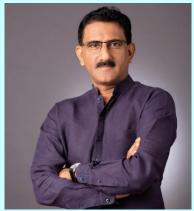


Newsletter January 2020 to February 2020

## President's Message



Shri. Sunil Rane
Executive – President of Atharva Group of Institutes
and Founder Secretary – AET

ATHARVA cherishes a dream of becoming a leading "Center of Excellence" in Engineering, Management, Film Studies and Hotel Management through Research, Technology and innovations. I believe that Education is the passport to the future, for tomorrow belongs to those who prepare for it today. The only person who is educated is the one who has learned how to learn and change.

I feel honored and humbled to share the news of receiving the National Service Excellence Award for my contribution in the education and social science sectors last year. It has definitely added more responsibility and zeal to drive the wheels of Atharva Educational Trust. The new decade round the corner will see Atharva Educational Institute widen into newer horizons.

The brand Atharva has inculcated in every Atharvite, the values of life and has provided a platform to excel in all spheres of life and make a mark. It would have not been possible without an excellent team work and such enthusiastic students.

I wish the students, staff and all the employees of the institution the best of luck in making the institution

# ICCDW -Quo Vadis 2020 1st IEEE Multi -Disciplinary International Conference



ICCDW -Quo Vadis 2020 1st IEEE Multi - Disciplinary International Conference was inaugurated by Prof. S S Mantha, Former Chairman - AICTE New Delhi and Dr. R P Deshpande, Chief Information Officer - Tele Performance, DIBS at Atharva College of Engineering on February 19 and 20, 2020. ICCDW -Quo Vadis 2020, 1st IEEE Multi - Disciplinary International Conference covered the Paper Presentation and Poster Presentation on topics like Bioinformatics, AI, Machine learning, Embedded system, Deep Learning, IOT, Cloud Computing, Power Ekectronics, Information Security and many more on February 19 and 20, 2020. Participants from all over the world participated in the conference. Our sincere gratitude to Shri. Sunil Rane, Executive President - Atharva Group of Institues, Dr. P N Nemade, Director and Dr S P Kallurkar, Principal for their valuable guidance.

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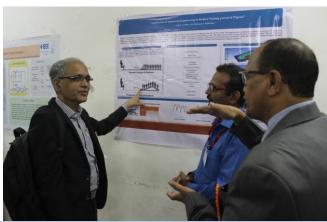
#### ICCDW - Ouo Vadis 2020 Contd..

Pre-conference workshops were organized for faculty members on February 18, 2020. First session was conducted by Mr. Manoj Singh, SAS Consultant & Corporate Trainer, SAS institute. He gave a brief idea about AI & ML. Second session was conducted by Mr. Kaushal Shah, Chief Marketing and Information Officer, Datagami. The main focus of his session was on Cyber Security. Both the sessions were based on the theme of our first IEEE international Conference on Convergence to Digital World Quo-Vadis 2020



Atharva college of Engineering had organised preconference workshop for ICCDW 2020 for students of all branches on "Deep Learning" on February 18, 2020. Session was delivered by Mr. Akash Khamkar & Mr. Arjun Pukale of Computer engineering department. The session was very informative and students learnt a lot about deep learning and also got hands on training on the same.







As a part of the IEEE Conference, a panel discussion was organized on the topic "Digital world - Opportunities and challenges". The panelists were

- 1) Dr. Deepak Waikar, Vice-chair, IEEE Education Society, Singapore
- 2) Mr. Amit Nikum, Founder, SNAS IoT Lab Pvt Ltd, Pune.
- 3) Mr. Gulrez Khan, Chief Technology Officer, SNAS IoT Lab Pvt Ltd, Pune
- 4) Mr. Siddharth Shah, Assistant Director, BDO India LLP, Mumbai
- 5) Mr. Pranav Nerurkar, Asst Prof, NMIMS, Mumbai
- 6) Ms. Deepali Maste, HOD, Department of INFT, Atharva College of Engineering
- 7) Mr. Prem Raval, Student Representative, Atharva college of Engineering



Discussion on various topics like the indispensability of digital literacy, opportunities opened up in industries academia through multidisciplinary collaborations, reliability of technology, role of data and business analytics in the success of a firm, challenges posed by the exponential growth of Artificial Intelligence and the importance of knowledge of latest technologies in problem solving realms. The industry experts and academicians shed light on these topics and shared their perspective in the light of their experiences. Moreover the panelists suggested some practical approaches that need to be adapted by the faculty members and students of the institution in order to prepare themselves for industrial 4.0 and education 4.0.

#### **The Sixth Joint Degree Distribution Ceremony**

The Sixth Joint Degree Distribution Cermony of the students of Atharva College of Engineering, Atharva Institute of Management studies & Atharva College of Hotel Management and Catering Technology was held on February 22, 2020 in Auditorium, phase 3, AET Campus. The dignitaries were Kaushal Shah and Mohinder Bhatia. Sahil Nayar chaired the event as Chief guest. Dr. S. P. Kallurkar, Principal, (ACE), Dr. P. N. Nemade, Director (ACE), Dr. Sujata Pandey (Director - AIMS), Mr. Joseph Furtado (Principal - ACHMCT) were present for the ceremony. The ceremony started by Sarawati Vandana & lighting of the lamp. More than 650 students were conferred the Certificates. The ceremony concluded with vote of thanks and National Anthem.





#### iCell Activities

### "The crux of Entrepreneurship"

The iCell of Atharva organized an Entrepreneurship awareness camp named "The crux of Entrepreneurship" during January 6 to 8, 2020. Renowned speakers from industry, academia and successful alumni enlightened students on various dimensions of entrepreneurship. The camp motivated the students to pitch their unique ideas confidently and pursue their dreams in becoming a successful entrepreneur.

### **National Level Awareness Program by MSME**

"Build the Enterprise of your dream"

National Level Awareness Program by MSME was conducted at ACE by Ms Bhagyasri Sathe Deputy Director MSME, Vandana Wankhede and team on February 27, 2020.



"Technical course training" program was conducted by Mr. jyotish ghosh (Cognilake solution LLP) and his team at ACE on February 27, 2020.



#### Republic day Celebration

Atharva College of Engineering celebrated Republic Day on January 26, 2020. Senior Police Inspector, Malwani Police Station hoisted the Flag. Coll. Sudhir Raje, Dr. S. P. Kallurkar, Principal, (ACE), Dr. P. N. Nemade, Director (ACE), Dr. Sujata Pandey (Director - AIMS), Mr. Joseph Furtado (Principal - ACHMCT) were present for the ceremony.



#### **EXTC Department Activities**

• Department of EXTC organized a guest lecture titled "Sambhav - infinite possibilities" on January 17, 2020. The invited speaker was Mr. Amit Padhy, founder of AVP Robotics. The objective of lecture was to challenge and phrase the problem statement and open all the doors of infinite solution for the challenge taken and select the best possible solution to work on with the help of mentors and colleagues.



• Department of EXTC organized a guest lecture titled "Use of Python for Data Science and Artificial Intelligence" on January 29, 2020 for SE, TE, BE students. The session was delivered by Mr. Piyush Dave, founder and CEO of MHMs Outcome based Education. The session covered brief overview of Python and its application in Data science and AI. Demonstration using two case studies cleared the concepts and made understanding easier. After the session, several students had personal interaction with speaker to discuss project Ideas.



 Alumni talk was conducted by EXTC department. The invited alumnus was Devavrat Ghag, Digital marketing manager at UTI mutual funds. The topic was effective utilization of social media for placements and career opportunities. The speaker guided students about how to create and grow professional network and contacts and its need.



• Department of Electronics and Telecommunication organized Parents Teacher Meet (PTM) on February 17, 2020. Mentors discussed last semester academic performance of mentees along with progress of current semester. Mentors highlighted the importance of NPTEL courses, internships and project based learning to parents. More than 50 parents interacted with mentors and class in charges .Parents who could not attend PTM where contacted through video calls.



• Department of EXTC organized a seminar on "Career in Merchant Navy on board Modern ship" for the FE/SE/TE students. The session was conducted by Mr.Ashok Advani(Ex chief engineer,Ex general Manager/PIL Singapore). Students were given exposure to the available job opportunities in Merchant Navy for all the E branches. He also guided regarding the preparation for the same. Students were very excited to know the facilities and lucrative packages offered for the onboard job profiles.



 Department of EXTC organized Industrial visit at SMEC Automation PVT. LTD. Total 29 students of second year visited company. PLC and automation basics were demonstrated to students by company expert. It will help students in better understanding of control system and automation.



 Department of EXTC organized Industrial Visit for TE students at SAMEER IIT campus. Total 52 students visited IIT campus. The exhibition was held on the occasion of national science day at SAMEER which was based on antenna and microwave components. Students got to know the insights of high power amplifier, RF transmitter and different types of antenna systems.



## **Electronics Engineering Department Activities**

• Electronics department organized seminar on "HAM radio & Antenna" for SE & TE students on January 28, 2020. Mr jayesh Banatwala, Founder MARI institute & his team demonstrated HAM radio features and Morse code transmitter. He also guided students to get licenses for the HAM radio.





• Electronics dept has organized Industrial Visit for SE students at Sage Automation, Thane on February 3, 2020. Mr Shreeram K gave presentation on latest trends in industrial Automation along with the lab visits like set up of PLCs, pneumatic controller, various Sensors and applications using conveyor belt. Students acquired the knowledge of basic connection between electronics and automation through the lab set up.



 Department of Electronics Engineering organized Industrial Visit at MTNL Powai on February 12, 2020. Students got exposure of various laboratories of the communication which will help students in future for the internship and training at MTNL.



 Department of Electronics Engineering organized antenna designing workshop for SE & TE students on February 24 and 25, 2020.
 Students actually made yagi uda antenna under the guidance of speaker Mr jayesh Banatwala, Founder of MARI Institute.



#### **Electrical Engineering Department Activities**

 Department of Electrical Engineering organized a seminar today on "3D Simulation and its application in PLC unit" by Speaker Alister DSilva, Director Absolute Motion Pvt. Ltd. Total 85 Students attended the seminar. Students learned about Industrial Automation 4.0 and application of 3D Simulation in PLC units. Students were made aware about industry expectations from Electrical Engineers.  Students of SE Electrical Engineering visited SMEC labs at Andheri on February 4, 2020. As a outcome of visit students learned about PLC Automation and its application, SCADA, HMI (Human Machine Interface) and VFD's for different motors.



 Department of Electrical Engineering conducted an industrial visit for TE students at Sage Automation, Thane. Students were firstly given theoretical basics training on Industrial Automation which was followed by Hands-on session of various Panels. Students were made aware of various components of Industrial Automations, Instrumentations and Control panels.



 Electrical Department organized virtual lecture on "Voltage Regulation of Synchronous Generators" on February 12, 2020. The invited speaker was Prof. Kaustubh Vyas, Vishwakarma Government Engineering College, Ahmedabad. The topics discussed were various methods of Voltage Regulation of Synchronous Generators. Department of Electrical Engineering conducted Workshop on Revolution of Renewable Energies - Bionic way on February 25, 2020. The session was started with brief outline of selection of blueprint of Engineering Projects followed by a detailed discussion on bio inspired products which led to revolution of harnessing of renewable energies. It was conducted at I-LAB using iGen software for TE and BE students.



Electrical Engineering Department organized virtual lecture on 'Starting methods of Electrical AC machines' on February 25, 2020. for TE students The invited speaker was Prof. Kaustubh Vyas from VGEC, Ahmedabad. Other than the basics of topic, students were shown animated videos of the same virtually along with the cut sections of the AC machines.



### **INFT Department Activities**

The Department of Information Technology organized a meet-up event on Crowdsource by Google and Application Development on January 28, 2020. The Speaker Mr. Nilesh Shinde is an influencer of Crowdsource and CEO of Start Pro. It found to be beneficial to students in ML and AI training, gaining immense learning, and collaborative opportunities.

Another speaker was Mr. Vivek Yadav, a flutter developer and the CEO of Stringsway Tech. The seminar provided great insights to students in terms of knowledge which would later be helpful to them for their future projects.



Selected students from INFT visited "Book My Show" on February 1, 2020. They learned different features of frontend technology and Golang. It was great for students to meet techies at Book My show. The event was coordinated by Field Trip coordinator Sachin Gavhane



Department of INFT conducted 2 days workshop on "Analytical And Quantitative Skill Improvement" for the students of T.E. on February 12 and 13, 2020. The guest for the workshop was Mr. Prashant Chandanshive (Faculty at Manoeuvre, The Career Signature) who guided the students in building the quantitative and analytical skills which would help them in all the competitive examinations for further studies and placement.



Department of INFT conducted a Alumni talk on "Recent Trends & Technologies" for the students of T.E and B.E.

The speaker for the session was Mr. Tarun Verma the alumni of ACE (Zeus Mumbai & presently pursuing MS from University of Adelaide). The talk benefited the students to gain knowledge in different domains



A seminar on Project Selection and Development was conducted for students of T.E of Information Technology department by an industry expert Mr. Rakesh Singh (Asst. Manager at BNP Paribas India Solutions Pvt Ltd).

The seminar proved to be useful as it provided the insights in terms of current business trends, in depth knowledge of market analysis and tools for growth as per industry standards. Thus the seminar was quite useful which served the purpose of "How to select the topic and development for their project?"



#### CMPN Activities

The Department of Computer Engineering organized a seminar on "Aptitude Session" for SE and TE students on February 4, 2020. The topics such as quantitative aptitude, reasoning, decision making and even psychometric tests were covered. More than 100 students actively participated in the session.



Department of Computer Engineering organized Virtual Session on "Snowflake-Data Warehouse Introduction" for Third Year students on February 7, 2020. The session was delivered by Mr. Sagar Morakhia, who is working as Senior Technical Architect at LnT Infotech.

Various topics covered were Snowflake Introduction, Architecture, Live project on NETGEAR and various other topics.

Department of Computer Engineering, with Squad Infotech in collaboration with Mumbai University organized Tech hunt on Python and Aptitude, on February 17, 2020. It is beneficial for preparing and upgrading technical as well as verbal skills for final interviews.



#### HAS Activities

Department of Humanities and Applied Sciences conducted a guest lecture for First year students on February 11, 2020. The session was delivered by Ms. Usha Bag on the topic of "Curves in 3-Dimension using Scilab". She is working as an Assistant Professor of mathematics at SLRTCE Mumbai.

It was very informative session and provided 3dimensional visuals of different curves in mathematics to students. Department of Humanities and Applied Sciences conducted a lecture session for First year students on February 13, 2020. The session was conducted by Mr. Rajendra Mahajan on the topic of "Human values and Ethics". This lecture will help them to develop virtues to succeed in life.



Department of Humanities and Applied Sciences conducted a guest lecture for First year students on February 25, 2020. The topic of session was "Chemistry for Engineers" conducted by Dr. Sheetal Powar, Assistant Professor at Viva Science College, Mumbai. She explained that chemistry must address the multidisciplinary and interdisciplinary problems. She also described about the current innovations and applications in chemistry field.

#### **Industrial Visit**

 Third year Electronics, Electrical and Electronics & Telecommunication Engineering students visited Inter Solar Systems Pvt Ltd. (Solar Water Heater & Solar Panel Manufacturers, Chandigarh).





Department of Humanities and Applied Sciences conducted a guest lecture for First year students. It was an introductory session of "Art of living's Mind Matter Sessions" conducted by Ms. Vasudha Jhunjhunwala, state coordinator of Art of living, SORT, Mumbai.

The session was conducted as a part of AICTE induction programme, to familiarize students to the new environment and encourage them to look beyond classroom.



 A seminar was conducted by company Smartree Datagami for the student of Electrical/ EXTC/ Electronics on February 5, 2020. Talk was delivered by Mr Arun Kumar and Mr. Kaushal B. Shah on the topics like Data Analytics, Artificial, Intelligence Machine Learning Ethical Hacking and Cyber Security Analyst



#### E-Cell Activities

#### Inauguration of E-Cell '20

• Atharva Ember E-Cell inaugurated E-Cell '2020, celebrating young and budding entrepreneurs on January 15, 2020.

The inauguration started with an introduction of Ember E-Cell and its activities. The dignitaries present were Principal Dr. S.P. Kallurkar, Vice-Principal Prof. Samuel Jacob, E-Cell Faculty in-charge Prof. Mohan Kumar, EXTC HOD Prof. Jyoti Kolap and all Head of Departments. Their presence motivated the budding entrepreneurs. Principal Dr. S.P. Kallurkar and E-Cell Faculty in-charge Prof. Mohan Kumar gave the attendees some valuable advices.

The guest speakers Mr. Prem Raval and Mr. Krunal Gediya shared their valuable experiences and insights of their respective entrepreneurial journey with the audience.





#### **SMART INTERNAL HACKATHON 2020**

 Atharva College of Engineering organized the Smart Internal Hackathon, a 24 hours Pre-competition for SIH2020 on 2nd and 3rd of January 2020 for the selection process of Teams (5 software + 2 hardware) to participate in SMART INDIA HACKATHON 2020.





Smart Internal Hackathon co-organized by Design & Code and Developer Student Club - Atharva College of Engineering. Prof. Santosh Dodamani and Prof. Preeti Rumao coordinated the event.



### **NSS Activities**

 NSS Atharva, B-57, celebrated Rose Day with non-teaching staff of Atharva College of Engineering.

This included people from the domain of gardening, security and cleaning who work hard every day for maintaining the decorum and beauty of our campus. Students gave them a rose and some sweets as a token of love and appreciation.

Students felt lucky to get this wonderful opportunity to express gratitude to the unsung heroes of our college.

- NSS Atharva B-57 spread awareness about corona virus amongst the people on the streets of malad locality. They had made some posters giving information about how the virus is caused, its effects and how can we prevent it. People were reading the information and give positive reviews about it. People appreciated the work.
- NSS Atharva B-57 organized an event traffic policing for two days. The team NSS was scattered in four groups, each team were handled the signal properly. Students also represented poster in front of signals which includes information such as seat belt wearing, helmet, traffic rules..



NSS Atharva performed their Streetplay based on "Women Empowerment" at Andheri Railway Station. They performed it twice, once in East and then in West, so as to cover a good amount of people. The streetplay depicted various problems faced by women on daily basis. It also portrayed various measures that can be taken by us to improve the quality of feminine life in our country. The play was heavily appreciated by the audience who could highly relate it with their own personal lives.

NSS Atharva was successful in making a good impression among the Mumbaikars present at the station.



#### **Student Achievements**

 Drama and street play team of Atharva college of Engineering won at different competition.



 Kartik Mehara, TE Extc Student Won the Bronze Medal in Wako Indian Open International Kickboxing Tournament held in New Delhi.



 Baseball team of Atharva College of Engineering was one amongst the top 8 teams in Mumbai University. The tournament was held at CKT Degree College, Panvel



• Atharva's Kabbadi team won the Kabbadi Tournament at SPIT Andheri.



• Atharva's Cricket team secured the Runner - up position at Cricket Tournament at SFIT



 Congratulations to Pranjul Agrahari BEIT1, Biju Das BEIT, Ayush Singh Tanwar TEIT, For winning the FIRST prize at UDAAN 2020 Competition held at IICMR Pune on the topic "Musical Therapy using facial expressions"

Jishant Acharya(CMPN), Raj Vaya(CMPN), Nida(CMPN), Shubham Karande(INFT), and Bhavin(CMPN) were shortlisted (along with 56 out of 2200 applicants for the teams) Solve4Bharat Hackathon event conducted from 28 Feb - 29 Feb, 2020 at Indian Institute of Science(IISc), Bangalore. Solve4Bharat is a PAN IIT Alumni India Hackathon. There were 10 complimentary prizes and three winners, from which our students won second prize in this prestigious event. IIT Directors and IISc professors were among panel members.



Raju Potharaju (TE INFT) won First prize in codemania (maximum development in limited time) competition held at SNDT University Mumbai on February 29, 2020 organized by SNDT ACM Students' chapter.



Siddharth Sinha BE INFT got job offer from Airbus. In December 2019, he had WON Airbus aerothon 2.0 held in Banglore. The Package is Rs.9 Lakhs per annum with joining bonus Rs. 1 Lakh.

Ms. Meghana Erla (student) TE-CMPN secured 1st runner up position in the Squad Tech Hunt - Mega intercollegiate competition in collaboration with Mumbai University.

First round of competition was organised and hosted at Atharva college of Engineering by SDP coordinators of the department on February 17, 2020 and second round of competition was held at Mumbai University campus on February 28, 2020.



Mr. Yash Adulkar (student) T.E, INFT was invited as guest in Datta Meghe college of Engineering to mentor their students on HACKATHON



#### National level Ideathon and Hackathon



Siddhant Sharma, S.E INFT department won second prize at "Eureka Hackathon 3.0" National Level Ideathon and Hackathon on the topic "Traffic Management", held at Pune

Ms. Aditi Rajesh Jadyal, of TE-EXTC secured 1st runner up position in the 'Junior' category in the 'Nritya Mahotsava 2020' organised by Shri. Sunil Rane, chairman, Atharva Foundation, MLA Borivali, in collaboration with Smt. Hema Malini's 'Natya Vihar Kalakendra'.



Dr. S. P. Kallurkar, Principal, Atharva College of Engineering have been invited for his valuable contribution to NIRF INDIA RANKINGS PEER SURVEY- 2020.



# **Technical news update**

# Millions of Android phones in India to get this ISRO technology

ISRO's NavIC (an acronym for NAVigation with Indian Constellation) is coming soon to millions of Android phones in India. Touted as the alternative to GPS (Global Positioning System), the NavIC satellite technology is designed to deliver accurate position information service to Indian users and even in neighboring countries. The technology is now set for a commercial application in future Android smart phones including mid-range and budget phones as the chipset giant Qualcomm has announced new processors with the ISRO technology.

**Source: HINDUSTAN TIMES** 

# Sony Walkman makes a comeback in India: It runs on Android and offers these features

Sony Walkman is one iconic gadget. Although technology evolved so did Sony as it introduced modern versions of the Walkman. The company has now added a new Walkman with a touch screen display and Android. Sony NW-A105 Walkman is priced at Rs 23,990 and it will go on sale in India from January 24. The new Walkman will be available at all Sony Center stores, major electronic stores and online as well. Sony NW-A105 Walkman features a 3.6-inch HD touch screen display and it runs on Android 9.0. One can imagine it as a tiny Android phone sans the calling support. It does come with Wi-Fi, Bluetooth and NFC for connectivity. There's also a 3.5mm headphone jack.

**Source: HINDUSTAN TIMES** 

# World's First 'Living Robots' Created by Scientists, Using Stem Cells

A group of scientists have succeeded in using living cells from frog embryos into other new life-forms, which they are referring to as a 'living, programmable organisms'. The newly constructed self-healing creature are called 'xenobots' and can approach towards targets. They may also help in carrying medicine inside a patient's body or conduct similar work.

**Source: NDTV** 

# 5 other browsers you can use instead of Google Chrome

Google Chrome is the clear winner when it comes to web browsers. Chrome, a cross platform web browser, has a 71% share of the market in PCs and 63% across all platforms, according to Stat Counter. The application was first released in 2008 for Microsoft Windows and was later also made available for Linux, macOS, iOS, and Android.

**Source: HINDUSTAN TIMES** 

# Google Releases 3 New Experimental Apps to Encourage You to Use phone less

Contrary to what you would expect, Google wants you to use your smartphones less. That's not to say that the developer of Android doesn't want you to use your smartphone at all, rather it would like you to adopt healthy usage habits that also have you do things such as taking power naps or spending time with your family. Google has been working on the Digital Wellbeing initiative since 2018 with the launch of Android 9 Pie, and has just launched three new experimental apps that take the idea of healthy smart phone usage further.

**Source: NDTV** 

# Google CEO Sundar Pichai Calls for Regulation for Artificial Intelligence

Google's chief executive called Monday for a balanced approach to regulating artificial intelligence, telling a European audience that the technology brings benefits but also "negative consequences." Sundar Pichai's comments come as lawmakers and governments seriously consider putting limits on how artificial intelligence is used. "There is no question in my mindthat artificial intelligence needs to be regulated. The question is how best to approach this," Pichai said, according to a transcript of his speech at a Brussel-based think tank.

Source: NDTV

#### **Editorial Board**

Dr. Shrikant Kallurkar, Principal, ACE, Malad. Dr. Ritu Sharma, Associate Professor, Dept. of HAS. Mr. Niranjan Samudre, Asst. Prof., Dept of ETRX.

Any information or suggestions are welcomed at niranjansamudre@ atharvacoe.ac.in.

#### **Atharva College of Engineering**

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