



Agni College of Technology

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ISO 9001:2015 Certified Institution.



JWALA

One Voice. One Choice

www.act.edu.in

ISSUE 1

A Monthly Magazine of Agni College of Technology

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For Internal Circulation Only



ACTioneering



**"Study Nature, Love nature,
Stay close to nature. It will
never fail you."**

-Frank Lloyd Wright

**"A Thing of Beauty is a Joy
Forever"**

-John Keats

We, at Agni College of Technology, take effort in keeping the campus GREEN. The place which stood as a barren landscape almost two decades ago stands tall today, ranking as the best green campus in the Chennai city. In contrast to the din and dust of the Chennai city, Agni campus is where you get a breath of fresh air. Green spirits often referred as 'Spirits of healing' embalms the Agni's serene environment.

Here, in Agni the environment with abundant greenery helps the students' mind to stay relaxed and focused. Much of their spare time is spent with nature as it speeds up the healing process and gets their spirits back in alignment. All of this packed into a single spice is definitely a treat to our sight. No one can deny the fact that the Agni campus is fresh, green, clean, and simply beautiful. It is the natural and ideal place for learning.

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Agni Pride



Training & Placement



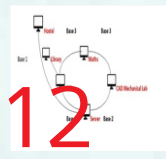
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Plastic Pollution



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E-Waste



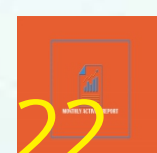
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Osho



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Message

I am very happy that "Jwala" is being published again. As Agni College of Technology grows in stature, the need for a regular college magazine sharing and deliberating on a wide range of issues becomes a necessity. Towards this end Jwala can play an important role. It is good to know that the major contribution in Jwala comes from the students themselves.

My congratulations and best wishes to the editorial team members and those who have contributed to this issue.

Patrons

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Mr. Syed Munir Hoda, Advisor
Mr. Janardhanan Menon, Director

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From the Principal's Desk

Dr. R.S. Kumar
Principal
Editor-in-Chief
Jwala

The future belongs to those who prepare for it today. We are the college with a difference! We value uniqueness, creativity and innovation and strive to nurture them in our students. Jwala magazine is a powerful resource to encourage students and staff to strive for excellence in their education and career. Apart from regular curriculum activities the college stresses on students and staff to update knowledge in their chosen areas of expertise.

We inculcate an enterprising spirit among students in shaping a better future for mankind by developing effective and socially responsible individuals contributing to the process of nation building. I take pleasure to appreciate the editors, the staff team and the student team for their meticulous work which is visible in the articles published. I am sure the team will progress to achieve propelling the organization into Himalayan success in the process of ACTIONeering.

Message from Dean, Academics

Dr. Srinivasan Alavandar
Dean Academics



With warm welcome to the new academic year, I congratulate the editorial team in bringing back the JWALA that offers a chance to be part of the day-to-day college life for the past, present and future prospective stakeholders. This newsletter will help us to travel through the activities of the Agni college of Technology in the path of academic, co-curricular and extra-curricular achievements of the students, staff and faculty members. I congratulate each one of them who had won and participated in the events and who have written excellent articles for this issue. I wish volume should increase in near future hope this magazine will definitely be an inspiration and motivation for the student and staff to perform better and add on the contributions in the forthcoming issues. I am confident that JWALA disseminate the information communicate, motivate, performance, promote unity and trade awareness.

I wish them all the very best for future endeavours.

Agni Anthem

We are the people of the beautiful motherland
We are the people who nurture our talent
We sow the seeds for scientific revolution
We are the evidence of technical evolution
We are aiming at the planet's renovation
We will make it possible by modern innovation
Our goal is victory and a place in history
Our goal is victory and a place in history, we unite
To serve the society in the state of ecstasy
To serve the society in the state of ecstasy, we unite
The name itself shows who we are, Agni
Who we are Agni
We are Agnians.....
We are Agnians.....
We are Agnians.....



Penned by
K. Ponraj
B.E. Mechanical, III year

Editor's desk



Dr. M. Prince
HoD, Dept. of Mechatronics

Dear Readers,

It gives me great opportunity to present the first issue of JWALA for the academic year 2018-2019, the measure of progress. The past month was full of various activities by the students and faculty in academic, co curricular, extra-curricular as well as industry and alumni connects. JWALA of ACT gives pleasure to all the brilliant minds who traverse through the portals of this temple of learning. I am happy to see the amount of enthusiasm of eminent members of the college to contribute to the magazine. Not to be outdone, our students have devoted time and plunged into creating powerful stories, heart-warming poems, vivid drawings and informative articles. I stand awed by the sheer number of articles that have come pouring in for the magazine. This shows the positive and creative energy of faculty members and students present in the college. We proudly publish the first issue of our college magazine in order to show to the outside world, and also to remind the progress we have made so far. We intend to continue presenting the talent and creativity of our staff and students through JWALA. I invite you to read and immerse yourself in the unfolding art and be exulted.

Wish you all best luck.

*Put your heart, mind, and soul into even your smallest acts.
This is the secret of success.*

-Swami Sivananda

Agni PRIDE

Abbreviating Projects, Research, Innovation, Design and Entrepreneurship Agni PRIDE is the new Milestone in the glorious path of our College.

Pride bridges the gap between learning institution and Industry. It encourages students to jump out of their educational comfort zone and pop right into research and development of various project ideas. It enables students of different discipline to merge themselves together and work on what they believe would make this world a better place.

Agni PRIDE is now playing a pivotal role in promoting inter-disciplinary projects among the students from various departments and also keen in converting the projects in to product. Agni PRIDE motivates and support the students in converting their creative ideas in to an innovative projects, writing technical papers and presenting the same in various technical symposiums and conferences and also exhibiting their new, creative and outrageous ideas in the outside world

It has one of the most active social connections among the students over the popular messaging application "Whatsapp". It has isolated groups for every batch of students. But the crowning part is that it links students' ideas directly with The Chairperson and the Managing Trustee.

Ever since the PRIDE has started it has consistently been linking various Industrial organisations like Tata Consultancy Services, Ashok Leyland, Texas Instruments, The Goldman Sachs, Zappy Home Services etc. with our students with various events and activities. It has also hosted various events such as Intend 2018.

Activities & Initiatives of the Agni PRIDE, **more than 600 students have participated in various technical events organized by other reputed institutions/ organizations and proved their talents by winning prizes and certificates.**

Students Participation @ DEFEXPO-2018

On 14th April 2018, Saturday Agni PRIDE facilitated our students to visit DEFEXPO 2018 was organized by Ministry of Defense, Government of India which provides excellent platform visualize and learn the latest technologies used in defense.

Our students actively participated in the open challenge conducted by the defense department and provided 13 different innovative solutions to the real technical problems stated in the competitions. Apart from this, around 60 students, along with PRIDE coordinator attended the DEFEXPO 2018 held @ Arulmigu Nithyakalyana Perumal, ECR, Thiruvadanthai, Chennai and gained relevant knowledge recent technologies and machineries' used in the defense sectors.



Visit to IRC Rail Expo 2018

International rail coach expo (IRCE 2018), the maiden international Exhibition & Conference organized by Confederation of Indian Industry (CII) in association with Integral Coach Factory (ICF) was scheduled from 17th -19th May, 2018 @ ICF Grounds, Chennai, India.

Agni PRIDE takes initiative and facilitate our students to attend the International Rail Expo 2018. Students got benefited over new products and technologies, innovations, and service for production, running and maintenance of rail transportation system from coach design, mechanical products of coaches, electrical traction system, electrical fitting and control, train set technologies, train communication system and passenger Information system coaches for metro and mono rails welding equipment's and technologies for coaches, etc.,



Texas Instruments University program - DrishTI online contest

Agni PRIDE facilitates our students to take up Texas Instruments University program which provides E-learning platform to the students. As in industry we expect the engineers to refer the required documents on online during their design process, we don't expect everything to be memorized by the engineer.

DrishTI online contest is open book type where student need not to prepare for attending the contest instead for each question they can refer a document provided and understand the document and answer.



The objective here is not to test what student know instead whether student is capable of referring the document and understand is the criteria and hence whether student is spending adequate time for referring the documents is also the criteria for judging the winners. The current edition of this contest is run on 10 different subjects.

We are very much happy to share that 860 students from various departments have taken up this online contest which is the highest students participating online contest. Thanks to the Director – Technical Innovations and all the department PRIDE coordinators.

Students Visit to ACMEE 2018

As we are one of the reputed institutions in Tamilnadu, always keen in providing industry exposure to our students. We are glad to say that our students have visited 13th INTERNATIONAL MACHINE TOOLS EXHIBITION Namely ACMEE-2018 dated 23rd June 2018.

India has been witnessing a manufacturing revolution spurred by the expansion of domestic market and huge investments in infrastructure. With the new emphasis on "Make in India", India is fast emerging as a global manufacturing powerhouse. Make in India is a major new National Program designed to facilitate investment, foster innovation, enhance skill development, protect intellectual property and build best-in-class manufacturing infrastructure.

Around 50 students from Mechanical and Mechatronics departments were actively participated in that exhibitions. Students got opportunity to visualize and learn the following CNC Machines, CNC & PLC Controls, CAD / CAM Systems, cutting tools and accessories, special purpose machines, pneumatics, hydraulics, industrial robotics, instrumentation, Low cost automation, machinery & machine tools, welding, material handling systems, energy saving solutions, sheet metal press, laser cutting, cleaning systems, cold forging machines, co-ordinate measuring machines, control devices, power tools, system consultancy, testing & measurement equipment, related to IT & consultancy services.



Zappy Bug Bounty Program

Agni PRIDE starts with a Bang, named Zappy Bug Bounty Program in association with Zappy Home Solution Pvt. Ltd. This is an initiative taken from the Agni PRIDE, to make our students to acquire the best Problem solving/testing skill sets. We are too proud to convey that this is the unique program where industry is directly connected to our students and provided excellent opportunity to showcase their talents.

This program was inaugurated on 26th June 2018, at BRP by our Principal Dr. R.S. Kumar along with the CTO of Zappy Home Services Ltd. In this inaugural function more than 600 students were attended. Around 15 students have been selected as Bug Hunters of Zappy App & Website and they have been announced as Winners by the technical team of Zappy Home Services Pvt Ltd. The bug finders has been rewarded as per the bug ratings The prize distribution ceremony for the Agni PRIDE Bug Bounty Program has been conducted on 13th July 2018, Friday 3.00 P.M. at our college premises.

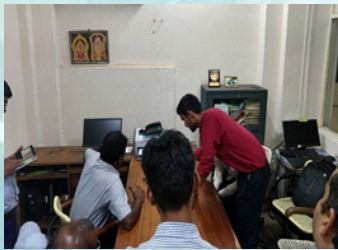


Students Industrial Project at Ashok Leyland Ltd., Chennai



Based on our Principal Visit to the Ashok Leyland, Ennore Plant, Chennai, Ashok Leyland's Team 3i has called for Innovation ideas from our college students on "Power Generation from vehicles movements".

In this regard, We are happy to inform that, our students idea on " Power Generation from vehicle movements" has been accepted by the engineering professionals of Ashok Leyland, Ennore Plant, Chennai and they got an excellent opportunity to proceed with their idea as an industry supported pilot project. This would be the first interdisciplinary students project which provides solutions to the industry needs.



On behalf of Agni Pride, a team of 12 students (as mentioned in table 1) from the departments of MECH, EEE, ECE, Mechatronics & CSE were actively participated for the above innovative challenge and prepared two different idea proposals. The following students have presented their ideas to the expert members / technocrats of Ashok Leyland on 06.07.2018 (Friday).

Mr.Venkatachalapathy – Mech - IV Year
Mr. Venkat & G Surya – Mech - III Year
Mr. Seemaan – EEE - IV Year



As our students presented their project ideas in a nutshell, Engineer Mr. Anantharajan, Assistant General Manager, Electrical Division got impressed with our students idea proposal and sanctioned a pilot project on the same. To proceed further, he asked our students to work out with design details and to simulate the same with expected output. Now our students are working on the same.

As the quotes enforced that "**Hard work never fades away**" Our student's hard work for the last two days were given a Grand success

Department of Training & Placement

Department of Training & Placement works as a catalyst by focusing on activities that enhances our student's employability and career development. The Department of Training & Placement takes care of the following areas in order to achieve the same, namely career research and analysis, career guidance, professional development, advanced technology labs, industry institution partnership, corporate relationship, campus placements and guidance towards higher education. the department also enables and assists the students in arranging guest lectures, industry internships, in-plant training and industrial visits.

Student Testimonial

- To adapt and foster activities that aim to empower students to make well thought out career choices.
- To enhance the employability skills of the students.
- To impart the transferable skills, knowledge and attitude that the employers look for
- To provide the students the opportunity and to enable them to get their first job on campus.

TRAINING AND SKILL DEVELOPMENT

Ongoing training programs conducted by reputed training partners such as SPEAK FOR SURE, VISTA MIND, 3 EDGE SOLUTIONS, CADD CENTER, HARITA, NSIC, RJP INFOTEK, RADICAL MED EQUIP SYSTEMS, NIRANJAN ULTRA SOUND, RED HAT.



Japanese Language Training by Fervidus

The Japanese language training programme is designed for the students to upgrade the Japanese language skills of students, as required by the industry and to be better prepared to face the competitive world. This programme covers basic grammatical structures, ritual expressions, basic writing system and the technical jargon in Japanese. The goal of this course is for the students to gain knowledge of basic Japanese grammar and to acquire Japanese language skills (listening, speaking, writing, and reading). By the end of this training programme the students will be able to communicate short messages on highly predictable, everyday topics that affect them directly and technical concepts that are discipline specific.



OUR TRAINING PARTNERS

S.No	Name of the Training partner	Logo	Name of the training Programme
1	SPEAK FOR SURE		COMMUNICATION SKILLS
2	VISTA MIND		APTITUDE
3	3 EDGE SOLUTIONS		C, C++, DATA STRUCTURES, JAVA, SQL
4	CADD CENTER		REVIT ARCHITECTURE, REVIT – MEP, MS-OFFICE PROJECT
5	HARITA		CATIA, SIEMENS
6	NSIC		EMBEDDED SYSTEMS, PLC & SCADA
7	RADICAL MED EQUIP SYSTEMS		HANDS ON TRAINING FOR BIO MEDICAL EQUIPMENTS
8	NIRANJAN ULTRA SOUND		HANDS ON TRAINING FOR BIO MEDICAL EQUIPMENTS
9	RED HAT		LINUX
10	RJP INFOTEK		CCNA - NETWORKING

PLACEMENT

A full-fledged placement cell that takes care of the corporate relationship and placement of students in the respective organizations. Advanced Technology labs offering value added courses like CCNA, JAVA, EMBEDDED SYSTEMS, REVIT, SOLID WORKS etc. Record of students placed in reputed concerns such as Computer Science Corporation, Cognizant Technology Solutions, Tata Consultancy Services, Wipro Technologies, Infosys Ltd, IBM India Pvt Ltd, HDFC, ICICI bank Ltd, L & T Infotech, Polaris, Amazon, Hexaware Technologies, Ford India Pvt Ltd, Capegemini, Electrosteel, Lanco Industries Ltd, EDAC Engineering Ltd, L Cube Innovative Solutions, Sutherland Global Services, RR Donnelley, E-con Systems Pvt Ltd, Renault Nissan Technology, Systech Solutions, Sopra Steria, Kumaran Systems, Virtusa, Global Knowledge Network India, HTC Global Services, Zoho Corporation, Kaar Technologies, Hyundai Mobius, Sanmina Corporation, Focaal Automation, CSS Corp, Excelacom, Concentrix, Mphasis, HCL, Scope E Knowledge, Vital bio systems, Vega Intellisoft, Prodipt Solutions, Health Watch Telediagnosis Pvt Ltd, Arihant Dura Plast, Cura Health Care, Hakuna Matata Solutions, Standard Chartered Bank, Just Dial, Mobius Knowledge Solutions, Amzen Machines, Kaar Technologies, Melio Systems, GH Induction, Super Auto Forge, JBM Group and many more

2018 PLACEMENT STATUS- Ongoing



Drone Racing – The sport of future:

Drones come under the category of fixed wing aircrafts. First person view drone racing has become a hype in the past decade. FPV Racing has become a greater trend and the sport has reached greater extent in TN in the past two years. With advancements in HUD's (Head's Up Display) and cost effective commercial drone manufacturers like DJI producing recreational and commercial drone at affordable cost, this sport has extended its reach well good in India.



Tech behind It:

Drones basically quad copters in our expertise with all those gizmos you will find in any basic unit. While the racing counterpart of it add a live streaming camera which constantly feeds up pilot with raw FPV videos which enables them in easier control and piloting of the drone way more easier than a direct line of sight viewing. The trans receiver used is in the range of 2.4 GHz to 5.8 GHz frequency range.

How did we fly into "The Drone World"?

With passion in robotics and a budding engineer pursuing Mechatronics engineering, we been introduced to this mind blogging world by our beloved Professor Mr. Magesh Kumar, who currently runs a startup of his own. With his guidance, we learned the basic construction, working, fabrication, and the electronics behind it. We are proud that we learnt them by trial and error method. Thus the knowledge we gained has played a crucial role while participating in competitions repairing it on our own, even a building a drone from scratch.

Our Trophy Room:

- ★ First place in "SPACE WARS - ELEXIR 2016" conducted at "MNM Jain College."
- ★ Third place in "GAME OF DRONES - 2017" conducted by "SAVEETHA UNIVERSITY."
- ★ First place in "SKY CHALLENGE - 2018" at "Annai Velankanni College of Engineering."
- ★ Second place in "DRONE RACING CHAMPIONSHIP – 2018" conducted by "Madras Institute of Technology."
- ★ Third place in "UAV RACING - 2018" conducted in "Eashwari Engineering College."
- ★ Won All India Drone Championship conducted by "Indian Drone Racing League – 2018."
- ★ Participation in "Drone Delivery - 2018" conducted by "IIT – Madras."



Mr. Guru Kailash, IV- MHT

ART OF MACRO FOCUSING!

Famous photographers throughout history have produced some incredible images that have stood the test of time, but it's not only their photographs that are inspirational.

Their acute insights into the creative process have guided generations of photographers and shaped the way even today's best photographers think about their subjects and scenes

"In photography there is a reality so subtle that it becomes more real than reality."

- Alfred Stieglit

Shutterbug enthusiasts may be wondering how to click a macro image, Let me help you guys through this blog, you are just few steps away from becoming a PRO.

Now you too can get these shots, all you need is a small additional part (Pocket Friendly) to your gear called REVERSE RING. Attach the REVERSE RING to the front part of the detachable lens after which the lens is attached to the camera body upside down. Where the front part becomes the rear one and now you'll be able to focus things at a very close distance from the subject.

These REVERSE RINGS are available in "n" number of sizes based on the brand and size of your lens.

For achieving great clarity and focusing details, you should need some real good lighting (natural or artificial) on your focusing subject. You can either use the outdoor lighting or artificial lighting for better focusing details on your subject.

While using additional artificial light setup, make sure that the reflection of the light doesn't cover the whole subject. You need to angle the shots yourself so that the details in the subject are brought out well. Try out for multiple angle shots, at a point you'll get the desired output image.



- Mr.Santhosh K.V
Final Year, MHT

"You don't take a photograph, you make it."
- Ansel Adams

These are the basics for capturing macro images.
Now let your IMAGE speak!

Plastic Pollution

Mr.Sanjiv Mohanty / Sr.Asst Professor / Civil Engineering Department



Plastic pollution is the accumulation of plastic products in the environment that adversely affects wildlife, wildlife habitat and humans. Plastics that act as pollutants are categorized into micro, meso or macro debris, based on size. Plastics are inexpensive and durable, and as a result levels of plastic production by humans are high. Moreover, the chemical structure of most plastics renders them resistant to many natural processes of degradation and as a result they are slow to degrade. Together, these two factors have led to a high prominence of plastic pollution in the environment.

Plastic pollution can afflict land, waterways and oceans. Living organisms, particularly marine animals can be harmed either by mechanical effects such as entanglement in plastic objects or problems related to ingestion of plastic waste, or through exposure to chemicals within plastics that interfere with their physiology. Humans are also affected by plastic pollution, such as through disruption of various hormonal mechanisms.

As of 2018, about 380 million tonnes of plastic is produced worldwide each year. From the 1950s up to 2018, an estimated 6.3 billion tonnes of plastic has been produced worldwide, of which an estimated 9% has been recycled and another 12% has been incinerated. In the UK alone, more than 5 million tonnes of plastic are consumed each year, of which only an estimated one-quarter is recycled, with the remainder going to landfills. This large amount of plastic waste inevitably enters the environment, with studies suggesting that the bodies of 90% of seabirds contain plastic debris. In some areas there have been significant efforts to reduce the prominence of plastic pollution, through reducing plastic consumption and promoting plastic recycling.

Efforts to reduce the use of plastics and to promote plastic recycling have occurred. Some supermarkets charge their customers for plastic bags, and in some places more efficient reusable or biodegradable materials are being used in place of plastics. Some communities and businesses have put a ban on some commonly used plastic items, such as bottled water and plastic bags.

"Save the world from Plastic Pollution"

New Nano Microscope Gives Detailed New Look at Alzheimer's Brains.

Alzheimer's (also called senile dementia), is a type of dementia that causes problems with memory, thinking and behaviour. Symptoms usually develop slowly and get worse over time, becoming severe enough to interfere with daily tasks. One major problem with understanding Alzheimer's is not being able to clearly see why the disease starts. In order to better understand its development, researchers have been looking for new ways to track the formation of amyloid plaques (Amyloid plaques are proteins that are sticky build up which accumulates outside nerve) within the brain, which are the best known biomarkers of Alzheimer's. In Alzheimer's disease, the protein divides improperly, creating a form called beta amyloid which is toxic to neurons in the brain. No one really knows why beta amyloid is formed or why it causes cell death. Researchers at Purdue University recently developed a so-called super-resolution "Nano scope" (Nano-microscope) that can show molecular-level details of the composition of tissues and recently they optimized the technology to look deep into the brain. This imaging technique could help reveal how the disease progresses and where new treatments could intervene. Using the new method, researchers at Indiana University were able to obtain three-dimensional images of molecules within the brain at a resolution that was previously an impossibility. "While strictly a research tool for the foreseeable future, this technology has allowed us to see how the plaques are assembled and remodelled during the disease process," said Gary Landreth, an Indiana University professor that worked on the study appearing in Nature Methods. "It gives insight into the biological causes of the disease, so that we can see if we can stop the formation of these damaging structures in the brain". The Nano scope relies on adaptive optics that contains mirrors that constantly change shape to compensate for light distortion introduced by brain tissue. By finely tuning how the mirrors deform themselves at lightning speed, the researchers were able to see the cells and their components down to individual molecules, in mice that have high levels of amyloid plaques.

J.D.SHYLA BLESSY
(IV YEAR/ BME)

WIND MILL INSTALLATION

The department of EEE has installed wind mill of 0.5 kW capacity in our college campus. This wind mill has been assembled and installed by the collaborative work of students from the third year and the final year with the guidance and support of faculty members of Electrical and Electronics



RANCIDIFICATION

Rancidification is derived from a Latin word which means being old or stale.

Rancidification is the chemical decomposition of fats, oils and other lipids. Specifically, it is the hydrolysis or auto oxidation of fats producing short chain aldehydes and ketones which changes the taste and colour of food.



RANCIFIES FOOD ITEMS:

Rancidification, in most cases, is considered to be undesirable as it causes bad odour and taste, like in used oils and other lipid products. It could also lead to detraction in the nutritional value of food.



But sometimes it proves to be useful, like in the case of aged cheese, in which case, it tends to increase the taste of cheese. It also plays an important role in enhancing the taste of processed meat.

One of the major uses for oils is for frying of food. There are two types of frying namely deep frying (e.g. potato chips) and shallow frying (e.g. patties). Deep frying is especially of concern as the oil is reused and can be held at high temperatures for long times which is why a high stability oil is preferred for snack foods requiring a long shelf-life (Du Plessis, Van Twisk and Parsons, 1999). The degradation of the frying oil produces harmful compounds, which are absorbed by the product and for this reason the discard point of the frying oil is very important

RANCIFIES FOOD ITEMS:

Flavor deterioration is the most common concern regarding the use of rancid fats and oils but the deterioration of colour and texture attributes as well as nutritional implications such as loss of nutritional value and formation of possible toxic oxidation products are also very important effects.



RANCIDIFICATION PATHWAYS:

Rancidification occurs by many different pathways, namely identified as:

- Hydrolytic rancidity
- Microbial rancidity
- Oxidative rancidity

HYDROLYTIC RANCIDITY:

Hydrolytic rancidity refers to the Rancidification process in which triglycerides are hydrolyzed and free fatty acids are released, leading to a characteristic odour. Rancidity in foods may be very slight (indicated by a loss of freshness) to very severe (indicated by objectionable odours and/or flavours).

In this type of rancidity the hydrolysis happens in the absence of air but moisture is present.

MICROBIAL RANCIDITY:

Microbial rancidity refers to a process in which microorganisms, such as bacteria, use their enzymes such as lipases to break down fat. This pathway can be prevented by sterilization.

OXIDATIVE RANCIDITY:

Oxidative rancidity is associated with the degradation by oxygen in the air. Oxidation primarily occurs with unsaturated fats. For example, even though meat is held under refrigeration or in a frozen state, the poly-unsaturated fat will continue to oxidize and slowly become rancid. The fat oxidation process, potentially resulting in rancidity, begins immediately after the animal is slaughtered and surface fat becomes exposed to oxygen of the air.

Oxygen is eight times more soluble in fats than it is in water, it is this exposure that is the main cause of autooxidation process, increasing the saturation of oil.

PREVENTION OF RANCIDIFICATION:

Anti-oxidants are mainly used as preservatives to prevent the onset or delay the development of rancidity due to oxidation. Natural antioxidant chemicals such as ascorbic acid, tocopherols and polyphenols and synthetic antioxidants such as butylated hydroxyanisole (BHA).

Rancidification can be decreased, but not completely eliminated, by storing fats and oils in a cool, dark place with little exposure to oxygen or free radicals, since heat and light accelerate the rate of reaction of fats with oxygen.

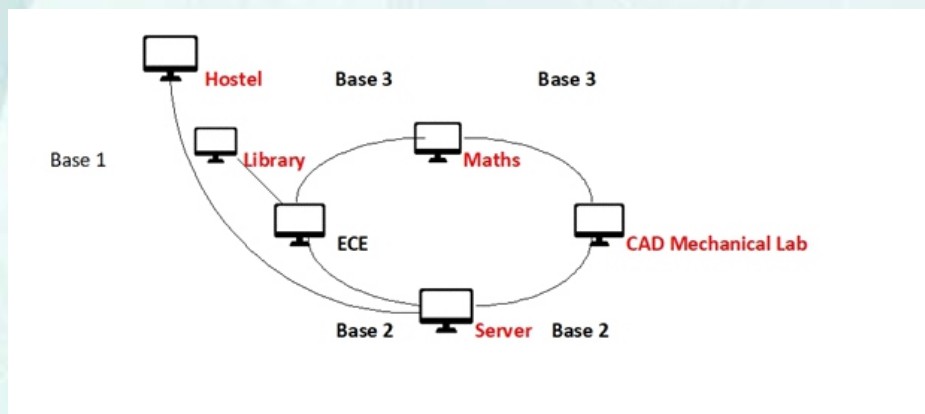
Antimicrobial agents can also delay or prevent rancidification by inhibiting the growth of bacteria or other micro-organisms that accelerate the process.

Hence, Rancidification is a process which we witness every day in our routine life, while eating stale chips, or sensing the characteristic odour from oils and fats etc. And as mentioned above, it can also be reduced significantly by various methods. But it also proves to be a boon in the case of cheese making, or meat processing, in which case, it increases the quality and taste of the product.

Muthu Umayal K Chemical engineering -2nd year

Fiber Optics Ring Network Becomes Operational in Agni College Campus

Kudos to ITSS and EB Team for their wonderful initiative in installing ring topology based fibre optics network in Agni College of Technology campus. They bought components from outside, reused available infrastructure, laid out the cable, and made it operational, all by themselves, without calling for external labour / technical support. **It is an exemplary work executed most innovatively and cutting down the expenses to the college drastically.**



RING NETWORK LAYOUT

The fibre optic ring network will enable network availability, ensuring 100MBPS throughout all the departments in the campus with fail over, while saving cabling cost. Congratulations for your innovative idea, commitment team work, and most importantly the successful outcome. ITSS Team included Mr.Kalaivendhan.B, Mr.Magesh M, Aravindh R, HarishKumaran S and EB Team included Mr.P.Thangam, Mr.N.Selvanthiran, Mr.S.Manikandan, Mr.B.Vinoth





அறிந்துகொள்வோம்...!

ஹைப்பர்லூப் அடுத்த தலைமுறை பயணம்

இனி, பஸ்ஸில் ஏறி ஒரு குட்டி தூக்கம் போடலாம் என்றால் அது நடக்காது.. காரணம் அதற்குள் பெங்களூர் வந்து விடும் அது தான் ஹைப்பர்லூப் பயணம்.. Train, பஸ், விமானம், புல்லட் Train, இந்த வரிசையில் அடுத்தது ஹைப்பர்லூப் .. இதன் மூலம் இந்தியாவில் எந்த மூலைக்கும் அதிக படியாக ஒரு மணி நேரம் தான் ...

தொழில்நுட்பம்:

பொதுவாக எந்த ஒரு பொருளும் வெற்றிடத்தில் (vacuum) வேகமாக பயணிக்கும், இந்த கோட்பாட்டை உள்ளடக்கியது தான் ஹைப்பர்லூப் பயணம்..

எடுத்து காட்டாக முதலில் சென்னை முதல் பெங்களூர் வரை பழைய வீராணம் பைப் அளவு விட்டம் கொண்ட குழாய்கள், பூமிக்கு மேலோ, கீழோ அமைக்கப்படும். அதற்குள் ரயில்வே தண்டவாளங்கள் போல் அமைக்க படும்.. பிறகு அதில் காற்று அழுத்த 0 (zero) அளவுக்கு குறைக்கப்படும்.. பிறகு அதன் உள்ளே இருக்கும் பஸ்போன்ற ,ஹைப்பர்

லூப் வாகனத்தில் உள்ள புரபெல்லர் இயக்க படும். அவ்வளவு தான் ஹைப்பர்லூப் வெற்றிடத்தில் விமானத்தை விட வேகமாக பறக்கும்..ஒடும் (sorry புது வார்த்தை கண்டு பிடிக்க வேண்டும்).. அதாவது மணிக்கு 1000 கிலோமீட்டர் வேகம்..(எழுதும் போதே மெய் சிலிர்க்கிறது)..

*இதன் திட்ட செலவு புல்லட் ரெயிலை விட மிக குறைவு என்பதால்

டிக்கட் விலையும் சாமானியர்களுக்கு ஏற்றதாக இருக்கும்..

*இந்த ஹைப்பர்லூப்பில் நாம் நம் தலைமுறையிலே பயணம் செய்ய போகிறோம்..அதாவது இன்னும் பத்து வருடத்திற்குள்..

->உலகில் முதல் ஹைப்பர் லூப் வழித்தடம் அமேரிக்காவில் நிர்மாணிக்க பட்டு வருகிறது..

->உலகில் இரண்டாவது நாடாக நம் இந்தியா தான் இந்த விஞ்ஞான

வசதியை பெறப்பேகிறது..

->இன்று மும்பை பூனே மற்றும்பெங்களூர்_சென்னைஇடையே ஹப்பர்லூப் அமைக்கும் திட்டத்திற்கு ஒப்பந்தம் கையெழுத்தானது..

✘ இனி காலை மும்பைக்கு வேலைக்குப்போய் இரவு வீடு வந்து விடலாம்..

காணொளி:- <https://www.youtube.com/watch?v=Czrc1JfIBRw>

செய்தியை தொகுத்து வழங்கியது

யோகானந்த். செ
உதவிபேராசிரியர்
கணினிஅறிவியல்மற்றும்பொறியியல்துறை

கவிதை

அறிவாற்றலின் அங்கமாய் தொடங்கி ,

மதிப்பெண்ணின் தேவையை நாடி,

ஒழுக்கத்தை எடுத்துரைத்து,

சமுதாயத்தின் சரித்திரத்தை அறியச்செய்து,

இயலிடத்தில் இன்பத்தை பரிசாய் அளித்து,

உற்றாருக்கும்,உடன்பிறந்தாருக்கும் மட்டுமல்லாமல்

மண்ணில் பிறந்த மற்றாருக்கும் மதியை மனம் உகந்து உவகையோடு,

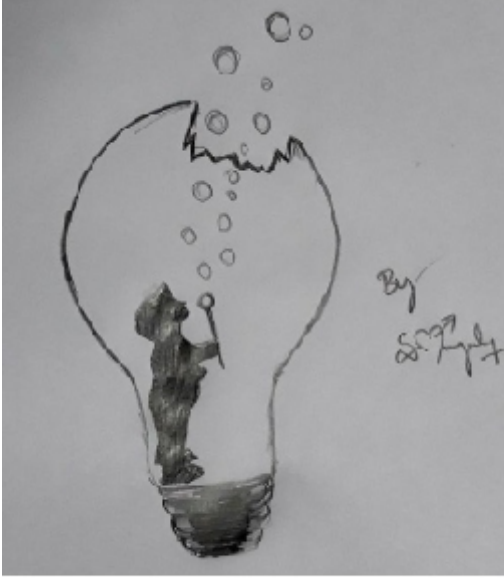
அள்ளித்தரச்செய்யும் அழகிய விடியல்.....

விண்ணில் மின்னும் விண்மீனாய்,

விருட்சத்தை எதிர்நோக்கும் விதைகளின் கனவாய்,
 பிரபஞ்சத்தில் பிரதிபலிக்கும் கதிரவனின் ஒளியாய்,
 மொட்டுக்களை மலரச்செய்து, இறுதியில்
 நூதனத்தின் நூலாய் விகற்பமாக்கும் வீரியமிக்க விதை.....

M.Karthika

III ECE B



Creativity should break the limitation...

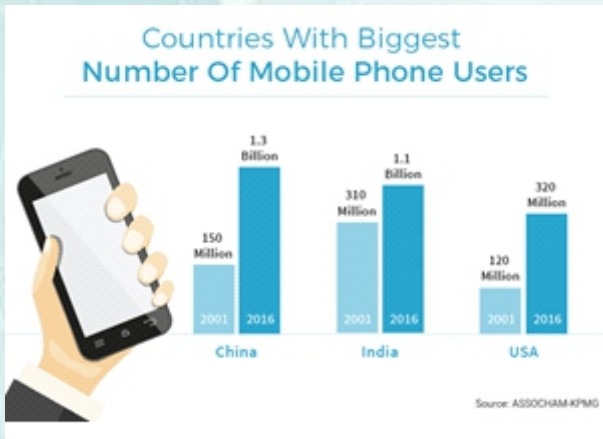
By

Muges.S/III year IT

E-Waste: Tackling India's Next Big Waste Problem

Dr.K.SUNDARAMOORTHY, Prof & Head,
 K.ARUN PRASAD, ASP/IT, K.PUSHPAVALLI, AP/IT, G.KEERTHANA, AP/IT

"Whenever we think of waste, we think in terms of garbage or solid/semi-solid waste and not anything else. In the last 10 years, e-waste has become a global issue. India too, generates a large quantity of electronic waste every year. Sadly e-waste is something which does not get much media coverage, and people's awareness regarding e-waste is quite low," said Ashok Kumar Das, Vice Chairman, Indian Institute of Chemical Engineers and author of the report 'E-Waste Management in India: Current Scenario.'



E-WASTE

E-Waste and India

In 2016, India was ranked as the fifth largest generator of electronic waste in the world. A study conducted The Associated Chambers of Commerce and Industry of India (ASSOCHAM) and KPMG in 2016 ranked India among one of the top five countries in e-waste generation, with an estimated 1.85 million tonnes generated annually. Globally, the number is an astounding 40 to 50 million tonnes annually. India accounts for roughly 4 per cent of e-waste generated annually. The United States ranked first in e-waste generation, generating 11.7 million tonnes of e-waste annually. China ranked second with 6.1 million tonnes of e-waste every year.



India is the fifth biggest producer of e-waste in the world

The ASSOCHAM-KPMG study, titled "Electronic Waste Management in India" identified computer equipment and mobile telephones as the principal e-waste generators in India. According to this study, computers contributed towards 70 per cent of the total e-waste generated in India, while telecommunication equipment accounted for 12 per cent. Among cities, Mumbai topped the list as it generated an estimated 1, 20,000 tonnes of e-waste annually. Delhi and Bengaluru ranked second and third, with 98,000 and 92,000 tonnes of e-waste generation respectively. Approximately 70 per cent of heavy metals found in landfills are accounted for by E-waste.

E-waste recycling is a concept barely existent in India. As a result, the waste generated is often dumped in rivers or dump yards without proper recycling or treatment. This is hazardous on various levels for both the environment and personal health, said M. N. Aggarwal, one of the contributing members for the study.

Recycling E-Waste

Much of the e-waste generated is recyclable. Computer equipment such as monitors and printed circuit boards have a number of base metals which can be reused after melting. Unfortunately, India is highly ill-equipped in terms of both legislation and skilled labour to handle e-waste recycling. Only 1.5 per cent of e-waste generated in India gets recycled. This can be attributed to nearly zero awareness about e-waste and its recycling, as well as the fragmented nature of the unorganized sector and its apathy to waste collection and recycling.



Mumbai generates the most e-waste, followed by Delhi and Bengaluru

The unorganized sector consists of mostly of shops and industries which engage contract laborers and are dealers of electronic equipment. Old electronic equipment from this sector is often sold to dismantlers. Most of the e-waste generated from this sector is often dumped or dismantled, instead of being recycled properly.

India's E-waste Woes

The problem of e-waste has been spoken about in some levels in India, but not at a large enough scale to make a considerable impact, especially in the unorganized sector. One of the reasons why there hasn't been much impact with regard to e-waste is because e-waste is still not seen at par with solid or liquid waste. The fact that e-waste is potentially equally harmful to the environment and can cause hazardous diseases, affect air and water, are factors never taken into consideration.



The unorganized sector in India contributes about 95 per cent to India's e-waste generation

Legislation with regard to e-waste has been another problem for segregation of e-waste in India. In 2016, the Ministry of Environment issued regulations with regard to management of e-waste. Some of the new inclusions in the 2016 notification were the inclusion of manufacturer, dealer and producers of electronic goods as stakeholders. The stakeholders were also made responsible for collection, segregation and recycling of e-waste generated from their activities.

The new rules laid down in 2016 by the Union government have brought in some changes in accountability related to e-waste. Producers have been identified as responsible for the first time. The rules also prescribe a penalty for non-compliance, especially if recycling rules are not followed, said Mr. Das.

Despite the 2016 notification, e-waste related norms are flouted on a regular basis.

We regularly try and monitor industries flouting e-waste related norms. The unorganized sector remains a problem though, as most of e-waste is generated from this sector and we have to become more vigilant in keeping a check on them.

What lies ahead?

With India's e-waste generation estimated to reach 52 lakh tonnes in 2020, the future doesn't look too bright, unless stringent recycling procedures are followed. What India needs is more e-waste recycling units than the current 148 units it has? Most importantly the unorganized sector should also be brought under proper supervision and monitoring, so that majority of the e-waste generated could be recycled properly.

There should be no differentiation between e-waste and any other type of waste, as the harm done by the former is no less than the latter. Hence, from collecting to recycling, the awareness and legislation for e-waste should be similar to that of any waste.

Edge Computing vs. Cloud Computing - Mr. R.Vinoth, AP / Info. Tech

Managing Workloads and Costs in Complex Data Center Architectures

As Mickey Mouse discovered in the Sorcerer's Apprentice, a sudden, exponential rise in workflow can quickly become overwhelming. Data centers are being put on alert that the virtually limitless "buckets" of device-generated IOT and Eliot data funneled into centralized cloud-based networks could literally drown their current architectures.

There's no doubt that today's increasingly flung-decentralized data sources have become the Achilles heel of cloud-based systems. Edge computing and the cloud clearly serve different masters but are complementary architectures. Working symbiotically, they can provide highly effective Iota platforms.



Mr. R.Vinoth,
Assistant Professor, Dept of IT

Custom-Built Edge-Based Solutions

One suggested data center paradigm is to simply push data handling to the edge of a network. Rather than send data to a cloud server or main data center to be processed, move it closer to the population consuming it. Funneled through a local gateway device, edge-based architectures allow faster access and take much of the pressure off of networks.

Edge-based infrastructures (device, edge, and server) sometimes known as 'fog' or grid computing, can be set up to dovetail with IoT and most widely distributed applications.

Because IoT gleans data from multiple sensors, controllers, and connected servers, and across remote locations, processing occurs more ideally at the point of origin instead of in the cloud. With edge-based architecture, the ability to process data near a device allows for near-immediate responses and quick decisions. Not a bad way to go for applications that employ generated data in, say, machine-learned algorithms where autonomous decisions are preferred.

A custom-built edge solution lends itself ideally to the rapid accumulation of real-time data, data that devices themselves can use to keep things moving - without the "long trip" back to the cloud. In these cases, CFOs like edge computing for its cost savings in computing power and bandwidth. CIOs like the speed and accuracy of getting automation data from the source.

Universality of the Cloud

Still a mainstay for big data, the cloud's universal platform lends itself to third-party and legacy applications. For those that don't rely on stopwatch-timed responses or localized, device-centric processing power, cloud computing is big data's efficient workhorse. Cloud-based data centers accept massive amounts of data to a server, data that's pulled out by customers. This is an ideal structure for videos, music, pictures, large documents, and applications that are not critically sensitive to time. But when it comes to IoT, where information is needed at the source, we clearly expose the cloud's "feet of clay"—in the lack of quality, speed and accuracy of data. Trying to square peg a centralized cloud solution into an IoT network can quickly eat up bandwidth and computing resources. Particularly when it comes to architectures designed for IIoT applications where network access and latency can be critical.



Uniting the Best of Both Worlds

Working symbiotically, cloud and edge computing deliver what both worlds need: rapid response and big volume processing. Analytic algorithms can be created in the cloud and subsequently moved to edge device sensors that possess no analytical capabilities. Obviously, in some cases, a construct that embraces the unique capabilities of each architecture is preferred: edge computing for time-sensitive applications and cloud computing to address security and big data needs. A mix of both may be what the future brings, uniting the best of each in terms of cost and efficiency. Data volumes transferred and bandwidth costs will drive the formula that makes the best sense for both CFOs and CIOs.

Michael L. Ross, a data center management consultant who has over 10 years helping large data centers reduce their total cost of ownership notes that the right software management tools can help today's data centers manage the ideal mix of cloud and edge-based data architectures.

"The numbers and types of edge computing devices are exploding. It is estimated that state, local and higher education markets alone will install more than one million IoT devices over the next three years," he said. "Network and data loads are going to grow but by how much is unknown. This raises some concerns on how much power, space, potential cooling will be required to handle this new workload."

The introduction of cloud architecture created a shift in the way we look at cost, design and operation of data centers. Traditional DCIM software was touted as the tool that could provide modeling to assist in handling these issues. As IoT technology becomes pervasive, these same issues are magnified.

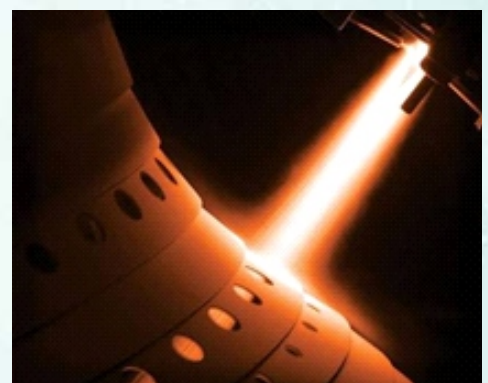
One solution is RAMP, a next generation DCIM from Tuangru that solves an array of issues through automation, modeling and soon, AI. This type of software and others like it, are well positioned to deliver insight on how IoT impacts current and future data center costs

Thermal Spraying

Thermal spray is a part of surface engineering and as the name suggests it is use for surface modifications to meet various industrial challenges. The other forms of surface engineering are painting, hard facing, laser cladding, physical vapour deposition (PVD), electroplating, case hardening etc.

The difference between welding and thermal spraying is that welding can be used to join to metals but thermal spray cannot be used for joining.

Thermal spray as the name suggests it is the process in which feed material (either in powder form or in wire form) is melted through a heat source and sprayed onto a prepared surface to form a coating. This process is highly technical and requires a lot of precision.



Benefits of thermal spray are:

1. To resist wear.
2. To retard corrosion.
3. To control clearances.
4. To conquer higher temperatures.
5. To improve electrical properties.
6. Master fluid environments.
7. Salvage worn out components.

Types of thermal spray technology:

1. Powder flame Spray
2. Wire flame spray.
3. Electric arc spray.
4. Plasma spray.
5. High velocity oxy-acetylene spray.

Major applications:

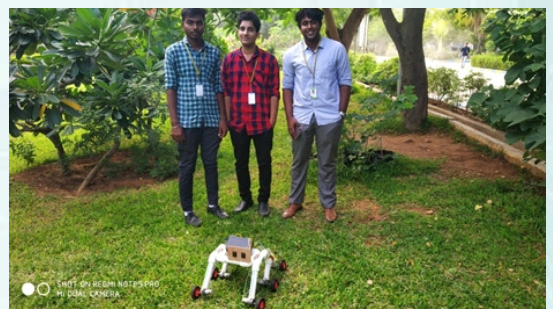
1. Aviation: Coating for aircraft engines for control clearance, Thermal barrier and wear resistance coatings.
2. Aerospace: Thermal barrier coatings on thrust chambers of satellite launch vehicles.
3. Automotive: Coatings on piston, synchro rings, Shifter forks. Coatings on engine bores are the new development and these coated bores will not be costly and heavily on the bores.
4. Power: Thermal power-boiler tubes, Steam turbine parts are coated. Gas turbine- thermal barrier coating on transition ducts, combustion chamber. Hydro power-All under water components are coated for Corrosion resistance and cavitation resistance. Textile-Most of the parts through which yard passes are coated with ceramic wear powder to resist wear. Example: TFO pots.

Now, thermal spray has evolved into laser cladding and additive manufacturing which are fast catching up in Industrial market

Sudhan Anandh
II year
Mechanical & Automation

BEETLE BUG

Beetle bug is predominantly used to climb stairs, in other words it is an all-terrain robot. It can be used in military grounds to analyze breach in fences using sensors. The structure of the beetle bug is built with PVC pipes and DC motors are used to run it. By increasing the configuration of the DC motor we can increase the stability and performance. Due to its aesthetic look and light weight, it can be carried around easily. It can be setup in a wheel chair and controlled using a remote.



LIST OF MATERIALS

1. PVC pipe
2. 90-degree PVC Elbow
3. 45-degree PVC Elbow
4. PVC cap
5. Metal plastic plate
6. Hose Clip PVC pipe clamp
7. 12V DC Metal Gear motor (30 RPM)
8. 12V DC Battery (lead acid)
9. Connecting wires
10. Nuts and bolts
11. Double switch remote

Project members

1. Dinesh (312816116011)
2. Roshan Ajit (312816116030)
3. Shorn Philip (312816116036)

III Year
Mechanical & Automation

CamFind

How would you like to walk up to any object at all no matter how foreign or unusual snap a picture of it, and have your phone tell you what that object is?

With the help of CamFind, understanding the world around us has never been easier. It is a paradigm shift in Mobile Application. So all we have to do is simply take a picture of the product and CamFind will give us all the information about the product. It has one of the best image recognition technologies. After the image is taken CamFind will provide with accurate and relevant searches, it can be either in form of texts, images or videos. For example, the app will show price comparison and online shopping data if you took a picture of a product or barcode.

CamFind has other tonnes of cool features like Barcode scanning, QR code reader and language translation. For another instance if you are standing in your kitchen, looking at a piece of chicken, and are not sure what to do with it for dinner, CamFind can come to the rescue. Take a picture of that chicken with CamFind, perform a search, and you will be presented not only with information about "chicken," but you will also get a list of different recipes.

CamFind is geared toward people who want to learn more about an item, and perhaps shop for it online, without having to type in a search. The best thing about this app is that we can download it from Google Playstore or App Store without paying a single dime.



BEAKER

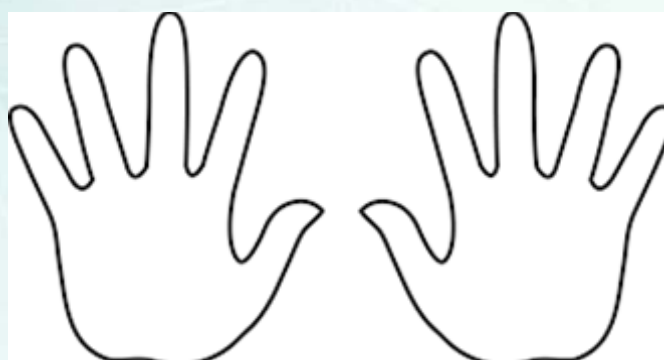
Chemistry is an exciting subject which students like to study mainly because they get excited to see bubbles and small explosions. So there are some limitations on how we can use this subject because of rules and regulations. So this is where the app Beaker comes into play.

The app "Beaker" plays on this idea with a virtual chem-lab, allowing anyone to play scientist for the day and introduce liquids, gases, and other elements into a beaker that responds to how you hold it, when elements are mixed, and if you set fire to them.

If you have two Android devices in the same spot, Beaker provides a feature called "AirMix" that allows you to add the mixture of one Beaker app to another simply by pouring it in. This is also a freeware which you can download it either from Playstore or App Store.

Mr. Nandu Ramdass, Final year - Mechanical

Osho Orates – Dr. R. Karthikeyan, Prof & Head / Mech



Left Handed

The left-handedness is concerned with the right hemisphere. The right hemisphere is beyond reason. It comprises of intuition, imagination, myth, poetry, religion. The left handed is very much condemned. Children who are born left handed are irrational, non-mathematical and they need to be stopped. They are dangerous to the society which forces and tries them in every way to become right handed. They are more oppressed, more than the negros.

Right Handed

The society is for those who are right handed. Right handed belongs to the left hemisphere. 10% children are born left handed. But they are forced to be right handed. Right handed children are more intellectual and more articulate in nature. That is why left handed children are forced to become right handed.

It is believed that the proportion would have been 50-50 earlier. Since the right handed people have ruled the world ever since, the proportion has come low for the left handed.

சாதிக்குச் சாதி ஆதிக்கம் பேசி
சாதிக்க வக்கின்றி திரியும் சங்கங்கள்;
அன்பைப் பேணும் மதங்களைக் காக்க
ஆயுதம் தேடும் முட்டாள் கூட்டங்கள்;
சாதியப் பின்னொட்டைச் சலனம் இன்றி
பெயரோடு சேர்த்துப் புழங்கும் மூர்க்கர்கள்;
கண்களை மூடி கடவுளின் பேரில்
மூடத் தனங்களை நம்பும் மூடர்கள்;

நாட்டு வளர்ச்சியைக் கருவில் சிதைக்க
மனதில் முளைத்த விஷச் செடிகள்;
சாதியும் மதமும் பேதமாய்த் தெரியும்
பேதைமை விட்டு வெளிவர மாட்டாரோ?
மதச் சவக்குழியில் மனிதம் புதைவதையும்
சாதிச் சாக்கடையில் சமூகம் சிதைவதையும்
காணும் வாடிக்கை நம்மோடு ஒழியட்டும்.
வருகின்ற தலைமுறை சமத்துவம் பேணட்டும்.



PONRAJ
Third Year, MECHANICAL

HYDROGEN POWERED BUSES

At a point in time where renewable energy is the new fad, companies have invested in millions to develop the future. Tesla, BMW and Mercedes are a few of the big names that have invested heavily in this field. The latest addition to this list of luxurious names is Tata Motors who have developed a hydrogen fuel bus with the help of ISRO. Combining hydrogen gas and oxygen, the fuel cell produces electricity to power the electric motor, with water and heat as a by-product.

Hydrogen fuel has long been debated as the way of the future. Despite the various advantages such as it being environment friendly, producing zero emission and a relatively appreciable efficiency, the safety in handling and using Hydrogen has long been under scrutiny. However, Tata and ISRO has succeeded in managing the issue, paving a path for a promising future.

This is the first time an Indian manufacturer has ventured in this direction. The Hydrogen Powered Starbus Fuel Cell bus is a zero-emission mass transport solution, for inter-city commute. The Tata Hydrogen powered Startbus works on an environment friendly power generation method that gives it a huge market for the future. With more companies moving towards the hybrid energy sector, an Indian flagship is a huge possibility considering the advancements that Tata and ISRO has made.



With the launch expected soon, the manufacturers are expecting a huge decline in fuel consumption, emission rates and also the transportation expenses as a whole. With multiple models already ready, India is all set to transform into a hybrid engineering hub for the future.

Mr. Vishnu shaji,
III Year
Mechanical

June Month Activities

1. DEPARTMENT OF BIOMEDICAL ENGINEERING

Faculty Contributions:

- Mr. Mukesh/AP/BME and Mr. Krishnakumar/AP/BME have attended workshop conducted by Texas Instruments (from ECE Department) on 26.6.18 & 27.6.18.
- **Internship/Implant Training attended:**
 - Janani B.A, Tamil Selvam S, Gowri R, Siva Subramanian S, Sowndarya K, Anees Fathima M, Sabari Girivasan R, Saravanan S, Suganthamalli R, Thasmiyabegam D, Mahendran A, students from biomedical engineering department have attended internship training during the period of May 14-18 for Hospital Training – In house, at Sri Balaji Vidyapeeth Shri Sathya Sai Hospital.
 - Uma Maheswari S, Shyla Blessy J. D, Prabhudevan G, Pavithra R, Nirmala R, Manikandan D, Janani P, Ganga R, Aswini M, Suganthi A, Roshni G have attended the internship training at Sri Balaji Vidyapeeth Shri Sathya Sai Hospital during the period of May 21-25.
 - Divyasri R.M, Catherin Nivetha A, Priyadharshini G, Haripriya M, Tamilarasan R, Mohammed Thameezudhin, Thahseenasherin, Sudarson G, Dharani D has attended the internship training at Sri Balaji Vidyapeeth Shri Sathya Sai Hospital during the period of May 28- Jun 1. This training made the students to understand the biomedical instruments applications used in hospitals.
 - Rudhraprasaath PK, Harish B, Jagadeesh T, Williams Wesley, Saravanan S, Vignesh G, has attended the internship training at Sunshiv Electronics Pvt. Ltd., Coimbatore. For the duration of 11.6.2018 to 20.6.2018 has made the students to understand the basis of computer based PCB designing.
 - Karpagadevi has attended internship training at Multicare Hospital during the period of 12.6.18 to 15.6.18 which helped her to understand the Instruments used in Medical Industry.

MOU'S SIGNED:

- A Memorandum of Understanding is signed between Agni College of Technology and Biovision medical systems by Mr. M. Jaheerhussain CEO, biovision medical systems and Dr. R.S. Kumar – Principal, Agni College of Technology, in the presence of K. Venkatraman, managing partner-technical, Dr. Srinivasan Alavandar, Dean Academics, Dr. M. Kayalvizhi, HOD BME, Mrs. Kavitha Vijayaraghavan, Training Head and the biomedical faculties and biomedical faculties on 28 June 2018 at 10.30 am at our college campus.



PRIDE Activities:

- Our students have participated in online test conducted by Texas Instruments.

2. DEPARTMENT OF CHEMICAL ENGINEERING

Faculty Contributions:

- ♦ Mr.Naveen, Training Head, Meridian School of Oil and Gas, and Dr. Swaminathan from Sea Grass Technology, Karaikal have visited our department on 14.6.18 & 25.6.18 for the signing the MOU and for setting up of innovation lab which will train the students with adequate knowledge for industries.

3. DEPARTMENT OF CIVIL ENGINEERING

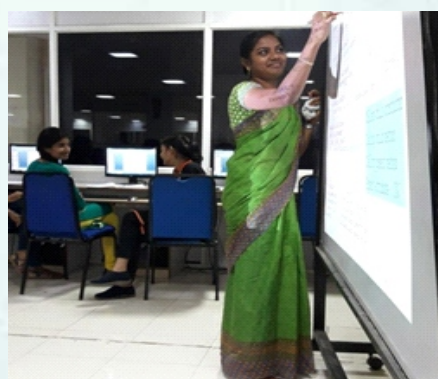
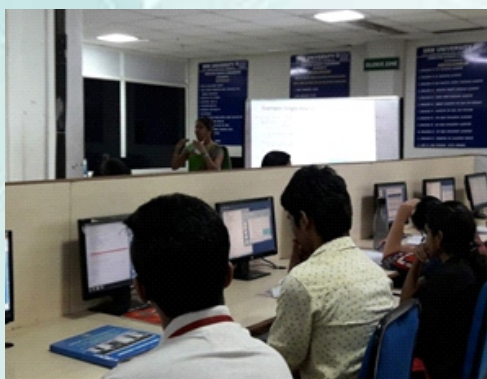
Students Contributions:

- ♦ Sappa Venkatesh / 3rd Year Civil has attended Internship on Powergrid Corporation of India Pvt. Ltd during the period of 26-05-2018 to 25-06-2018, which enhances his knowledge on Power transmission.
- ♦ Kalpita Mondal has attended an internship training at M/S Chandra Construction during the period of 28-11-2017 to 06-12-2017 which made her to gain experience about construction works.
- ♦ Abinaya G/Final Yr Civil has attended an internship training at Sri Hari Construction during the period of 31-05-2018 to 03-06-2018, which influenced him to get practical site experience.
- ♦ Ajith Kumar M, Sharath Kumar G, Mohammad Saleem / Final Year have attended their internship training at Navin Housing & Properties Private Limited during the period of 28-05-2018 to 13-06-2018 where they learned the basic of house(properties) building.
- ♦ Balasubramanian V R, Hemavathy A, Kressna Prasaad G/Final Year have attended their internship training at Puravankara, Sayush Construction, Sri Hari Construction during the period of 21-05-2018 to 23-06-2018, where they learned about the formalities and procedures carried out when the construction were going on.
- ♦ Kressna Prasaad G, Aravinthkumar B, Praveen S, Janani S, Shanmuga Mani Balaji P have completed their internship training at Chennai Port Trust and State Emergency Centre during the period of 04-06-2018 to 08-06-2018 where they learnt about the working of Chennai port and the activities involved in state emergency centre.
- ♦ Jeeves Vignesh / Final Yr Civil has attended his internship training at Satham Group of Construction, Vellore during the period of 28-05-2018 to 09-06-2018 where he learned about the building construction process.
- ♦ Susithra / Final Yr Civil has attended her internship training at Neyveli Lignite Corporation during the period of 11-05-2018 to 18-05-2018 where she learned the power generation using lignite.
- ♦ Lakshmi Narayanan K / Final Yr Civil has attended his internship training at Kais Builders during the period of 04-06-2018 to 07-06-2018 where he learned about the complete construction process.

4. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Faculty Contributions:

- ♦ Dr. S. Srikrishnan and Mrs. Jayanthi have attended a FDP on Data Analytics CEG Campus, Anna University on 11.6.18 to 18.6.18.
- ♦ Mrs.M.Jeyaselvi, Mr.S.Yoganand, Mrs.Abirami, Mr.S.Gopinathan, and Mr.S.Santhosh Kumar have attended All India Seminar on Python Programming for IOT, Workshop – by IET from 21.6.18 to 22.6.18.
- ♦ Mr.S.Yoganand attended a workshop on Introduction to Big Data Analytics at Vel Tech on 19.6.18 & 20.6.18.
- ♦ Angel G performs as an External Trainer on Python OOPS and Data structures At SRM University, Vadapalani.

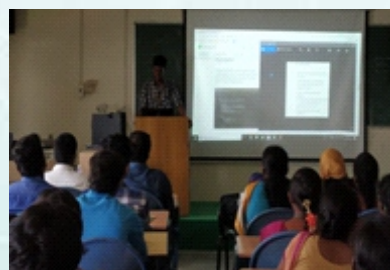


Angel G as a External Resource Person for “Workshop on Python OOPS and Data structures” at SRM University Vadapalani

Red Hat Certified System Administrator

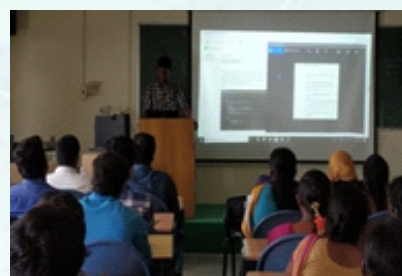


Technical Activity on Android & HTML 23.6.18 by III Year A Students



Journal Publication:

- ♦ J. Jenifa Sharon & Dr. Jani Anbarasi, AP, CSE, have presented a paper titled as "Diagnosis of DCM and HCM Heart Diseases Using Neural Network Function" in the International Journal of Applied Engineering Research ISSN 0973-4562.
- ♦ R. Lavanya & Jayanthi. S., have published a technical paper in "International Journal of Innovative Research in Computer and Communication Engineering".



Awards received by students:

Ms. Anusha. S, Ms. Varshini. R, Ms. Nandhini. R, Mr. Karthik Charan, Ms. Mahalakshmi. A, Ms. Dhivya. K, Mr. Balaji. S, Ms. Brindha. T, Mr. Chandrasekar. M, Ms. Priyavadhana S. R. have received RHCSA- global certification examination offered by Red Hat, in Linux System Administration from Red Hat Certified System Administrator for the duration of course completion 8.2.18 to 25.6.18.

♦ Internship training:

- ♦ Ajay Kumar S, Banu Priya K, Bharathi Kannan R, Daya Meenakshi B, Delip K, Hameed Badhusha Irfan F, Lingaraj N, Krishna Kumar have completed their internship training at 3 Edge Solutions during the period of May-25 to June 14 to learn on real time interface.
- ♦ Deepalakshmi K has attended her internship training at Srinsoft during the period of May-29 to June 29 where she learned about current modern softwares.
- ♦ Kumar Aditya has completed his internship in Dcrew from June 13 to June 23 where learnt about machine intelligence.

- ◆ Surendar.R attended 5 days workshop on UNIQ Technology and Shankari.A completed 10 days workshop in One Yes technology.
- ◆ Nandhini R ,Minaz Tanweer,Mathi Vathana M,Mahalakshmi A,Karthik Charan R,Kanna Kavya,Dhivya K,Brindha T,Anusha S,Anbarasi S,Amrin Thabasum MPooja Chellam M, Savietha S M,Varshini R have completed two week internship on 3D Edge solutions.
- ◆ Arockia Brightlin A,Manikandan R,Mathivathani K have completed their internship from NSIC - Technical Services Centre during 04.06.2018 to 08.06.2018 .
- ◆ Pooja K, Raja Gomathy S have done their internship at Trio Systems for the duration of 5 days.
- ◆ Ranjitha S J, Sona K have completed their one week internship from NLC from there they learnt the techniques of power generation.
- ◆ Sai Surya M learnt the working of southern railways digital systems through internship of duration 3 weeks.

PRIDE Activities:

- ◆ Ajay Kumar S,Banu Priya K, Bharathi Kannan R, Daya Meenakshi B, Delip K, Hameed Badhusha Irfan F, Lingaraj N, Krishna Kumar has completed their internship training at 3 Edge Solutions during the period of May-25 to June 14 to learn on real time interface.
- ◆ Deepalakshmi K has attended her intership training at Srinsoft during the period of May-29 to June 29 where she learned about current modern softwares.
- ◆ Kumar Aditya has completed his internship in Dcrew from June13 to June23 where learnt about machine intelligence.

5.DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Worksshops Conducted:

- ◆ Internet of Things- was taken place by Mr. V.S. Ramesh, Director, STEPS KNOWLEDGE SERIVES (P) LTD which enhances the various techniques on which the lot can be inculcated.
- ◆ Arun P., Sherbin W, Priyadarshini Babu, Jega priya J participated in the workshopStart-up mentorship program and 2nd round evaluation for CIAP 2018 organised by AICTE, New Delhi.



Journal Publication:

- ◆ Dr. Anita Titus, published a paper titled as COMPUTER AIDED DIAGNOSIS OF LUNG DISEASES USING KNN CLASSIFIER on IJESRT.

Awards received by students:

- ◆ A IV year student participated in Aditya Kondatam and she was awarded as "QUEEN OF DIGITAL MEDIA" .

Internship Training:

- ◆ 11 students from III year participated in the internship training of 7 days on NSIC- Raspberry Pi Applications.
- ◆ 4 students from III year completed their 4 days (11/06/18 to 14/06/18) internship froVI Microsystems Pvt Ltd- Embedded and IoT.
- ◆ 2 student from III year participated in the internship of 6 days (04/06/18 to 09/06/18)from NLC India Ltd- Telecommunication centre.
- ◆ 3 students from II year attended 5 days internship training from Chennai Petroleum Ltd.
- ◆ 2 students from II year completed their internship program from NIOT-Rosubduring the period of 3 days (14/06/18 to 16/06/18)

6. DEPARTMENT OF INFORMATION TECHNOLOGY

Alumni Talk:

- The department has organized an "ALUMNI Talk" on 23/06/18 Mr. Gowtham Chand has shared his experiences about latest trends in IT Industries.

Inauguration:

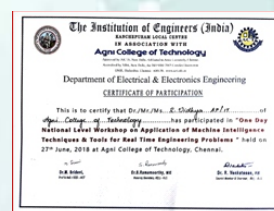
- The department has inaugurated the "IRIS Association" on 21/06/18 with the help of Mr.Ashok, Assistant Professor. Many of the students are willing to join the association.

Workshop:

- The department has conducted 2 days workshop in "PYTHON PROGRAMMING WITH IOT" on 21/06/18 & 22/06/18. Through this the students can able to learn python on concepts for IOT.

Training:

- This department has also delivered some training to junior students which is based on "Recent trends in Industry" at 23/06/18. At the end of this the students shared their industry connected ideas.
- Mrs. R.Vidhya, Assistant Professor has attended the training on "Application of Machine Intelligence Techniques & Tools for real time engineering problems" on this she learnt Techniques in Machine learning.



Guest Lecture:

- Dr. K.Sundaramoorthy, Head of Department has delivered the guest lecture on Internet of Things to the students on 21/06/18 to 22/06/18.

Workshop attended:

- The students of this department Dhivya.R, DhivyaBharathi.B, Athulya, Jayakumar, Nandhini.K, Jeevitha.R have attended Two days' workshop on Python Programming for IOT on 21/06/18 to 22/06/18.

Industrial Visit:

- This department has arranged Industrial visit for 2nd year students to "Sansbound Technologies" on 30/06/18 which has coordinated by Mrs.K.Pushpavalli, Assistant Professor and Mr.R.Vinoth, Assistant Professor.
- This department also arranged Industrial visit for 3rd year students to "Nixon Engineering" on 30/06/18 which was coordinated by Mrs.S.JerinaBegum, Assistant Professor and Mr.R.Viswanath, Assistant Professor.



Internship:

- This department students also attended Internship program on "Android technologies" at Uniq Technologies.

7. DEPARTMENT OF MECHANICAL AND AUTOMATION

- The students have participated in the online test conducted by Texas on 30.06.18

8. DEPARTMENT OF MECHATRONICS ENGINEERING

♦ Notable persons visited the department:

- ♦ Mr.Gopal, Manager from Super Auto Forge visited the department on 22/06/18 to discuss the progress about the project "Automatic weighing and separating machine". This project is being done by our students, faculty members of our department along with Super Auto Forge.
- ♦ Mr.Noor Mohammed, Manager, Prag Robotics visited the department on 27/06/18 to plan the various activities/events for this academic year based on the MOU between Agni and Prag.
- ♦ Mr.Sethuraman, Managing Director and Mr.Balaji, CEO from Prag Robotics visited the department on 28/06/18 to discuss about the Robotics training for our students.

Workshop Attended:

- ♦ 7 students from third year attended the one day national workshop on "Application of machine intelligence techniques and tools for real time engineering problem."

Industrial Visit:

- ♦ 15 students from third and final years visited the Trade Centre for the "International modern day exhibition" on 25.06.2018.

Internship:

- ♦ 6 students from third year attended 6 days internship program at Andrew Yule & Company Limited".
- ♦ 25 students from final year attended an internship / implant training program at various industries for a period of 6- 12 days.

PRIDE Activities:

- ♦ 14 final year students participated in the "Zappy Bug Bounty Program" – Hacking contest conducted by Agni PRIDE.
- ♦ 98 students from third and final year students attended "Texas Instruments Online Contest" conducted by Agni PRIDE.

9. DEPARTMENT OF MECHANICAL ENGINEERING

- ♦ 40 students from the Department of Mechanical Engineering has underwent internship training during the month of June in core industries
- ♦ Mr. Venkatachalapthy and Mr. Jayesh of final year Mechanical Engineering have successfully completed their project at ASHOK LEYLAND
- ♦ Mr. Venkat G surya, Mr. Sriram, Mr. Robin Alex and Mr. Vishnu shaji presented a project titled DIESEL VAPOUR STOVE in the international conference NATCON 2018
- ♦ Industry institute interaction: Head of The Department, Dr. R. Karthikeyan, has visited 4 core companies during the month of June for student's internships and projects.



10. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

GUEST LECTURE :

- Guest Lecture on the topic "EMERGING TRENDS IN POWER SYSTEMS" on 21.6.2018 for the students of Pre- Final and Final Year students of EEE Dept. Dr. M.Sridevi , HoD/EEE , welcomed the Chief Guest and the gathering by an excellent welcome address. The event was presided by our Principal Dr.R.S.Kumar and he honoured the chief guest.

Internship / In-plant Training (Internship Training) :

- N.PREETHA and V.SONIYA of final year DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING have successfully completed their Internship Training on Neyveli Lignite Corporation
- R.KESAVAN and K.PRAKASH KUMAR of final year DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING have successfully completed their Internship Training on TEDA
- R.KESAVAN and K.PRAKASH KUMAR of final year DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING have successfully completed their Internship Training on TEDA
- MUKUNTH.M, TAMIL MOZHIYAN.J and AGADESAN.D of third year DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING have successfully completed their Internship Training on TEDA
- G.GUNASEKARAN, P.VENNILA ,DEVI L.EMIMAL and E.ABARNA D of third year DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING have successfully completed their Internship Training on Bonfiglioli



GRAND ALUMNI MEET 2K17



Agni College of Technology, Thalambur, conducted Grand Alumni Meet 2K17 on 10th December, 2017, at the college premise. The meet opened with the registration of the Alumni followed by Video presentation on the innovative activities, progress and achievements of the college. The programme started with Thamizh Thai Vaazhthu and lighting of traditional lamp. Dr. M. Sridevi, HoD, Department of EEE, welcomed the gathering. Dr. Srinivasan Alavandar, Dean Academics, delivered the Felicitation Address. Dr. SRR Senthil Kumar, Principal, gave the Presidential Address and shared his memorable moment. Mrs. Bhavani Jayaprakash, Chairperson, gave the Felicitation Address. Mr. R.N. Jayaprakash, Managing Trustee, graced the function with his Special Address. Mr. R. Venkatraman, System Engineering Manager, GE Power Conversion, President of Agni Alumni Association and Mr. S. Srikanth, Technical Lead, Refrigeration & A/C Controls Division, Dantoss, Secretary, Agni Alumni Association were felicitated. Alumni were procured to make distinctive contributions to their alma mater and also to guide the current batches of students through guest lectures, seminars, and various other activities.

The later part of the session was sharing memories by the Alumni. It was a memorable time of the year again, when the alumni of ACT came back to their alma mater to reminisce their college days, to rewind back to the good old days, to remix their memories of golden days, to rejuvenate their old friendships and forge new ones. Cultural events and Special lunch was arranged during the meet. The function was attended by Alumni from various companies like IBM, Infosys, Renault Nissan, GH induction, Wipro, TCS, Virtusa, Flextronics, Zoho, Lanco Infratech, Edac Engineering Limited, Globalsoft, Super Auto Forge, etc. Prizes were given for the winner of the events. Awards such as Best Entrepreneur, Best Innovator, Best Technocrats, Agni's Idol of Social Media, Agni's Pride, were conferred through nomination. The Awardees were elated and felt proud at that moment. Alumni reunion dissolved with a promising note to meet again followed by emotional farewell. Ms. Kavitha Vijayaragavan, HoD, Chemical Engineering, proposed the vote of thanks. The function concluded with National Anthem.

தாழும்பூரில்

அக்னி கல்லூரியில் முன்னாள் மாணவர்கள் சந்திப்பு

திருப்போரூர், டி.செ. 11-
நாவலூர் அருகே உள்ள தாழும்பூர் அக்னி தொழில்நுட்ப கல்லூரியில் படித்த முன்னாள் மாணவ-மாணவியர்களின் சந்திப்பு நிகழ்ச்சி நடைபெற்றது. கல்லூரி நிர்வாக அறங் காவலர் ஆர்.என்.ஜெய பிரகாஷ் நல்லாசியுடன் நடைபெற்ற இந்நிகழ்ச்சிக்கு கல்லூரி முதல்வர் ஆர்.செந்தில்குமார் முன்னிலை வகித்தார். எலக்ட்ரிகல் மற்றும் எலக்ட் ரானிகல் இன்ஜினியரிங் துறை தலைவர் எம்.ஸ்ரீதேவி வரவேற்றார். ஸ்ரீநிவாசன் ஆனவந்தார் கல்லூரி வளர்ச்சி மற்றும் வேலைவாய்ப்பு குறித்து சிறப்புரையாற்றினார். நிகழ்ச்சியில் கடந்த 2001 முதல் 2010 வரையிலும் 2011 முதல் 2017 வரை படித்து முடித்த மாணவ-மாணவிகள் சுமார் 250க்கும் மேற்பட்டோர் கலந்து கொண்டு தாங்கள் கல்லூரியில் படித்த பொன்னான நாட்கள்,

Agni College of Technology

2017

தாழும்பூரில் உள்ள அக்னி தொழில்நுட்ப கல்லூரியில் முன்னாள் மாணவர்கள் சந்திப்பு நிகழ்ச்சி நடைபெற்றது.

நடந்த இனிய நினைவுகள் மற்றும் அனுபவங்களை சக மாணவர்களிடம் உணர்ச்சிபொங்க பகிர்ந்து கொண்டனர். முன்னாள் மாணவர்களை உற்சாகப் படுத்தும் விதமாக விளையாட்டுப் போட்டிகள், கலை நிகழ்ச்சிகளுக்கு ஏற்பாடு செய்யப்பட்டிருந்தது. வெற்றி பெற்றவர்களுக்கு பரிசுகள் வழங்கப்பட்டது. முன்னதாக முன்னாள் மாணவர்கள் சந்திப்பு நிகழ்ச்சியின் சங்கதலைவர்

ஆர்.வெங்கட்ராமன், செயலாளர் எஸ்.ஸ்ரீகாந்த் ஆகியோர் கவுரவிக்கப் பட்டனர். படித்து பல்வேறு உயர்நிறுவனங்களில் தற்போது பணியாற்றும் முன்னாள் மாணவ-மாணவியர்கள் மகிழ்ச்சியுடன் கலந்து கொண்டனர். நிகழ்ச்சியில் கலந்து கொண்ட அனைவருக்கும் சிறப்பு விருதுகள் வழங்கப்பட்டன. முடிவில் வேதியியல் துறை தலைவி கவிதா விஜயராகவன் நன்றி கூறினார்.

News Published on :
11th Dec, 2017
Dhinamani
News Paper

ACT - ALUMNI ASSOCIATION

About ACT Alumni

The students of Agni College of Technology hail from all walks of life and always carry bright memories of the ACT and its Campus, as it aims to promote a healthy, congenial and academically interactive atmosphere. The batch of students who pass out every year are doing extremely well in various walks of life both in India and Abroad. We indeed feel very proud of them. We are eager to know about the various contribution made by our alumni ACT-ians in their respective fields.

Message from President – ACT Alumni Association



R. Venkatramanan

President ,
Agni Alumni Association,
Batch 2001 – 2005 EEE

Manager – General Electric
Power Systems Engineering

Dear Friends!

It gives me immense happiness to see that Agni College of Technology had been the grooming ground for so many successful engineers spread across the length and breadth of this great nation and part of many successful multinational companies. As the saying goes the battles are not won by the generals but by the foot soldiers, I strongly believe the success of Agni College of Technology is mere aggregation of the success of every individual ACTians.

I sincerely believe that this institution is primarily built on 4 pillars, namely, Students, Faculty, Industry and Alumni. In my opinion, the value system that I personally cherish and established in the institution can be proliferated across the society only through the evangelization of the same by our Alumni spread across various corporate and demographics of this country. Every singly alumnus of Agni College of Technology has great potential to play the role of a change agent to bring about a extraordinary progress in the lives of the students of Agni by contributing in many ways.

Wishing each and every one of you all the very best.

Message from Secretary – ACT Alumni Association



S. Srikanth

Secretary,
Agni Alumni Association,
Batch 2001 – 2005 EEE

Manager – Danfoss (R&D)

Dear Friends!

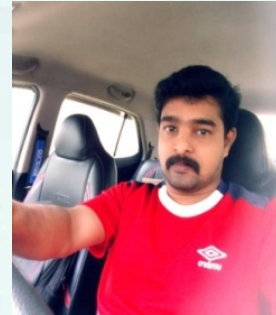
I take lot of pride that the tireless and highly motivated SECE faculty's relentless efforts, have been bearing fruits in terms of contributing responsible citizens to the country, valuable engineers to many corporate and great motivators to the current students pursuing their engineering degree. I am confident that each one of you will contribute to the maximum extent possible with an objective to help the current and future students of this institution and build a community around the Alumni association.

Wishing you all the very best in life.

Best Agni alumni



Mr. Bala Murugan.A
2008-2012 CSE
Senior Software Engineer
Astrazeneca Solutions



Mr. Edwin Godson
2008-2012 EEE
Entrepreneur
Abraham Business Solutions



Mr. Pratheep Kumar JP
2010-2014 EEE
Indian police Service



Ms. Yamini Priyanka.P
2012-2016 CSE
Technical Analyst
Concentrix Solutions



Mr. Pragadeeswaran.K
Cura Healthcare
2014-2018 BME

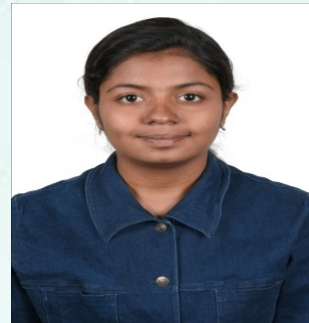


Mr. Saravanan M
Cura Healthcare
2014-2018 BME

Best Agni alumni



Mr. Vignesh Adhithya
M.S (Mechatronics)
De Montfort University
Leicester, UK
2014-2018 MHT



Ms. Vyjayanthi Mala
GET
Haritha Techserv TVS
2014-2018 MHT



Mr. Sathiyaseelan T
Director & Head, VALEO India
2001-2005 ECE



Mr. Pranamya P G
Software Engineer
CSC India Ltd
2011-2015 ECE



Mr. Sivaramakrishnan C.J
Associate Engineer
CTS
2005-2009 IT



Mr. Sree Dakshana
Leeyo Software Ltd
2012-2016 IT

Best Agni alumni



Mr. Kaushik Kulshreshta
MS, University of North Carolina
2012-2016 Mech



Mr. E. Karthi
Design Engineer
Malles Automated and Robotics Ltd
2013-2017 Mech



Mr. Kabilan
Junior Research Fellow
Structural Engineering Research
Centre ,Chennai
2011-2015 Civil



Ms. Subashree
Planning Engineer
RWD Construction
2014-2018 Civil

ALUMNI HUNTZ

My career progression since graduation

I have completed my B.E Mechanical Engineering in the year 2017. After graduating from AGNI COLLEGE OF TECHNOLOGY, I got placed in TUBE PRODUCTS OF INDIA, AVADI. It has given a good start for my career. Since I have done my projects based on automobile field, it helped my career to move forward and do my work with great ease.

Qualification and my career

AGNI COLLEGE OF TECHNOLOGY is a reputable institution, I know that whatever job or profession I will pursue next, my alma mater is a good name to have on the CV.

Greatest professional achievement

I went to the company as a neophyte but I tried my best to learn about the company and their products. As a result, my colleagues and supervisors readily accepted me as a team player of the Quality department. I was humbled by the kindness of my colleagues, the random gifts and the way in which they helped me in whatever problem I was drowned in. I believe that regardless of where you are and which culture you are interacting with, if you are open minded to learn, you can work anywhere.

First relevant role related to the career

I used to get inspired by the stories of our college Professor who had worked earlier for a reputed automotive firm. I was strongly driven by those stories and gradually became passionate about automobiles and this eventually threw me into TUBE PRODUCTS OF INDIA. So, it all started with some advice..

Inspiring teachers

I have got inspired by many of our faculties here, I would like to name some with whom I got closely acquainted during my years of study.

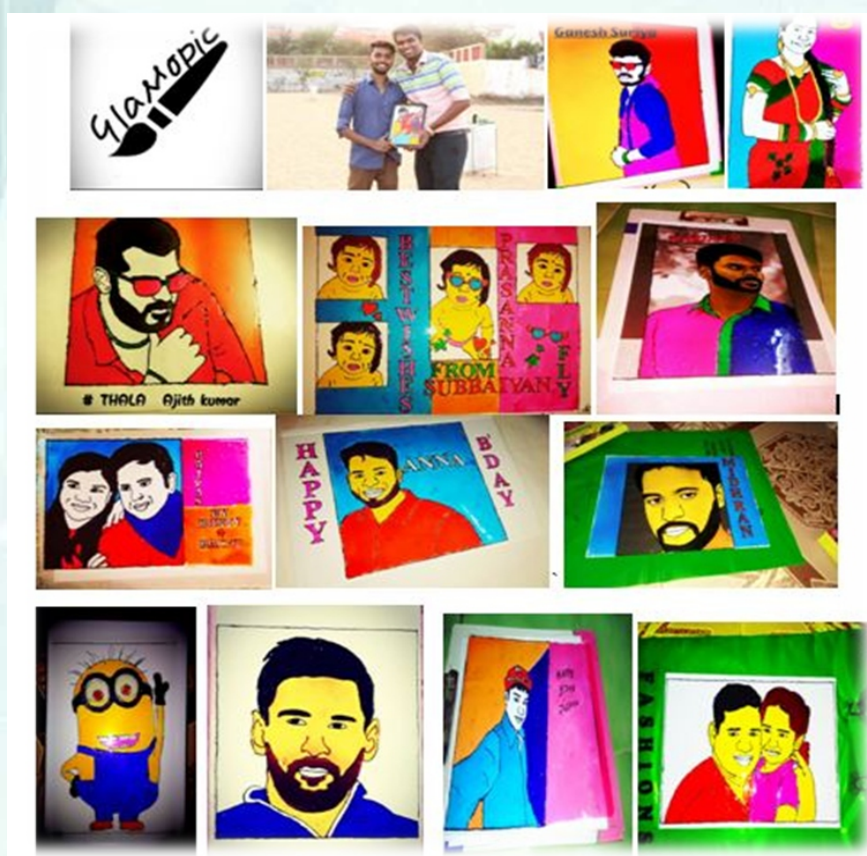
Mr. ELWITH (Asst.Prof)

Mr. T.N.SURESH KUMAR (Asst. Prof)

Dr. R.KARTHIKEYAN (HOD).

START UP

I started doing paintings, while I was studying. And I earned more than 5k rupees per month. I got more than 50 orders month. I have started a new website named GLASSOPIC which got 4.7 ratings out of 5. I started this website for part time, but now it has reached many people.



These are some of the completed orders I received.

Advice for others who are about to start at ACT

My mantra is to treat everything as an adventure not a challenge. A challenge is difficult and you fear what is going to happen. If you are on adventure, you are learning about yourself and the world around you. So, you can and should embrace the randomness.

Interact with teachers and follow the instructions what they are giving and move forward. Learn about new innovations and projects, develop your thoughts and share your ideas and innovate to be successful.



BOBBY KURIYAN.P.N.(B.E)



Project Freedom



Report



Agni Foundation is a non-profit organization that has been established with a motive - To serve those who are truly in need.



As we have observed from primary research as well as from the various surveys and findings published by the Ministry of Human Resource Development (MHRD), Government of India there is a steep increase in the number of students that drop out after 12th standard, due to the expenses involved.

The aim therefore is to provide good quality education to deserving students and improve their future as well as provide the country with an educated taskforce.

To foster the values that we as a foundation stand for, namely- passion, integrity, respect and independence in our students, and to make education a medium for transformation; these are what motivate us to make this project a reality.

In order to achieve its goal of providing free education to underprivileged students through Project Freedom, Agni Foundation performs a study of the dropouts from various colleges. It analyses the reasons for the decision taken by students to drop out from college. In most cases the cause is lack of finances. Agni foundation then analyses the expense incurred by students in pursuit of higher education and also looks at the financial backgrounds of these students. A gap



between the cost of education and the students ability to pay is identified. In such genuine cases, the foundation awards scholarships to these students. This is contingent on their academic performance. Good performers who are unable to sustain the financial pressure of higher education are funded by the foundation. that there are people like you who share the same thoughts of walking another extra mile yet again, for these people.

Agni Foundation would like to join hands with people and walk the extra mile to reach out. We intend to expand the horizon of institutions enabling them to render their service to a large number of people. This expansion is possible through the medium of technology.

TIE UPS

AGARAM FOUNDATION

AGARAM IS ONE SUCH INITIATIVE THAT AIMS TO PROVIDE QUALITY EDUCATION AND EQUAL OPPORTUNITIES TO THE UNDER-PRIVILEGED CHILDREN. AGARAM, WHICH DENOTES "A", THE FIRST LETTER IN ALL LANGUAGES THRIVES TO BRIDGE THE GAPS IN PROVIDING HIGH QUALITY EDUCATION, FOR THE RURAL CHILDREN FROM INTERIORS PARTS OF TAMILNADU.



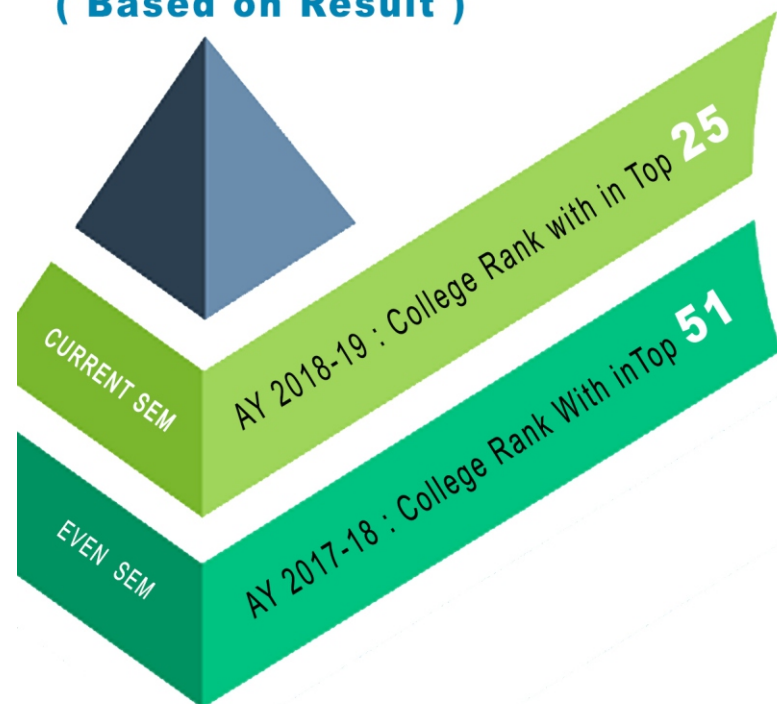
MAATRAM FOUNDATION

MAATRAM FOUNDATION THROUGH WHICH FREE HIGHER EDUCATION IS GIVEN TO DESERVING STUDENTS FROM ECONOMICALLY DEPRIVED BACKGROUND. VARIOUS EDUCATIONAL INSTITUTIONS PARTNERED WITH THE FOUNDATION GIVE FREE ADMISSIONS WHICH INCLUDED NOT JUST THE TUITION FEES BUT ALSO THE TRANSPORTATION CHARGES, HOSTEL FEES (WHEREVER APPLICABLE), FOOD EXPENSES, BOOKS & STATIONERY EXPENSES.



To be one among the top institutions in the country by creating and nurturing an enterprising spirit among the students and help them to grow as professionals.

Anna University **College Ranking** (Based on Result)



CURRENT **TARGET** **Top 25** **University** **Result** **Rank -TN**



Agni College of Technology

Estd. in 2001

Affiliated to Anna University, Chennai.
Approved by AICTE, Accredited by NBA, New Delhi.
ISO 9001:2015 Certified Institution

OMR, Chennai