736, Dec 2017, ISSN No: 2394- 3386
3. Mr. SK.Asiff, Asst. Prof., published a paper on POWER AND USAGE PROFICIENCY IN REMOTE SENSOR SYSTEMS BY USING CLONE IDENTIFICATION PROTOCOL, in IJCMS intl, Vol.6, Issue 12 , Pg No.310 - 320, Dec 2017, ISSN No: 2347 - 8527.
4. Mrs.V.Bharathi, Asst. Prof., published a paper on Method of classifying the phish website by using pruning decision Tree, in IJIACS intl, Vol.6, Issue 12, Pg No.119 -122, Dec 2017, ISSN No: 2347 - 8616.
5. Prof. Dr.Y.Jahnavi, Assoc. Prof., published a paper on A Survey on Support Vector Machines and Artificial Neural Network in Rainfall Forecasting, in IJFRC.SCE intl, Vol.3, Issue 11, Pg No.20-24, Nov-2017, ISSN No: 2454-4248.
6. Mr. K Venkata Nagendra, Assoc. Prof., published a paper on A Survey on Support Vector Machines and Artificial Neural Network in Rainfall Forecasting, in IJFRCSCCE intl, Vol. 3, Issue 11, Pg No.20-24, Nov-2017, ISSN No: 2454-4248.
7. Mr. K Venkata Nagendra, Assoc. Prof., published a paper on Supervised Classification of Rainfall Coverage Data in Andhra Pradesh Using Support Vector Machine, in IJRASET intl, Vol. 5, Issue X, Pg No.1198-1204, Oct-2017, ISSN No: 2321-9653.
8. Mr. K Venkata Nagendra, Assoc. Prof., published a paper on To Improve Data Storage Security Levels in the Cloud, in IJRITCC intl, Vol. 5, Issue 10, Pg No.59-63, Oct-2017, ISSN No: 2321-8169.
9. Mr. K Venkata Nagendra, Assoc. Prof., published a paper on A Survey on Classification Techniques Used for Rainfall Forecasting, in IJARCS intl, Vol. 8, Issue 9, Pg No.1-5, Sept-Oct 2017, ISSN No: 0976-5697.
10. Mr. K Venkata Nagendra, Assoc. Prof., published a paper on A Survey on Hybrid Techniques Using SVM, in IJRITCC intl, Vol. 5, Issue 9, Pg No. 115-120, Sept-2017, ISSN No: 2321-8169.



### **Student paper Presentations:**

1. P.Maneesha(152U1A0571) and P.Yamini(152U1A0584) III B.Tech CSE, presented a paper on Smart Garbage Monitoring Systems and won THIRD PRIZE at National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE, Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
2. P.Manasa(152U1A0570) and A Sandhya Rani (152U1A0502) III B.Tech CSE, presented a paper on Cloud Computing in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions, on 25, 26 September 2017.
3. R.SaiVaishnavi(152U1A0589),III B.Tech CSE, presented a paper on Cloud Computing in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
4. A.Sowmya (152U1A0507) and P.Sucharitha(152U1A0586)III B.Tech CSE, presented a paper on Software Development Models in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
5. D.Nikhitha(152U1A0517) and K.Hemalatha(152U1A0537)III B.Tech CSE, presented a paper on Software Development Models in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
6. Y.V.Tejaswi(152U1A05B8) and P.B.Vinuthna(152U1A0578)III B.Tech CSE, presented a paper on Cloud Computing in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
7. S.Chandana(152U1A05A2) and N.Mounica(152U1A0565)III B.Tech CSE, presented a paper on Information Security in National level Techno - Fest "Mohana Mantra" organized by Dept. of CSE,Sree Vidyanikethan Educational Institutions , on 25, 26 September 2017.
8. A.G.R.Nadhini(152U1A0503) and P.Sai Chandana(152U1A0568)III B.Tech CSE, presented a paper on New Life For Embedded Systems on Wind River in Techno - Fest "EITRONS-2K17" organized by Dept. of CSE, Narayana Engineering College, on 27 October 2017.
9. R.Damini(162U1A0580)and G.Chandana(162U1A0530) II B.Tech CSE, presented a paper on Li-Fi versus Wi-Fi in Techno - Fest "EITRONS-2K17" organized by Dept. of CSE, Narayana Engineering College on 27 October 2017.

### **Student's Highlights:**

1. K.N.D.Sri Vani(152U1A0538) of III B.Tech CSE was selected as a Gender Champion in a Programme Conducted by Ministry of Women&Child Development on 14 October 2017.
2. B.V.S Lavanya Swetha(162U1A0505) of II B.Tech CSE got FIRST prize on Women Empowerment Competition at GIST on 14 October 2017.
3. P.Sai Chandana(152U1A0568) III B.Tech CSE Secured over 8 CGPA ,Certificate on 8th annual day celebrations and get Illrd Prize on awareness of Women rights on 14, 16 October 2017.
4. I.Vineela got All India Rank 6124 in GATE 2017.
5. Nagulapalli Deepa (152U1A0564) of III B.Tech CSE secured India wide 100th Percentile Rank in Wheebox test Conducted on 18 September 2017.

### **Student Workshops/Quiz Participation:**

1. 48 students from IV CSE got certified in Python TEST under IITB spoken tutorials, on 17February2017.
2. 49 students from III CSE got certified in LINUX TEST under IITB spoken tutorials, on 16 February 2017.
3. 58 students from II CSE got certified in JAVATEST under IITB spoken tutorials, on 15February 2017
4. 99 Students from III CSE got certified in LINUX TEST under IITB spoken tutorials, on 14 September 2017.
5. 55 students from VI CSE got certified in PHP AND MYSQL TEST under IITB spoken tutorials, on 19 September 2017.
6. S.V. RupaRani (152U1A05A3), Certified NPTEL Online Course IMAD with consolidated score of 78% on 24 September 2017.
7. M.Haritha (152U1A0555) has participated in music magic on the occasion of FEMSPLASH-2k17 organised by Women's forum at Narayana Engineering College on 4 November 2017.
8. N.Suneesha(152U1A0567) participated Workshop on Ethical Hacking at SRM University on September 2017.
9. Organized COLLEGE TO CORPORATE from 7 September 2017 to 30 October 2017 conducted by IIT B for IV year students.
10. N.Suneesha(152U1A0567) completed 50 hours training on Application Development Using Kotlin in December 2017 in KONCPT Neet Hall,Chennai.



# Department of Electronics and Communications Engineering

## A Two-day Workshop on "PCB Design"



A Two-day Workshop on "PCB Design" under the joint collaboration with Embedded Wings, Visakhapatnam on 4th and 5th of August 2017. The Resource person, Mr. Govinda Rao, Director-Technical, Embedded Wings, interacted with the students and faculty.

## A Three-day Workshop on "Embedded Systems"

A Three-day Workshop on "Embedded Systems" in association with APSSDC, Dept. of Skill Development, and Entrepreneurship & Innovation Govt. of Andhra Pradesh on Electronics Innovation Zone-Embedded Systems from 15th to 17th September, 2017. A total number of 67 students of III and IV B.Tech ECE participated in the workshop.



## Industrial Visits

An Industrial visit was carried out at NARL Gadanki on 13th October 2017 for III year and IV year students in order to provide them the real time experience.



## Guest Lectures:



A Guest Lecture on "Image Processing for Remote Sensing Applications" was organized on 12th August 2017 with Dr. Surekha Borra, Professor of ECE department, KSIT, Bangalore acting as the Resource person on the specific topic of "Remote Sensing Applications based on Image Processing".

A Guest Lecture on "Career Opportunities for Engineering Aspirants" on 26-10-2017 by the Strategic Marketing, Ace Engineering Academy, Hyderabad.



## Faculty Publications:

Dr. SK.Mahaboob Basha ,Professor, ECE published a paper titled "An Integrated Approach for Microwave Home Security System" in International Journal of advanced engineering & Research (IJAER), vol 12 ,on 01-08-2017.

Mr.U.Sreenivasulu, Associate Prof ,ECE published a paper titled "Downlink Scheduling Algorithm for Wi-Max Protocol to Improve QoS" in International Journal of Advanced Engineering & Research (AJSE, ISSN:2193-567x), vol 12 ,on 01-08-2017.

Mr.Naveen.Kolla Asst. Prof, is designated as "Committee Member" in IEEE Ananthapur, Subsection for student activities for the AY 2017-18 by IEEE Hyderabad.

## Fresher's Day Celebrations



Fresher's Day Celebrations for the year 2017-18 were organized with great enthusiasm and fervor on 17-08-2017. The II B.Tech ECE students accorded a warm welcome to the I B. Tech fresher's amidst much pomp and fan fare.



## Parents' Meeting:



The Parents Meeting was held for the parents and students of II, III, IV ECE branch on 29.10.2017, i.e. Sunday with the objective of appraising the parents of the academic progress of their wards and addressing the issues, if any, concerning the academic administration of the campus.

## STUDENTS ACHIEVEMENTS

- \* Mr.K.Pradhyuman Kumar of IV ECE published an article on 5G :4G Update or New Technology in Electronics for You (EFY), International Magazine in the month September 2017 and received an honorarium of Rs 3000.
- \* Ms. G. Divya Reddy, Ms. Sk. Arshiya Tabassum, Mr. R.V.S.Narayana Kumar, Ms.V.Adbhuta Teja and Mr.Gali Bhanu Teja of III ECE secured Gold Award by Quality Circles Forum of India Tirupati Chapter at Annamacharya Institute of Science & Technology,Tirupati on 28th and 29th August 2017
- \* Mr. R.V.S.Narayana Kumar of III B.Tech,ECE awarded 2nd prize in the event “Best Manager” in the “World Tourism Day Celebrations” organized by Indian Institute of Tourism and Travel Management ,Nellore held on 27th September 2017 in Nellore.
- \* Ms.V.Adbhuta Teja of III B.Tech,ECE awarded 2nd prize in the event “Food Trains” in the “World Tourism Day Celebrations” organized by Indian Institute of Tourism and Travel Management ,Nellore held on 27th September 2017 in Nellore.
- \* Ms.A.Jyothi of III B.Tech,ECE awarded 2nd prize in the event “Turn Coat” in the “World Tourism Day Celebrations” organized by Indian Institute of Tourism and Travel Management ,Nellore held on 27th September 2017 in Nellore.
- \* Ms.V.Adbhuta Teja of III B.Tech,ECE won 2nd place in “Extempore talk” in the World Space Week 2017 Celebrations conducted by SDSC SHAR, ISRO, Sriharikota during 8th to 10th October 2017 held at Geethanjali Institute of Science & Technology, Nellore .

## Student Participation In Paper/Poster/Workshops

- \* Ms.K.Sai Sree Varshini, Ms.Sk.Shabnam of III B.Tech,ECE presented a paper titled “Humanoid Robotics” in a National Level Techno Cultural Fest “Mohana Mantra” organized by Sree Vidyanikethan Educational Institutions, Tirupathi from 25th-27th September 2017.
- \* Ms.K.Pujitha , Ms.P.Thanuja of III B.Tech,ECE presented a paper titled “Memristors” in a National Level Techno Cultural Fest “Mohana Mantra” organized by Sree Vidyanikethan Educational Institutions, Tirupathi from 25th to 27th September 2017.
- \* Ms.V.Prashanthi,A.Jyothi of III B.Tech,ECE presented a paper titled “Electrodynamic Tethers” in a National Level Techno Cultural Fest “Mohana Mantra” organized by Sree Vidyanikethan Educational Institutions, Tirupathi from 25th to 27th September 2017.
- \* Mr.T.Mohan Krishna, Mr.K.Bobby, Mr.Sk.Mohammad,Ms.V.Niharika of III B.Tech ECE participated in World Tourism Day events held on 27th September 2017 organized by Indian Institute of Tourism And Travel Management, Nellore.
- \* Ms.O.Kamakshi, Ms.P.Vaishnavi, Ms.Sk.Shabnam and Ms.Sai Sree Varshini of III B.Tech ECE had participated in the event Debugging at National Level Techno Cultural Fest “Mohana Mantra” organized by Sree Vidyanikethan Educational Institutions, Tirupathi from 25th to 27th September 2017.
- \* Mr.T.Mohan Krishna, Mr.K.Bobby and Mr.Sk.Mohammad of III B.Tech ECE participated in World Space Week 2017 celebrations organized by SDSC SHAR, ISRO, Sriharikota on 4th -10th October 2017 held at Geethanjali Institute of Science & Technology, Nellore.
- \* Ms. V. Adbhutha Teja, Mr. Sk. Mohammad of III B.Tech ECE submitted an idea for Smart India Hackthon 2017 under Ministry of Tourism.



# Department of Electrical and Electronics Engineering

## A Two-Week work shop on “Electric Power Systems”

The department of EEE had organized a Two-Week work shop on “Electric Power Systems” from 10th to 15th July, 2017 through the NMEICT for the benefit of the students and faculty.

### Industrial Visit :

IV-BTech. , EEE Students visited “WEBERS Electric Private Ltd.,” a Transformer manufacturing, testing and exporting unit situated at Venkatachalam, Nellore on 18.10.2017 as a part of Industrial visit to gain practical knowledge and industrial exposure.



III-BTech EEE Students visited “WEBERS Electric Private Ltd.,” a Transformer manufacturing and testing unit situated at Venkatachalam, Nellore on 12.10.2017 as a part of Industrial trip.

### Conferences Attended by Faculty:

Mr. Ravikumar Tummala had presented a paper titled “Reconfiguration of Distribution System and Optimal DG Placement DG to Enhance Voltage Profile and Reduce Losses” in CISCON-2017 conference conducted by the Manipal Institute of Technology at Manipal held on 3rd and 4th November 2017.

### Student activities

1. A Freshers'-Day function was organized by the II B.tech EEE students to the I B.Tech EEE students on 16/08/2017 at the New Seminar Hall, GIST.
2. III B.Tech EEE students celebrated Teachers Day on 5th September 2017 in the Academic Complex.
3. All the II,III and IV B.Tech EEE students attended the IMPACT program organized by the Lions Club ,Nellore from 22 to 24 september-2017.
4. As a part of EEE Association activity, the final year EEE students organized a service program at Geethamayi Oldage Home, Nellore and distributed cloths and fruits and contributed lunch on 2nd October 2017 on the occasion of “Gandhi Jayanthi”.

A Guest Lecture on “Career Opportunities for Engineering Aspirants” on 26-10-2017 by the Strategic Marketing, Ace Engineering Academy, Hyderabad.

### Faculty Publications

1. Prof.T.N.V.L.N Kumar & Mr.K Venkata Ramanareddy had published a paper titled “Anfis Control of Energy Control Center for Distributed Wind and Solar Generators Using Multi Agent System’ in International Research Journal of Engineering and Technology (IRJET) in July -2017.
- 2 Mr. Ravikumar Tummala & Mr.K Venkata Ravindra had published a paper titled “Closed Loop Power Control of Grid Connected DG Units for reducing Active Harmonics Using Current Control Scheme” in International Research Journal of Engineering and Technology (IRJET) in Aug -2017.
- 3 Prof. T.N.V.L.N Kumar & Mr. Ravikumar Tummala had published a paper titled “Aero Dynamic Power Control of Permanent Magnet Synchronous Generator Using Fuzzy Logic Pitch Angle Controller” in International Research Journal of Engineering and Technology (IRJET) in SEP -2017
6. A.Hema Sekhar & Dr.A.Lakshmi Devi had published a paper titled “Optimal Sizing and Placement of Advanced SVC in Transmission System by Using Evolutionary Algorithms” in a I-Manager’s Journal on Electrical Engineering in 2017.
- 7 Prof.T.N.V.L.N Kumar had published a paper titled “A Modified BOFA Approach for Optimal Location and Sizing of Facts for Enhancing Power System Security” in I-Manager (JPSE) in August -2017.
- 8 Prof. T.N.V.L.N Kumar had published a paper titled “Optimal Location and Sizing of UPFC to Enhance P.S Security Using MBFOA” in CITS journal in September-2017.
- 9 Prof. T.N.V.L.N Kumar had published a paper titled “Enhancing P.S Security Through Optimal Location and Sizing of TCSC Through MBFOA” in JARDCS journal in September-2017.
10. Prof.T.N.V.L.N Kumar & Mr.Murali Dasari had published a paper titled “An Advanced Vector Controlled Induction Motor ASD Systems” in IJCRT journal, in October-2017



# Department of Civil Engineering

## Guest Lectures :

A guest lecture was conducted on 17.08.2017 on 'Effect of Ingredients on the Durability of Concrete Structures and Remedial Measures' by Sri.NPN Moorthy, Asst Professor, Bapatla Engineering College.



A Guest Lecture was conducted on 07.09.2017 on the 'Basics of Civil Engineering' by Sri.P.Chandra Sekharaiah, Dy Executive Engineer, Irrigation and CAD Department, Tirupathi.

## Industrial Visit :

The final year B.Tech students have visited Somasila Dam along with the faculty on 13th Oct 2017 and learnt about the structure of the dam, technology and the functioning of the irrigation distribution works.



## Department Activities:



The Department of Civil engineering conducted the Birthday celebration of "Mr. Moshagundam Visweswaraiah" on 15th Sep 2017. The students have recollected the contributions of the great civil engineering constructions envisaged and executed by the eminent engineer, MVisveswaraiah.

## Student Achievements :

The following are some of the accomplishments of the students:

G.Ramanarayana (162U1A0126), G.Chandra (162U1A0128), K.Haritha (162U1A0135), K.Krishnaveni (162U1A0138), SK.Rashida Begum (162U1A0174) have attended the project work in "Quality Circle of Forum of India" at Annamacharya Institute of college and Engineering, Tirupathi on 29/08/2017, got "Silver medal".

## Faculty Publications:

Ms. Rajeswari Isanakula, published a paper in the International Journal of Engineering Research and General Science on "Comparative Analysis of Nominal Concrete with Polymer Modified Concrete" on 1st September 2017.

Ms. Rajeswari Isanakula, published a paper in the International Journal of Engineering Research and General Science on "Comparative Study of Conventional Concrete with Banana Fiber Modified Concrete" on 1st September 2017.

Ms. Rajeswari Isanakula, published a paper in the International Journal of Engineering Research and General Science on "Design of Prestressed Concrete Bridge Cross Over a Cannol at Gandhi Janasangam" on 1st September 2017.

Ms. Vijaya Prathima, published a paper in the International Journal of Engineering Research and General Science on "Comparative Analysis of Nominal Concrete With Polymer Modified Concrete" , on 1st September 2017.

Ms. Vijaya Prathima published a paper in the International Journal of Engineering Research and General Science on "Comparative Study of Conventional Concrete with Banana Fiber Modified Concrete" on 1st September 2017.

Ms. Vijaya Prathima, published a paper in the International Journal of Engineering Research and General Science on "Design of Prestressed Concrete Bridge Cross Over a Cannol At Gandhi Janasangam" on 1st September 2017.

Mr. Shaik Nadhim, published a paper in the International Journal of Engineering Research and General Science on "Comparative Analysis of Nominal Concrete with Polymer Modified Concrete" on 1st September 2017.

Mr. Shaik Nadhim, published a paper in the International Journal of Engineering Research and General Science on "Comparative Study of Conventional Concrete with Banana Fiber Modified Concrete" on 1st September 2017.

Mr. Shaik Nadhim, published a paper in the International Journal of Engineering Research and General Science on "Design of Prestressed Concrete Bridge Cross over a Cannol At Gandhi Janasangam" On 1st September 2017.

## Workshops attended by Faculty

Mr. D. Purushotham and Mr. P.Siva Kumar attended the training program on "British Council of Learning" by Andhra Pradesh Government Education from 21st to 27th June'2017 & 3rd to 8th July 2017.

Ms. I.Rajeswari and Ms. Vijaya Pratima attended the workshop on "Online and Blended Teaching-Learning Process" by IIT-BOMBAY from August'2017 to November'2017.

Mr. C.Prakash attended the workshop on "Design and Construction of Sustainable Pavements" organized by the Centre of Excellence in Transportation Engineering, Tiruchirappalli during 20-24 November'2017.

Ms. Dilkusha attended Second National conference on "Recent Trend in Civil Engineering & Technology (NCRCTET2017)" and presented a paper on "Induction Heating of Mastic Asphalt Using Steel Wool Fibre" on 23rd December'2017.

Mr. Md. Waris, Ms. B. Lakshmi Narayanamma, attended Second National conference on "Recent Trend in Civil Engineering & Technology (NCRCTET2017)" on 23rd December'2017.



# Department of Mechanical Engineering

## A Six-Day workshop on Mechanical Technozone

IV year and III year students organized a 6 days' workshop on Mechanical Technozone Workshop (Catia V5) - 2017. On September (22/09/2017 to 27/09/2017). Andhra Pradesh State Skill Development Corporation (APSSDC)



## Industrial Tours



IV year & III-year Mechanical Engineering students visited "Nelcast Ltd., Industrial Estate", Gudur, SPSR Nellore, A.P. on 12 August 2016

## Student Achievements :

1. N. Bharani Krishna (142U1A0332) and O. Vinod Kumar (142U1A0333) participated in paper presentation on "Fatigue Analysis on Aircraft Wheel Hub" in TECHNOQUEST-2017, organized by NBKR college, on 14th Oct 2017.
2. Moghal Waseem (142U1A0326) participated in paper presentation on "Advanced Technologies in Robotics" in SAMYANTRANA-2017, organized by NEC, NELLORE
3. Mogal Mohiddin (142U1A0325) and Sravan Kumar Reddy B (142U1A0348) participated in paper presentation on "Grippers & Lifting Mechanisms" in TECHNOQUEST-2017, organized by NBKR college, on 14th Oct 2017.
4. V. Karthik (152U1A0354) and Sk. Shafi Ahmmad (152U1A0344) participated in paper presentation on "Hyper Loop" in TECHNOQUEST-2017, organized by NBKR college, on 14th Oct 2017.
5. V. Sai Pavan (152U1A0358) and C. Yashwanth Singh (152U1A0303) and Ch. Shyam Kumar (152U1A0305) participated in paper presentation on "Abrasive Water Jet Machining" in TECHNOQUEST-2017, organized by NBKR College, on 14th Oct 2017.
- 6 M. Guna Sekhar (152U1A0322) and Sk Chanbasha (162U5A0310) participated in paper presentation on "Cutting Force and Tool Wear in Turning Process for Single Point Cutting Tool" in TECHNOQUEST-2017, organized by NBKR College, on 14th Oct 2017.
- 7 K. Balaji (152U1A0314) participated in paper presentation on "Composite Materials" in TECHNOQUEST-2017, organized by NBKR College, on 14th Oct 2017.
8. P. V. Sairam (142U1A0335) and N. Bharani Krishna (142U1A0332) and Shaik Rafi (142U1A0345) and O. Vinod Kumar(142U1A0333) and Moghal Waseem (142U1A0326) participated in paper presentation on "Automatic Speed Controls in Automobiles" in 3rd Annual Chapter Convocation By Quality Circle Forum Of India 28th & 29th Aug 2017

## Project Exhibition

1. Sk. Sameeulla (152U5A0304) and K.Manoj Sai (142U1A0321) and A. Rupesh (162U5A0301) and R. Charan Kumar(152U1A0335) participated in project Exhibition on "Solar Powered Four Wheeled Vehicle" in District Level Tech-Fest Organised by JNTUA On 05/01/2018, SVCE-college Nellore
2. SK. Rafi (142U1A0345) and P. Sairam (142U1A0335) and SK. Abdul bashed (162U5A0309) and G. Akhilkrishna (162U5A0305) participated in project Exhibition on "Go-Kart" in District Level Tech-Fest Organised by JNTUA On 05/01/2018, SVCE-college Nellore



3. R.Nikhil(152U1A0337) and V.Sai Pavan(152U1A0358) and V.Karthik (152U1A0354) and M.Athik Baig(152U1A0323) and A.Siva Prasad (152U1A0301) and G. Ajay Kumar (152U1A0311) participated in project Exhibition on “Fabrication of Hybrid Tri-Wheel Automobile” in District Level Tech-Fest Organized by JNTUA On 05/01/2018, SVCE-college Nellore

4. Ch. Harsha Vardhan Reddy (142U1A0309) and M Pavan Kalyan (142U1A0323) and Md. Shakeer Afridh (142U1A0327) and Puli Mahesh (142U1A0337) and C. Shyam Kumar (152U1A0305) participated in project Exhibition on “Arduino Based CNC Machine” in District Level Tech-Fest Organised by JNTUA On 05/01/2018, SVCE-college Nellore

### FDP/ Workshops Attended by Faculty

Mr. Rahamath Basha Shaik, Asst. Professor, attended an FDP on “Foundation Program in ICT for Education” held from August 3, 2017 to September 7, 2017 conducted by IIT Bombay.

Mr. Rahamath Basha Shaik, Asst. Professor, attended an FDP on “Pedagogy for Online and Blended Teaching-Learning Process” held from September 14, 2017 to October 12, 2017, conducted by IIT Bombay.

Mr. Ch. Mani Kiran, Asst. Professor, attended an FDP on “Foundation Program in ICT for Education” held from August 3, 2017 to September 7, 2017, conducted by IIT Bombay.

Mr. Ch. Mani Kiran, Asst. Professor, attended an FDP on “Pedagogy for Online and Blended Teaching-Learning Process” held from September 14, 2017 to October 12, 2017 conducted by IIT Bombay.

Mr. M.V.Raja, Asst. Professor, attended an FDP on “Foundation Program in ICT for Education” held from August 3, 2017 to September 7, 2017, conducted by IIT Bombay.

Mr. M.V.Raja, Asst. Professor, attended an FDP on “Pedagogy for Online and Blended Teaching-Learning Process” held from September 14, 2017 to October 12, 2017, conducted by IIT Bombay.

Mr. K. Sri Rami Reddy, Asst. Professor, attended an FDP on “Foundation Program in ICT for Education” held from August 3, 2017 to September 7, 2017, conducted by IIT Bombay.

Mr. K. Sri Rami Reddy, Asst. Professor, attended an FDP on “Pedagogy for Online and Blended Teaching-Learning Process” held from September 14, 2017 to October 12, 2017, conducted by IIT Bombay.

Mr. N. Anjaneyulu, Asst. Professor, attended Workshop on “Teacher Training Program by APSICHE, British Council” held from 19/06/2017 to 24/06/2017 & 3/07/2017 to 08/07/2017 conducted by GIST.

Mr. K. R Sreedhar, Asst. Professor, attended Workshop on “Teacher Training Program by APSICHE, British Council” held from 19/06/2017 to 24/06/2017 & 3/07/2017 to 08/07/2017 conducted by GIST.

Ms. V. Kathyayani, Asst. Professor, attended Workshop on “Teacher Training Program by APSICHE, British Council” held from 19/06/2017 to 24/06/2017 & 3/07/2017 to 08/07/2017 conducted by GIST.

Mr. K. R Sreedhar, Asst. Professor, attended Workshop on “3rd Annual Chapter Convocation by Quality Circle Forum of India” held from 19<sup>th</sup> & 29<sup>th</sup> Aug 2017 conducted by AITS Tirupati.

### Wheel Box Test(WEST)

No. of III Mechanical students attended WEST: 52/64

Top two percentile of the students:

- 1) 152u1a0354-Veerisetty Karthik-57
- 2) 152u1a0327-Nallabantu Praharsh-56

#### College to Corporate

S.No.	Name Of The student	Register number	College to Corporate	Institution	Period
1.	M.Bhavan Chandu	142U1A0328	MOOCS C2CSS1xA17: Soft Skills & C2CWC1xA17: Work Place Communication	GIST Organized by IIT Bombay	07 Sep 2017 to 12 Nov 2017
2.	K.Manoj Sai	142U1A0321			
3.	V.Chandu	142U1A0355			
4.	A.Nishanth	142U1A0303			
5.	N.Chandrahass	142U1A0331			
6.	G.Prathap	142U1A0313			
7.	A.Surya Bhargav	142U1A0302			

### Faculty Achievements and Awards

Academic Year 2017-18

S.No.	Name Of The Faculty	Name Of The Award	Title of the project	Workshop	Host Institution	Period
1.	K. R Sreedhar	Best Facilitator	Conversion of vibrations into electricity by piezo electric materials	3 <sup>rd</sup> Annual Chapter Convocation Organized by Quality Circle Forum Of India	AITS Tirupati	28 <sup>th</sup> & 29 <sup>th</sup> Aug 2017
2.	K. R Sreedhar	Best Facilitator	Automatic acceleration control system in automobiles	Tirupati chapter		



# NSS programmes

## Awareness programme on 'Today's Industrial World',

Geethanjali Institute of Science and Technology conducted an awareness programme on 'Today's Industrial World', demonstrating different software companies like Microsoft, Google etc. The chief guest N. Sreedhar Reddy, Coordinator, M.S.M.E and Mr. Venkata Suresh, Coordinator, District Industries Department, Nellore participated in the event.



## The 71<sup>st</sup> Independence Day



The 71st Independence Day was grandly celebrated at the Geethanjali Institute of Science and Technology with Prof. G. Subba Rao, Principal of the College, highlighting the key features for developing our country with innovative ideas, which include digital India, swatch India, smart India etc. Mr. N. Sudhakar Reddy, the Secretary & Correspondent explained the role of youth in India. A spectacular March Past was organised, saluting the National Flag.

## Celebrating the birth anniversary of Dr. Sarvepalli Radhakrishnan

The NSS Unit of Geethanjali Institute of Science and Technology took lead in reverently celebrating the birth anniversary of Dr. Sarvepalli Radhakrishnan. The Principal, Management, Staff and Students participated in this event and paid rich tributes to the great scholar-philosopher-teacher of India and recalled his glorious contribution to the cause of education and learning.



## World Space Week 2017



Geethanjali Institute of Science and Technology has been conferred with the distinguished honour of hosting grand finale of SHAR sponsored 'World Space Week 2017". Mr. M. B. Narayana Murthy, Associative Director of SHAR participated in this event as the Chief Guest and enlightened the students of the plentiful opportunities available at SHAR

for the deserving students. Prof. G. Subba Rao, Principal, Mr. N. Sudhakar Reddy, Secretary & Correspondent, members of faculty National Flag.

## The Equality of Men and Women

Geethanjali institute of Science and Technology conducted a unique event on gender equality, "The Equality of Men and Women". The Management, students, CSE HOD Dr. Jahnvi and S & S HOD Mrs. K. Vijaya supported the event and explained about the rights, responsibilities and ethics for every man and woman.



## Geethanjali Telugu Sabha



Geethanjali Institute of Science and Technology celebrated "Geethanjali Telugu Sabha" on behalf of NSS unit. The chief guest Mrs. Pathuri Annapurna, Professor at Comprehensive College of Education, Nellore extolled the greatness of Telugu. Several cultural programmes also were organised during the time entralling the audience. March Past was organised, saluting the National Flag.



## Department of Physical Education

- \* S.AJAY (152U1A04B8), T.SREEDHAR REDDY (142U1A0350), B.SASIDHAR (152U1A0111) participated in CRICKET(MEN) Organized at SREE COLLEGE NANDYALA , KURNOOL on 22nd and 23rd September 2017.
- \* K.MANOJ KUMAR (152UA0146) participated in CHESS(MEN), Organized at MOTHER TERISA INSTITUTE OF ENG.AND TECH, PALAMANERU,CHITTOR on 3rd October 2017.
- \* K.KISHORE (152U1A0141) participated in HAND BALL (MEN) Organized at JNTUA, PULIVENDULA, KADAPA on 9th October 2017.
- \* SK.Hyder Ali (142U1A0229), B.Jayavardhan (172U1A0410), V.Sivasankar (172U1A0186) participated in VOLLEY BALL(MEN) Organized at MERITS college, Udayagiri on 10th October 2017.
- \* G.AVINASH (172U1A0203), K.PRAVEEN (162U1A0475), P.VISHNU (162U1A0415), V.HEMANTH (152U1A0353) participated in KABBADI Organized at ALTS ,ANANTAPURAM on 21st October 2017.
- \* P. VISHNU(162U1A0415) selected for South - Zone KABBADI Organized at SATHYABAMA UNIVERSITY, CHENNAI.
- \* K.MANOJ KUMAR (152UA0146) selected for South zone CHESS organized at ANNA UNIVERSITY, CHENNAI.

### CHESS:



### KABADDI:





## Department of H & S

### GUEST LECTURE ON MATHEMATICS



With a view to enlighten the students of first year, the department of Science & Humanities, has come forward with various programs during the semester years. As a part of such an initiative, a guest lecture was organised to first years students, thereby enriching their knowledge. The guest lecture was organised on 28-10-2017 from 10a.m. to 1p.m. at the college premises.

Guest faculty invited to offer their valuable lecture was Dr. K. RAMAKRISHNA PRASAD, Professor in Mathematics, Emeritus fellow (UGC), who came forward with his lecture on APPLICATION OF ENGINEERING MATHEMATICS with great enthusiasm & interest to students of I & II year.

Dr. K. RAMAKRISHNA PRASAD enabled Students of I & II year civil branch feel comfortable on some of the bitter areas of matrices & numerical solutions of ordinary & partial differential equations, numerical differentiation, numerical integration, ordinary differential equations of first & second order, maxima & minima, multiple integrals & vector calculus.

### FACULTY ACHIEVEMENTS

1. Dr. Ch. Kalyani, Associate professor in S&H, published a paper on "Three Dimensional Flow of a Casson Fluid over a Stretching Surface with Convective Boundary Conditions" in Innovative Research in Science, Engineering and Technology, International Journal, Vol. 6, issue 13, pp. 135-141, July-2017.
2. Dr. P. Haritha, Assistant professor in S&H, published a paper on "Structure, morphology and optical characterization of Dy<sup>3+</sup>-doped BaYF<sub>5</sub> nanocrystals for warm white light emitting devices" in Optical Materials, International Journal, Vol. 70. pp. 16-24, August 2017.
3. Mr. M. Ganapathi, Associate Professor, Dept. of S & H, attended a conference on and Presented a paper on "Stochastic non-Newtonian Lubrication with thermal effect" in National conference on "Recent advances in Mathematics" held on August 2017 at Kakatiya University, Warangal, Telangana.
4. K. Narayana, Assistant Professor, Dept. Of S & H, attended a conference on Recent Advances in Mathematics and Its Applications held on 29th August, 2017, at S. V. University, Tirupathi.
5. Mrs K. Vijaya, Associate Professor, Mrs M. Gayatri, Associate Professor, Mrs T. Sujatha, Associate Professor, attended a conference on "Essence of Mathematics and Engineering applications", held on 17, 18 November 2017 at KL University Vijayawada, Andhra Pradesh, India
6. Dr. P. Chakrapani participated in a one day National Workshop on "Warehouse Watch-Safety Operations. Every time!" Organized by CII institute of Logistics in association with Godrej On 24th October 2017, Nellore.
7. N. Vasanthi, M. Apuroop Joseph participated in a One day National Workshop on "English Accent Training: Trainer Training Programme", organized by the Dept. Of English on 25th November 2017, held at KBN College, Vijayawada.
8. Mr. K. Narayana, Assistant professor in S&H, published a paper on "The Comparison of Bondage Number and Domination Number with Minimum and Maximum Degrees of an Interval Graph G Using an Algorithm" in Research in Applied Science, International Journal, Vol. 5. Issue XI. pp. 814-824, Nov-17
9. Dr. P. Chakrapani, Associate professor in S&H, published a paper on "CUSTOMER'S ATTITUDE TOWARDS RETAIL OUTLET - A STUDY IN NELLORE CITY, ANDHRA PRADESH" in ASIAN JOURNAL OF MULTIDIMENSIONAL RESEARCH, International Journal, Vol. 6. Issue 12. PP: 42-49, Dec. 2017



## LLR MELA

The Officers of Andhra Pradesh State Road Transport Corporation conducted the LLR exam for students at Geethanjali Institute of Science and Technology. Deputy Commissioner Mr. Sivaramaprasad, Inspectors Mr. BalaMurali and Mr. Poorna Chandra Rao, Road Transport Officers Mr. Vijay Kumar and Mr. Lakshmi Narayana conducted the exam successfully and certificates were awarded to the top qualified candidates.



## Mathematician Mr. Srinivasa Ramanujan Birth Celebrations

Geethanjali Institute of Science and Technology paid glorious tributes to the great mathematician Mr. Srinivasa Ramanujan on his birth anniversary. The programme was organised by the NSS Unit of the College with the Principal, Management, Staff and Students participating in this event. The rich Indian heritage in the fields of Mathematics, Astronomy, Astrology were recalled.



Glimpses of

# GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapur)

An ISO 9001: 2015 certified Institution – Unit of USHODAYA EDUCATIONAL SOCIETY

3rd Mile, Bombay Highway, Gangavaram (V), Kovur(M), SPSR Nellore (Dt), Andhra Pradesh, India- 524137

Ph. No. 08622-212779, 212781, Fax: 08622-212778,

E-Mail: [principal@gist.edu.in](mailto:principal@gist.edu.in) / [geethanjali@gist.edu.in](mailto:geethanjali@gist.edu.in), Website: [gist.edu.in](http://gist.edu.in)