

# AURORA BULLETIN

AURORA'S TECHNOLOGICAL AND RESEARCH INSTITUTE

(Approved by AICTE and Affiliated to JNTUH) (Accredited by NAAC with 'A' Grade)



Jan, Feb, March 2019

Volume 5, Issue 1

## Vision

ATRI seeks to be a center of higher learning that can provide the best learning experience, the most productive learning community, and the most creative learning environment in engineering education and to be recognized as one of the best engineering colleges in India.

## Mission

To provide excellent education in Engineering and Technology.

To create environment for quality research and dissemination of knowledge.

To develop entrepreneurship and managerial abilities through world-class engineering and management education.

## Director's Message

The New Year has ushered in lots of hopes and expectations along with the determination to achieve new goals and the will to excel in all endeavours. As always, the ATRI campus has been abuzz with a plethora of activities, and the beginning of this year was no exception. The NSS Special Camp was the highlight of the first quarter in which our students participated with the objective of educating and sensitizing villagers towards cleanliness, health and environmental issues, along with a computer literacy drive. A 5K marathon organized by ISKCON on World Cancer Day, Republic Day Celebrations at the Govt. School and participation at the University Level Youth Festival were other significant NSS activities. The Street Cause volunteers of ATRI took up a Blanket Donation Drive and organized a medical camp, spreading smiles and cheering hearts. A workshop on Cardio Pulmonary Resuscitation (CPR) impelled the audience to shed apathy and ignorance and rise to the occasion in situations of emergency. All these initiatives instilled in us the notion that if each of us does his or her bit, we can nurture a universe that can sustain future generations.

Guest lectures and workshops conducted by the various departments brought in fresh insights and widened horizons as experts from the industry and academia shared their knowledge and experience with our students.

There's a lot to look forward to in the next month--before we draw the curtains on this academic year, we have the much awaited Tech fest **Borealis 2k 19**, Project Expo, **Samudryama**, and our Annual Day, **Avyaya**. I am certain that all ATRIans will continue participating with the same zest and explore the possibilities within them and cash in on opportunities that come their way.

Wishing you all the very best in all future endeavours.

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## Editorial Board

- Mr. Srikanth Jatla, CSE
- Dr. P. Bharathi, English
- Dr. Poonam Minocha, English
- Ms. G. Varalakshmi, CSE
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## COLLEGE EVENTS

### Workshop On CPR

A one day workshop on first-aid and CPR was conducted in our college On 05/01/2019. The KREEDA club coordinator and Physical Director, Ms. Shaheen Begum organised the event. Dr. K. Rajasekhar was the resource person. He provided an engaging and informative overview on CPR (Cardiopulmonary Resuscitation), along with a hands-on session conducted using training mannequins.

When tragedy strikes, even in broad daylight, many simply stand and stare at the victim, apathetic perhaps, but mostly just ignorant of first aid procedures, and therefore hesitant to interfere in aid of the victim. Even the ones willing to help may not be effective due to a lack of knowledge in first-aid. In a country such as ours, having a rich legacy of medical science, it is frankly a travesty that we are so ill-equipped in knowledge and resources regarding procedures such as CPR or even stroke identification. At some point, the responsibility of action falls onto the citizen, who must act regardless of the government. A prime example of such initiative is Gandhi Medical College, whose alumni have gathered to donate multiple AED (Automated External Defibrillator) devices to over 175 ambulances across the city. AED devices are easy-to-use, automated, and portable defibrillators that can be used to provide precise electrical shocks to specific regions of the body in order to return the heart to regular rhythm.

Dr. K. Rajasekhar, a retired cardio specialist who has worked for many years in USA, is an alumni of Gandhi Medical College who conducts many free workshops in various institutions and organisations, and his service extends even to villages.

The workshop was attended by many students, who were mostly curious as to what CPR was. The responses and feedback from the students post-workshop portrayed it as a very productive session where a lot of knowledge was imbibed, both in theory and practice.

To begin with, Dr. K. Rajasekhar dispelled any lurking notions about possible ulterior motives behind the workshop. That it is purely for social service and nothing else, was made clear from the very start. He went on to describe the lack of first-aid knowledge, due to which many deaths, which could have been prevented are sadly not. CPR is a critical and time sensitive process that is performed when the victim is not breathing, and not responsive. CPR provides artificial respiration to victims, using chest compressions.

The CPR process is decided by the American Heart Association, whose members are spread across the globe. They revise the guidelines every 5 years based on any new developments or research. The process can be simply presented in the form of an acronym: CAB, Compressions, Airways, Breathing First, the lay rescuer has to ensure his/her own safety before attempting to aid the victim. This is called "scene safety", where the surroundings are assessed for safety, after which the rescuer can approach the victim.



Next, tasks such as controlling the traffic or calling the ambulance can be delegated to other people on the scene, as time is of the utmost essence. The victim must be checked for responsiveness, by tapping on their shoulders and asking questions. The pulse of the victim can be checked on the neck, but this step can be skipped to conserve precious time. Do not spend more than 5-10 seconds on this. After this, compressions must be performed.

Compressions are to be applied continuously on the victim's chest (lower part of the sternum), with a consistent rate of about 100-120 compressions per minute, i.e, 30 compressions in 15-18 seconds. The compression must depress the chest 2-2.4 inch deep. The chest should be allowed to recoil, before the next compression is applied. These numbers are decided by research occurring all across the world, meaning that they should be followed to the maximum extent without any deviation. This results in a high quality CPR.

The process must take place continuously until help has arrived. Taking into consideration the stamina of the rescuer, it is optimal to have as many people trained in CPR as possible, so that they can takeover for the rescuer and keep the process going. Compressions take care of the mechanical aspect, whereas AEDs take care of the electrical aspect. AEDs are programmed to provide easy to follow voice commands which guide the user to provide appropriate help to the victim.

Dr.Rajsekhar also provided an overview on "Preventable Medical Killers", namely cigarettes, alcohol, and other drugs. He described the utter destructive nature of these substances, legal or illicit being mere labels. That cigarettes are the only legal substance which cause harm to the body when used exactly as per directions, is an example of the memorable take aways provided during the session. Drugs such as alcohol, ganja, and other substances were talked about, and the dangers associated with them. To conclude, Dr.Rajsekhar has provided the students with a succinct knowledge of CPR, bolstered by a brief yet thorough practical session, which has empowered all those present into capable lay rescuers. The college and the students heartily thank Dr.Rajsekhar for the workshop and for his admirable sense of social service.



## UPCOMING EVENTS

Date	Event
3-4 April 2019	Borealis, 2k19
3 April 2019	Samudyama, Project Expo
18 April 2019	Avyaya, 2k19
20 April 2019	Vigama, Farewell
26 April 2019	NSS Farewell

## Republic Day Celebrations

ATRI celebrated the 70th Republic day with great enthusiasm. The Director Prof Srikanth Jatla unfurled the national flag in the presence of faculty, staff and students. The NSS cadets and the members of sports club participated in the ceremonial March Past. Mr. Srikanth Jatla spoke on the fundamental rights and obligations of all citizens of India to help promote a spirit of patriotism and to uphold the unity of India. He said that it should be the concern of every individual especially the teaching fraternity to guide young students towards the responsibilities to the nation and in character building so that we live in peace and harmony in the midst of the global changes.





## Condolences and Tributes to Indian Soldiers

On 14 February 2019, a convoy of vehicles carrying security personnel on the Jammu Srinagar National Highway was attacked by a vehicle-borne suicide bomber at Lethpora (near Awantipora) in the Pulwama district, Jammu and Kashmir, India. The attack resulted in the deaths of 40 Central Reserve Police Force (CRPF) personnel and the attacker. The responsibility for the attack was claimed by the Pakistan-based Islamist militant group Jaish-e-Mohammed. Condemnation and sympathy poured in from all quarters. ATRI expressed its solidarity as the students and faculty members paid tributes to the soldiers who lost their lives, by lighting candles.



## Women's Day Celebrations

An awareness programme on 'Grooming and Hygiene of Women' was organized on 8th March at Seminar Hall Main Block, in association with Proctor and Gamble (P&G). The dignitaries present on the dais, honourable Chief Guest, Ms. Yasmeen Alam, Field officer Promotions P&G and WEC Co-ordinator G. Vara Lakshmi participated in lighting of the lamp. Then Ms. Sindhu ECE- III, rendered a welcome song. Ms. Kadambari, WEC Coordinator and the host of the session, addressed the gathering and explained the importance of the session. This was followed by a demo of the products of P&G as the team members explained the benefits of each product. Ms. Yasmeen created awareness on grooming and hygiene which inspired lot of young minds. Ms. G. Vara Lakshmi, WEC coordinator, presented the Vote of Thanks.



## Department Activities

### Department of Electronics and Communication Engineering

#### Guest lecture on Sensors and Application

The dept of ECE conducted a guest lecture on Sensors And Applications on 7th January 2019 from 2:00pm to 4:00pm for third year Students. The guest lecture began with a welcome address by Mr. M. Shravan Kumar Reddy, Head of the Department, ECE. He introduced and welcomed Mr. Akshay P Kumar, the resource person. Mr. Akshay P Kumar gave a brief introduction about Sensors and its Applications. The resource person started with the block diagram of the embedded systems wherein the sensors play an important role. Sensors are basically classified into two types they are 1) Digital Sensors and 2) Analog Sensors. The different types of sensors were explained in detail. The Ultrasonic sensors, Gas sensors, IR sensor, Accelerometer, Fingerprint sensor, optical sensor, capacitive sensor etc... were discussed during the lecture. The working principle of each and every sensor was elaborated. Finally various applications of the sensors were explained, like home appliances, military, banking and medical instruments. The session concluded with vote of thanks given by Mr. MdNizamuddin Salman, ECE Dept..

#### Guest Lecture on “Overseas Education Career Guidance”

The dept of ECE organised a guest Lecture on “Overseas Education Career Guidance” on 7th January 2019 from 10:00am to 12:00pm for third year students. It was conducted to create awareness among the students about Foreign Education Prospects. The guest lecture began with a welcome address by Mr. M. Shravan Kumar Reddy, Head of the Department, ECE. He introduced and welcomed Mr. Joseph, the resource person to deliver the lecture. Mr. Joseph gave a brief introduction about Foreign Education System. He explained about the education system of various countries especially Australia and Canada. The resource person then discussed the basic requirements for selecting the foreign universities. Later the resource person focused mainly on the step by step procedure from selecting an appropriate university to obtaining a visa. He gave examples of students who got admission in foreign universities. Mr. Md Nizamuddin Salman, Sr. Assistant Professor, ECE Dept., gave vote of thanks and this concluded the session.



#### Industrial Visit

The dept of ECE has conducted an Industrial visit to “Hyderabad Metro Rail, Uppal” on 11th January 2019 from 10:00am to 1:00pm. 91

Third Year Students and Faculty Coordinators Mrs. K. Sirisha,

Mrs. Sravanthi, Mr. Md Nizamuddin Salman participated in the visit. It started from the college at 9:30am as all the students boarded the college bus. They were received by Mr. Kishore, who was the guide for the entire visit. All the students were divided into two groups for better understanding. The visit started with Simulator Section. In the simulator the TO (train operators) will be trained on a simulator before actually making them operate the metro train. Each and every module of the TO cabin was very well explained to the students. A batch of 5 students each entered the TO cabin. Then the students were taken to Controlling Section, the complete networking of the train routes were being controlled from this section. Then the last part of the visit was the Depot. In the depot unit, all the maintenance, servicing and repair of the metro trains are undertaken. In each and every section a technical expert gave explanation about that particular section. Thus the students were able to understand all the electrical and mechanical functioning of a metro train which was very informative.

## Guest Lecture on Networking

The dept of ECE In association with IETE organised a Guest Lecture on Networking on 5th February 2019 for third Year Students from 10:00am to 1:00pm. The Guest lecture began with a welcome address by Mr. M. Shravan Kumar Reddy, Head of the Department, ECE. He introduced and welcomed the resource person, Mr. S. Hupesh Naga Ketan. Mr. S. Hupesh Naga Ketan, gave a brief introduction to the basics of Networking. The three important topics discussed during the session were Network, Security (firewalls) and Server. The resource person elaborated each and every aspect of the above topics. Then the DNS (Domain Name Server) and DHCP (Dynamic host configuration program) were dealt in detail. The next most important topic related to types of IP (Internet Protocols) i.e., static IP and dynamic IP. He also discussed about the various important protocols which are very frequently used in the real time implementation like Routing protocols, Pop protocols, TCP/IP etc. Lastly a vote of thanks was given by Mr. Md Nizamuddin Salman, ECE Dept., which concluded the session.



## Workshop on “Python Programming using Raspberry Pi and its Applications”

The dept of ECE organised a 'Two Day State Level Workshop on “Python Programming using Raspberry Pi and its Applications’ on 7th & 8th February 2019 from 9:30am to 4:30pm in association with IETE and Embedded RF Technologies. Mr. S. Bhavani Shankar, Director, Embedded RF Technologies, Mr. K. Rama Krishna, Embedded Firmware Designer, Embedded RF Technologies were the resource persons. 85 students from 2nd and 3rd year participated in this workshop. It started with an inaugural function which was presided over by Mr. M. Shravan Kumar Reddy, HoD ECE, Convener of the workshop, and then the technical sessions started. There were a total of four sessions, and they comprised of hands on experience. On the first day, basics about Raspberry Pi was discussed. The basic features of the Raspberry Pi were very well explained. On the second day, the interfacing of the various modules with the Pi was done in a practical manner. A batch of two students was formed to program the Pi. Each batch was provided with a Raspberry Pi-3 module and Interfacing components, which was programmed by students using Python Programming. Basic commands related to Python programming were discussed in the beginning and later few of the simple programs were explained. Two applications were developed, the first was Home Automation and the second was Intelligent Irrigation System to Agricultural Land. These two projects were done by all the students under the guidance of the resource persons. At the end of the two-day workshop, the students were able to gain basic knowledge about python programming and also build a simple project. Mr. Salman, Assistant Professor, ECE Department rendered vote of thanks.





## Department of Mechanical Engineering

### Industrial Visit

An Industrial visit to the Outreach Facility (ORF) of the National Remote Sensing Centre (NRSC), Indian Space Research Organization (ISRO) was organized by the Department of Mechanical Engineering on 05-02-2019 for the I, II and III Year students. The facility opened in 2017 and caters to the ever growing requirements of capacity building in space based applications and focuses on Training and Capacity Building, Information Kiosks, Content Generation, Outsourcing and Mass Communication, which could be conducted in parallel. The trip was coordinated by Mr A. Swamy, Assistant Professor, ME. An

Industrial visit to National Remote Sensing Centre, Shadnagar was organized by the Department of Mechanical Engineering on 22-02-2019. The trip was organized to enable students to attend the exhibition arranged by NRSC leading up to the National Science Day. An Industrial visit to Sri Krishna Fabrication works in Jeedimetla was organized by the Department of Mechanical Engineering on 23-02-2019. The visit was organized for the III and IV Year students. The trip focused on familiarizing the students with fabrication techniques that are relevant in today's industry.

## Department of Computer Science and Engineering and Information Technology

### Workshop on Android App Development

A workshop on 'Android App Development' was organised by the CSE&IT department in association with CSI. Ms. K.Kavitha, HoD, IT was the coordinator. The main objective was to make every participant learn mobile app development and create android apps. The participants were introduced to three softwares necessary for app development, different strategies of development, application development life cycle, steps to publish app on play store, creating attractive designs and much more. Students came to know about various challenges involved in network and software setup. The workshop was conducted in 6 sessions for 3 consecutive days. The topics of the sessions were 1. Introduction to Android, App development life cycle and basics, 2. Introduction to Android Studio IDE and Creating basic App, 3. Working with Constraint Layout, other Widgets and Activity, 4. Writing java code and understanding Intents, 5. Creating Splash Screen and Attendance Tracker App and 6. Using Stackoverflow.com to improvise and work smart, Steps to Publish App in Play Store. The participants were given instructions and homework for next day on WhatsApp groups. The excitement and interest levels of the participants were high as they were motivated throughout the workshop, all participants were trained to make two fully working apps which they installed on their phones. Finally, feedback was taken, with an aim to improve such future initiatives.





## NSS Activities

### Republic Day Celebrations at Govt School, MPUP, Parvathapur

On the occasion of the 70th Republic Day, all the volunteers under the guidance of NSS Program officer D.Venugopal Reddy conducted NSS programme in the Govt School adopted by ATRI. Games competitions in Kabaddi, kho-kho, frog jump, running race, musical chair, lemon-spoon etc were conducted in the school 2 days before the Republic Day. Competitions were also conducted in essay writing, drawing and elocution. All the volunteers actively participated in the event. The Grama panchayat president of Parvathapur, teachers, NSS volunteers and students hoisted the flag. Prizes for the winners and runners in the games were given away. Sweets were distributed to the students. The students of this school also participated in a dance programme. The president delivered his valuable speech and orientation was given to the students by NSS volunteers.



### University Level Youth Festival

ATRI NSS volunteers participated in the University Level Youth Festival organised by NSS Unit of JNTUH, Kukatpally on 02-02-2019 in the JNTU campus. The volunteers from different colleges have participated in the fest and the competitions held were Elocution Debate, Essay writing, Quiz, Poems, Poster presentation, Rangoli, Solo Instrument, Classical Dance, Solo singing, Group dance & Photo Exhibition. The event started in the morning and the participants had actively participated in the fest and the ATRI NSS unit won first prize in Solo Instrumental and third prize in Photo Exhibition. The event ended with the prize distribution for the winners by the NSS Coordinator, JNTUH Dr. G. Narsimha and the event was grant success with the active participation of the volunteers.



*All our dreams can come true  
if we have the courage to pursue them*

## NSS Special Camp

NSS unit of Aurora's Technological and Research Institute conducted a special camp at Rangapur Village from 22-02-2019 to 28-02-2019 at Manchal mandal, Rangareddy District under the able supervision of Mr. Venugopal Reddy, Programme Officer.

NSS works on the premise that it is possible to awaken the villagers and slum dwellers to their responsibilities and develop in them the confidence to tackle their common problems with energy, enthusiasm and in a co-operative spirit, based on mutual aid and self-reliance.

Special Camping forms an integral part of National Service Scheme. It has special appeal to the youth as it provides unique opportunities to the students for group living, collective experience sharing and constant interaction with community.

The objective of this camp was to begin interface with community, rapport building with community members and developing understanding of the village keeping in view the rationale of village adoption i.e. develop long term institutional relation with the community and contribution to the upliftment of people therein as well as create awareness among students regarding their responsibilities towards the society.



**DAY 1:**  
The Camp started with an inaugural function in the presence of the chief guests Mr. Krishnaiah, school head master and village sarpanch Ms. Mamatha, Vice-Sarpanch Janga Reddy, SMC Chairman Ramesh and NSS progame officer D.Venu Gopal Reddy.

All the chief guests welcomed the volunteers with their inspirational speeches and surprisingly every speaker on the dais was an NSS volunteer in their college days which boosted the spirit of the volunteers. The Programme officer welcomed all the chief guests and introduced NSS to the school students in ZPHS where we were staying for the seven days. This was followed by the Base Survey, all the volunteers were divided into six teams. They conducted a village survey to find out the problems in the village and bring those problems to the notice of the Sarpanch.

**DAY 2:**

The second day started with yoga and exercise followed by Swachh Bharath programme. . All the teams divided the work accordingly and cleaned the premises of a school ,village streets and a temple and created awareness among the village people about the purpose of introducing the Swachh Bharath mission and its aims. In reaction to this appeal, the people in the village also participated in the Swachh Bharath mission along with the volunteers and helped the volunteers clean the village. Because “If we do not protect nature, nature will not protect us”.

**DAY 3:**

The schedule for the third day was “Plantation”. As usual the volunteers completed their daily routine and started for the field work i.e planting the saplings. All the volunteers went to each home in the village and created awareness about plantation and planted at least one sapling in each house. Likewise the volunteers planted 200 saplings in the village and motivated the village people to plant trees and explained the importance of trees in human life. As a saying goes “He who plants a tree plants a hope”.

**DAY 4:**

This was the most memorable day in the camp. Our college Director Srikanth Jatla visited our camp and appreciated our work. The agenda for this day was Sramadhaan. On this day all the volunteers cleaned the drainage in the village as it was the major problem.. Surprisingly the village people have also helped the volunteers in clearing the blockage in the drains. The volunteers explained the reason for blockages in drains and gave solutions on how to avoid such problems. In the evening every team came up with a skit and the theme was about their experience in the field work and what learnt from that. Every team gave its best performance in the skit and displayed their talents.

**DAY 5:**

On the fifth day of the camp all the teams were divided into two groups, i.e girls and boys. All the girls were assigned the task of creating computer awareness and boys attended the field work close to the village for swachh Bharath. Now a days our technology is rapidly increasing day by day and the basic knowledge everyone should have especially ,students is how to operate computer and the basic knowledge about the computer. So, our volunteers explained to the students about the parts of a computer and basic knowledge of operating the computer and its usage. In the evening the volunteers performed the skits and dance performances in front of the villagers spreading the message “Save the girl child”. The chairman of the village appreciated our volunteers for giving such a wonderful message.



**DAY 6:**  
The Sixth day started with the routine work and was then followed by "Medical camp". Volunteers campaigned in the village about the medical camp. On the same day NSS coordinator JNTUH Dr. G. Narsimha sir visited our camp and also participated in the medical camp. He appreciated our volunteers for their effort, sincere work and service. All the villagers visited the medical camp and consulted doctors and shared their problems. In the evening the volunteers performed skits in front of the villagers and the theme was "Need of Education". The villagers were motivated and at the same time got entertained. This was our last night together and we let out our emotions by sharing our views about our journey of all these six days and thanked our programme officer for giving us the opportunity to serve.

**DAY 7:**  
We never knew that time flies so fast and here comes the seventh day and the last day of our camp. The Valedictory ceremony was organized and our chief guests were Sarpanch Mamatha and Programme officer D. Venu Gopal Reddy. On behalf of ATRI NSS unit we distributed 46 geometry boxes to the tenth class students in the presence of Head Master Mr. Krishnaiah and School Chairman Mr. Ramesh. Shawls were presented to all the dignitaries on the dais as felicitation. According to the saying "It always seems impossible until it's done", At the end of the day the volunteers got motivated by themselves and at the same time they also motivated the villagers. ATRI NSS volunteers were thankful for getting such a wonderful opportunity for attending the camp.

## ISKCON Run

ATRI NSS volunteers participated in the 5k marathon at Necklace road on World Cancer Day organised by the International society for Krishna consciousness (ISKON) Kukatpally. The event started at 7am in the morning and volunteers from different colleges participated in the event. Members of Aurora management also participated in this event. The event started with the lighting of the lamp and the organisers gave speeches to the volunteers and created awareness among the volunteers regarding Tobacco related diseases in India and explained how to eradicate the problems faced by the victims of cancer and how to support them. There after we started with the 5k run and each and every volunteer participated in the run very enthusiastically and completed the run successfully. The volunteers were provided with breakfast and water bottles. After breakfast the organisers presented the participation certificates and shields to the NSS units and completed the event successfully.



## Street Cause

### Blanket Donation Drive

Date of event: 5 Jan 2019

Event venue: Niloufer Hospital and Lower Tankbund.

Task taken up by: Nitish Diwanji, Josh Ankith, Manikanta Reddy, Meghana Dhatrika, Sadashiv Tej, Alokha, Siddhartha

Task details: To help the poor and homeless fight the severe winter and low temperatures, we collected old blankets from our friends and neighbours and distributed them to the homeless across the city streets.

*{ Social service doesn't need riches. Start with whatever you have. }  
Go above and beyond. Rise from within. }*

### Spreading Smiles

Date of event : 24, Feb 2019

Event venue : ZPHS, Rayaraopet, Bibinagar, Ghatkesar.

Task taken up by : Nitish Diwanji, Tribhuvan.

Task details : The members of STREET CAUSE ATRI in association with Sunshine Hospitals, Secunderabad. We took up the responsibility of providing free health checkup across Rayaraopet village by arranging a medical camp from 9.30 am - 3.00 pm. People of Rayaraopet were overwhelmed by the hospitality and approach of the doctors of Sunshine Hospitals. A whopping number of 150 people were effectively treated at our medical camp.

### Support the School

Taken up by : Nitish Diwanji, Sada Siva Tej, Manikanta Reddy, Meghna Dhatrika, Joshuva Ankith, Alokha, Siddhartha

Place of the event : Government School, Yadamma Nagar, Alwal

Task Details : Street Cause ATRI adopted a remote school in Alwal and promised to facilitate the ambience of the school so that students can concentrate on their studies due to lack of funds the school neglected the maintenance required for an educational institute. Street Cause decided to donate benches, water filters, black board and stationery items like colour pencils and pencil boxes. In addition to this volunteers also interacted with the students of the school and conducted game like kabbadi and Kho-Kho to entertain the students. Now the students are happy to sit on comfortable benches and enjoy hygienic drinking water facility.



## Faculty Achievements

**Dr. Poonam Minocha**, Professor of English, presented a paper titled, 'Is Literature Dying in English Classrooms in Technological Universities' in a National Level Conference on 'Literary Perspectives in the arena of Modern Education' at Badruka College of Commerce and Arts on January 19, 2019. She was awarded the first prize for the best presentation at this conference.

**Dr. Poonam Minocha**, Professor of English, published a paper titled, 'Is Literature Dying in English Classrooms in Technological Universities' in the International Journal of Research, Volume VIII, Issue II, February 2019.

**L. Eswaramma**, Associate Professor of Mathematics, H&AS department attended the UGC sponsored two day national seminar on "Recent Trends on Mathematical Sciences and its Applications (RTMSA-2019)" on 24th and 25th January, 2019, conducted by Department of Mathematics, Acharya Nagarjuna University, Guntur, Andhra Pradesh.

**Dr. P. Bharathi**, Professor of English, H&AS department presented a paper titled "Using Web 2.0 Tool (EDMODO) to Promote Critical Thinking Skills in Students through Digital Story Telling" at the two day International Conference "Quality Teacher Education Vis-a-Vis School Education" at Osmania University held on 24-25 January 2019.

**Dr. P. Bharathi**, Professor of English, H&AS department published a paper titled "Using Web 2.0 Tool (EDMODO) to Promote Critical Thinking Skills in Students through Digital Story Telling" in the two day International Conference "Quality Teacher Education Vis-a-Vis School Education" Proceedings, Volume III, ISBN No 978-93-87896-07-9.

**K. Sonu Kumar** attended and presented a paper titled 'Vibrational Analysis of a Human Femur bone' at the 2nd International Conference on Innovations in Mechanical Engineering (ICIME-2019) at GNIT Hyderabad from January 4-5. The paper was also authored by Mir Akber Mohsin Ali, V Rajashekhar and Pranav R.

**Dr. R. Anand**, Associate Professor, EEE published a paper titled 'Digital Controller based Multi motor drive using SPWM' in the 'International Journal of Innovative Technology and Exploring Engineering' in March 2019.

**Dr. Palla Vinay Kumar**, Assoc. Prof, Physics presented a paper titled 'Mechanisms influencing Stratosphere Troposphere Exchange (STE) of ozone over Costa Rica during 2016' at the National Space Science Symposium (NSSS-2019) held at Savitribai Phule Pune University, Pune, during 29-31st January 2019.

**Dr. M.C. Ajay Kumar**, Professor of Physics, presented a paper titled 'Response of Tropical Cyclone NILAM on Surface Meteorological Parameters' at the National Space Science Symposium (NSSS-2019) held at Savitribai Phule Pune University, Pune, during 29-31st January 2019.

**Md. Nizamuddin Salman**, Sr. Asst Prof, ECE published a chapter titled "Modified Non-Negative Adaptive Algorithms For Physiological Signal Analysis". in the book titled "Adaptive Filtering- Principal, Concepts and Applications" in Nova Science Publishers, USA, Feb 2019.

**Dr. B. Sandhya Rani**, Professor of English, received 'Runner-Up' prize for the paper titled 'Paradigms in the Teaching and Learning of Literature' organized by Anveshana Educational and Research and Badruka College of Commerce and Arts (Dept of English) on 19 January 2019.

**Dr. B. Sandhya Rani**, Professor of English, published an article titled 'Enhancing Critical Skills for Communication and Employability- A Literature Review' in Communication Skills and Employability: A Case in India-An Anthology of Research Articles in February 2019

**Dr. B. Sandhya Rani**, Professor of English, published a research paper titled 'Soft skills for Career and Beyond - Some Literary insights' in the IJR Journal, Vol VIII, Issue III, March 2019 with impact factor 5.7

**Dr. B. Sandhya Rani**, Professor of English, published a research paper titled 'Teacher and the Taught are One : Soft skills for Career and Beyond - Some Literary insights in IJR Journal, Vol VIII, Issue III, March 2019 with impact factor 5.7

# ATRI IN MEDIA

## జామెట్రి బాక్స్ల పంపిణీ

మంచాల: విద్యార్థులు కష్టపడి చదవాలని రంగా పూర్ సర్పంచ్ మమత అన్నారు. గురువారం ఎన్ ఎస్ఎస్ క్యాంపులో భాగంగా ఆరోరా టెక్నాలజీ కల్ కళాశాల ఆధ్వర్యంలో రంగాపూర్ ఉన్నత పాఠశాలకు చెందిన 50 మంది విద్యార్థులకు జామెట్రి బాక్స్లు పంపిణీ చేశారు. ఈ సందర్భంగా ఆమె మాట్లాడుతూ విద్యార్థులు పాఠశాల స్థాయిలోనే లక్ష్యాన్ని ఎంచుకోని ముందుకు సాగాలన్నారు. పాఠశాల అభివృద్ధికి తనవంతు సహకారం ఉంటుందన్నారు. విద్యార్థులను ప్రోత్సహిస్తున్న ఆరోరా కళాశాల బృందానికి కృతజ్ఞతలు తెలిపారు. కార్యక్రమంలో ఎన్ఎస్ఎస్ క్యాంపు ప్రాగ్రాం అధికారి వేణుగోపా



జామెట్రి బాక్స్లు పంపిణీ చేస్తున్న కళాశాల సిబ్బంది, తదితరులు

ల్ రెడ్డి, ఉప సర్పంచ్ జంగారెడ్డి, పాఠశాల ప్రధానోపాధ్యాయులు కృష్ణయ్య, ఎన్ఎస్ఎస్ శ్రీరాంరమేష్, పంచాయతీ కార్యదర్శి రాజీకుమార్ తదితరులు పాల్గొన్నారు.

## ఓటమి నుంచి గెలుపు పాఠాలు నేర్చుకోవాలి

మేడిపల్లి: పర్యటనలోని ఆరోరా ఇంజనీరింగ్ కళాశాలలో ప్రముఖ కవి, రచయిత నీలా సర్నింహ రూపొందించిన విద్యార్థి చైతన్య గీతాలు పాటల సీడి ఆవిష్కరణ కార్యక్రమాన్ని నిర్వహించారు. ముఖ్యఅతిథిగా ఆర్కే గ్రూప్ చైర్మన్ గుమ్మి రాంరెడ్డి హాజరై సీడిని ఆవిష్కరించారు. ఈ సందర్భంగా రాంరెడ్డి మాట్లాడుతూ.. ప్రతి సంవత్సరం ఓటమి నుంచి గెలుపు పాఠాలు నేర్చుకోవాలని అప్పుడే జీవిత పరమార్థం తెలుస్తుందన్నారు. కవి, రచయిత నీలా సర్నింహ మాట్లాడుతూ.. జీవితంలో కష్టపడకుండా ఏది సాధించలేమని అందుకే కష్టంతో వచ్చే ఫలితం



మాట్లాడుతున్న గుమ్మి రాంరెడ్డి

లోనే చాలా ఆనందం ఉంటుందన్నారు. ఆరోరా కళాశాల డైరెక్టర్ జె.శ్రీకాంత్, కేపీఎస్రెడ్డి తదితరులు పాల్గొన్నారు.

## రంగాపూర్లో ఎన్ఎస్ఎస్ శిబిరం

మంచాల :

మంచాల మండలంలోని రంగాపూర్లో ఎన్ఎస్ఎస్ శిబిరం కొనసాగుతోంది. హైదరాబాద్ లోని ఉప్పల్ కు చెందిన ఆరోరాస్ టెక్నాలజీ కల్ అండ్ రీజర్చ్ ఇన్స్టిట్యూట్ కు చెందిన 50 మంది విద్యార్థులు శిబిరంలో పాల్గొంటున్నారు. ఈ నెల 22న ప్రారంభమైన క్యాంప్ వారం రోజుల పాటు కొనసాగుతుంది. కార్యక్రమంలో ప్రాగ్రాం అధికారి ప్రొ.వేణుగోపాల్ రెడ్డి, సర్పంచ్ మమత, ఉప సర్పంచ్ జంగారెడ్డి తదితరులు పాల్గొన్నారు.



మొక్కలు నాటుతున్న విద్యార్థులు

## ముగిసిన ఎన్ఎస్ఎస్ శిక్షణ శిబిరం

మంచాల: మండలంలోని రంగాపూర్లో వారంరోజులుగా నిర్వహిస్తున్న ఎన్ఎస్ఎస్ శిక్షణ శిబిరం బుధవారంతో ముగిసింది. ఎన్ఎస్ఎస్ శిక్షణ శిబిరంలో భాగంగా ఉచిత వైద్య శిబిరాన్ని నిర్వహించారు. ఈ శిబిరానికి నగరానికి చెందిన ఆరోరా టెక్నాలజీ కల్, అండ్ రిసోర్స్ ఇన్స్టిట్యూట్ ఆధ్వర్యంలో నిర్వహించిన ఈ శిబిరంలో డాక్టర్ వరూధిని రోగులకు వైద్య పరీక్షలు చేసి, ఉచిత మందులు అందజేశారు. ఈ సందర్భంగా సర్పంచ్ మమత మాట్లాడుతూ.. వారంరోజులుగా ఎన్ఎస్ఎస్ వలంటీర్లు గ్రామంలో పలు సేవా కార్యక్రమాలతో పాటు కంప్యూటర్ పై విద్యార్థులకు అవగాహన కల్పించాలన్నారు. మొక్కలు పెంచే విధానంపై అవగాహన కల్పించినట్లు తెలిపారు. శిక్షణ శిబిరానికి వచ్చిన విద్యార్థులకు అన్ని సౌకర్యాలు కల్పించనున్నట్లు తెలిపారు. కార్యక్రమంలో ఉప సర్పంచ్ జంగారెడ్డి, లయన్స్ క్లబ్ బంజారాహిల్స్ ఆఫ్ అధ్యక్షుడు అరునాథ్ రెడ్డి, రైతు సంరక్షణ ఫౌండేషన్ ప్రతినిధులు అశోక్, భరత్, ఎన్ఎస్ఎస్ ప్రాగ్రాం అధికారి వేణుగోపాల్ రెడ్డి, పంచాయతీ కార్యదర్శి రాజీకుమార్, తదితరులు పాల్గొన్నారు.

## రంగాపూర్లో ఎన్ఎస్ఎస్ శిబిరం



రంగాపూర్లో మొక్క నాటుతున్న విద్యార్థులు

రంగాపూర్ (మంచాల) : వాతావరణ సమతుల్యత సాధించేందుకు ప్రతి ఒక్కరు మొక్కలు నాటాలని రంగా పూర్ సర్పంచ్ డబ్లీవ్ కార్ మమత, ఎన్ఎస్ఎస్ ప్రాగ్రాం అధికారి డి.వేణుగోపాల్ రెడ్డి సూచించారు. నగరంలోని ఉప్పల్ కు చెందిన ఆరోరా ఇంజనీరింగ్ కళాశాల విద్యార్థులు రంగాపూర్లో ఎన్ఎస్ఎస్ శిబిరం నిర్వహించారు. వారం రోజుల పాటు గ్రామంలో ఉండి మొక్కలు నాటడం, పరిశుభ్రత, నీటిపొదుపు, ప్రభుత్వ పథకాల అమలు తదితర అంశాలపై ప్రజలకు అవగాహన కల్పించనున్నట్లు అధికారి తెలిపారు. ఇందులో భాగంగా ఆదివారం రంగాపూర్ గ్రామంలోని పలు రహదారుల వెంబడి 200 మొక్కలు నాటారు. కార్యక్రమంలో ఉప సర్పంచ్ జంగారెడ్డి తదితరులు పాల్గొన్నారు.

## ముగిసిన ఎన్ఎస్ఎస్ శిబిరం



విద్యార్థులకు సామగ్రి పంపిణీ చేస్తున్న ఎన్ఎస్ఎస్ అధికారి రమేష్

రంగాపూర్ (మంచాల): నగరంలోని ఆరోరా ఇంజనీరింగ్ కళాశాల విద్యార్థులు రంగాపూర్ గ్రామంలో వారం రోజులుగా నిర్వహిస్తున్న ఎన్ఎస్ఎస్ శిబిరం గురువారం ముగిసింది. చివరి రోజు పాఠశాల విద్యార్థులకు జామెట్రి బాక్సులను పంపిణీ చేశారు. సర్పంచ్ మమత, ఉప సర్పంచ్ జంగారెడ్డి, ఎన్ఎస్ఎస్ అధికారి రమేష్, ప్రధానోపాధ్యాయులు కృష్ణయ్య తదితరులు పాల్గొన్నారు.

## నేటి నుంచి ఎన్ఎస్ఎస్ శిబిరం ప్రారంభం



మాట్లాడుతున్న అరోరా కళాశాల ఎన్ఎస్ఎస్ అధికారి వేణుగోపాల్ రెడ్డి

**మంచాల:** మండల పరిధిలోని రంగాపూర్ గ్రామంలో శనివారం నుంచి ఎన్ఎస్ఎస్ కార్యక్రమాలు నిర్వహించనున్నట్లు అరోరా టెక్నలాజికల్ అండ్ రీసెర్చ్ ఇన్స్టిట్యూట్ ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి వేణుగోపాల్ రెడ్డి తెలిపారు. శుక్రవారం రంగాపూర్ ప్రభుత్వ పాఠశాలలో విద్యార్థులతో ఆయన సమావేశం నిర్వహించారు. అనంతరం ఆయన మాట్లాడుతూ.. గ్రామంలో ఏడు రోజుల పాటు స్వచ్ఛ భారత్, శ్రమదాన్, మెడికల్ క్యాంప్, మొక్కలు నాటడం, నగదు రహిత లావాదేవీలు, ఆడపిల్లల సంరక్షణ, కంప్యూటర్ విద్యపై సాంఘిక నాటకాలు నిర్వహించి ప్రజలకు అవగాహన కల్పించనున్నట్లు తెలిపారు. కార్యక్రమంలో సర్పంచ్ మమత, ఉపసర్పంచ్ జంగారెడ్డి, వార్డు సభ్యులు, ఉపాధ్యాయులు, విద్యార్థులు పాల్గొన్నారు.

### కొనసాగుతున్న ఎన్ఎస్ఎస్ శిబిరం

**రంగాపూర్ (మంచాల):** మంచాల మండలంలోని రంగాపూర్లో కొనసాగుతున్న అరోరా టెక్నలాజికల్ కళాశాల విద్యార్థుల ఎన్ఎస్ఎస్ శిబిరం మూడో రోజు మురుగు కాలు వలు శుభ్రం చేశారు. గ్రామంలోని పలు వీధుల్లో మురుగు కాలువలు శుభ్రం చేశారు. మరో మూడు రోజుల పాటు వివిధ కార్యక్రమాలు చేపట్టి ప్రజలను చైతన్యం చేయనున్నట్లు ప్రోగ్రాం అధికారి వేణుగోపాల్ రెడ్డి తెలిపారు.

## రంగాపూర్లో విద్యార్థుల శ్రమదానం

**మంచాల :** మండల పరిధిలోని రంగాపూర్లో ఎన్ఎస్ఎస్ విద్యార్థులు సోమవారం శ్రమదానం చేసి పరిసరాల పరిశుభ్రతపై ప్రజలకు అవగాహన కల్పించారు. హైదరాబాద్లోని ఉప్పల్ కు చెందిన అరోరా టెక్నాలజీస్ అండ్ రీసెర్చ్ ఇన్స్టిట్యూట్ కు చెందిన 50 మంది విద్యార్థులు



శుభ్రం చేస్తున్న విద్యార్థులు

ఎన్ఎస్ఎస్ శిబిరంలో పాల్గొన్నారు. కార్యక్రమంలో సర్పంచ్ మమత, ఉపసర్పంచ్ జంగారెడ్డి, ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి డి.వేణుగోపాల్ రెడ్డితో పాటు ఎన్ఎస్ఎస్ విద్యార్థులు పాల్గొన్నారు.

## ప్రతి ఒక్కరికీ కంప్యూటర్ పరిజ్ఞానం అవసరం

**మంచాల :** ఆధునిక వ్యవస్థలో ప్రతి ఒక్కరికీ కంప్యూటర్ పరిజ్ఞానం అవసరమని ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి డి.వేణుగోపాల్ రెడ్డి పేర్కొన్నారు. జాతీయ సేవా పథకంలో భాగంగా హైదరాబాద్ లోని ఉప్పల్ కు చెందిన అరోరా టెక్నాలజీస్ అండ్ రీసెర్చ్ ఇన్స్టిట్యూట్ కు చెందిన ఎన్ఎస్ఎస్ విద్యార్థులు రంగాపూర్లో సేవా కార్యక్రమాలను ముగిసిన తర్వాత రోజు కొనసాగింది. ఇందులో భాగంగా గ్రామంలోని జిల్లా పరిషత్ సైన్సులో విద్యార్థులకు కంప్యూటర్ ఆవశ్యకతను వివరించారు. నేడు ప్రజాజీవనంలో వచ్చిన మార్పులు, టెక్నాలజీ



విద్యార్థులకు కంప్యూటర్ పరిజ్ఞానంపై అవగాహన కల్పిస్తున్న ఎన్ఎస్ఎస్ ప్రతినిధులు

వినియోగంపై విద్యార్థులకు అవగాహన కల్పించారు. కార్యక్రమంలో సర్పంచ్ మమత, ఉపసర్పంచ్ జంగారెడ్డి, ప్రధానపాఠ్యాయులు, అధ్యాపకులు, ఎన్ఎస్ఎస్ విద్యార్థులు పాల్గొన్నారు.

### రంగాపూర్లో ఉచిత వైద్య శిబిరం

**మంచాల :** జాతీయ సేవా పథకంలో భాగంగా మంచాల మండలం రంగాపూర్లో హైదరాబాద్లోని అరోరా టెక్నాలజీస్ అండ్ రీసెర్చ్ ఇన్స్టిట్యూట్ కు చెందిన ఎన్ఎస్ఎస్ విద్యార్థులు సేవా కార్యక్రమాలను నిర్వహిస్తున్నారు. ఇందులో భాగంగా బుధవారం ఉచిత మెగా వైద్య శిబిరం నిర్వహించారు. డా. వరదా దిని, డా. రాంచందర్ల ఆధ్వర్యంలో వైద్య బృందం రోగులకు పరీక్షలు నిర్వహించి మందులు పంపిణీ చేశారు. ఈ కార్యక్రమంలో సర్పంచ్ మమత, ఉపసర్పంచ్ జంగారెడ్డి, లయన్స్ క్లబ్ ఆఫ్ బంజారాహిల్స్ ప్రెసిడెంట్ హరినాథ్ రెడ్డి, పీఆర్వీ ఆఫీయర్, రైతు సంరక్షణ ఫౌండేషన్ ప్రతినిధులు అశోక్, భరత్, జీఎన్టీయూ ఎన్ఎస్ఎస్ కోఆర్డినేటర్, డా. నరసింహ, ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి డి.వేణుగోపాల్ రెడ్డి, పంచాయతీ కార్యదర్శి రాజ్ కుమార్ తో పాటు 50 మంది ఎన్ఎస్ఎస్ విద్యార్థులు పాల్గొన్నారు.

### ఉచిత వైద్య శిబిరాలను సద్వినియోగం చేసుకోవాలి



వైద్య పరీక్షలు చేస్తున్న డాక్టర్లు

**మంచాల:** గ్రామాల్లో ప్రజలు ఉచిత వైద్య శిబిరాలను సద్వినియోగం చేసుకోవాలని రంగాపూర్ సర్పంచ్ మమత అన్నారు. బుధవారం ఎన్ఎస్ఎస్ క్యాంపులో భాగంగా అరోరా టెక్నాలజీస్ కళాశాల ఆధ్వర్యంలో లయన్స్ క్లబ్ సౌజన్యంతో గ్రామంలో ఉచిత వైద్యశిబిరం నిర్వహించారు. కార్యక్రమంలో ఎన్ఎస్ఎస్ ప్రోగ్రాం అధికారి వేణుగోపాల్ రెడ్డి, ఉపసర్పంచ్ జంగారెడ్డి, లయన్స్ క్లబ్ అధ్యక్షుడు హరినాథ్ రెడ్డి, డాక్టర్లు వరదా దిని, రాంచందర్ తదితరులు పాల్గొన్నారు.

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