

# AURORA BULLETIN

AURORA'S TECHNOLOGICAL AND RESEARCH INSTITUTE

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



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## *Vision*

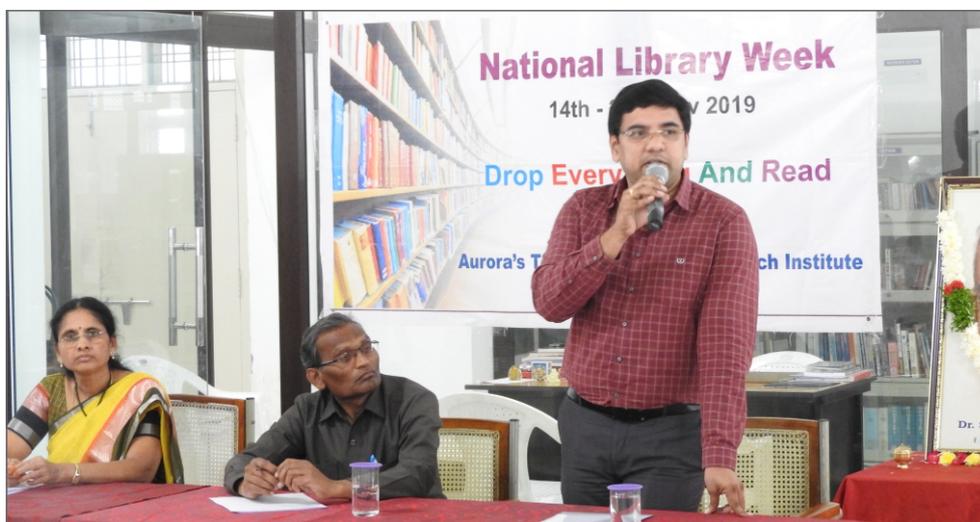
ATRI seeks to be a center of higher learning that can provide the best learning experience, the most productive learning community, and the most creative learning environment in engineering education and to be recognized as one of the best engineering colleges in India.

## *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*

With the examination season round the corner, faculty and students seemed engrossed in their respective duties, but balanced it dexterously with various co- curricular and extra-curricular activities. The Career Development Cell of ATRI organized an orientation programme for opportunities in education overseas highlighting what the students can gain from a cross- cultural learning experience. The National Library Week celebrations reiterated the contribution of libraries to the creation of intellectual communities and nation-building in turn. Industrial visits organized by the departments of Civil and Mechanical Engineering gave students hands-on experience in their fields of study. A two-day workshop conducted by the Department of Physics provided valuable inputs in the area of Optoelectronic devices and their applications. Our students displayed exceptional creativity and talent in the Bingo Tedhe Medhe contest.

Extension activities in the institute included initiatives by NSS, Street Cause and Literacy Helping Hands. Keeping in view the importance of physical and mental health, workshops on Yoga, Health and Fitness were conducted for faculty and students. A special word of appreciation for all NPTEL achievers—both faculty and students—whose performance in the online courses has resulted in ATRI being awarded 'AA' rating. Glad to see our faculty and students doing exceptionally well, thereby furthering the goals of the institution .

I wish our students good luck in their upcoming examinations. Hope the next semester is as fruitful and intellectually stimulating as the previous ones.

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## COLLEGE EVENTS



### *Career Development Cell*

#### Orientation Programme - I

An orientation programme on MS in UMASS and UDAYTON was organized by CDC of ATRI on 4/11/2019 for B.Tech final year students of CSE, IT, ECE and EEE department students at ATRI.

#### Resource persons

- Dr. Gajanethi Swathi Kumari, Principal, Ashoka Business school
- Dr Murthy, Director, UMASS Amherst Global

The highlights of the session were

UMass Amherst at a Glance

UMass Amherst, located in Amherst, Massachusetts, sits on nearly 1.450-acres in the scenic pioneer valley of western Massachusetts, 90 miles from Boston and 175 miles from New York city

#### Overview of MS Programme

The ECE MS 1+1 is a two-year program that begins in your the country and ends in the U.S students can spend the first two semesters taking live, remote courses in a classroom environment, then travel to the U.S. to complete their second year on the campus in Amherst, Massachusetts. Students will learn new approaches to electrical and computer engineering from Professors and researchers who are at the forefront of technological innovation in the United States and around the world. Their studies will span two continents, giving students a collaborative and unparalleled cross-cultural learning experience.

#### Professional Opportunities for Growth

Students will get opportunities to interview, obtain internships, do projects and advance in their career at companies that UMass Amherst Global has a relationship with included, but not limited, to: Bosch, Accenture, Apple, Microsoft, Amazon, Cisco, Rockwell Automation, GE and others

<b>Location</b>	Year 1 – Hyderabad, Year 2 – UMass Amherst, Massachusetts, USA
<b>Faculty</b>	Students are taught by UMass Amherst professors for the duration of the program, both in the classroom as well as using a state-of-the-art, live, video-based virtual platform
<b>Language</b>	Instruction in English, An IELTS score of 6.5 or equivalent is required.
<b>Duration</b>	4 semesters, 30 Credits
<b>Dates</b>	Intakes: Fall, Spring, Summer, Program Start: September, January, May
<b>Tuition Fee</b>	Program Fee: Year 1: 20,000 USD., Year 2: Standard UMass graduate student rates available here.



## Orientation Programme - II

Students of ATRI attended a Live Class Demonstration of UMass (University of Massachusetts) Amherst MS ECE Programme on 8/11/2019, organised by Career Development Cell of ATRI in association with Ashoka Group of Institutions. The program was organized at Ashoka Group of Institution.

Resource persons

- Alex Phillips, Senior Director, UMASS Amherst Global
- Eli Zvi, Assistant Director, UMASS Amherst Global
- Dr. Gajanethi SwathiKumari, Principal, Ashoka Business school

Highlights of the session were

- Introduction to UMASS MS ECE Course
  - UMASS smart classroom technical capabilities
  - Live Class demonstration
- UMASS ECE counselling session

## *National Library Week*

"Knowledge gives discipline, from discipline comes worthiness, from worthiness one gets wealth, using wealth one does good deeds which leads to happiness".

National Library week is celebrated across India every year from November 14th to 20th. The theme for this year's library week celebrations is "Libraries are equal to strong communities", which highlights the valuable contribution of libraries, library management and the responsibilities of librarians in community and nation building. The chief guest for valedictory function was Dr. S Sudarshan Rao Professor (Retd) & Head & Coordinator, PGDDIM Dept of Library & Information Science and former Principal of University college of Arts & Social sciences, Osmania University.

In his address, Dr. Sudarshan said that Libraries are the heart of institutions. They are the places where the young minds gather immeasurable knowledge across subjects of their interest from general knowledge to competitive exams, not to forget the semester examinations. Libraries are no more restricted to only printed books but are also housing lots of electronic resources for the benefit of students and faculty.

To mark the National Library Week celebrations, Dept. of Library in association with ATRI Literary Club has organized week long events namely Creative Writing, Crosswords, Elocution, Sudoku and Poster Presentations. It was observed that the student participation in such literary events is increasing every year. Creative Writing had the highest participation this year with 55 participants. A Book Fair was organised by UR Books on 18.11.19.



We recommend everyone to actively use the available library resources for their knowledge enhancement. In our efforts to promote better library usage, we follow the practice of giving away "Best Library User Award" to faculty and students. Dr. S Sudarshan Rao guided our students on how to better utilize library resources to their benefit and also advised students to use electronic resources along with hard copies.

**Prize winners**

S.No.	Event	Prize	Name of the Winner	Class/Sec
1	Creative Writing	I	Tanya Mahajan	CSE –IID
		II	Janet Angelina	IT-I
2	Crossword	I	B S Ramya	ECE-IV
		II	S Shrvanthi	IT-I
3	Elocution	I	Prathyaksh	CSE-II
		II	I Prudhvi Raju	EEE-II
4	Sudoku	I	D Srinisha	ECE-IA
		II	A Aditya	ECE-IA
5	Poster Presentation	I	Khaja Afnaan Hussain	MECH-II
		II	G Ashini	CSE-IIB
6	Best User Award Faculty	I	N Nirmala Devi	ECE
7	Best User Award Student	I	Mohammed Ashfaq	CSE-III B



## *Bingo Tedhe Medhe Art Contest*

Bingo Tedhe Medhe Art contest was conducted by the ITC from 18th to 25th November 2019. It was a 7 day event where students of all years and branches participated in teams of 2-8 members. Prize winners were awarded Rs. 20,000/- cash prize. Mr. A. Kathik, Asst. Professor, CE was the coordinator of this event.

To take part in this contest, the participants must photo document their progress of art work in step by step after the approval of the design work based on themes 1) Around the world 2) My Gully. On the basis of theme selected by the participants, they had to construct their art work (models) using Bingo Tedhe Medhe Sticks(chips) and any other supporting material.

On day one, the students were required to present the design work (draft of concept) with the concept art, concept note and upload their drive link. They were also expected to upload their day to day work in social media platform by using (hashtags) #TEDHEMEDHE #TEDHEMEDHEART.

From day two to day six the participants brought their materials and by using Bingo Tedhe Medhe chips had built their prototypes (models). Total of 12 teams registered & participated with lot of interest and enthusiasm. Models of Charminar, Redfort, London Bridge, Whitehouse, ISRO PSLV C47 (rocket), Sports bike, Wooden Eco house, Halloween's and PUBG were prepared by the participants.

On the seventh day (The Judgment Day) the participants displayed their art work for the visitors, all staff and students. They explained their art work with concept note to the Director, who appreciated their skill and effort.



## *Workshop on 'Yoga For Health And Wellness'*

A few minutes of Yoga during the day can be a great way to get rid of stress that accumulates daily-in both the body and mind. Yoga postures, Pranayama and meditation are effective techniques to release stress. Meditation is Relaxation which results in calm mind and good concentration. The word 'yoga' is derived from Sanskrit and means 'to join'/to unite'. Yoga exercises have a physical effect and bring a balance between body, soul and mind.

In view of this on 29<sup>th</sup> November 2019 an Awareness Program on Yoga for Health and Wellness was conducted by Women Empowerment Cell for all the IBTech Girls which was organized at Seminar Hall, Main Block.. The dignitaries present on the dais, honourable chief guest Ms Amruthavalli and Ms. Sri Laxmi Prasanna who has more than 10yrs of experience in yoga , Mr.J. Srikanth, Director, ATRI, .Mr.Ajay Kumar, H&AS HOD, Ms.V.Prasanna Laxmi, WEC Co-ordinator, participated in for lighting of the lamp. This was followed by a Welcome Prayer Song by Ms. Pravalika, ECE IIIrd year student

Dhatri, II-EEE student and Namratha, I CSE-A hosted the session, Hemanth of EEE -II was the student coordinator and photographer for the session. Mr. J. Srikanth addressed the gathering about the present technology which makes life easy resulting in lethargy and stressed the importance of physical fitness to all the students. Mr. Ajay Kumar spoke about the importance of health and fitness.

Ms.Amruthavalli and Ms Sri Laxmi Prasanna completed their PG in Yoga for Human Excellence from Bharatiar University. They have more than 10yrs of experience in yoga . On June 2nd 2019 they represented Telangana State and demonstrated Yoga asanas at Telangana Bhavan, New Delhi.

Ms Sri Laxmi Prasanna was awarded the 'Vishista Puraskar' Award from Keerthi Arts Academy. Ms. Amruthavalli was awarded 'Yoga Ratna' from Mega Records.

The session started with different Butterfly asanas by Ms.Sri Laxmi Prasanna and Ms.Amruthavalli demonstrated the importance of each asana. Importance of this asana is to cure all uterus related diseases. Next asana was Mandukasana to Bhujangasana. Benefits of this asana is to Prevent Diabetes, Relieve Stress and Anxiety, Improve Heart Health and Circulation and Reduce Fat from Belly, Hips, and Abdomen .Followed by Sarvangasana(4 types), Badhakonasana, Kapalabhati, Pranayama, Meditation followed by Prayer song. Mr.J.Srikanth felicitated the guests with a Memento. Vote of thanks given by Ms.V.Prasanna Laxmi WEC coordinator.



S.No	Faculty Representatives	Dept
1	Ms.V.Prasanna Laxmi	EEE
2	Ms.K.Aparna	ECE
3	Ms.N.Swathi	H&S
4	Ms.CH.Priyanka	CE
5	Ms.S.Pranavi	ME
6	Ms.S.Sreeja	CSE

## *Workshop on Health and Fitness – Kreeda Club*

A one day workshop on Health and Fitness was conducted in our college on 09-12-2019, in the Seminar Hall, Block-A by the KREEDA Sports Club coordinator and Physical Director, Ms. Shaheen Begum. The objective of the workshop was to create awareness on health and how to have healthy joints. The Physical Director demonstrated and emphasized the importance of warming up and cooling down exercises. Ms. Shaheen Begum also provided the participants with tips to relieve back and knee pain. Many faculty members attended the workshop and actively participated in the session. The feedback provided portrays it as helpful and practicable.



## **Christmas and New Year Eve Celebrations**

Christmas is the festival of joy and happiness and New Year is all about making new beginnings with a hopeful optimism for future. Christmas and new year eve celebrations were organised by SAC on 24-Dec-2019 from 3:30 pm onwards. Many faculty members, staff and students attended the event. Ms.Chandana, ECE –IIIA, anchored the programme. The celebrations started with a prayer performed by Ms. Christina ECE-IV. Ms. Janet Angelina, IT-I and Ms. Christina rendered melodious Christmas carols with devotion. An endearing Santa Claus, Ms. Likitha, CSE-IIIA enthralled the audience with a dance performance and distributed chocolates to the audience. Mr. Srikanth Jatla, I/C Director, spoke about the importance of Christmas and new year celebrations and conveyed his new year greetings to all the staff, faculty and students in advance. The event concluded with cake cutting by the Director.

*“Develop an attitude of gratitude, and give thanks for everything that happens to you, knowing that every step forward is a step toward achieving something bigger and better than your current situation”*



## DEPARTMENT EVENTS



### *Department of Physics*

#### **Workshop on “Optoelectronic Devices and their Applications”**

A two day workshop on Optoelectronic Devices and their applications was organized by Department of Humanities & Applied Sciences, ATRI on 8th & 9th November, 2019. The workshop was organized for I Yr B. Tech. students. 66 students of I Year- ECE actively participated in the workshop.

The main objective of this workshop was to provide the fundamental knowledge of Optoelectronic devices and their applications in various fields. The topics covered in the workshop include – LEDs, Solar Cell, and introduction to electrical and electronic components and applications. It also aimed to provide hands on experience to design a circuit. The outcome of the workshop was in the form of designing of a sample working models.

#### **Inaugural Function**

The first day was started with an inaugural session which witnessed the presence of Mr. Srikanth Jatla, Director ATRI, and Dr. M.C. Ajay Kumar, HoD, H&AS along with the other staff members of the Department. The two eminent resource persons Dr. G. Ramadevudu, Sr. Asst. Prof., Physics Department and Dr. P. Venkateswara Rao, Assoc. Prof. Physics Department from Vasavi College of Engineering, Hyderabad have been invited to deliver talks.

Ms. B. Srujana (Co-convener), Asst. Professor, Physics Department formally welcomed the dignitaries and the two resource persons from Vasavi college of Engineering, HYDERABAD to the dais which was followed by lightning of a the lamp. Dr. P. Vinay Kumar (Convener), Asst. Professor, Physics Department gave the welcome address and also an introduction to the workshop with schedule and contents to be covered in the workshop. He highlighted the course to be an advance course in energy conversion physics connected with the syllabus.

Dr. M.C. Ajay Kumar, HoD, H&AS, talked about the importance of the topic from fundamentals to modern research applications related to LED's and Solar Cells, which will accommodate a broad range of backgrounds and interests from Electrical and Electronics, Electronics and Communication and Computer Engineering. Mr. Srikanth Jatla, Director, ATRI, in his motivational address emphasized the importance of learning new technologies and tools for the students.



He also highlighted the need for conducting such workshops with hands on practice. He appreciated H&AS department for conducting a 2nd workshop for students as a training program in this semester. Ms. B. Srujana, Asst. Prof. thanked all dignitaries present, guests and participants.

#### Session-I

The first technical session began at 10.30 A.M with a lecture by Dr. G. Ramadevudu, VCE, Hyderabad on LED and its applications. He discussed the theory, construction, working and materials used in the construction of LEDs. He described Light Emitting Diode (LED) as a special type of PN junction diode which can emit light when it is in the forward biased state. He gave the explanation behind the emission of photons in an LED diode which lies in the energy band theory of solids. According to this theory, whether the electron-hole combining will give out photons or not depends on whether the material has a direct band gap or indirect band gap. He explained that those semiconductor materials which have a direct band gap are the ones that emit photons. Aluminum indium gallium phosphide (AlInGaP) and indium gallium nitride (InGaN) are two of the most commonly used direct band gap semiconductors for LED technologies. Dr. G. Ramadevudu in his lecture, also gave a comprehensive presentation on, Spectral Engineering, Radiative and Non Radiative Recombination, Electrical Properties, Efficiency of LEDs and their Applications. After the lecture there was an assessment test on the topic and the guest was honoured.

#### Session-II

In the afternoon session Dr. P. Venkateswara Rao, Department of Physics, VCE, Hyderabad enlightened the audience with his talk on the basics of Solar cell and its applications. He also highlighted the principle and the interesting developments in extracting the energy from the Sun and utilizing it more efficiently. He started with introduction to solar energy, worldwide demand for energy which is increasing rapidly with population and life style. He also emphasized the depletion of conventional energy sources and the need to consider new technologies which are environment friendly. One alternative source is solar energy. He discussed major components in a typical solar cell installation. A solar cell is basically a p-n junction diode which utilizes photovoltaic effect to convert light energy into electrical energy. Basic steps in the operation of solar cell like generation of Electron-Hole Pairs (EHPs) and the characteristics have been discussed. The reason for the low efficiency of the solar cells has also been emphasized. In this lecture, he also gave a comprehensive presentation on different types of solar cells, their advantages and disadvantages, plastic solar cells and their application. After the lecture, an assessment test was conducted and the guest was honoured.

#### Session- III

The second day started with an exhibition of electrical and electronic components generally used in the circuits. Mr. P. Vishnu, HoD, EEE, ATRI, gave a talk on Introduction to electrical components and their uses in the circuit. In this lecture he gave an introduction to electrical components like resistor, capacitor, inductor, etc. This lecture was followed by a lecture by Mr. K. Satish Babu, Assoc. Prof, ECE, ATRI. He gave an introductory talk on electronic components such as PN junction diode, Zener diode, APD, transistors like BJT, FET, MOSFET, etc. and their applications.



#### Session-IV

In the afternoon, session hands on training for circuit design was conducted. The trainer was Mr. N.C. Ghosh, senior technician, ECE department, ATRI. Mr. Ghosh, along with two other technicians and electrician trained the students to solder the components on PCBs. The participants have utilized this opportunity well and developed successful working models.

#### Valedictory

In the valedictory function Dr. P. Vinay Kumar welcomed the dignitaries. All participants attended the function gave their feedback and expressed their delight for the successful conduct of the workshop. They expressed that the talks were all interesting and very informative and would like to participate in more of such workshops.

Dr. M.C. Ajay Kumar, HoD, Department of H&AS, ATRI, proposed vote of thanks. He said that successful conduct of such glorious events is possible only because of the team work of faculty members. He also thanked all students and staff delegates who made the workshop fruitful.

All students and faculty members worked whole heartedly in organizing this workshop with the full fledged support. All the students were given a participation certificate. A photo session followed and the workshop concluded at 4.30pm on 9th November 2019.



## Student Achievements



Ms. A. Shailaja, ATRI NSS volunteer participated in the Pre Republic Day Parade Camp at Hemachandra Acharya North Gujrat University, Patan from 5-11-2019 to 14-11-2019.

Mr. D. Karthikeya Priyatham, CE-II received a token of appreciation from 'Pure Earth Environment Conference' conducted on 16-11-2019 at NIMSME, Hyderabad.



## Department of Civil Engineering

### Guest Lecture -Sustainable Practices in Construction

Civil Engineering department conducted a one-day guest lecture on 18.12.2019 on “Sustainable Practices In Construction -2019” for all the second, third and final year students. In the morning session, Convenor Mr.P. Venumadhav welcomed the Director, Guests and faculty and gave an overview about the Guest Lecture. Resource person Sri Triveni Prasad Nanda (Asst. Prof), School of Construction, RICS, School of Built Environment, Amity University, Noida explained Sustainable Practices In Construction with practical approach for the current scenario.

This Session was on School of construction & School of Real Estate. The primary areas were Project Life Cycle Management, Effective use of BIM in construction Management, Lean practices in construction project Management and Risk Management in Built Environment in “ School of Construction”. The key focus in “School of Real Estate” were resilient cities, pre-fabricated and off site construction, adaptive reuse of building Materials, Technologies for Urban Administration, future of Building and Green Technologies.



### Industrial Visit - Geological Survey of India

Students of Civil Engineering branch were taken to GSI (Geological Survey of India) on 7th November, 2019. The students and faculty observed different types of rocks and minerals. They also studied about Plant Fossils and Animal Fossils. There was a good response from GSI Staff members who explained very well about the different types of Rocks and Minerals. At the end the event was closed by 4.00 pm. There was a very enthusiastic response from 2nd & 3rd year students.



### Field Visit to Kaleswaram Project

On November 4th & 5th 2019, as a part of Water & Waste Management Workshop, the students were taken to Industrial Visit where Water Supply & Waste Management work is carried out.

As we established an MOU is made with Reliable Environment Services on 3rd June 2019, they conducted a workshop on Water & Waste Management at ATRI on 24th October 2019 & on November 4th & 5th the students were taken to visit for various water reservoirs, Water Barrages & Waste Water Treatment & Pumping stations etc.

DAY 1: On 4th November, 2019, they started at 6:00 am from Uppal Ring Road with 45 students and two faculty members A. Karthik and K. Kalpana.

Visit -1 was at Sri Ranganayaka Sagar Reservoir with 3TMC bund at Siddipet, where students obtained knowledge of construction of bunds & reservoirs. Engineers at the site guided them with its capacity, Catchment area, Construction process and Highlights of its project about how water is going to be useful for cultivation /drinking purposes. They also saw Abdul Kalam Azad Sujal Sravanthi water plant on the way to Karimnagar – Hyderabad Highway, Mallaram, Medak.

Visit -2 at Lower Mid Manair Dam (24 TMC). The students learnt about Head Regulator of Main Canal and also visited IMD (India Meteorological Department) site of Dam to have Knowledge of evaporation losses, Rainfall Intensity/ Measurement and also weather forecast to alarm the people for fishing, followed by lunch at 1:40 pm at Peddapalli and by 4:00 pm they reached Sundilla Barrage, on Godavari River with 74 gates, and foundation was laid by Chief Minister of Telangana, Shri. K. Chandrasekhar Rao on May 2016. It is a part of Kaleshwaram lift Irrigation Schemer which helps 1, 80,000 acres of irrigation land. The journey ended on Day 1 by reaching Kaleshwaram.



DAY 2: Started by having breakfast and by 9:00 am visited Kaleshwaram Temple and offered prayers at river Godavari, then started journey to Medigadda.

Visit 1 The students visited Lift-1 from Medigadda Barrage to Annaram Barrage at Mahadevpur, Jaya Shanker Bhupallapalluy Dist. The students gained knowledge in Medigadda Barrage (16.17 TMC) and pump house, The Engineer explained how the water is pumped and stored which utilize Godavari river for drinking, irrigation and construction process with installation of big Pumps.

Visit 2 is at Sree Rama Sagar Project at Karimnagar. In this project the students visited Kakatiya Canal; it is a major canal in Telangana State which stretches about 284 km long & 9700 Cusecs of flow capacity which passes through Nizamabad, Karimnagar, Warangal and ends at Khammam Districts. It feeds North Telangana in terms of Irrigation & Drinking water. At the end students were given a participation certificate and also had knowledge with river Godavari flows & major Projects.

## *Department of Mechanical Engineering*

### **Industrial Visit - Nusrath Metals**

The Department of Mechanical Engineering organized an Industrial visit to Nusrath Metals Pvt Ltd. on 07/11/2019, which is one of the leading Aluminium Sheet & Circle Manufacturers and Exporters, from India.

The highlights of the visit are the Infrastructural Set-Up which comprises the following major equipments.

- Aluminium Melting Furness (Capacity 3 tonnes)
- Hot Rolling Machine 50 Inches
- Cold Rolling Machine 50 Inches
- Cold Rolling Machine 70 Inches
- Deep Draw Press 50 Inches (Capacity 150 tonnes)
- Hydraulic Deep Draw Press 70 Inches (Capacity 400 tonnes)
- HMT Make

This visit gave the students practical idea of various Advanced manufacturing machines, which are located in the industry .The students found the visit especially helpful as they were able to observe practically the advanced machines that are part of their curriculum in “Production Technology”.



## Energy Conservation Week Celebrations



The Department of Mechanical Engineering has conducted Awareness Program on “ENERGY CONSERVATION” in collaboration with Indian Institution of Plant Engineers to create awareness among the Engineers on 19.12.2019. The main objective was to create awareness among the students about the importance of saving and conserving energy. Also, students were informed about how they can use the energy for its better use in the future. Apart from this, information was given to students about the true meaning of energy conservation and to minimize the wastage of energy. Its main objective is to reduce energy consumption and encourage students to use it efficiently.

## STREET CAUSE



### *Visit to Narapally Upper Primary School*

On 6 November 2019, all the coordinators and the board members visited the Upper primary school and made the event successful by donating sports equipment, stationery items, water purifier, tables and chairs to the School. Coordinators entertained the children by playing games and sports and they also shared some knowledge. The students showcased their talent by drawing their favourite super heroes with the help of the co-ordinators. The students played various games like kho-kho, dodge ball, badminton and volleyball. Overall the day was well spent and every one enjoyed the day thoroughly. No of people impacted: 250 students



### *Blanket Donation Drive*

Task Date : 24th December 2019  
Task number: 03  
Task name: Blanket donation  
Venue : Goshala, Lower Tankbund

Description: In this cool winter, we wanted to be a lending hand to the people on the streets. So, we collected



blankets and distributed them to the people in need. The event was made successful by the members of Street Cause who were ready to distribute them among the needful.

## *Orientation Programme of LHH*

On the 1st of November, 2019 an orientation program for LHH Student Chapter ATRI was held at Aurora's Technological and Research Institute. The program began with the inaugural ceremony at 10:20am . The Chief guest Mr. Vineel Reddy Pindi (Founder and CEO at Collab House) and the founder of LHH Mr. Akshay Kumar were invited onto the dais as they were accompanied by Mr. Ajay HoD, H&AS. Then Mr. Ajay welcomed the staff and the students and gave an overview of the program. He then concluded his speech by congratulating the team of LHH for taking this initiative.



Further the program continued by the speech of the founder of LHH Mr. Akshay Kumar. He spoke about the history of LHH and also mentioned about how it all began few years ago as a vision of 7 friends . He briefed the students about the purpose and main motive behind the formation of LHH. He then spoke about the importance of volunteering and how it helps in the overall development of a student and also about the structure and benefits of joining the student fellowship program. Mr. Akshay also enlightened the students about the Sustainable Development Goals. Later he concluded his speech by talking about the future projects of LHH which majorly focused on the all round development of a student and also promoted the art of thinking capability of students.



The audience were then introduced to the Chief guest for the day Mr. Vineel Reddy Pindi. After which Mr. Vineel spoke to the students. His speech majorly comprised of the importance of clubs and other co-curricular activities. He spoke about how clubs bridge the gap between classrooms and the real world. He shared some of his experiences as a volunteer at Mozilla and how it changed his life. He encouraged the students to explore and try new things. He also mentioned about how he got an opportunity to work as an intern while he was volunteering. Mr. Vineel emphasized on the importance of networking. He then concluded his speech by thanking the staff and the college for encouraging the students to participate in extra curricular activities. Mr. Pindi specially thanked the entire team of LHH for taking this initiative of starting the student chapter at ATRI.

Later the program continued by the presentation given by Mr. Prashanth (Head of Academic Relations, LHH). The presentation(Strategic Plan of Action) revealed the student fellowship program of LHH. The audience was then made aware of the different levels of selection process. The audience was told that selection of candidate would be based on the self assessment test taken by interested candidates and also on the bases of personal interaction. For the selected candidates a chronological list of phases were designed for one academic year. Which were Knowledge Phase ,Experience Phase, Execution Phase, Evaluation Phase and Plan of Execution.

They were designed in such a way that by the end of the fellowship program the candidate would have an experience of working as a professional in an organization. By the end of the presentation, the students had a complete overview of the fellowship program and its benefits. The program concluded by vote of thanks.

## NSS ACTIVITIES



### *Kill Cancer Awareness: Elocution competition*

Cancer is perceived to be a dreadful disease, the name itself creates fear in the individual. The idea itself creates an awful picture of a monster that is omnipotent and can engulf the whole body. Kill cancer awareness programme was conducted by ATRI NSS Unit in coordination with ISKCON temple, Kukatpally on 01-11-2019 to create awareness among students about the prevention of this disease. The event started at 2:00 pm in the presence of Dr M.C.Ajay kumar , HoD, H&AS, NSS programme officer D. Venugopal Reddy and the Judge Dr P.Bharthi , Professor in English . Dr. Ajay spoke about the disease cancer and the major reasons that cause cancer and how to prevent them.

Since prevention is better than cure, the judge cautioned the students about the food habits and life style that we have to maintain in order to be healthy and fit. She also explained the rules for the elocution competition. Many students participated very actively and gave their views regarding the topic "Kill cancer". The winners were given prizes and appreciation certificate and all the participants were given participation certificate on behalf of ATRI NSS unit. Dr. Ajay felicitated the judge of the programme with a plant and shawl ,All the NSS Volunteers actively participated under the guidance of NSS programme officer D.Venugopal Reddy.



Prize Winners - I Prize – MS. D Shreya , CSE-II ; II Prize – Mr. Yasaswi CSE-IV;  
III Prize- Ms .Janet Angelina IT-I ; Consolation Prize Ms. Tanya Mahajan - CSE –II

### *Indian Constitution Day Celebrations*

Constitution Day, also known as Samvidhan Divas, is celebrated in India on 26 November every year to commemorate the adoption of the Constitution of India. The Constitution day was first celebrated in 2015 as a mark of tribute to India's first Law Minister Bhim Rao Ambedkar, who played a pivotal role in the drafting of the Indian Constitution.

On the occasion of Indian Constitution Day(Samvidhan Divas) the NSS unit of Aurora's Technological and Research Institute celebrated the constitution day at the entrance of the main block A .All the Hods, students, teaching and non teaching staff participated in the programme. The Director read the preamble of the constitution and addressed the gathering about the Constitution and the importance of the preamble.



## *Tobacco Free Campus Pledge*

On the occasion of 150th birth anniversary of Mahatma Gandhi, the NSS unit of Aurora's Technological and Research Institute organised the pledge taking ceremony on "Tobacco free campus" for all the first year B.tech students on 12.12.2019

Pledge: I take the pledge that I shall never smoke and consume any type of Tobacco products and shall also motivate my family (or) acquaintances do not to smoke and use any Tobacco products, I shall keep the campus of my educational institution tobacco free and shall also motivate my colleagues to do the same



## Article



### Seen railway stations and unseen towns – Reading Bishwanath Ghosh's *Chai, Chai*

This article is only about my responses to Bishwanath Ghosh's first travel book, *Chai, Chai*, and so, this is not a review of the book. Firstly, I thoroughly enjoyed reading the book, what with me being as curious as Bishwanath Ghosh about places like Mughalsarai, Itarsi, Jhansi, Guntakal, Arakkonam, Jolarpettai, and Shoranur . . . places that you see only railway platforms of. I used to think about these places, but then the train moved on after replenishing and refreshing itself. It was only after my father was transferred to Sultanpur in UP, that I saw the platforms of Mughalsarai, Itarsi, and Jhansi. But Jolarpettai, Arakkonam, Shoranur were familiar platforms for our family as we moved around Tamil Nadu and Kerala and Karnataka in trains . . .

The concept of alighting at transit stations where, except for the residents of these places, no traveller ever thinks of going, is itself extraordinary and beguiling. But I am sure many of us, train travellers of some vintage, would have wondered however briefly, what went on in these towns . . . are Arakkonam's and Jolarpettai's claim to fame only their railway stations? Or Shoranur, for that matter . . .

*Chai, Chai* fulfils this desire in more ways than one. Now we know a little more about Arakkonam and Jolarpettai, not to say Mughalsarai and Itarsi. These stations have become intervals in our journeys across India by rail. One measures the remaining distance or time depending on when the train reaches these places . . . aah, two more hours . . . enna, vandi late-aoduda? . . . aaf-en-avar-le Jolarppetaivandudum, sar . . . says the tea-man . . . or pantry-car person . . . time to get down, stretch one's legs, see if you can get today's 'English paper,' which could well be yesterday's with today's date, and carries news about things that might well have taken place on another universe altogether, except for cricket and films, of course. Ghosh writes about lodges, and the trouble he undergoes finding a room in one of them, the taxi journeys from the 'centre' of the towns to the 'peripheries,' his visits to 'historical places,' and temples, are all narrated with a great deal of involvement and interest . . . and towns like Arakkonam, Jolarppetai, and Shoranur, where Ghosh sees nothing to involve himself in and therefore less interesting, are dispatched in double quick time and space without dishonest lingering on . . . and it comes out very clearly that Ghosh has taken this journey seriously and is as curious about these places as many of us would be except that he alights and comes out of the railway station . . . and sees the town and smells the spirits, so to say . . .

*Chai, Chai* reminded me of two books . . . one is Upamanyu Chatterjee's *English, August* and the other is Pico Iyer's *Falling off the Map* . . . for entirely different reasons . . . *Chai, Chai* evokes the small town feeling that is marvellously depicted in *English, August* . . . a feeling of ennui . . . especially for someone who goes there from a big city or 'metro' . . . you don't know what to do . . . Pico Iyer's *Falling off the Map* is subtitled 'some lonely places of the world' . . . though there is a difference in scale, experience, and style, *Chai, Chai* is conceptually similar . . . in Bishwanath's Ghosh's book one slides off these familiar platforms and tumbles into their unfamiliar towns . . .

- Dr S. Jayasrinivasa Rao  
Professor, Faculty of English

### NPTEL Achievements January –April 2019

Course Name	Name of the faculty	Dept	Certificate Type
Joy of computing using Python	D. Subhashini	CSE	Elite+gold+Top1%
English language for Competitive exams	Dr. S Jayasrinivasa Rao	English	Elite+ gold+ Top1%
Speaking Effectively	Dr. Poonam Minocha	English	Elite+ gold+ Top1%
Computer Organization and Architecture: A Pedagogical Aspect	T V Ramanamma	CSE	Elite+ Silver
Computer Organization and Architecture: A Pedagogical Aspect	V Shilpa	CSE	Successfully completed
Computer Organization and Architecture: A Pedagogical Aspect	K.Pranusha Reddy	CSE	Successfully completed
Joy of computing using Python	V.Aruna	CSE	Elite+ gold
Joy of computing using Python	Madhavi Vagu	CSE	Elite+ Silver
Data Base Management System	T Soumya	CSE	Successfully completed
Data Mining	T V Ramanamma	CSE	Elite+ Silver
Privacy and Security in Online Social Media	K.Padmini	CSE	Successfully completed
Cryptography and Network Security	Girija Rani Suthoju	CSE	Successfully completed
Cryptography and Network Security	Swapna.S	CSE	Successfully completed
English language for Competitive exams	Nuvushetti Kranthi Kumar	Civil	Successfully completed
Introduction to Automata, Languages and Computation	Swapna.S	CSE	Elite
Introduction to Automata, Languages and Computation	Farhana Begum	CSE	Successfully completed
Introduction to Automata, Languages and Computation	Sowmya Srikande	CSE	Elite+ Silver
Business analytics and data mining Modeling using R	Tangirala Padmaja	CSE	Elite
Business analytics and data mining Modeling using R	K Kavitha	CSE	Elite
Digital Signal Processing	M. ShravanKumarReddy	ECE	Elite+ Silver
Digital Signal Processing	Mrs T Jyothsna	ECE	Elite+ Silver

# Gallery



## Selected Students of IBM Placement Drive



**Hearty Congratulations!**

## Faculty Achievements



Dr. P. Bharathi, Professor of English, H&AS attended a three day Short Term Course on 'Technology Enhanced Learning for Academic Administrators & HoDs' at JNTUH, Kukatpally from 18-20 November 2019 organised by UGC-HRDC.

Ms.N.Swathi, Assistant Professor of Chemistry, H&AS attended an FDP on 'Engineering Chemistry' at JNTUH, Kukatpally from 06-12 December 2019 organised by UGC-HRDC and sponsored by the AICTE.

Ms. T. V. Ramanamma, Associate Professor, CSE, attended an FDP on 'Artificial Intelligence' at JNTUH, Kukatpally from 02-06 December 2019 organised by UGC-HRDC and sponsored by the AICTE.

Ms. K.Padmini, Associate Professor, IT, attended an FDP on 'Artificial Intelligence' at JNTUH, Kukatpally from 02-06 December 2019 organised by UGC-HRDC and sponsored by the AICTE.

Ms. S.Soumya, Assistant Professor, CSE, attended an FDP on 'Artificial Intelligence' at JNTUH, Kukatpally from 02-06 December 2019 organised by UGC-HRDC and sponsored by the AICTE.

Mr. Mohammed Touseef Sumeer, Asst Professor, ECE, attended a five day Faculty Development Program on "Artificial Neural Networks & Deep Learning" at Jawaharlal Nehru Technological University Hyderabad from 04.11.2019 to 08.11.2019.

Ms. A. Durga Pavani, Associate Professor, CSE Department attended a 2 Week FDP on Data Science and Analytics at St. Martin's Engineering College from 9th - 21st December 2019 sponsored by AICTE.

Ms. K. Kavitha, Associate Professor, CSE Department attended a 2 Week FDP on Data Science and Analytics at St. Martin's Engineering College from 9th - 21st December 2019 sponsored by AICTE.



Ms. V. Shilpa, Associate Professor, CSE Department attended a 2 Week FDP on Data Science and Analytics at St. Martin's Engineering College from 9th - 21st December 2019 sponsored by AICTE.

Ms. V. Madhavi, Associate Professor, CSE Department attended a 2 Week FDP on Data Science and Analytics at St. Martin's Engineering College from 9th - 21st December 2019 sponsored by AICTE.

Ms. G. Keerthi, Associate Professor, CSE Department attended a 2 Week FDP on Data Science and Analytics at St. Martin's Engineering College from 9th - 21st December 2019 sponsored by AICTE.

Mr. B. Anil kumar has presented paper titled "Fracture Analysis of Compressor Disk" in International Journal of Engineering Research & Technology (IJERT) <http://www.ijert.org> ISSN: 2278-0181 IJERTV8IS110219 Published by : [www.ijert.org](http://www.ijert.org) Vol. 8 Issue 11, November-2019.

Mr. B. Anil Kumar has attended Short Term Course on "Engineering Research Methodology" from 09.12.2019 to 13.12.2019 at Osmania University, Hyderabad.

## Upcoming Events



Date	Event
8 January 2020	Orientation to Internal Hackathon 2020, CSE
9 January 2020	Orientation on EDMODO, IT
9 January 2020	Orientation on ITL Methods, CSE
9 January 2020	Sankranthi Celebrations - SAC
18 January 2020	Smart India Hackathon Programme 2020 (Internal), CSE & IT
23 January 2020	A Two day Workshop on CREO
23 January 2020	MoU with TCS MANAC
24 January 2020	MoU with Fronyn Technologies Skill Upgradation
25 January 2020	National Voter's Day celebrations, NSS
26 January 2020	Republic Day Celebrations
27 January 2020	A Seminar on "HVAC"
28 January 2020	Workshop on Career Planning and Development
28 January 2020	Inauguration of Centre of Excellence on Data Science, AI and Analytics, CSE
28 January 2020	MoU with Smart Bridge, VMware IT Academy
29 January 2020	MoU with Smart Bridge for Skill Upgradation
13- 19 February 2020	NSS Special Camp at adopted village
5 February 2020	A Guest lecture on "IBA –Inspection-1968" by Dr. Prasanna
6 February 2020	Orientation Programme on "English Strokes"
7 February 2020	Workshop on Cloud Virtualization Concepts, CSE

### *Inspiring personality*

Walter Elias Disney ( December 5, 1901 – December 15, 1966) was an American entrepreneur, animator, voice actor and film producer. A pioneer of the American animation industry, he introduced several developments in the production of cartoons. As a film producer, Disney holds the record for most Academy Awards earned by an individual, having won 22 Oscars from 59 nominations. He was presented with two Golden Globe Special Achievement Awards and an Emmy Award, among other honors. Several of his films are included in the National Film Registry by the Library of Congress.



### Contact Us

#### Aurora's Technological and Research Institute

Parvathapur, Uppal, Hyderabad, Telangana - 500098

Email : [director@atri.edu.in](mailto:director@atri.edu.in), [admin@atri.edu.in](mailto:admin@atri.edu.in)

Ph : 9100999999, 9100000909

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