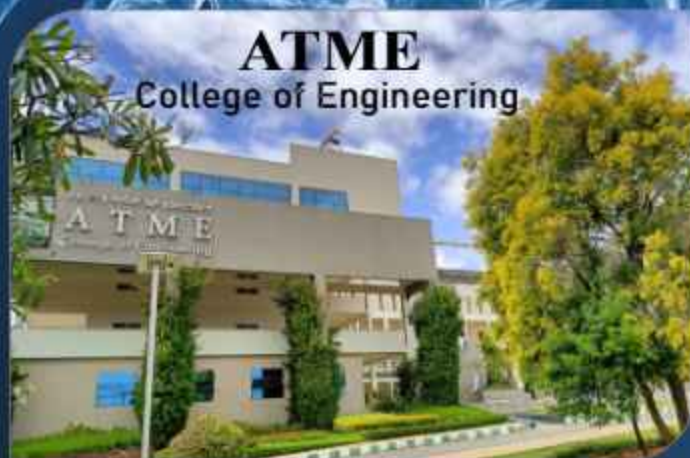




# DYNAMICS

COLLEGE  
MAGAZINE

2021  
VOLUME 8



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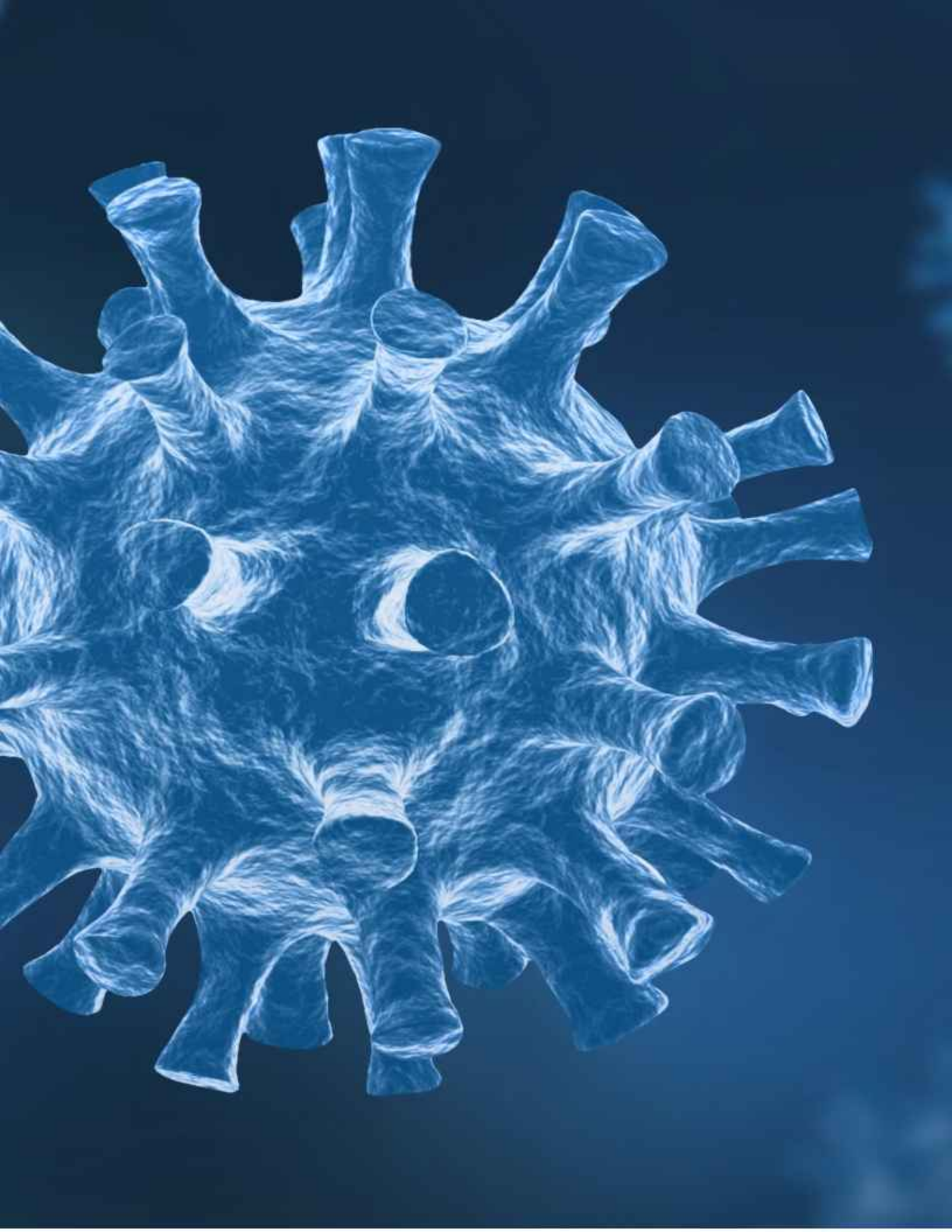
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**Dr. Basavaraj L**  
Principal, ATMECE





# COVID-19

December 2019, outburst of virus belongs to SARS family shook the world at very first time in the Wuhan provenance, Republic of China. The world is staged to celebrate the Christmas and in the edge of welcoming the new year 2020. No one took it serious at the beginning regarding what happening in the China.

But when things start getting bit complicated and people who got affected with the virus start losing their lives, Governments and leaders across the globe start to look at the issue much seriously and worried about the happenings.

When China imposed the lockdown in the Wuhan City, people recognized the severity of the disease. Soon the virus hit the entire world and forcing the entire world to kneel in-front of it. People started to lose their lives at one side, on the other hand people are hit by loosing their jobs due to imposition of lock down.

The doctors, nurses, the hospital staffs work relentlessly in-order to save the lives of the people. The Scientists, pharmaceutical industry work day in and day out in-order to bring out a vaccine for the Covid disease. In a record braking time, the scientist could able to bring about the vaccine for the Covid-19. However, every country could not able to offer the timely need of the vaccine due to poor economic state.

India played vital role in the distribution of the Covid-19 vaccine to the entire world. India extended her helping hand to the poor countries as they can't offer huge price in buying the much-needed vaccine to save the lives of their countrymen.

The Covid-19 took the lives of millions of people across the world and disturbed the lives of billions. It not only created a problem it also created opportunities and also taught us the way we need prepare for the future pandemics or similar crisis in future.

Many organizations, societies extended their helping hand at the darkest hours of the pandemic especially at the time of lockdown. Even ATME College of Engineering has extending its helping hand to the district authorities in its fight against COVID by donating 75 No of Semi fowler bed worth Rs.10.18 Lakh to take care of COVID 19 patients. Also, College organized vaccination drive for the benefit of its students and staffs. College follows the guidelines as laid down by the GOI in order to curb the spread of Covid-19. Even at the toughest times the college staffs quickly switched onto the new teaching mode through MS Teams and continued to deliver quality teaching and maintain the learning process intact even at lockdown period.



Even now the pandemic is not yet over. It taking the new dimensions, new variants are coming up with mutations and still causing the threat to the mankind. Its up to us to face it boldly by taking precautions and following the guidelines issued by the government or health department from time to time. Also, we should take good care of our family members and look ahead in strengthening our economy and extended our hand building the strong Nation.

**- Editorial Board**

## Mr Arun Kumar L Chairman



### Message

It gives me great pleasure to convey my best wishes for current edition to DYNAMICS, the annual college magazine of ATME College Engineering.

College Magazine is a mirror to the youth mind. I am proud to see that our students are not just academically good but also sound at literature, poetry, art work, photography and sensible to social issues.

We, at ATME College of Engineering are committed for the development of academically excellent, culturally vibrant, socially responsible and globally competent human resources. I am sure that the contents of this magazine complement. I hope this this magazine will provide us the benchmark for continued improvement in all-round development of the college.

This magazine should be a source of guidance for faculty and prospective students in selecting activities of their interest in building their careers.

The entire editorial team of DYNAMICS deserves appreciation for their creativity, ingenuity and dedication in bringing out this great work.

# INSPIRATION



## **Dr Basavaraj L Principal**

### **Message**

ATMECE has emerged as a prominent institute offering quality engineering education. All round continuous constructive changes in infrastructure and academic standards have helped us to build a brand name. We are able to achieve an enviable position due to the concerted efforts by the committed students, dedicated staffs and caring pragmatic management.

On behalf of Management and everyone, I wholeheartedly thank the editorial team of "Dynamics" for their untiring efforts in bringing out "Dynamics" 2021.

I wish the readers a happy reading.

**Dr Basavaraj L**

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# EDITORIAL DESK

## Greeting From The Editorial Committee.

To begin with, I wish to express my sincere gratitude to Chairman, Mr L Arun Kumar, who bestowed responsibility of a Chief Editor for the current time. On acceptance it was our ultimate goal to bring out the current issue in the enviable form. We stepped on to job by inducting the Student Coordinators, representing all branches, for the editorial team. At the new ideas, suggestion and enthusiasm of young minds, added to the vision of the editorial board has not only given a New look for the DYNAMICS but also magnum benefits. To reach and to be in touch with Alumni, a new section 'ALUMNI VOICE' has been introduced. I am convinced that each one has something wonderful to tell us and inspire youngsters.

DYNAMICS provides a Petrichor of the cultural, academic, sports and literary achievements of the college during the academic year. I would like to express my considerable appreciation to all authors of the articles in this issues DYNAMICS. This is truly literary & creative document of the talents of students.

I Thank the Whole hearted supports from Editorial team members at all stages. And the exceptional efforts of the Editorial team which are behind the success of this issues. I sincerely thank the Management, the Principle, Heads of all the department and all my colleagues.

It is My privilege to present one of the prestigious products of ATME to the intellectual minds.

## Editorial Committee

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Dr L Basavaraj  
Principal

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Dr. Puttegowda D  
HOD, CSE

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Dept of BSH

Mr. Pavankumar K P  
Dept of ME

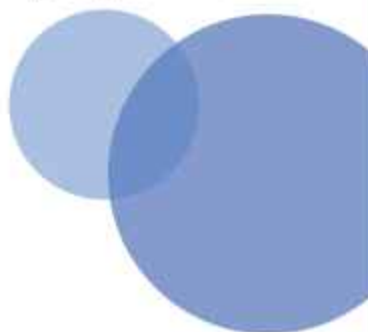
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Dept of CV

Mr. Pradeep  
Dept of ECE

Mrs. Lavanya N  
Dept of CSE

Mr. Nagappa T N  
Dept of CSE



# DEPARTMENT OF BASIC SCIENCE

## DEPARTMENT OF PHYSICS

Science is the basis for Engineering & Technology. The present technologies are due the contribution and discoveries in science. The discoveries in science are gradually upgraded and transformed in to technology over decades. Technology is built on the pillars of Science. Physics is a branch of science which deals with nature and broadly we can say its the "nature". The events in the nature are understood through the careful observation and logical reasoning. Department of Physics was established in the year 2010 with a optimal infrastructure and decorous learning ambiance. The working area of the department is 275 sq.m consisting of well equipped and spacious laboratory, dark room facility for optics experiments, best quality modular experimental setups and necessary IT infrastructure. The department has individual space for HOD

and Staff. Department of Physics offers training in Engineering Physics and Engineering Physics Laboratory, conforming to the VTU Curriculum, to the students of first year engineering pertaining to all programmes.

The staff of the department are highly involved and dedicated. The department works as a unit and strives to achieve the academic welfare. The department also thrives to nurture the skills in students. The average work experience of teaching staff of the department is around 15 years. Department of Physics is practicing OBE by incorporating various contemporary concepts like flipped classroom, virtual class room and online classroom in addition to the conventional classroom. Department has ingeniously designed and setup most experiments making it easier for the students understand the physical concepts precisely. The Department of Physics has established a research center

engineering education. The events are decided by taking suggestions from faculties, HoD's, Principal and Management. Based on the suggestions 6 events are finalized. They are (1) Science Quiz (2) Technical Project (3) Pencil sketch (4) Spot Photography (5) Essay Writing (6) Poster Presentation. The participating students are rewarded with cash prize and certificate. Also, it is decided to celebrate "Open Day" for the visitors.

Around 700 students from various PU colleges from Mysore, Mandya, Chamarajnagar and Kodagu district participated and made the event successful.



# *DEPARTMENT OF CIVIL ENGINEERING*

**C**ivil Engineering, considered as one of the oldest engineering disciplines, encompasses many specialities. Civil engineers will Design and Supervise in construction of Roads, Buildings, Airports, Tunnels, Dams and Bridges, Water supply and Sewage systems.

The Civil Engineers' positions range from supervisory to administrative job, from Site engineer to Project managers, from design and analysis to construction works.

The major specialisations within civil engineering are Structural Engineering, Environmental Engineering, Water resources Engineering, Construction Technology, Transportation Engineering and Management, Infrastructure Engineering Management, Geo-technical engineering, Remote Sensing and GIS, Highway Technology, Computer Aided Design of structures.

The Civil Engineering Department was

established in the year 2011.

The department offer B.E program in Civil Engineering with a yearly intake of 60 students. A group of qualified faculty and adequate experience is the highlight of the department. The department has qualified faculty members occupied with educating and research having perfection in various fields. The faculty members are youthful, dynamic and prepared to meet the academic needs of undergraduates. A number Faculty Development Programs are conducted regularly to inculcate the technical skills, soft skills and the research. Further, the department encourages the students to participate in external and internal conferences, workshops, invited lectures and seminars along with extra-curricular/co-curricular activities like technical fests, sports/games, cultural fests, Annual Alumni Meets, to ensure overall development, nurturing of team spirit and organizational skills.

The objective of the B.E graduate program in Civil Engineering is to give the undergraduates great comprehension of civil engineering arrangements in a global, societal and ecological setting, steady with the standards of sustainable improvement. The course will make the undergraduates capable Identifying, planning and taking care of civil engineering problems that meet indicated execution, cost, time, well being and other quality needs and objectives with proficient and moral responsibility.

Department also actively engages itself towards enriching career path of the students. The department in association with EPC Prominent,BAI, IGBC organises internship , workshop , seminars for the students also works in close association with Training And placement department. Department actively participates and encourages the students to participate in Placement and E-cell activities. We take the pride in the fact that significant number of students who are alumni now own their own businesses , thus producing the result for our efforts.

## Department Activities

### “Webinar Series on “Design, Construction Practice & its Management”

Department of Civil Engineering of ATMECE organized webinar series on Design , Construction Prctace and its management on 14th-18th July 2020, at ATMECE premises. On this occasion, Mr. Kushal S Structural Engineer VISDA, Mr. Rahul Deshur ,Proprietor Construction Consultants.Mr Girish P Asst Professor DSATM , Bangaluru., Mr Dilip S ,Assistant Manager L & T Mysuru, Mr Shreedhar Revankar Technical Service Manager, Master Builder Solutions Infrastructures chairman for smart cities, GOI Adviser to GOK for traffic and transport infrastructure, Chief guest Dr. L Basavaraj, Principal ATMECE, Mr. Manu Vijay, Head, Dept. of CV, Conveners Mr. Rudresh A N & Mr. Srivathsa H U Asst. Prof, Dept. of CV, Staff and over 50+ students were present at the inaugural function.

### Report on “Career Guidance for Civil Engineers”

Department of Civil Engineering organized a talk on “Career Guidance for Civil Engineers” on 18th June 2021 for 6th & 8th semester students through virtual mode with an objective of motivating young budding Civil Engineers.

Resource person during the presentation explained the importance of internship training for a Civil Engineer. She also discussed about the soft skills and technical skills required for an Employee.



## Report on GTTC Visit

GTTC Mysore Centre has equipped with various laboratories under “Centre of Excellence” in collaboration with SIEMENS company. These laboratories are useful for engineering students from different branches to learn the subject with more practical experience and beyond the syllabus. This helps to enhance their knowledge in their respective domains.

In addition, GTTC offering skill-based training programs for students from different branches at various levels. In view of this, a visit is arranged for faculty from different departments on 06th November 2020 (Friday) to get information and to observe the various training facilities available at GTTC for our students. In this regard, the following staff members visited the training center.

The staff members visited various laboratories includes Product design and validation Lab, Advanced manufacturing lab, Test and optimization lab, Metrology lab, CNC Machine and Rapid Proto typing lab, Renewable Energy lab, Internet of Things (IOT) CNC control Lab, DIAS Lab.

Laboratories related to electronics branch students are automation Lab, Mechatronics Lab, Process instrumentation Lab, Basics of PLC, basics of SCADA HMI and Networking labs are also visited.

The overview of the various lab set ups at the training centre are briefed at the conference hall by the respective lab heads before visiting those laboratories for detailed discussions



## Report on “Extensive survey”

As a part of curricular, the extensive survey for 5thsem outstanding students was conducted near ATMECE, campus in a different terrain comprising of both flat and gradient land. Department of Civil Engineering conducted Survey Camp for 3rd year student of Civil Engineering and as compulsory part of the University academic curriculum for 5th semester. The camp was conducted for duration of 7 days near ATMECE campus from -----2021. This Camp was aimed to groom Civil Engineering students with essential knowledge and to expose them to the real work, and also to encourage leadership and teamwork skills. This Survey Camp resulted in encouraging and supporting students, emerging as leaders in several areas of academic provision



# *DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING*

**T**he Department of Computer Science & Engineering started in the year 2010. It is a evolving academic centre for higher education, research and novel in the key areas of Computer Science. It has been imparting quality education to meet the technological advancements and industrial requirements. The strength of students are progressively increasing every year and this is possible due to qualified and experienced faculties with excellent academic delivery process imparted. The first initiative taken by the department is “Computer Society of India - Student Branch”, which is a professional body at National Level, in the year 2012, all the students have got enrolled as a members to this branch. The department has obtained CSI institutional membership and maximum teaching faculties have become CSI life members and platform is provided for the students to enhance their technical skills by participating in various events

conducted under this professional body.

MOU has signed between Geekslab Technologies Pvt. Ltd., Department has Centre of Excellence in networking - CISCO, by providing CCNA Certification to students in networking and all final and pre final year semester students have done internship under this programme. The Department has got library, which believes in sharing of knowledge in the form of books, the most novel way of building the young mind by technical and ethical knowledge for students.

Department also conducts various workshops, technical talks, and CSI events to students to up skill their skills. Technical training and Aptitude training is delivered to students to improve in their placement activities. Students have published various papers on project and have been awarded the best paper presentation. Students actively involved in hackathons, sports, cultural and many inter college events and have bagged prizes.

## Webinar on Latest Technologies

Department of Computer Science & Engineering had organized Three days webinar on “Latest Technologies” from 9th July to 11th July 2020 virtually for faculties and students. Eminent speakers from various institutions were invited as resource persons.

Day 1 (09-07-2020)	Day 2 (10-07-2020)	Day 3 (11-07-2020)
		
<b>Dr. Gururaj K.S.,</b> Associate Professor, Dept. of CSE, GSSSIETW, Mysuru	<b>Dr. Andhe Dharani,</b> Professor and Director, R.V. College of Engineering, Bengaluru	<b>Ms. Nagalakshmi T.S.,</b> Assistant Professor, Dept. of EIE, GSSSIETW, Mysuru
<b>Topic:</b> Introduction to Cloud Platforms	<b>Topic:</b> Data to Big Data & Decision Making using Machine Learning	<b>Topic:</b> Introduction to Artificial Intelligence & its Tools

## Webinar on Unlock your data with data

Department of Computer Science and Engineering of ATME College of Engineering, Mysuru organized a Webinar on “Unlock Your data with Data on 20th July 2020 from 11:00 A. M to 1:00 P.M under CSI Student Branch. Hemanth Kumar A, Data Science Consultant, Rubixe Technologies Pvt Ltd, Bangalore was the resource person.



## Technical talk on Pervasive Computing

Department of Computer Science & Engineering had organized a Technical Talk on “Pervasive Computing” on 19th NOV 2020 virtually for faculties and students.

**Resource Person:** Dr. Srinath S - Associate Professor, Dept., of CSE, SJCE, Mysuru.

**Topic Delivered:** Pervasive Computing.



## Technical talk on NLP

Department of Computer Science & Engineering had organized a Technical Talk on “Natural Language Processing” on 30th Sep 2020 virtually for faculties and students. **Dr. Prathibha R J**, Gave an brief overview on natural language processing followed by development of some primitive modules that are prerequisite for the design of Parts of Speech (PoS) tagger for English language. Chosen English as the natural language for which parts of speech tagger is developed, linguistic background of English language was also explained with examples. **Mr. Amom Nandaraj Meetei**, Gave an brief overview on the topic entitled “Chunking for Indian Languages”. He started his lecture primarily placing a focus on the definition of chunking and its implied perspectives in NLP. The process of annotating tagged tokens with structures in a non-hierarchical and non-recursive way is Chunking. Logically, there must have only one HEAD surrounded by modifiers within a chunk. Identifying the head in chunk is a challenging task.

### RESOURCE PERSON



**Mr. Amom Nandaraj Meetei**

Resource person at Linguistic Data Consortium for Indian Languages (LDC-IL) at Central Institute of Indian Languages (CIIL), Mysore.



**Dr. Prathibha R J**

Assistant Professor in the Department of Information Science and Engineering, JSS Science and Technology University (formerly SJEC), Mysuru.

## Webinar on Industrial Application of NLP: A Case Study of Text Classification

Department of Computer Science & Engineering had organized a webinar on “Industrial Application of NLP:A Case Study of Text Classification” on 28th November 2020 virtually for faculties and students.

Dr Bharath Bhushan , gave detailed description on Text classification and NLP.Also explained the applications ,challenges of NLP, text mining and a case study of text classification using ML. There was a practical demo IN Jupyter tool using datasets using algorithms. NLP is a branch of Artificial intelligence and Machine learning. Text classification is done using rule based approaches which uses machine learning and deep learning techniques. Initially Text mining or classification transfers the unstructured data into structured data and analyse the data to extract the required information. The resource person took example of Alexa and explained how google assistant works using human speech which also deals with NLP.

## Webinar on Shaping your career in IT

A Webinar on "Shaping your career in IT" was conducted in Computer Science and Engineering Department for 2nd, 3rd & 4th year students.

<b>Resource Person Name</b>	<b>Uday Seshadri</b>	<b>Kushal M K</b>
<b>Designation</b>	Quality Assurance Specialist	Principal Cloud Engineer
<b>Company</b>	Booktopia, Australia	Emerson, Australia

Day 1 & Day 3 was handled by Kushal M K; Day 2 was handled by Uday Seshadri. Day 1 & Day 3 was handled by Kushal M K; Day 2 was handled by Uday Sheshadri. Resource Persons highlighted about the top 10 Highest Paid IT Jobs in India to name a few , Data Scientist, Machine Learning Expert, Block chain Developer, Full Stack Software Developer. He explained what a student should do to prepare for such roles, Being Prepared for IT Jobs, Being Aware of all the IT concepts, Eagerness to learn something new, Finding out which domain you enjoy working in. (Most Important Step and Difficult as well), Getting good scores in Engineering, Focusing on 360 degree learning, Being Self sufficient, Helping each other and Growing as an individual. Both the resources person emphasised on Top Programming Languages to be learnt by Student, to name a few, Python, Kotlin, Java, Javascript/NodeJS, Typescript, Go Lang.

## Workshop on Database Application Development

Department of Computer Science & Engineering had organized a webinar on "Database Application Development" on 23th and 24th December 2020 for students.

**Day 1:** Explained JDBC process. Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database.

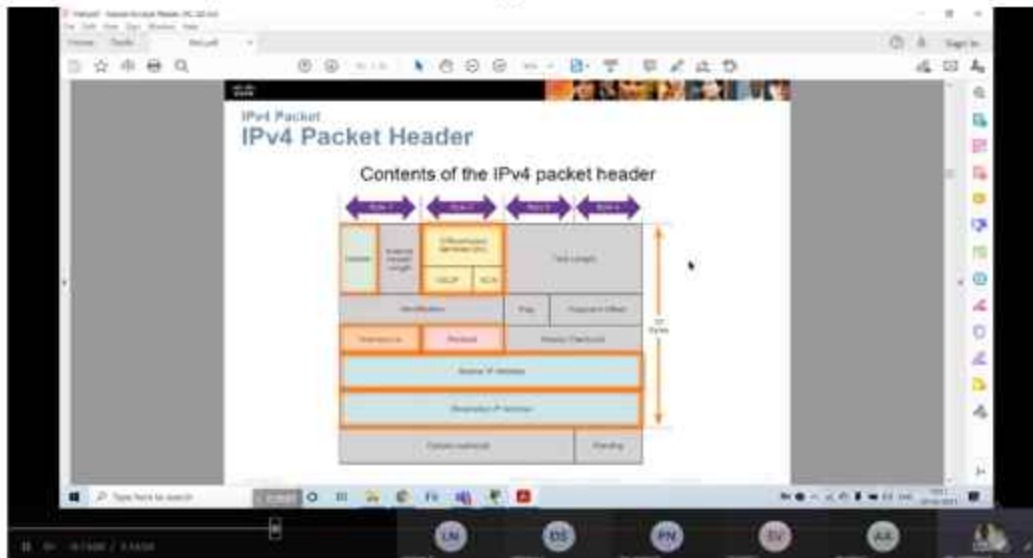
**Day 2:** The Day two session started with PHP scripting language .PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites and focused on PHP syntax and semantics are the format and the related meanings of the text and symbols in the PHP programming language.



## NETWORK-KING

The Department of Computer Science and Engineering of ATME College of Engineering organized five days FDP on “Network-king” from 05/04/2021 to 09/04/2021. The resource persons were Mr Anil Kumar and Mr Kiran B, Assistant professor, ATMECE. This course is designed to impart knowledge about detailed knowledge of Computer Networks, various protocols used in Communication, Managing and configuring Cisco Switches and Routers and various WAN technologies.

The Department of Computer Sciences Engineering had signed MoU with CISCO Systems, Bangalore on 21-01-2018. The CISCO center of excellence on Advanced Networking available in the department provides world class networking infrastructure. The faculty members have been constantly trained by CISCO Networking Academy, to offer the latest industry relevant networking curriculum.



## IMPORTANCE OF DATA SCIENCE IN MODERN WORLD

The Department of Computer Science and Engineering of ATME College of Engineering organized a webinar on the topic “Importance of Data science in modern world” on : 22/06/21. The resource person was : Mr Shashank S , an Application Specialist, Koch Business Solution. This webinar was organized to impart knowledge about data science in modern days for students. Data science is an important field focused on understanding and drawing specific business, financial, manufacturing and medical research and forecasting. The data science process is about analyzing, visualizing, extracting, managing and storing data to create insights from analytics. These insights and reports help companies analyze their marketing strategies, make powerful data-driven decisions and create better advertisements. Easy access to continuously growing sets and data is possible in collaboration with financial technology companies, who use technology to innovate and enhance traditional financial products and services.



## WEBINAR ON 5 SECRETS FOR A GREAT CODING CAREER

Department of Computer Science & Engineering in Association with Practico organized live webinar on “5 Secrets for a Great Coding Career” on 25th June 2021 at 10:00 AM virtually for students. The speaker was Atish Jain an Entrepreneur. The speaker said these are the 5 Secrets for a Great Coding Career; Programming is all about logic, syntax patience, faith in yourself, thinking and respect your efforts. Speaker was of the opinion that these are the 5 reasons why an Engineering Student should learn C Language, According to Atish Jain, C Language is considered as Mother of all Modern Programming Languages, Best Language for building strong Programming Logic, no prior knowledge of any language, preferred language for campus selections, suitable for competitive programming.

## CAREER PATHWAY & STUDY ABROAD OPPORTUNITIES

The Department of Computer Science and Engineering of ATME College of Engineering organized a webinar on the topic “CAREER PATHWAY AND STUDY ABROAD OPPORTUNITIES”. The Objective of the webinar was to help aspiring students to acquire a challenging engineering career in life. Webinar session was conducted on June 23, 2021 from 3:30 pm to 4:30 pm.

The Speaker of the webinar was MsNandini M, Team Leader @ AECC GLOBAL. She gave an Overview on the Importance of Education, also provided insights on career prospects. She also spoke about the studies in Abroad. She mainly discussed about some of the topics that are mentioned below,

- 21<sup>st</sup> Century - Importance of Education
- Mentorship
- Our belief
- Why study abroad
- Who are we
- Our study destinations
- Student spotlight
- Important Facts
- Expenses and ROI
- Conclusion

## HACKFEST -2021

Department of Computer Science & Engineering had organized 2 days National level hackathon (online) from 2nd to 3rd July 2021. There were around 43 groups with each group had 2-3 participants and entire process was conducted in online mode. Several participants came from eminent institution across the nation. The goal of a hackathon is to create functioning software or hardware by the end of the event. Hackathons tend to have a specific focus, which can include the programming language used.

The cash prize of rupees 8000 for the first place and rupees 4000 for the second place was awarded to encourage the students to participate in the events. The E-certificates were also provided to all the registered participants. The main objectives of the events were to provide space for the students to showcase their technical skills and also provided a platform for creating solutions for social causes, to inculcate teamwork spirit among the students.

### Day-1

Chief Guest: Dr. Saranya, customer success manager GUVI chennai

Guest of honour: Mrs.Sahana ramesh, business management professional Sony India

### Day 2

Chief Guest: Smt. K A Anithavenkatesh, state student co-ordinator CSI Karnataka

Guest of honour: Prof. Mohamed Minaz, chairman CSI Mysore

### The winners of the events were as follows:

	<b>Team</b>	<b>Participants</b>	<b>Institution</b>
Winner	Coding Geeks	Their zephaniah, Nithinkumar, Soumya surrender	Indian institute of information technology and management, Gwalior
Runner	Buzzinga	Goutham M, Dhanjaya S	KSIT, Bengaluru

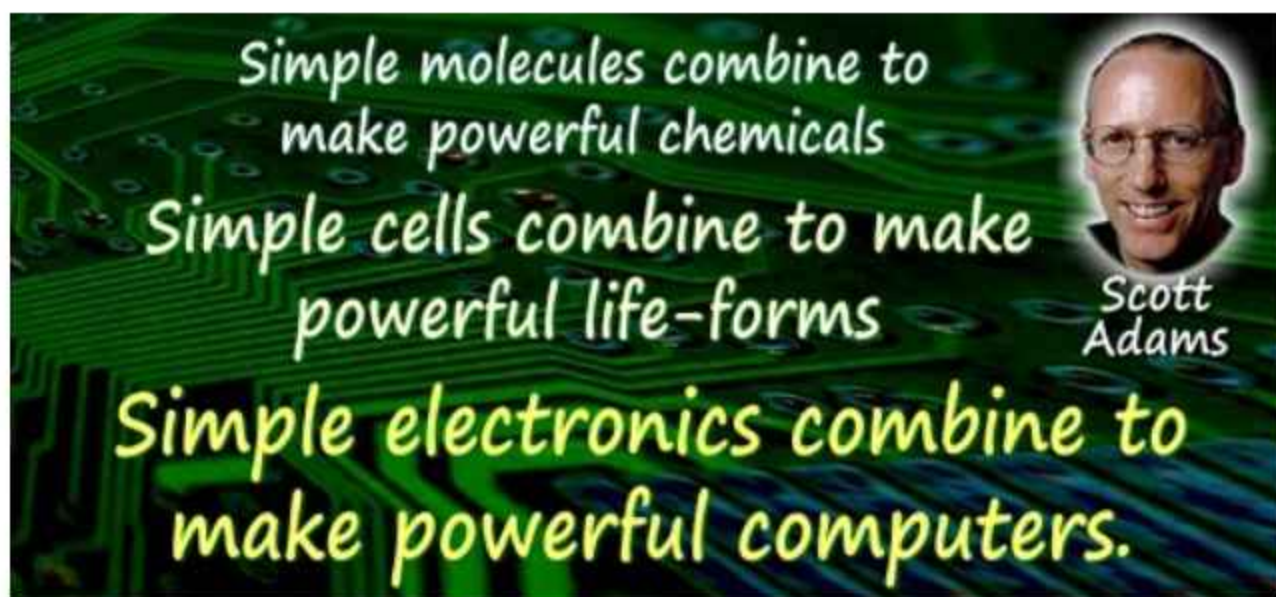
### ICRTST Publications

ICRTST 2021 Publications by faculty

<b>Title of the Paper</b>	<b>Author's Name</b>
Survey On Traffic Accident Monitoring System	Raghuram A S and Kiran B
Delay Analysis and Efficient Scheduling Policies for Multi-Hop Wireless Networks	SUSHMA V
An Epigrammatic Study on Android Architecture, Framework and Its Challenges	Kavyashree E D and Anil Kumar B H
Survey on algorithms of data mining	Lavanya N and Akshatha A

ICRTST 2021 Publications by students

Title of the Paper	Author's Name
Better and Faster Emergency Care During Accidents and Vehicle Impact	Faiza Firdaus, Kulsum Khanum K, Tania Fareen, Lavanya S and Lavanya N
Study on Chatbot for Healthcare System using Artificial Intelligence	Arjun V, Bhavana R, Kusum I K and Akhilesh J A
Early Detection of Diabetes using Machine Learning	Likith V, Janavi K V, Manish Kumar S and Samura Mariyam K A
A Robust Approach to Detect the Text in Images and Video Frames	Dr. Puttegowda D, Bhomika P, Chandana A S, Krithika G and Srivathsa S Raghavan
Hand Gesture Techniques For Sign Language Recognition	Geetha S, Bhavana M, Anees Fathima and Kavyashree E.D
Early Prediction of Sepsis from Clinical Data	Madhushree S, Meghana R, Mohamed Shoaib, Farhaz Khan and Mr.Anilkumar C J
Predictive Analysis of Student Stress Level using ML	Ahalya P, Amulya P, Deepika K and Meghana H S.
Online Grocery Recommendation Using Collaborative Filtering	Nikhitha S Rao and Nisarga C N



# *DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING*

**T**he Department of Electrical and Electronics Engineering is started in the year 2010 with an intake of 60 students. Presently about 170 students are on rolls from second to fourth year. The department is recognized as a research Centre by Visvesvaraya Technological University (VTU), Belagavi to offer PhD and M Sc (Engg.) programs.

The Program Electrical and Electronics Engineering is NBA accredited for the Academic Year 2019-20 to 2021-22 i.e. upto 30-06-2022.

The department has well qualified and experienced faculty members with specialization in Power systems, Power Electronics, Energy Systems & Management, CAID, Bio-Medical Signal Processing & Instrumentation and VLSI Design & Embedded systems. All the laboratories relevant to the program are established as per VTU and department

is highly committed to bring-in the state of art research laboratories to provide quality education for present societal and industrial needs.

The faculties of the department are associated with professional bodies such as IEEE, ISTE, IEI and IAENG. The department is involved in the research activities in the areas of Power systems, EMI/EMC, Artificial Intelligence. The department has spacious infrastructure with carpet area of 2025 Sq.m, providing sufficient space for lecture halls and laboratories.

Mr Raghavendra L, Associate Professor, Department of Electrical & Electronics Engineering has been recognized for the work titled Thermal Effect Powered Electric Motor to Minimize the Power Consumption in the Electric Vehicle with Australian Patent Application on May 2021.

## Webinar Series under IEEE

The ATME IEEE Student Branch had organized “Webinar series on 21st and 23rd October 2020.” In online platform - MS Teams.

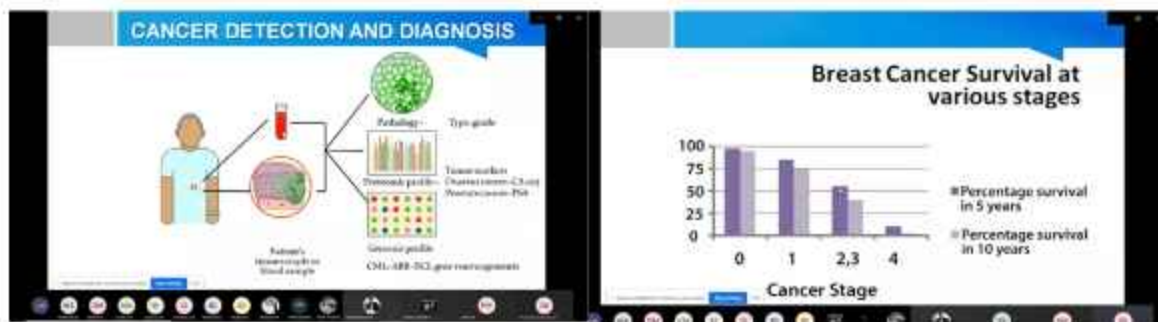
The event was organized with objectives to explore recent trends and advantage of using electric vehicle in India Context and to promote ecological sustainable growth while addressing India's energy Security Challenges. Students from all the branches participated in the event.

MrRavikiranAnnaswamy , CEO of Innohabit Technologies gave insights on the “ Role of Electric Vehicle in 21st century and relevance to India” on 21st October, 6PM.



## National Cancer Awareness Day

The objective of the webinar was to generate awareness about early detection and avoid Cancer causing lifestyles. National Cancer Awareness Day is observed on 7th November on the birth anniversary of eminent scientist Madame Curie. Marie Curie is remembered for the discovery of radium and polonium and gets huge contribution to the fight against cancer. Her work led to the development of nuclear energy and radiotherapy for the treatment of cancer.



## Virtual Technical Fest: Avagamah” Hackathon and Innovative Idea Submission Challenge

The Department of Electrical & Electronics, ATMECE, Mysuru hadorganised a “State Level Virtual Technical Fest-AVAGAMAH” on 4th and 7th Decemebr,2020 through online platform.

To encourage students to apply technical and logical thinking skills through Experiential and participatory Learning, a Virtual Hackathon event was conducted on 4th December, 2020 as part of the fest.

Mr. Nouman Ahmed of VVCE, Mysuru bagged 1st Place, Mr. Varun A of ATMECE, Mysuru bagged 2nd Place, Mr. Joshua H Rayapuri of ATMECE and Mr. Sumanth Rao C S of JSS Academy of Technical Education, Bengaluru received consolation Prize in the event Hackathon.

To enhance the creative, societal, logical and technical thinking ability in students, Make in Bharat: Innovative Idea Submission Challenge (IIC) was organised on 7th December, 2020. Proposals were submitted by the teams which was initially screened and the best 8 Teams were invited for presentation.

The proposal titled "Adjustable Spoon for Parkinson's Disorder" presented by Mr. Joshua H Rayapuri and Ms. Dhanyatha M, Dept. of EEE, ATMECE bagged 1st Place and the proposal titled "Assistive Tool Kit for Alzheimer's Patient" presented by Mr. Yaseen Ulla Khan and Mr. Mohammed Suhail, Dept. of EEE, ATMECE bagged 2nd Place. Both teams were mentored by Mr. Shreeshayana R, Assistant Professor.

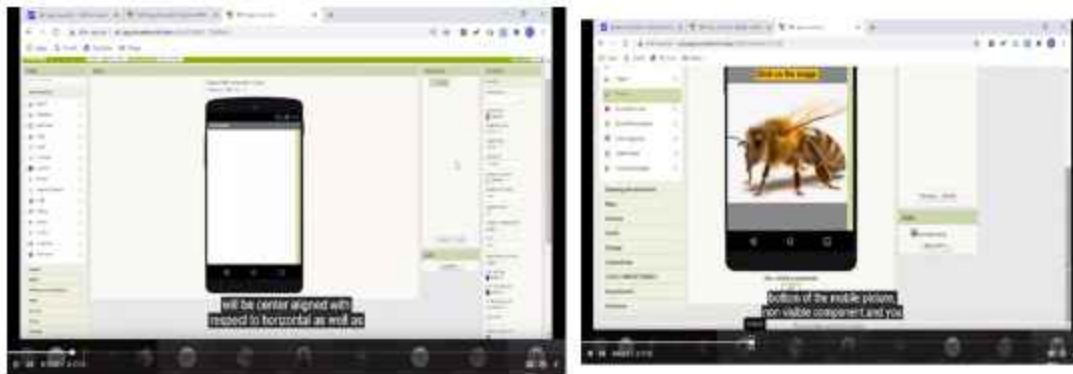
"Voting Management", presented by Ms. Pavithra K, Dept. of CSE, ATMECE mentored by Mr. Kiran B, Assistant Professor, "Automatic Door Knob Sanitization" presented by Ms. Arpitha R and Ms. Priyanka P D, Dept. of EEE, ATMECE mentored by Mr. Vinod Kumar P, Assistant Professor and "IoT based Hydroponics Cultivation" presented by Mr. Hemanth B S and Mr. Manjunath K B, Dept. of EEE, mentored by Mr. Shreeshayana R, Assistant Professor were awarded consolation prize.



## Workshop on App development

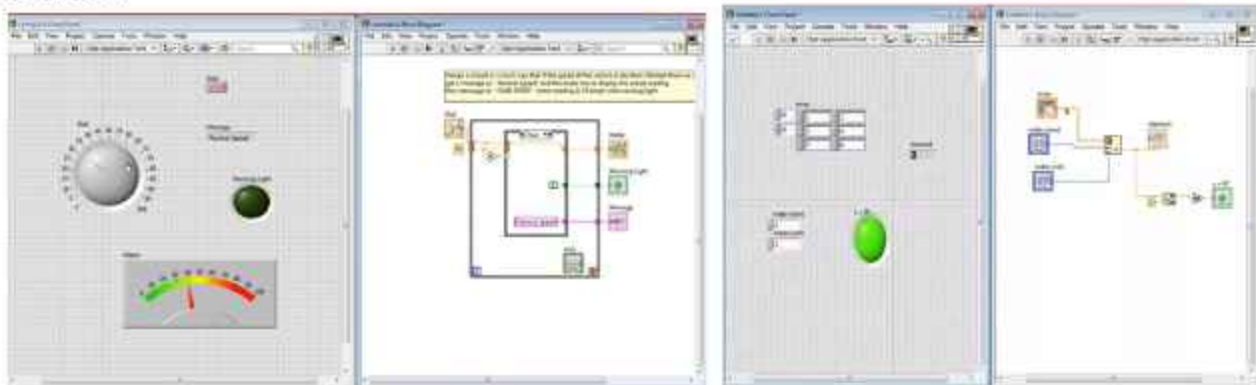
The objective of the workshop is to give students hands-on experience in developing Android applications. The online workshop is intended for students who are interested in computational thinking with App Inventor, and for anyone who would like to learn basic programming skills. It provides many interesting hands-on examples, including simple games and practical tools, to make programming fun and easy even for beginners without any prior programming experience.

The session address Android APP Development for students with hands on experience with android app with MIT inventor



## Workshop on Tool usage -LabView

The department of Electrical & Electronics Engineering, ATME College of Engineering, Mysuru had organized a Three day Workshop on “LabView” for the 2nd year of Electrical and Electronics Engineering on 21st December 2020 to 23rd December 2020 through Online Platform. The event was organized to make the students to learn the modern tool usage and to simulate the Electrical & Electronics Circuits by using the modern tool LabView.



## Online Quiz Competition on “World Science Day for Peace and Development

The Department of Electrical & Electronics, ATME College of Engineering, Mysuru had organised “E-Quiz Competition on World Science Day for Peace and Development” on 31st Dec 2020 through online platform.

The event was organised with objectives to bring Awareness about the role of science in societal developments. The target participants were Engineering students of all the discipline. More than 150 students across various colleges have took part in the event. All the participants are provided with participation e-certificates and the Highest scorers are provided with Merit certificate.



## Technical Talk - on IoT in today's World

The department of Electrical & Electronics Engineering, ATME College of Engineering, Mysuru had organized a Webinar on “IoT in today's World” for the 2nd and 3rd year of Electrical and Electronics Engineering on 30th May 2021 through Online Platform. The event was organized to give an exposure to the students about the new technologies that are developing and to encourage the students to think and work in that direction by taking up the mini projects and major projects based on IoT's.



## Entrepreneur Talk

The Department of Electrical & Electronics Engineering in association with Training and Placement Department organised a Webinar on “Entrepreneurship Skills in Youngsters” in ATMECE, for Pre-Final Year and Final Year Students of Department of Electrical & Electronics Engineering on 5th June 2021, objective of the webinar is to develop and strengthen the entrepreneurial quality in students.



## Technical Talk: “Introduction to Machine Learning and Deep Learning”

The Department of Electrical & Electronics Engineering, ATME College of Engineering had organized a one-day webinar on “Introduction to Machine Learning and Deep Learning” for the 3rd year of Electrical and Electronics Engineering students on 19th June 2021 through MS Teams Online Platform.

The event was organized to provide an exposure and to motivate the students towards the cutting-edge technologies in today's world with deep roots in other fields such as Electrical & Electronics Engineering, etc.



## State Level Quiz Competition

The Department of Electrical Electrical & Electronics, ATME College of Engineering, Mysuru had organised “State Level Technical Quiz Competition on Electrical & Electronics Engineering” on 30th June 2021 through online platform. The target participants were students from Electrical & Electronics Engineering.

The event was organised with objectives to enhance the technical skills of students in the field of Electrical & Electronics Engineering and to improve the analytical, logical and problem-solving skills in students. The quiz competition covered questions from Engineering courses on Basic Electrical Engineering, Transformers and Generators, Electric Motors, Digital System Design, Electrical and Electronics Measurements. About 180 students from different regions of Karnataka registered and participated in the event.



The poster features the ATME College of Engineering logo at the top left and several accreditation logos (ISO, NRI, etc.) at the top right. The main title is "State Level Technical Quiz Competition on Electrical & Electronics Engineering". Below the title, it states "Organized by: Dept of Electrical & Electronics Engineering, ATMECE, Mysuru". The date and time are "30th June 2021 | 3:15 pm to 6:00 pm". A photograph of a woman at a computer is on the right. The poster lists the objectives and quiz topics.

**Objectives of the Quiz**

- To enhance the technical skills of students in the field of Electrical & Electronics Engineering.
- To improve the analytical, logical and problem-solving skills to students.

**Quiz Topics**

- Basic Electrical Engineering
- Transformers and Generators
- Electric Motors
- Digital System Design
- Electrical and Electronics Measurements

## Workshop on C programming & puzzle

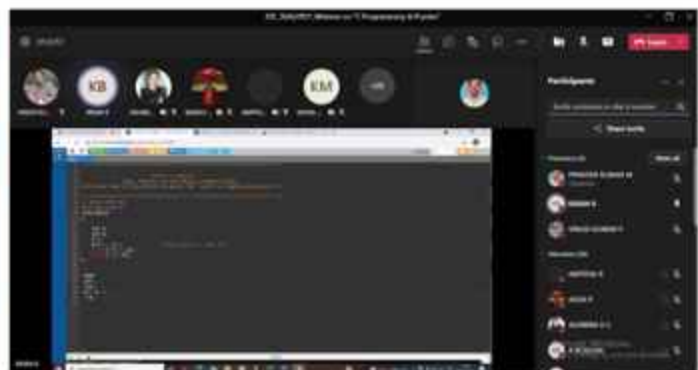
The Department of Electrical & Electronics Engineering had organized a Webinar on “C Programming & Puzzles” in ATMECE, for Final Year Students of Department of Electrical & Electronics Engineering on 26th June 2021, objective of the webinar is to enhance the programming skills in students.



The poster features the ATME College of Engineering logo at the top left and accreditation logos at the top right. The title is "C Programming & Puzzles". It includes the date "26th June 2021", time "10:00 AM to 12:00 PM", and the target audience "Final Year Students of Department of Electrical & Electronics Engineering". The resource person is "Mr. Kiran B". The objective is "To enhance the programming skills in students". A large blue 'C' is displayed on a laptop screen in the background.

**Resource Person**  
Mr. Kiran B  
Assistant Professor, Electrical Engineering,  
ATMECE, Mysuru

**Objective of the Webinar**  
• To enhance the programming skills in students.



## Project competition Final year & Hobby projects

The Department of Electrical & Electronics Engineering had organized a National Level Project Competition on 20th July 2021 with the objectives to introduce the students to real-world engineering situations and encourage to develop solutions addressing environment, economic sustainability and societal cause and to create opportunity to the students to exhibit their technical, communicational skills, Research orientation and Project management.



## Students Achievements

Mr. Hemanth B S, Mr. Manjunatha KB, of 3rd Year, Department of Electrical and Electronics Engineering has participated in the following two events and has exhibited a laudable act.

### MHRD Innovation Cell (Government of India):Application Approved

Mr. Hemanth B S, Mr. Manjunatha KB, from 5th Semester Department of Electrical and Electronics Engineering had submitted a proposal on “Artificial Intelligence based Agriculture & Smart Rural Irrigation Development System (AISIS)”, under the guidance of Mr.Shreeshayana R, Assistant Professor, Department of Electrical and Electronics Engineering. The application is approved and will be further scrutinized by the committee. The proposal was submitted in the month of June 2020.

S.no.	Idea	Theme Name	Description	Status	Action
1	ARTIFICIAL INTELLIGENCE BASED SMART IRRIGATION SYSTEM (AISIS)	Agriculture & Rural Development.	The proposed system is to overcome agricultural issues and is based on Artificial Intelligence and Internet of Things, which can autonomously irrigate fields using soil moisture data. The module can be built capable of automating the irrigation process by analyzing the moisture of soil and the climate condition. The data of sensors can be displayed in graphical form & farmers can be trained. The objective is to design low cost model to solve the irrigation woes with real time weather data, motor ON/OFF features and crop management. The model shall be customized using Raspberry/Arduino microcontroller with LoRa & AWS/BOLT cloud platform.	Application Approved.	View

## Students Excel in Youth Entrepreneurship Competition

IBS, Dehradun had organized an online EDEA Youth Entrepreneurship Competition on August 29th 2020. EDEA is an Inter college Business plan competition providing a platform for young entrepreneur to show their business plan. Two students Mr.Hemanth B S, Mr.Manjunatha KB, from 5th Semester Department of Electrical and Electronics Engineering secured 7th Place in the All India Event. About 140 teams submitted their ideas in the event. The team represented Karnataka in the finals.

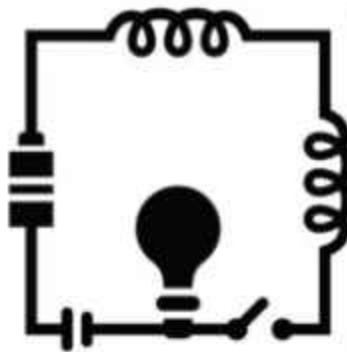


It is a simple feat of scientific electrical engineering — only expensive — blind, faint-hearted, doubting world.

— Nikola Tesla —

AZ QUOTES

PEOPLE THINK IT'S  
**MAGIC**  
WE CALL IT



**ELECTRICAL**  
**ENGINEERING**

# ***DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING***

**T**he Department of Electronics and Communication Engineering (ECE) was established in the year 2010 with an intake of 60 and was enhanced to 120 in the year 2012. It offers Undergraduate program (4 years) and Doctoral programs. Doctoral Programs (Ph.D.) encompassing broad areas of Wireless Communication, Signal/Image Processing, VLSI & Embedded Systems, Biomedical Engineering, Advanced Control Systems .etc The ECE program is accredited by National Board of Accreditation (NBA). ECE Dept. has well equipped state-of- art laboratories and ample resources in computing. The Department has full-fledged VLSI Lab. It is furnished with Cadence tool with thirty user licenses. The department is imparting Cadence Training to students in the VLSI lab and also provides additional lab facilities such as IoT Lab and NI Labview where students will be trained and they carry out mini and major projects. Department has received significant

research grants from the Department of Science and Technology (DST), and AICTE - MODROB Lab and ATAL. Department has well qualified and experienced teaching faculty and technical staff. The faculty members of ECE department are versatile in many diversified fields. They have good research potential and are committed teachers.

Department of ECE has a huge collection of Text books, Reference Books of Various authors, with different titles and volumes.

Department conducts inter college technical fest URJA every year, where it provides the platform for students to develop leadership and organizing skills. The department has been to impart quality technical education to the students. To make the students technically aware of the advancements in technology around the world, the department provides additional training sessions, workshops, hands-on, webinars, Industrial Visits, Internship and other events.

## DEPARTMENT ACHIEVEMENTS

### Research grants

Department has received

- Research grants of Rs 2.04 Cores from the Department of Science and Technology (DST)- Science for Equity Empowerment and Development Division for the project entitled “Innovative ICT Enabled Co-Working Community Center Design For Rural Development”. This project was proposed by Principal investigator Dr. Mahesh P K, Professor and Head, Department of ECE and Co-investigator Dr. Prakash Kuravatti Associate Professor, Department of ECE.
- Research grants of Rs 17.9 Lakhs from the Department of Science and Technology (DST)- for the project entitled “Scifest”. This project was proposed by principal investigator Dr. Yathisha L, Associate Professor, Department of ECE and Co-investigator Mr. Guruprasad K N, Assistant Professor, Dept. of ECE.
- Research grants of Rs 10.77 Lakhs from the AICTE - MODROB Lab for the project entitled “Enhancing New Technology In Microwave And Wireless Communication”. This project was proposed by principal investigator Dr. Mahesh P K, Professor and Head, Department of ECE and Co-investigator, Dr. Yathisha L, Associate Professor, Department of ECE.

### Seminars/Webinars/workshops conducted

The department organized Talk on “Career Opportunities in the IC Design Industry” and organized webinars on different areas to enhance and ignite the knowledge. The topics are “Teaching Pedagogy”, “Challenges & Opportunities in Higher Education”, “Machine Learning and Deep Learning”, “Antennas and electromagnetics hazards”, “Career Opportunities in Digital Marketing”, “Advances in AI, ML, DL & Robotics-From the Industrial point of view starting from macro to the nano stage”, “AI and its Application”, “World of AI, Yesterday, Today and Tomorrow” and “How to become LabVIEW Certified”. The Department organized Five days National level Workshop on “Academic and Research Writing”, 3 days' workshop on LATEX and 2 days Skill enrichment program on “Introduction to Swift Programming Language”



## Programs Organized by IIT Bombay under the Remote Centre of ATME College of Engineering

AY- 2020-21

Event Coordinator: Dr. Prakash Kuravatti

SL. No	Name of the Event	Conducted	Dates
1	Workshop on Python for Teachers	IIT-Bombay- RC ATMECE	22 June 2019
2	Workshop on eSim for Coordinators	IIT-Bombay- RC ATMECE	27 July 2019
3	Workshop on Linux for Teachers	IIT-Bombay- RC ATMECE	23 Aug 2019
4	Workshop on eSim for Teachers	IIT-Bombay- RC ATMECE	21 Sep 2019
5	Workshop on R-Language for Coordinators	IIT-Bombay- RC ATMECE	12 Oct 2019
6	Rerun Workshop on R- – Teachers	IIT-Bombay- RC ATMECE	17 Dec 2019
7	LaTex for Students , Engineers and Scientists	IIT-Bombay- RC ATMECE	24 Sep – 11 Nov 2019
8	Rendezvous with Lori Beer, CIO of a leading financial Institution in USA	IIT-Bombay- RC ATMECE	5 Nov 2019
9	Workshop on Arduino	IIT-Bombay- RC ATMECE	8th Feb 2020
10	Workshop on eSim	IIT-Bombay	11th to 13th Feb 2021
11	Workshop on FOAM	IIT-Bombay	25th to 27th Feb 2021
12	Workshop on ChemCollective Virtual Lab	IIT-Bombay	25th to 27th Feb 2021
13	Workshop on Dspace	IIT-Bombay	13th Feb 2021
14	Workshop on Scilab	IIT-Bombay	4th – 6th March 2021

### Report on “Sci-Fest: Science Fiesta for School Children's from 7th to 12th Standard”

Department of Science & Technology – National Council for Science & Technology Communication (NCSTC) division has given the approval for the project titled SciFest – Science Fiesta for School Children's from 7th to 12th Standard and the project has to conducted in the districts of Coorg, Chamarajanagar, Mandya, and Mysore.

In this regard, 3 days' SciFest was conducted in Chamarajanagar District from 23rd to 25th February 2022. The program was “Catalyzed and supported by The National Council for Science & Technology Communication, Department of Science & Technology, Govt. of India”, and was organized by ATME College of Engineering, Mysuru in association with JSS PU College for Women, Chamarajanagar.

## Following are the Objectives of the Project:

- To encourage and explore scientific talent among students.
- To stimulate interest in science and technology and to inculcate skills in younger generations.
- To encourage problem solving approach and to develop the appropriate technologies, especially for rural areas and integrating scientific ideas in real time situations.
- To popularize science among masses creating an awareness regarding the role of science and technology in socio-economic and sustainable growth of the country.

## Following activities were conducted in the SciFest:

1. Hackathon
2. Poster Presentation
3. JAM Competition
4. Technical Project Exhibition
5. Science Quiz Competition
6. Essay Writing Competition

A total of 684 students were participated in above mentioned events from 14 different schools and PU colleges in and around Chamarajanagar district.

Dr.Yathisha L, Associate Professor, Dept. of ECE, ATMECE, Mysuru was the Principal Investigator and Mr. Guruprasad K N, Assistant Professor, Dept. of ECE, ATMECE, Mysuru was the Co-Investigator.



**ATME College of Engineering is listed as one of the nodal centre to conduct online courses offered by IIRS-ISRO Dehradun.**

Adding yet another feather to its cap, ATME College of Engineering is listed as one of the nodal centre to conduct online courses offered by IIRS-ISRO Dehradun on 1st July 2020. Being a nodal centre, ATME CE will facilitate Students, Faculties, Research Scholars and Engineering Professionals to attend live courses/sessions delivered by experts from IIRS. The participating candidates would be attending live sessions, and live interactions with IIRS-ISRO experts through distance mode using webcasting.

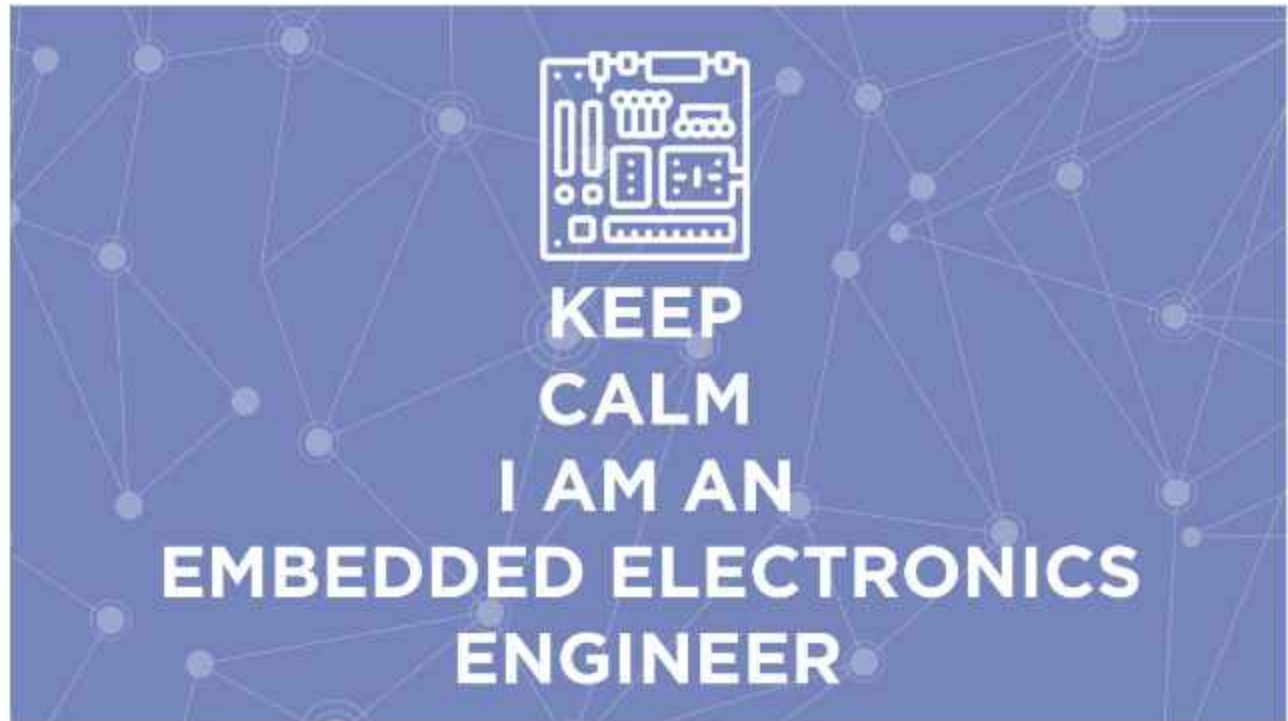
**Programs Coordinated:**

Programs coordinated by the nodal centre of ATME College of Engineering

Sl. No	Program	Topic	Date	Duration
1	66th IIRS Outreach Program	Global Navigation Satellite System	September 14th to September 25th 2020	2 Weeks
2	67th IIRS Outreach Program	Understanding of coastal ocean processes using remote sensing and Numerical Modelling	September 21st to September 25th 2020	1 Week
3	68th IIRS Outreach Program	Geographical Information System	September 28th to October 23rd 2020	4 Weeks
4	72nd IIRS Outreach Program	Basics of Geocomputation and Geoweb Services	October 19th to October 29th 2020	2 Weeks
5	69th IIRS Outreach Program	RS & GIS Applications	November 2nd to November 20th, 2020	3 Weeks
6	70th IIRS Outreach Program	Remote Sensing of Land Degradation	December 1st to December 7th 2020	1 Week
7	71st IIRS Outreach Program	SAR-Polarimetry & Interferometry	December 14th to December 18th 2020	1 Week

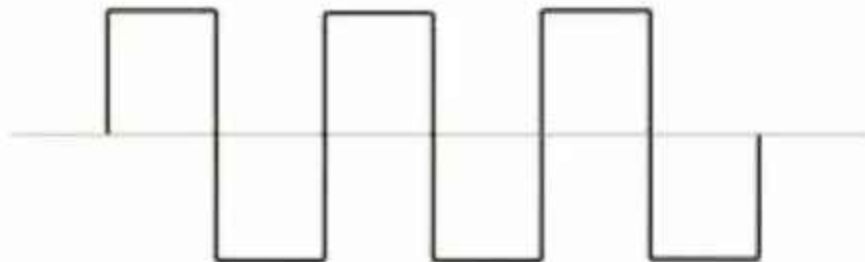
**Course Coordinator:**

Guruprasad K N, Assistant Professor, Dept. of Electronics and Communication, ATME CE, Mysuru



Sometimes, my attitude is like a Square wave  
signal;  
either I'll give my 100% to a thing or none  
at all !  
There's no in between !

- Tanvi Purohit



# ***DEPARTMENT OF LIBRARY & INFORMATION CENTRE***

**T**oday the engineering institutions are investing huge amount for digital Resources because the quality of engineering institutions is measured in terms of digital collections, e-resources, networking component, ICT tools etc.

Academic libraries are under increasing pressure to demonstrate the value of their collections to their stakeholders and to focus on products and services that support eLearning. If the cost of library services increase and the perception of the importance of the library decrease, a value gap can result. Measures of value, including usage, and return on investment can help to demonstrate the current value of the library and help librarians to set priorities for the future. More than repositories for materials and knowledge; now libraries are access- point to acquire

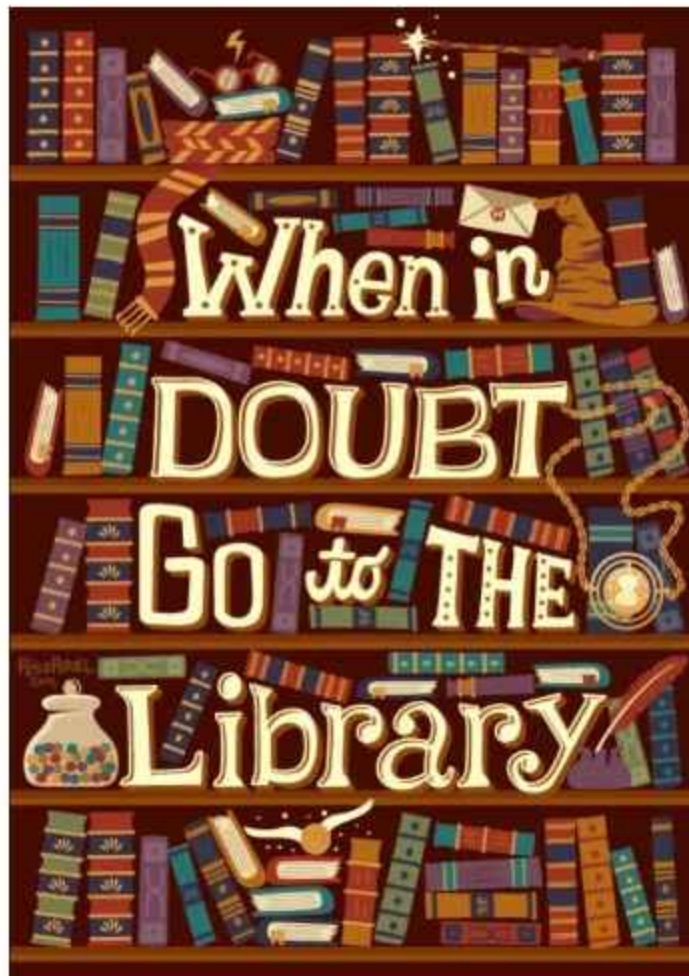
knowledge and skills at a faster rate.

Technology provides better access to information; especially electronic resources play a vital role in supporting academic activities and research. Recent studies demonstrate that academic users have become more dependent on article databases and electronic journals to obtain information pertinent to their needs. The printed resources are now being digitalized which has increased the availability of books and journals in the electronic format.

Providing access to E-resources is a service to help library users find E-Databases, E-Journals, E-Magazines-Books/ E-Audio/ E-Images, Data/ GIS, Digital Library Projects, Electronic Exhibitions, E-Subject Guide.

Traditional library resources are insufficient to meet current requirements of users. The increasing online environment has resulted in users, who are more technology savvy and are demanding and expecting more from the library. The potential of delivering information anytime (24X7) anyplace challenges libraries to re-examine how space is organized and used. It is necessary to create new modes to deliver services to the user Desktops even outside the campuses using the platform. As more resources are created via the web, issues arise related to search & access the same.

Users would like to see their library on the internet, able to meet their all information needs not only on demand but also in anticipation of demand. Besides this they would also expect to get comprehensive information on broader range of disciplines while a engineering college library could have good collection only in their specific discipline. Again it would be a big cause of users' dissatisfaction. But to overcome this problem engineering college libraries may have to have more & more electronic resources which shall help to offer new and more qualitative services to their users.



# *DEPARTMENT OF MECHANICAL ENGINEERING*

"Mechanical Engineering is the branch of engineering that involves design, production, operation of machines and tools"

**T**he Department was started in 2010-11. The department is recognized for PhD program in its folds. The strength of the department is its intellectual capital. The department is a blend of faculties from the diversified fields and it has well established infrastructure and state of the art laboratories to cater the present day requirements. Every effort is made to bridge the gap that exists between academics and the rapidly evolving global needs of industry and society. The main motto of the department is to prepare industry ready engineers with

professional and ethical responsibilities. In order to achieve this, several Memorandum of understanding (MOD's) has been signed with industries and training institutes.

Mechanical engineers require a solid understanding of key concepts including mechanics, kinematics, thermodynamics, energy and manufacturing. They use these principles in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings and bridges, industrial equipment & machinery, and many more. To ensure that the students to learn the latest technological advancement in the field of Mechanical Engineering, they are encouraged them to attend various seminars, guest lectures, workshops and industrial visits.

## International Webinar on- Latest Technologies in Manufacturing & Area of focus for today's Engineering student

**ATME** College of Engineering  
Department of Mechanical Engineering  
Approved by AICTE, No. 1034/2019

**Latest Technologies in Manufacturing & Area of Focus for Today's Engineering Students**

**Resource Person:** Prof. Nanjunda Naika, Asst. General Manager, Head – Service Training Centre, M/s BEML Limited, Truck Division, Mysuru

**Co-ordinators:** Prof. Dewang M.R., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Prof. Mahalakshmi R.C., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Prof. Nanjunda Naika V.S., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Prof. Yashwanth H., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering.

**For information please Contact:** Prof. Dewang M.R. 9023286111, Prof. Yashwanth H. 9602904114

National Webinar conducted on 14th October 2020 through online on the topic “Latest Technologies in Manufacturing & Area of focus for Today's Engineering students” was organized with the intension to give the awareness and Knowledge on latest trends in manufacturing and its advancements also areas to focus in latest manufacturing techniques and methods to the final year students (2020-2021). The invited speaker Mr. Nanjunda Naika from BEML, addressed our final year students with the above said topic and expressed best wishes to Final year students at the end of the session.

### RESOURCE PERSON:

R. NANJUNDA NAIKA, Asst. General Manager, Head – Service Training Centre M/s BEML Limited, Truck Division, Mysuru

## International Webinar on- Tolerance Stack-up Analysis

International webinar conducted on 25th September 2020 through online on the topic “Tolerance Stack-up Analysis”. This webinar was organized with the intension to expose the final year students (2020-2021) on importance of tolerance providing to various mechanical components and its effect on manufacturing cost and the range of tolerance recommended to optimize/ control the cost of production of various components etc. The invited speaker Mr. Vinayak Naik, addressed our final year students with the above said topic and expressed best wishes to Final year students at the end of the session.

### RESOURCE PERSON :

VINAYAK NAIK, Sr. Engineer, Midea America Research Center, Louisville, KY 40229, USA, Date: 29 August 2020

**ATME** College of Engineering  
Department of Mechanical Engineering  
Approved by AICTE, No. 1034/2019

**International Webinar on- Tolerance Stack-up Analysis**

**Date on: 25<sup>th</sup> September**  
**Time 3.00 pm**

**Resource Person:** Mr. Vinayak Naik, Sr. Engineer / Midea America Research Center, Louisville, KY 40229, USA

**Co-ordinators:** Prof. Dewang M.R., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Dr. Mahalakshmi R.C., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Prof. Nanjunda Naika V.S., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering; Prof. Yashwanth H., Asst. Prof., Dept. Mechanical Engineering, ATME College of Engineering.

**Guest:** Dr. Srivvasa K., Prof. & Head, Dept. Mechanical Engg, ATME College of Engineering

**For information please Contact:** Prof. Dewang M.R. 9023286111, Prof. Yashwanth H. 9602904114

## International Webinar on Best Career Options and Preparedness after Engineering

Webinar conducted on 29th August 2020 through online on the topic “Best Career Options and Preparedness after Engineering”. This webinar was organized with the intension to expose the outgoing students (Batch-2019-2020) and final year students (2020-2021) in connection to the opportunities and options that are available after the degree to shape their career in their future endeavors. The invited speaker Mr. Anilkumar, addressed our students with the above said topic and expressed best wishes to outgoing students at the end of the session.

### Speaker:

Mr. Anil Kumar, Dy. Project Manager, NBCC (India) Ltd, Government of India Enterprise Central Government Complex, NBCC Bhawan, Lodhi Road New Delhi-110003

The poster features the ATME logo (College of Engineering) and accreditation logos for AICTE, NBA, and ISO. It is organized by the Department of Mechanical Engineering. The title is "Best Career Options and Preparedness after Engineering" with a date of 29th August at 2:00 pm. Co-ordinators listed are Prof. Devraj M.R., Dr. Mohanakumara K.C., Prof. Niranjani Kumar V.S., and Prof. Yashwanth N. The Resource Person is Mr. Anil Kumar, Dy. Project Manager at NBCC (India) Ltd. Contact information for Prof. Devraj M.R. and Prof. Yashwanth N. is provided. A note states that e-certificates will be issued to participants who attend the session and fill a feedback form. The registration link is <https://forms.gle/vVWkChwvXtjGyYgk>.

## International Webinar on Effective Presentation Skills

The poster features the ATME logo (College of Engineering) and accreditation logos for AICTE, NBA, and ISO. It is organized by the Department of Mechanical Engineering. The title is "International Webinar on- Effective Presentation Skills" with a date of 1st September at 2:00 pm. The Resource Person is Mr. Muralidhar Govindaswamy, Consultant at Royal KPN N.V., Wilhelminakade Rotterdam, The Netherlands. Co-ordinators listed are Prof. Devraj M.R., Prof. Niranjani Kumar V.S., Dr. Mohanakumara K.C., and Prof. Yashwanth N. Contact information for Prof. Devraj M.R. and Prof. Yashwanth N. is provided. A note states that e-certificates will be issued to participants who submitted their feedback form. The registration link is <https://forms.gle/FQ3LwvK3dPwWk2S>.

International webinar conducted on September 1st 2020 through online on the topic “Effective Presentation Skills”. This webinar was organized with the intension to expose the outgoing students (Batch-2019-2020) and final year students (2020-2021) in connection to improve their presentation skills. The invited speaker Mr. Muralidhar Govindaswamy, addressed our students with the above said topic and expressed best wishes to outgoing students at the end of the session.

### Speaker:

Mr. Muralidhar Govindaswamy, Designation: Consultant,  
Email: [Muralidhar.govindaswamy@kpn.com](mailto:Muralidhar.govindaswamy@kpn.com),  
Company: KPN N.V.

Address: Royal KPN N.V. , Wilhelminakade 123 3072 AP Rotterdam, The Netherlands

## **A Report on National Level 3 Day Online Faculty Development Program on AICTE Exam Reforms-An Overview.**

Mechanical Engineering department had organised a National level 3 Day Online FDP on AICTE Exam Reforms-An Overview from 27th Aug to 29th Aug 2020. Participants from various states have registered for the program. The Resource persons were the faculty members from various Engineering Departments of ATMECE. The registration was free and the Participants were issued an e-certificate upon successful completion of all the three days program. The FDP was inaugurated by our honourable Principal Dr. Basavaraj L. In his inaugural address he has highlighted the necessity of exam reforms in the back ground of New Education Policy implemented by the Ministry of Higher Education, Govt. of India. He has expressed his happiness about the interest shown by all the Participants across India and appreciated the efforts of the coordinators in organising such a useful FDP.

## **A Report on Webinar Series in Mechanical Engineering**

Mechanical Engineering department had organised a 5-day Webinar Series in Mechanical Engineering from 20th July to 24th July 2020. This webinar was exclusively arranged for students and students from various colleges from Karnataka registered for the webinar.

The resource persons were the faculty members from the department of Mechanical Engineering, ATMECE.

1. Dr. Srinivasa K, Professor, Dept. of ME, ATMECE, Mysuru
2. Dr.Chethan S, Assistant Professor, Dept. of ME, ATMECE, Mysuru.
3. Dr. Md. Nadeem M, Assistant professor, Dept. of ME, ATMECE, Mysuru.
4. Mr. Yathisha N, Assistant professor, Dept. of ME, ATMECE, Mysuru.
5. Mr. Karthik Kumar M, Assistant professor, Dept. of ME, ATMECE, Mysuru.

There was no registration fee and all the students were issued with E- Certificate on successful completion of the webinar.

## **FACULTY AWARDED PhD 2020-21**



NAME:Dr. CHETHAN S  
PhD Research Topic:Experimental Investigation into the Properties of LuffaCylindrica Natural Fibre Reinforced Epoxy Composites  
Research Centre:VTU, Belagavi  
AY:2020-21

NAME: Dr SURESH KUMAR S  
PhD Research Topic: Study The Effect of Shot Peening on Fatigue and Fracture Characteristics of Aluminium Based Metal Matrix Composites  
Research Centre: SJCE, Mysuru  
AY: 2020-21



NAME: Dr MOHANAKUMARA K C  
PhD Research Topic: Study of Mechanical and tribology characteristics of as cast and extruded ALSICP Metal matrix composites  
Research Centre: VTU, Belagavi  
AY: 2020-21

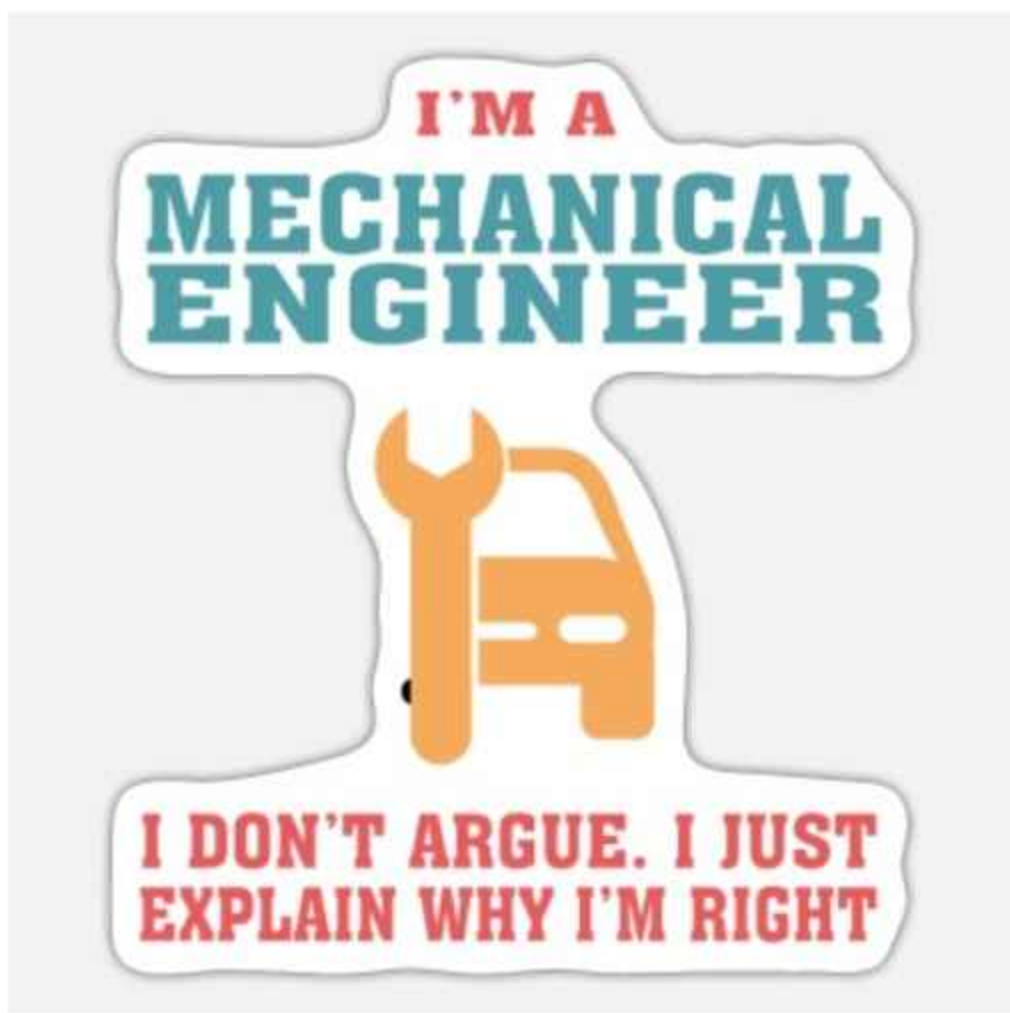
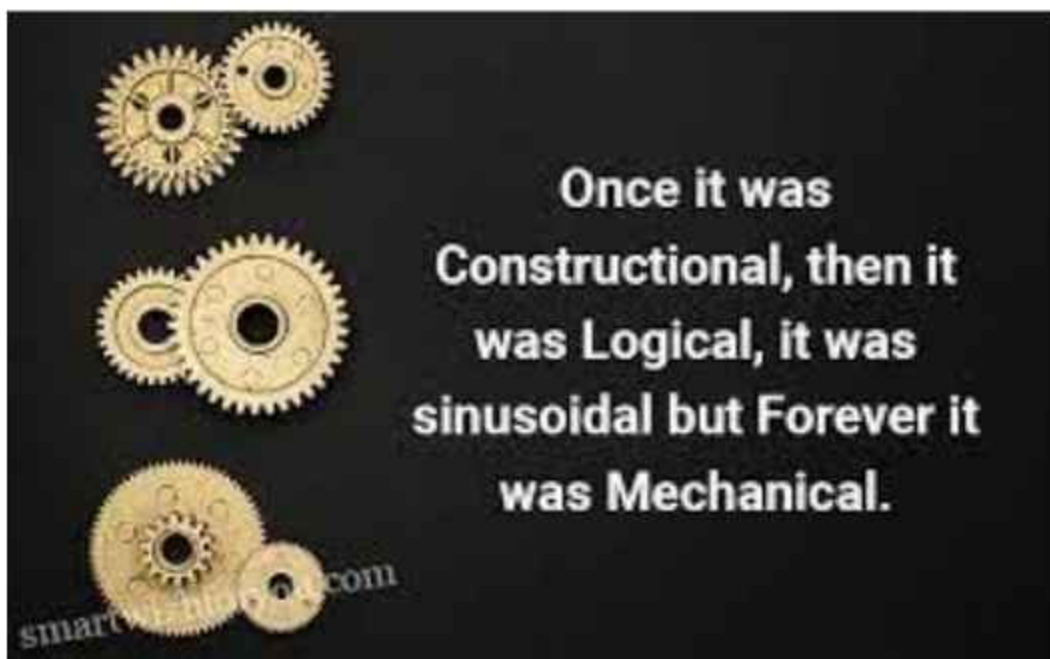
## STUDENTS ACHIVEMENT

### Topic: “Low cost IOT based EV charging”

Our college students, MOHAMMED FARAAZUR RAHMAN (4AD16ME040), MOHAMMED SHUAIB KHAN (4AD16ME043), MOHAMMED YOUSUF KHAN (4AD16ME045) & SHAHBAZ PASHA (4AD16ME072) Had participated in India Innovation Challenge Design Contest 2019 (IICDC). The students had cleared all the rounds and selected for final rounds. Due to pandemic all the rounds were held virtually. And in final rounds they have been awarded with the cash prize Rs. 19477/- on 31.05.2021 and the cash price was declared on 14.06.2021

**Mentor for the team :** Mr. Karthik Kumar M (Asst. prof. Department of ME, ATMECE, Mysuru)





# ***DEPARTMENT OF PHYSICAL EDUCATION & SPORTS***

**ATMECE mission is to foster a "culture of fitness" for students, faculty and staff.**

**W**e pursue this mission not only because fitness is a key component to a well-rounded liberal arts education, but because recent research shows that regular physical activity enhances memory, improves cognition and problem-solving abilities, and elevates one's overall sense of well-being.

To prepare physical education leaders of high academic caliber, with a holistic development of body, mind and spirit nurtured with a strong commitment to serve humanity.

I am very happy to present the annual sports report for the year 2020-2021. Our college students have brought laurels by participating and winning in various sports and games organized by VTU, University of Mysore and other open tournaments.

The college had participated in VTU,

Mysore city intercollegiate tournaments conducted by University of Mysore, JSS S&TU tournaments, Mysore Dasara district division and state level competition in the following sports/games like Cricket, Throwball, Football, Basketball, Baseball, Handball, Softball, Athletics, Youth Festival, Table Tennis, Chess, Volleyball, Hockey, Kabaddi, Best Physique, Weight Lifting and Power Lifting competition.

## **Sports Achievement in the year 2019-20**

- Pavan V of 4th year ME secured Silver medal (Up to 75kg Category) in Mysore City Intercollegiate Best Physique Competition held at NIE, Mysuru.
- Abhijith of 3rd year ME secured Gold medal (79kg Category) in 20th VTU Intercollegiate Wrestling Competition held at SJCIT, Chikballapura.
- Abhishek K of 4th year ME has won Bronze medals (86kg Category) in 20th VTU Intercollegiate Wrestling Competition held at SJCIT,

- Soft Ball Men Team secured 3rd place in VTU Inter Zone Inter Collegiate Soft Ball Championship 2019-20 organized by DBIT, Bengaluru. (3rd time in succession)
- Softball Women Team secured Runners-Up in VTU Single Zone Inter Collegiate Soft Ball Championship 2020-21 organized by DBIT, Bengaluru. (3rd time in succession)
- Rajashekar M of 4th year ME won Bronze medal (Up to 67kg Category) in 2nd Mysuru Region Intercollegiate Engineering college sports meet (ICESM) Weight Lifting Competition organized by JSS S&TU, Mysuru.
- Best Physique Team secured Runners-Up in ICESM Inter Collegiate Best Physique Championship 2019-20 organized by JSS S&TU, Mysuru.
- Pavan V of 4th year ME clinched the Title Mr.ICESM in 2nd Mysuru Region Intercollegiate Engineering college sports meet Best Physique Competition organized by JSS S&TU, Mysuru.
- Pavan V of 4th year ME secured Gold medal (Up to 80kg Category) in ICESM Inter Collegiate Best Physique Championship 2019-20 organized by JSS S&TU, Mysuru.
- Md. Shabaz of 4th year EC won Bronze medal (Up to 65kg Category) in ICESM Inter Collegiate Best Physique Championship 2019-20 organized by JSS S&TU, Mysuru.
- Arun Nayar N of 3rd year CS won Bronze medal (Up to 70kg Category) in ICESM Inter Collegiate Best Physique Championship 2019-20 organized by JSS S&TU, Mysuru.
- Mansoor Fathak of 2nd year EC won Bronze medal (Up to 60kg Category) in ICESM Inter Collegiate Best Physique Championship 2020-21 organized by JSS S&TU, Mysuru.
- Abhishek K of 4th year ME won Silver medal (Up to 85kg Category) in ICESM Inter Collegiate Best Physique Championship 2020-21 organized by JSS S&TU, Mysuru.

### University Representation

Sl No.	Name of the Student	Year / Branch	Game	Remarks
1	ABHIJITH	3rd yr., ME	Wrestling	First Time
2	RACHANA Y L	4th yr., EE	Softball	Fourth Time
3	PALLAVI K R	4th yr., EE	Softball	First Time
4	MONICA R	4th yr., EE	Softball	First Time
5	VARSHA J	4th yr., CS	Softball	First Time
6	NISCHITH J RAO	4th yr., EC	Softball	First Time
7	YASHWANTH P S	3rd yr., CS	Softball	First Time
8	CHIRAG C N	2nd yr., EC	Softball	First Time

# Better to be safe than to be sorry

**W**e all have heard this quote “Better to safe than to be sorry”, it simply means that try always have a backup for every act you do. That phrase also applies to the rules we all follow, some of them are not that good at all and at times it feels useless. One such rule was that, all two-wheeler riders and passengers have to wear a full-on helmet or else you will be fined. At first thought I like most of us was peeved (Annoyed) by this rule for the fact that I would not be able to feel the breeze flowing through my hair.

This thought of mine was changed by one bad accident that occurred during my second PUC time; me and my friends were enjoying the last sports day from the college. All was good until mid afternoon once we all had our lunch, we got a news that one of our collegemates had met with an accident in which process the rider lost his life on the spot and his rider friend went into a coma for months, that news shook me so much in deep that I got scared to ride vehicles. But as I got to know the reason of his death the doctors said that had he worn a helmet he would have survived. This was that turning point in my life that I decided that whenever I ride a vehicle, I want to be safe to ride whether I am riding a motorcycle or driving a car. Most of us wear normal helmets to avoid the

fine and not worried too much of the safety. What we do not realize is that how important it is to wear an original certified helmet. Most of us buy it from a local shop where the safety is not guaranteed, and this is mostly due to the high cost of good helmets.

The main functions of a rider's helmet are to protect him from the average speed collision that he/she can meet with, in regards to vehicle. Most parents think all the people killed accidents are the ones who watched too much of racing on TV and part of it is true and part of it is not. Watching racing and following race driver/riders is a good thing it is very much like how others follow other sports. However, there is a difference in the viewership

- The first category of people is the group of people who love the sport and who want to get into it through proper means.
- The second category are the people who watch so that they can do similar things in real life.
- The third group of people are the guys who watch for study purposes and want a career in that manner.
- The fourth group of people are those who watch to learn decent English and also to cheer for their favorite team or company or the driver/rider.

Out of these four groups of people thesafest person to be is the third and fourth category of people who are always worried about safety and performance of their vehicles, especially engineers who

come under the third category who always think a lot about doing a safety check twice before doing anything. Unfortunately, people who have been victims of accidents have been out of the first two categories for various reasons. One of the reasons being safety measures. A true race fan knows how much risk involved in racing and know how important is safety.

There a lot of rules that a person can adopt from racing-

- If you are in a slow vehicle, always give way to the faster vehicles to avoid traffic.
- If you are a two-wheel rider always wear a helmet of good quality so that helps you stay safe from serious head injuries and not fines and penalties imposed by the cops.
- Never create fights in the middle of a road and take things into your hand, inform the cops if you are hit by vehicle or any similar instance using the vehicle number or vehicle characteristics.
- In a car wear seat belts regardless if anyone calls you overconcerned.
- Ride/drive a vehicle within the speed limits. Like in a race, every turn has a limit to and going over it can be dangerous not only for you, but the fellow motorists using that way.
- At a yellow signal always slow down like how it will be during a race during a yellow flag period.
- Always drive slow in and out of your house most preferably at 25 km/h, to

ensure safe entry to your home.

- Always check your vehicle for any kind of fault and if you feel uncomfortable do not take the risk, use the public transport.

The reason we have a lot of rules for motorists and drivers is maintain safety and it is the same reason the fines are going sky high.

There ways to curb this as well and the safety of the people on roads can also be shared among vehicle manufacturers-

- Two-wheeler manufacturers can go the extra mile by manufacturing a good quality helmet for their riders, because if you want to build a vehicle for your customer you might as well give them that extra bit of safety.
- More companies should ensure that their vehicle is running safe and sound and let their customers know about their condition of the vehicles they are using and install features like sensors that do not start the engine without them having to comply to the safety features.

There is a lot more, that all of us can do and take inspiration from racing.

Whenever you see kids watch racing do not stop them but guide them to take good inspirations from it because as one of faculties said if you want to be a motor company and a good motorist you need to watch and be in racing.

**- AX Peter, ME**

# STRIKE TO WIN

## THE FIGHT

**Preface:** (All characters and the entire story itself is a fiction the writer herby does mean to hurt anyone intentionally, if at all you find similarities to the characters in real life is totally coincidental)

**T**wo men lived in the mountains of Atala, along with their parents and also with the eight thousand people. Atala, is a place where the winds are the best and cool any anger in you. The main guys of the place of Atala where the chefs- Somers and Kevin who made almost all kinds of dishes for their customers, both vegetarian and non-vegetarian and every citizen of the town spoke about them. Both were retired naval officers serving for six years; Somers had been the commander of multipledestroyers and were placed in the Sapient Fleet of The Navy of Atala, who was responsible for guarding the naval eastern borders between Kaiser and Atala, Kevin on the other hand was the Executive Officer of that same ship. The friendship between these guys go back to all the way to the naval academy where they graduated together, and the navy seeing the immense team work and results they posted as team always posted them on same ships. Everyone liked the chefs for what they had done for their

country and what they were cooking for us, but Kevin was not liked by a lot because, he always used to sound too soft spoken and never wanted to fight anyone. Many of the local gangsters used to rag him a lot he never minded them because, the next day they would come back and say a huge sorry to him. One day one of the young officers in the navy had been hearing all the stories about Kevin and Somers since she was college girl came to the restaurants that the best friends were running it was called 'Joy and Peace', she approached the lady at the reception and asked her if she could meet Somers and ask him about the story behind the restaurant. Though initially, Somers declined the permission he finally agreed to it and asked the young officer to come on a Sunday afternoon of 16th August, because on that day Kevin would come a little late as he has done every year.

On the day that was told to the young officer, Somers was in the backyard garden of the restaurant watching the waves roll over; the officer greeted Somers gently by saying that her name was Sub-Lieutenant Roseline and gave a shake hand. Somers offered the officer a cup of coffee and they both were seated near the compound of the restaurant and seeing the waves. Then Roseline asked, "Why is Mr. Kevin so soft whenever he speaks to people and why is he being bullied so much?". Somers, with a broad smile started to narrate the story that

very little members of the town knew. He started narrating, "We always speak of the heroes of a drama, but we never speak of the director and script writer of it; it is the same with Kevin. It was 6th June 2036; Kevin and I were assigned with a new ship NAS Jenson, with the motto "STRIKE TO WIN THE FIGHT". That ship was state-of-the-art, and we were asked to train the crew members on the ship and comeback safely which is usually a month and half's work. Going to our ship were excited as were driving to the port we were talking about how we would miss our spouses; we already were making decisions to how to send them emails while we were out in the sea, but little did we know that our wives who were supposed to be stationed for ground duty were posted to the ship due to two officers not able to make it due to health issues; we only got to know that when Kevin showed me the crew list. Initially we were shocked but at the same time happy, our kids were waiting for us near the dock where the ship was anchored and they did not have happy faces at all; both our daughters who looked crossed because in week it was their birthday and, last time we promised them that we will be there for the party. But it did not take them too much time to be back on track and were with our old buddy Lieutenant Mills to pick them up and drop them at the sports camp that they wanted to go. After all the crew and the

necessary equipment and weapons were loaded, we left waving off to our daughters from the helipad at the back of the ship. Kevin's wife Kate and my wife Ashley were more or less like us, I can still remember the day of our marriage that we both found about our wives being best friends like us; I got to say it was an awesome feeling. When we are with our family there is no rules but, on the ship, we have to behave properly to our duties. It was 22nd July around 10 pm, we were sailing back home; I was in my cabin sleeping while Kevin kept watch in place of me. Kate was in the mess having dinner and getting ready to get some rest, while Ashley was on the helm of the ship. That is when my EXO got a message from naval headquarters that an enemy submarine from Kaiser was loose on the seas and we were asked to link up the main task force in two hours, refuel, rearm and get ready for battle. Kevin, did not waste time he immediately woke me up and told me the information he got. Next day morning around 8 am I announced it to the crew on the radio. As, we were closing to the task force we got more information that the submarine was run by a crew of officers who went rogue and were skilled enough to sink an entire fleet. Around mid afternoon we caught up with the task force and sailed with them for a week. Continuous, searches were done by our helicopters and F/A-18 Super Hornets, yet no

results. Every ship in the formation had their sonar operators focused on their displays to report anything suspicious. On July 31st we hit pay dirt, one of our choppers had seen them come up to the surface to let their crew relax out their containment and our helicopter was lucky enough to escape their missiles. A few days later our ship got this submarine trying to sneak in to hit our carrier and we deployed every anti-submarine weapon we had, we did damage her but we were yet to know what was the damage done to it. A couple of days later, one of our fighter jets spotted the enemy boat abandoned since there was no evasive action taken by it, later our helicopters destroyed it with torpedoes. The question still remained where did the crew go, there were a few inhabited islands, maybe they are on them? We were not sure. Not taking any risk we sent out landing teams to search and find out about them, out of five islands we did not find anything on the first four. The following day some of our ship marines, along with some officers which included our wives, and Kevin himself wanted to go because he wanted to go hunting; I would not blame because during the days in the naval academy Kevin always loved shooting and was trained in hand-to-hand combat along with me, our wives who joined in the 2nd successive batch of ours were the same so I decided let them loose. Hours passed by

as the first flare with green colour came up to tell me and ship that they were good and proceeding well. We also had radio, but we did not want the enemy listen us; three hours later we did not see the second flare- I instantaneously knew something was wrong, I tried making radio contact but nothing came back. A few minutes later we saw a huge explosion come up on the eastern side of the island which meant there was trouble; the whole fleet went to RED ALERT and a chopper was deployed to know the situation, it is then we got to know that the search team was pinned into a building with rogue sailors and officers shooting at them from a good range. Then Ashley, radioed saying that they needed help and fast. Our ship was first to respond with our five-inch main gun opening up on the targets called out by the helicopters, the first shot was clear and Kevin and the team got some respite but the we were hesitant on the second shot as Kevin called it, it was too close to their position. Kevin pressed on it saying that if the shot did not come, they would be dead as I heard a bullet fly-by his face; I said a little prayer and ordered the shot and I heard Kev scream "DOWN!", after that there was an utter silence on the radio.... We prayed that they made it through, our task force commander sent another team this was backed up by some of our tanks along with medical personnel; after a tense two minutes we

saw the green flare come up and everyone in the task force breathed a big breath and celebrated. After everyone from our ship I went to back of the ship to helicopter bay where our officers were getting their equipment cleared off their uniform, as we all were excited, we heard a loud thump like abag falling to the floor; when we turned around Kate had fallen down, and she was rushed to the medical bay and I guess Kevin knew what would happen to her. The bullet that had missed him had hit her. Ashley stood near the med bay tensed, Kevin was sitting in his room just knowing how bad it can get. After, an hour Kate was lifted in the chopper and sent to our home base for further treatment that day I asked Kev if he intended to go with her, and he answered in tone that I knew he was crying inside that, she would be fine and he wanted to stay with the ship. On August 15th, we came home our crew members had their family members in their arms including mine, but Kevin rode his motorcycle to hospital with the saddest face I had ever seen him; his six-year-old daughter Claire was sobbing in extreme grief. Kate had passed away as the chopper landed at the home base, my wife Ashley was also in deep sorrow that day and so was my daughter and myself... That day the sorrow, pain and crying that I saw Kevin was the biggest and it bucketed down that day. The very next day he withdrew from the navy, I asked

him for the reason his answer was very simple- "It was an easy decision to make but if I do not make the sacrifice for my daughter now, I will never be a good father to her" in his report that day he took the blame of not asking for the second shot early and saved me from a lot of trouble as he took it upon himself, I was kicking myself for it. The following year I pulled out of the navy and after a week I saw Kev teach his daughter to cook chicken for Christmas that was when we decided to something that ease out those memories, the following day our daughters Claire and Susan gave us the idea for the restaurant you see now for the name they decided to keep it simple but meaningful 'Joy and Peace', joy signifies the time that we had on and off duty with our family and peace signifies the period after grief and anguish". Somers paused for moment and turned to look Sub-Lt. Roseline in a few tears as, hecontinued, "After all these years Kevin has come a long way but we never talked about it, and now when we see Kevin calm instead of a quick-pull-the trigger guy makes all of us feel happy" as they were talking Kevin himself had arrived at work and also picked Claire, Susan and her mother Commander Ashley. As Roseline was preparing to leave Somers asked her what ship was the young lady assigned to she replied, "NAS Jenson" as Kevin came to meet Somers as usual for a Sunday

coffee with family he heard the young woman say the name of the ship he was happy to hear the name of the ship that he once served upon, was still sailing and as Roseline went past Ashely they both saluted each other and as the Claire, Susan, Ashley ,Sommers and Kevin sat for tea, Kev said it in a voice where only the people sitting with them heard; the motto of their ship that he and Sommers were part of along with the present commander of the ship Ashley and their daughters "STRIKE TO WIN THE FIGHT".

### **Meanings:**

1. Executive Officer=Second in command of the ship, in short that officer is called EXO.
2. Task force=Large group of warships assigned to destroy a target.
3. Torpedoes= Under water projectiles that hit the ship below the waterline.
4. Marines= Soldiers who are part of the navy of a country and are more like the army but the infantry contingent of the navy trained to do combat against any targets in the marine environment.
5. Destroyer= A large warship with abilities to face enemies in the air, below and above the sea.

- AX Peter, ME

## **Department of Science & Technology (DST) Funds 2.05 Cr to ATME College of Engineering to Develop a Science Technology and Innovations (STI) HUBS for Rural Development**

**D**epartment of Science and Technology (DST), Science for Equity Empowerment and Development (SEED) Division, Government of India, has sanctioned an amount of Rs. 205Cr(Two crore rupees) to implement the project titled

"Innovative ICT Enabled Co-Working Community Center Design for Rural Development"

The proposed project will be established at ATME College of Engineering Mysuru,

Through this project it is proposed to empower the youths belonging to scheduled caste (SC) and scheduled tribe communities (ST) through the application of science technology and innovations (STI) hubs. The project aims at empowering the youths by providing co working community canter.

The principal investigator of this project is Dr.Mahesh. P.K, professor and Head Department of Electronics and Communication Engineering, ATME

College of Engineering Mysuru and Co-Investigator is Dr. Prakashkuravatti, Associate professor, Department of Electronics and Communication Engineering ATME College of Engineering Mysuru.

The proposed project aims to increase the livelihood of the rural masses and also enhance the socioeconomic status of people of Mysore and nearby vicinity. The project provides innovative solutions for the community living on flue STEREM forces, namely Science research that generates new and/or improved products, New emerging Technologies, New Engineering materials and designs from Government and Social institutions in service chains, Regulations and policies with regard to infrastructure, trade, New Management techniques and business models such as out sourcing sell direct, Supply hub c retail, telemedicine, are invented to enable growth. Through this project ATME College of Engineering will provide a technology enabled community space which is accessible to the local community of the region.

This proposed facility is intended to be internet enabled and will allow 24\*7 accesses to the targeted beneficiaries. This STI Hub will be Technology enabled community center & will ensure sustainable rural livelihood promotion in tune to the particular societal requirements.

In addition to the above facilities like room for cold storage, community-based skill development through online/offline mentoring room for developing prototypes-translation of idea to products will be facilitated. The STI Hub will be a facility for the villagers to become technologically self-sufficient and solve the local community problems using the tools available in the Maker's Space.

The STI Hub will focus on the following streams of training like Advanced Sewing Machine Training Program, Skill Development Programme. Up-Skill Development programme, Training Program for Agri/Electronic Kit to test/analyze/repair/fix and Resolve community problems. The overall objective of implementing this project is for the overall upliftment of the rural youth and society at large.

Honorable chairman of ATME College of Engineering Sri L Arunkumar, and members of management have appreciated and congratulated the effort of members involved in executing the said OST project. Further the management of ATMECE is committed to provide required support to execute this project as per DST guidelines for the benefit of rural population.

# Engineering Tyre Design in Formula-1

Deepak M V S  
Training and Placement Officer

**F**<sub>1</sub> is the pinnacle of motorsport and wants to see its cars operating at the maximum. This is best facilitated by having different tyres that can optimize performance regardless of conditions. The tyres used by an F1 car are heavily engineered and complex – differing dramatically from those used on passenger cars. How they are used throughout the weekend also requires careful thought and planning. Pirelli is the sole tyre supplier for Formula 1. They are one of the very few components that are common amongst all F1 teams. As such, teams spend many hours understanding their characteristics to harvest as much performance out of

Tread refers to the part of the tyre that makes contact with the road. Dry tyres have a 'slick' tread – meaning that the entire surface is smooth to maximise the amount of rubber making contact with the road. Maximum contact between rubber and road equals maximum grip.

Wet tyres, on the other hand, have a 'grooved' tread. The purpose of the grooves is to break the surface tension of any water that is on the road and to displace that water. The intermediate tyre is suitable for when conditions are changeable with at least some moisture on track whilst the extremes are suited for heavy rain. The grooves of an extreme tyre (Fig.1) are more aggressive than the

intermediate. As a result, they can displace up to 65 litres of water per second versus the 30 litres for an intermediate.

The rain covers the track in a layer of water. Instead of the dry tyres gripping onto the road as they would normally, they slide over the layer of water with little to no friction. At its

worst, the car rides completely on the surface of the water (known as aquaplaning) and the driver loses almost all control of the car.

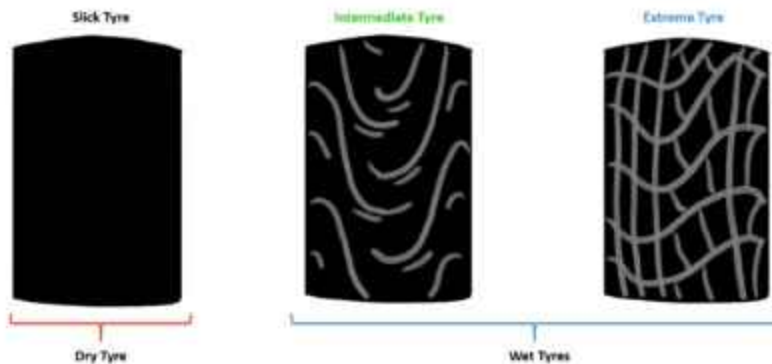


Fig 1 : Tyre Tread Comparison

them as possible.

There are two broad types of tyres: dry tyres and wet tyres. The key difference between them is the style of their tread.

On the flip side, the use of wet tyres on a dry track will result in sub-optimal levels of grip and performance. Normally the rain lowers the temperature of the track and keeps the tyres cold. The grooving of wet tyres helps combat this due to higher friction and allows the tyre to operate at the optimal temperature. This has the opposite effect in the dry, with no cooling from the water, the added friction causes the tyre to overheat and accelerates the degradation process. Tyre degradation refers to the inevitable wearing down of the tyre and loss of grip. In either case, failing to use the right tyre in the right conditions results in poor outcomes.

provides you with more grip at the expense of compromised durability. Durability refers to the life of the tyre and how much stress it can take.

As mentioned the colour markings refer to the softest/hardest available compounds for that weekend. The keyword here is available. In reality, Pirelli constructs 5 different dry compound tyres for F1 as shown in Figure 3. The C1 compound is the hardest (most durable/least grippy) and the C5 compound is the softest (most grippy, least durable) with the others at varying points on the spectrum.

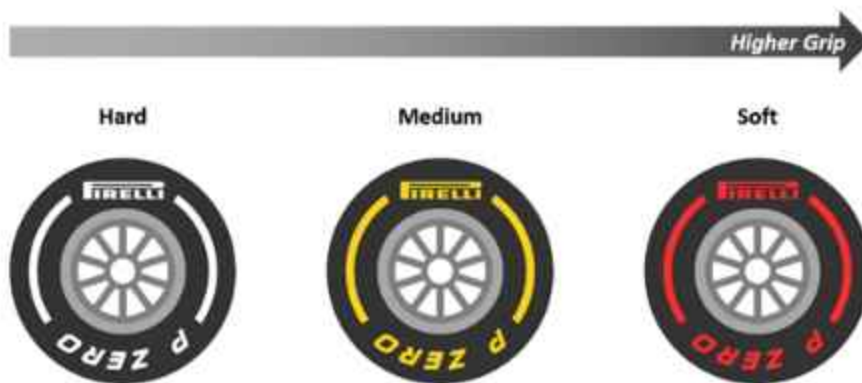


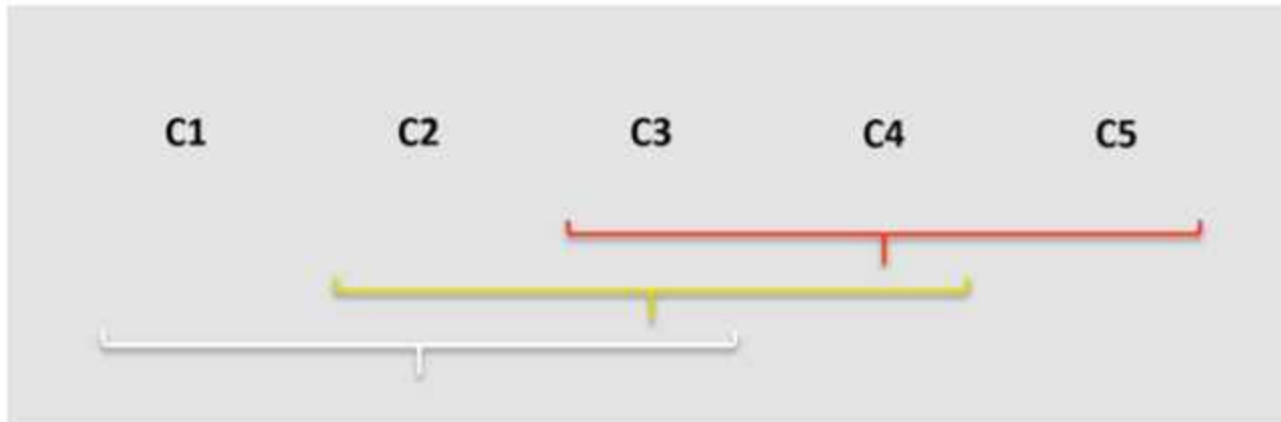
Fig 2: Different Tyre Compounds

Focussing on dry tyres now, the above figure shows the three dry tyre compounds you are likely to see at a Grand Prix weekend. Compound simply refers to the composition of a specific tyre.

The red marked tyre refers to the softest available, the white marked tyre represents the hardest available and medium in the middle. A softer tyre

For each race weekend, Pirelli nominates 3 compounds that will be available to the teams. Once the selection is made, the colour coding is applied afterwards. This way, the red tyre will always

refer to the softest out of the three, the white the hardest and the yellow in between. Figure 3 above also shows the potential ranges for the different coloured tyres. Examples of potential selections include (1) C1=White, C2=Yellow and C3=Red or (2) C2=White, C3=Yellow and C5=Red. Notice for the 2nd selection, there is no requirement saying the compounds must be strictly adjacent.



**Fig 3: Compounds Available Throughout the Year**

### **How much do F1 tyres cost?**

A single set of F1 tyres cost around \$2700. Considering every car is allotted 13 sets of tyres per Grand Prix, as declared by Formula 1, the money spent on them is heavy. The usage of those sets is upon the driving style and decision of the team. Assuming that on an average a single driver uses 10 sets of tyres per Grand Prix that takes the amount to \$270,000.

Moreover, with 21 races per season, this takes it to a staggering amount of \$5.6 million per driver. Thus around \$11 million for every team in a season. This final amount is purely on assumption and can be lower too depending upon the number of sets used by a team.



## ಯುವಜನತೆ ಕೆಲಸದ ಜೊತೆ ಕರ್ತವ್ಯ ನಿರ್ವಹಿಸಬೇಕಿದೆ

ಜಗತ್ತು ಕಂಡ ಹಾಗೂ ಪ್ರಸ್ತುತವಾಗಿ ಕಾಣುತ್ತಿರುವ, ಲಕ್ಷಾಂತರ ಜನರನ್ನು ಆಹುತಿ ತೆಗೆದುಕೊಂಡ, ಹಲವು ದೇಶಗಳ ಆರ್ಥಿಕ ವ್ಯವಸ್ಥೆಯನ್ನು ಕೆಳಕ್ಕೆ ತಳ್ಳಿದ ಅಲ್ಲದೇ ಇನ್ನು ಹಲವಾರು ತೊಂದರೆಗಳ ಜೊತೆಗೆ ಸಂಬಂಧಗಳ ಬೆಲೆಯನ್ನು ತಿಳಿಸಿಕೊಟ್ಟ ಸಾಂಕ್ರಾಮಿಕ ರೋಗ ಕರೊನಾ. ಎಲ್ಲಾ ವೃತ್ತಿಗಳಲ್ಲೂ ಬಹಳ ಒತ್ತಡ ಹಾಗೂ ನಷ್ಟವನ್ನು ಕರೊನಾ ಉಂಟು ಮಾಡಿದ್ದಾದರೂ, ಬಹಳ ಪಾಠಗಳನ್ನು ನಾವು ಕಲಿತಿದ್ದೇವೆ. ಇನ್ನೂ ಕಲಿಯಬೇಕಿದೆ. ಜಗತ್ತೆಲ್ಲಾ ಈ ಮಹಾಮಾರಿಯಿಂದ ಬಳಲುತ್ತಿರುವಾಗ ಅದಕ್ಕೆ ಔಷಧವೆಂಬ ಅಮೃತವನ್ನು ಹಂಚಿ ವಾನವೀಯತೆ ಮೆರೆದ ದೇಶ ನಮ್ಮದು. ಸ್ವಲ್ಪ ಅಂತರ್ಜಾಲದಲ್ಲಿ ಹುಡುಕಿ ಕರೊನಾ ಸಮಯದಲ್ಲಿ ಸಾವಿರಾರು ಮಂದಿ ಸ್ವಯಂಸೇವಕರು, ಸಮಾಜಮುಖಿ ಕೆಲಸ ಮಾಡುವವರು, ವೈದ್ಯರು, ಪೋಲೀಸರು ಇನ್ನೂ ಹಲವರು ಕೈಲಾಗದವರಿಗಾಗಿ ಸೇವೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡು ತಮ್ಮ ಪ್ರಾಣತ್ಯಾಗ ಮಾಡಿದ್ದಾರೆ. ಅವರೂ ಒಂದು ರೀತಿ ಹುತಾತ್ಮರೇ ಅಲ್ಲವೇ?

ಇಲ್ಲಿ ಗಮನಿಸಬೇಕಾದ ವಿಷಯವೆಂದರೆ ಪ್ರಾಣತ್ಯಾಗ ಮಾಡಿದವರಲ್ಲಿ ಬಹುಪಾಲು 25ರಿಂದ 45ವರ್ಷದ ಒಳಗಿನ ಯುವಕರು ಆರ್ಥಾತ್ ಯುವಜನತೆ. ನಾನು ಮುಖ್ಯವಾಗಿ ತಿಳಿಸಲು ಹೊರಟಿರುವುದು ಇದರ (ಯುವಜನತೆಯ) ಬಗ್ಗೆಯೇ. ರೈತನ ರೀತಿ ಯುವಜನತೆಯೂ ಕೂಡ ದೇಶದ ಬೆನ್ನೆಲುಬು. ಎಲ್ಲಾ ರಂಗದಲ್ಲಿಯೂ ಯುವಜನತೆಯ ಅಗತ್ಯ ಬಹಳವಾಗಿಯೇ ಇದೆ. ಉನ್ನತ ಶಿಕ್ಷಣದ ನಂತರ ಸಾಮಾನ್ಯವಾಗಿ ಎಲ್ಲರೂ ಹೆಚ್ಚು ಆದಾಯದ ಕಡೆ ಆಕರ್ಷಿತರಾಗಿ ಬಿಡುತ್ತಾರೆ. ಆದರೆ ಜೊತೆಗೆ ಸಾಧ್ಯವಾಗುವಂತಹ ಸಮಾಜಮುಖಿ ಕಾರ್ಯಗಳನ್ನು ಮಾಡುವವರು ಬಹಳ ವಿರಳ. ಸಮಾಜಮುಖಿ ಕಾರ್ಯಗಳೆಂದರೆ ದೊಡ್ಡಮಟ್ಟದ್ದೇ ಆಗಬೇಕಾಗಿಲ್ಲ. ರಕ್ತದಾನ, ಕೈಲಾಗದವರಿಗೆ ನೆರವು, ವೃದ್ಧಾಶ್ರಮ ಹಾಗೂ ಅನಾಥಾಶ್ರಮಕ್ಕಾಗಿ ಕೈಲಾದ ಮಟ್ಟಿಗೆ ದೇಣಿಗೆ ನೀಡುವಿಕೆ, ಪ್ರಾಣಿ ಸಂಗ್ರಹಾಲಯದಿಂದ ಪ್ರಾಣಿಗಳ ದತ್ತು ಸ್ವೀಕಾರ ಇದೇ ರೀತಿ ಹತ್ತು ಹಲವು ಮನಸ್ಸಿಗೆ ನೆಮ್ಮದಿ ನೀಡುವ ಮಹತ್ತರ ಕಾರ್ಯಗಳಲ್ಲಿ ತೊಡಗಿಸಿಕೊಳ್ಳುವ ಅನಿವಾರ್ಯತೆ ಇದೆ.

ಪೌಢಶಾಲೆಯ ತನಕ ಹತೋಟಿಯಲ್ಲಿರುವ ಮನಸ್ಸು ಶಾಲೇಜು ಸೇರುತ್ತಿದ್ದಂತೆಯೇ ಕವಲೊಡೆದು ಬಿಡುತ್ತದೆ. ಒಂದು ಕಡೆ ಗಮನ ಕೇಂದ್ರೀಕರಿಸಲು ಬಹಳ ಮಂದಿ ಸಾಹಸ ಪಡಲು ಮೊದಲು ಮಾಡುತ್ತಾರೆ. ಸಹವಾಸದಿಂದ ಸನ್ಯಾಸಿ ಕೆಟ್ಟ ಎನ್ನುವ ಹಾಗೇ ಯುವಜನತೆ ಕೆಟ್ಟವರ ಸಹವಾಸದಿಂದ ಅಡ್ಡದಾರಿ ತುಳಿದು ಬಿಡುತ್ತಾರೆ. ಕೆಲವರಿಗೆ ತಿದ್ದಿಕೊಳ್ಳಲು ಸಮಯ ಸಿಗುತ್ತದೆ. ಆದೇ ಇನ್ನು ಕೆಲವರಿಗೆ ಸಮಯ ಮೀರಿ ಹೋಗುತ್ತದೆ. ಅದಾಗಲೇ ಬಹಳ ಕಳೆದುಕೊಂಡಿರುತ್ತಾರೆ ಆಗ ಅವರಿಗೆ ಕಾಣುವ ಸುಲಭೋಪಾಯ ಆತ್ಮಹತ್ಯೆ ಒಂದೇ ಎನಿಸುತ್ತದೆ. ಸ್ವಲ್ಪ ಯೋಚಿಸಿ ಮಹಾನ್ ವ್ಯಕ್ತಿಗಳ ಜೀವನದ ಕತೆಯನ್ನು ಒಮ್ಮೆ ತಿರುವಿಹಾಕಿ. ಸ್ವಾಮಿ ವಿವೇಕಾನಂದರು, ರಾಮಾನುಜನ್, ವಿಶ್ವೇಶ್ವರಯ್ಯ, ಅಬ್ದುಲ್ ಕಲಾಂ ಅಷ್ಟೇ ಯಾಕೆ ನೀವು ನಿಮ್ಮ ರೋಲ್ ಮಾಡೆಲ್ ಎಂದು ಸ್ವೀಕರಿಸಿರುವ ಒಬ್ಬ ನಟ, ವಿಜ್ಞಾನಿ, ಯೋಧ, ವೈದ್ಯ, ರೈತ, ಕ್ರಿಕೆಟರ್ ಆದಿಯಾಗಿ ಯಾವುದೇ ಸೆಲೆಬ್ರಿಟಿ ಇರಬಹುದು ಅಥವಾ ನಿಮ್ಮ ತಂದೆ ತಾಯಿ ಅಥವಾ ಸಂಬಂಧಿಗಳೇ ಇರಬಹುದು, ಅವರ ಬಗ್ಗೆ ತಿಳಿದುಕೊಂಡಾಗ ನಿಮಗೇ ಅರ್ಥವಾಗುತ್ತದೆ. ಅವರಲ್ಲಿ ಬಹುಪಾಲು ಬಹಳ ಕಷ್ಟಪಟ್ಟು, ಅವರಿವರ ನಿಷ್ಠುರಕ್ಕೆ ಗುರಿಯಾಗಿ, ಅವಮಾನ ಅನುಭವಿಸಿದರೂ ತಮ್ಮ ಗೆಲುವಿನ ಗುರಿಯ ಪಯಣವನ್ನು ಅರ್ಥಕ್ಕೆ ಮೊಟಕುಗೊಳಿಸದೇ ಬಹಳ ಎತ್ತರಕ್ಕೆ ಬೆಳೆದು ನಿಂತಿರುತ್ತಾರೆ. ಅವರಿಗೂ ಅಡ್ಡದಾರಿ ತೋರಿದವರು, ಮೋಸ ಮಾಡಿದವರು ತುಂಬಾ ಜನ. ಆದರೆ ಮಹಾನ್ ವ್ಯಕ್ತಿಗಳೆನಿಸಿಕೊಂಡವರು ಅದನ್ನೆಲ್ಲಾ ಮೆಟ್ಟಿ ನಿಂತಿರುತ್ತಾರೆ. ಓದು ಮುಗಿಸಿದ ನಂತರ ಅದಕ್ಕೆ ತಕ್ಕ ಕೆಲಸ ಸಿಗಬಹುದು ಇಲ್ಲವೇ ಸಿಗದಿರಬಹುದು, ಅದರಿಂದ ನಿರಾಸೆಗೊಂಡು ಪ್ರಯತ್ನವನ್ನೇ ಬಿಟ್ಟುಬಿಟ್ಟರೆ ಹಲವು ಉತ್ತಮ ಅವಕಾಶಗಳು ಕೈ ಜಾರಬಹುದು. ಸೂರ್ಯ ಎಂಬ ತೆಲುಗು ವೆಬ್ ಸರಣಿಯ (ಸೀರೀಸ್)ನ್ನು ಸಾಧ್ಯವಾದರೆ ಒಮ್ಮೆ ನೋಡಿ. ಕೆಲಸಕ್ಕಾಗಿ ಅವನು ಪಡುವ ಪರಿಪಾಟಲು, ಅನುಭವಿಸುವ ಅವಮಾನಗಳು ಒಂದು ಅದ್ಭುತ ನೀತಿಯನ್ನು ನೀಡುತ್ತದೆ ಈ ವೆಬ್ ಸರಣಿ(ಸೀರೀಸ್). ನಾವು ಬಹಳ ಬಾರಿ ನಮ್ಮದೇ ಪ್ರಪಂಚದಲ್ಲಿ ಬಾವಿಯೊಳಗಿನ ಕಪ್ಪೆಯಂತೆ ಬದುಕಿರುತ್ತೇವೆ, ಅದನ್ನು ಹೊರತಾಗಿ ಬೇರೆ ಪ್ರಪಂಚವಿದೆ ಎಂದು ತಿಳಿಯುವುದೊರಳಗಾಗಿ ಜೀವನ ಮುಗಿದಿರುತ್ತದೆ.

ಯುವಜನತೆಯ ಸಾಮಾಜಿಕ ಜವಾಬ್ದಾರಿ ತುಂಬಾ ಇದೆ. ಆರ್ಥಿಕ ವ್ಯವಸ್ಥೆಯನ್ನು ಮೇಲೆತ್ತಲು ತ್ವರಿತವಾಗಿ ಒಗ್ಗಟ್ಟಿನಿಂದ ಮುಂದುವರೆಯಬೇಕಿದೆ. ಕೃಷಿ, ಚಲನಚಿತ್ರ, ಮನರಂಜನೆ, ರಾಜಕೀಯ, ವ್ಯವಹಾರ, ಆಡಳಿತ, ಆರಕ್ಷಕ ಅಷ್ಟೇ ಅಲ್ಲದೇ ಎಲ್ಲಾ ವೃತ್ತಿಗಳಲ್ಲಿ, ರಂಗದಲ್ಲಿ ಯುವಜನತೆ ಪ್ರಮುಖ ಪಾತ್ರ ವಹಿಸಬೇಕಿದೆ. ತಮ್ಮ ಕೆಲಸದ ಜೊತೆ ಸಣ್ಣಪುಟ್ಟದಾಗಿ ಬೇರೆಯವರಿಗೆ ನೆರವಾಗುವ ಕಾರ್ಯದೊಂದಿಗೆ ತಮ್ಮ ಮಿಷಿಯನ್ನು ಕಾಣಬೇಕಿದೆ. ಯುವಜನತೆಗೆ ಮಾರ್ಗದರ್ಶನ ನೀಡುವ ಹಲವಾರು ವ್ಯಕ್ತಿಗಳ ಜೊತೆಗೆ ಸಂಘ - ಸಂಸ್ಥೆಗಳು ಪ್ರಸ್ತುತ ಬಹಳ ಕಡೆ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿವೆ. ಅದನ್ನು ಚೇತನಾ, ಅಕ್ಷಯ ಪಾತ್ರ ಅಲ್ಲದೇ ಬಹಳ ಸಂಸ್ಥೆಗಳು ಪ್ರತಿನಿತ್ಯ ಒಂದಷ್ಟು ಕೈಲಾಗದ, ನಿರ್ಗತಿಕ ಜನರ ಆಹಾರವನ್ನು ಯಾವುದೇ ಪ್ರತಿಫಲಾಪೇಕ್ಷೆ ಇಲ್ಲದೇ ಪೂರೈಸುತ್ತಿದ್ದಾರೆ. ಅವರ ಜೊತೆ ನಮ್ಮ ಸ್ವಯಂಸೇವೆಯ ಸಹಾಯಹಸ್ತ ಸೇರಿದರೆ ಇನ್ನಷ್ಟು ನೆರವು ನೀಡಬಹುದಲ್ಲವೇ?

ಡಾ.ಎ.ಪಿ.ಜೆ.ಅಬ್ದುಲ್ ಕಲಾಂರವರು ಹೇಳುವಂತೆ "Youths are not useless, They are used less" (ಯೂತ್ಸ್ ಆರ್ ನಾಟ್ ಯೂಸ್ಲೆಸ್, ದೆ ಆರ್ ಯೂಸಡ್ ಲೆಸ್) ಅಂದರೆ "ಯುವಜನತೆ ನಿಷ್ಪಯೋಜಕರಲ್ಲ, ಅವರು ಕಡಿಮೆ ಉಪಯೋಗಿಸಲ್ಪಡುತ್ತಾರೆ". ಕಲಾಂರವರು ಹೇಳುವಂತೆ ನಮ್ಮ ಅವಕಾಶಗಳನ್ನು ಹಲವು ಬಾರಿ ನಾವೇ ಸೃಷ್ಟಿಸಿಕೊಳ್ಳಬೇಕಾದ ಪರಿಸ್ಥಿತಿ ಇದೆ. ಅವಕಾಶಗಳನ್ನು ಸೃಷ್ಟಿಸಿಕೊಂಡು, ಕೆಲಸವನ್ನು ಮಾಡಿಕೊಂಡು ಅದರ ಜೊತೆ ಪರೋಪಕಾರದ ವಿನಯವನ್ನು ತೋರುವುದೋ? ಇಲ್ಲವೆಂದರೆ ಯೂಸ್ಲೆಸ್ ಅರ್ಥಾತ್ ನಿಷ್ಪಯೋಜಕರಾಗುವುದೋ ಯೋಚಿಸಿ ಮುಂದುವರಿದರೆ ಒಳಿತು...

## ಜೀವನದಲ್ಲಿ ತಾಳ್ಮೆ ಅತ್ಯವಶ್ಯ

ಸಾಮಾನ್ಯವಾಗಿ ನಾವೆಲ್ಲರೂ ಕಾಗೆ ಹಾಗೂ ಹೂಜಿಯ ಕತೆ ಕೇಳಿರುತ್ತೇವೆ. ಬಾಯಾರಿಕೆಗೊಂಡ ಕಾಗೆಗೊಂದು ನೀರಿನಿಂದ ತುಂಬಿದ ಹೂಜಿ ಕಾಣುತ್ತದೆ. ಕಾಗೆ ಸುತ್ತಲೂ ಕಂಡ ಸಣ್ಣಪುಟ್ಟ ಕಲ್ಲುಗಳನ್ನು ಕೊಕ್ಕಿನಲ್ಲಿ ಕಚ್ಚಿ ತಂದು ಹೂಜಿಯಲ್ಲಿ ಹಾಕುತ್ತಾ, ಕಲ್ಲುಗಳು ಒಳಕ್ಕೆ ಹೋದಂತೆ ಮೇಲೆ ಬಂದ ನೀರನ್ನು ಕುಡಿದು ಬಾಯಾರಿಕೆ ತಣಿಸಿಕೊಂಡು ಹಾರಿ ಹೋಗುತ್ತದೆ. ಇದು ಕಲ್ಪನೆಯೂ ಇರಬಹುದು ಇಲ್ಲಾ ನಿಜ ಘಟನೆಯೂ ಇರಬಹುದು, ಅದನ್ನು ಪಕ್ಕಕ್ಕೆ ಇಡೋಣ. ಈ ಕತೆಯನ್ನು ಬಲ್ಲ ಎಲ್ಲರೂ ಕಾಗೆಯ ಉಪಾಯವನ್ನು ನೀತಿಯಾಗಿ ಹೇಳುತ್ತಾರೆ. ಆದರೆ ಉಪಾಯವಷ್ಟೇ ಇದ್ದು ತಾಳ್ಮೆ ಇರದಿದ್ದರೆ ನೀರನ್ನು ಕುಡಿಯಲು ಕಾಗೆಗೆ ಸಾಧ್ಯವಾಗುತ್ತಿರಲಿಲ್ಲ.

ಅದೇನೋ ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ತಾಳ್ಮೆ ನಶಿಸಿ ಹೋಗುತ್ತಿರುವಂತೆ ಭಾಸವಾಗುತ್ತಿದೆ. ಸ್ವಾಮಿ ವಿವೇಕಾನಂದ, ವಿಶ್ವೇಶ್ವರಯ್ಯ, ಅಬ್ದುಲ್ ಕಲಾಂ ರಂತಹ ಮಹಾನ್ ವ್ಯಕ್ತಿಗಳನ್ನು ಆದರ್ಶವಾಗಿ ಕಾಣುವವರಿಗೆ ಅವರಂತೆಯೇ ಹಂತ ಹಂತವಾಗಿ ಮೇಲೇರುವ ತಾಳ್ಮೆಯೇ ಇರುವುದಿಲ್ಲ. ಎಲ್ಲಾ ಆತುರಕ್ಕೆ ಆಗಿಬಿಡಬೇಕೆಂಬ ತರಾತುರಿ. ನಿಧಾನವಾಗಿ ಪರಿಶ್ರಮಕ್ಕೆ ಸಂದ ಯಶಸ್ಸು ಕಡೆತನಕ ಇರುತ್ತದೆ. ಅವಸರವೇ ಅಪಘಾತಕ್ಕೆ ಕಾರಣವೆಂದು ನಾವೆಲ್ಲಾ ಕೇಳಿದ್ದೇವೆ. ಕೋಪ ಬಂದಾಗ, ನಿರ್ಧಾರ ತೆಗೆದುಕೊಳ್ಳುವ ಸಮಯದಲ್ಲಿ ಸ್ವಲ್ಪ

ತಾಳ್ಮೆ ವಹಿಸಿದರೆ ತುಂಬಾ ಒಳ್ಳೆಯದು. ಬಹುಪಾಲು ಅವಸರವಾಗಿ ತಾಳ್ಮೆವಹಿಸದೆ ತೆಗೆದುಕೊಳ್ಳುವ ತೀರ್ಮಾನ ತೊಂದರೆಯನ್ನು ತರಬಹುದು. ಕೆಲವೊಬ್ಬರಿಗೆ ವಿದ್ಯಾಭ್ಯಾಸ ಮುಗಿಸಿದ ತಕ್ಷಣ ಕೆಲಸ ದೊರಕುತ್ತದೆ, ಕೆಲವೊಬ್ಬರಿಗೆ ಬಹಳ ಪ್ರಯತ್ನಪಟ್ಟರೂ ಸಿಗುವುದಿಲ್ಲ. ಕೆಲಸ ಸಿಗುವ ಸಮಯಕ್ಕಾಗಿ ಬಹಳ ತಾಳ್ಮೆಯಿಂದ ಕಾಯಲೇಬೇಕು. ಇಬ್ಬರ ಮಧ್ಯೆ ಪ್ರತಿನಿತ್ಯ ಜಗಳ ನಡೆಯುತ್ತಿರುತ್ತದೆ. ಅದು ಸಂಸಾರದ ವಿಚಾರಕ್ಕೋ ಅಥವಾ ಪ್ರೀತಿಯ ವಿಚಾರಕ್ಕೋ ಮತ್ತೊಂದಕ್ಕೋ ಅತ್ತಕಡೆ ಇರಲಿ. ಅಲ್ಲಿ ಪರಸ್ಪರ ಸಾಂತ್ವನದ ಅಗತ್ಯ ಇರುತ್ತದೆ. ಹೇಳುವುದನ್ನು ಸಾವಕಾಶವಾಗಿ ಕೇಳುವುದು ಬೇಕಿರುತ್ತದೆ. ಆ ಸಮಯದಲ್ಲಿ ತಾಳ್ಮೆ ವಹಿಸಿ ಒಬ್ಬರು ಹೇಳುವುದನ್ನು ಇನ್ನೊಬ್ಬರು ಕೇಳಿಬಿಟ್ಟರೆ ಕೆಲವೇ ಸಮಯದಲ್ಲಿ ತಪ್ಪು ತಿಳುವಳಿಕೆ ಮಾಯವಾಗುತ್ತದೆ.

ವಿದ್ಯಾರ್ಥಿಗಳು ಪರೀಕ್ಷೆ ಸಮಯದಲ್ಲಿ ತಾಳ್ಮೆಯಿಂದ ಗಾಬರಿಯಾಗದೆ ಓದುವುದು ಅಗತ್ಯ. ಎಲ್ಲಾ ಒಂದಕ್ಕೊಂದು ಸಂಬಂಧಿಸಿರುವುದರಿಂದ ಪ್ರತಿಯೊಂದು ಕ್ಷಣ, ಪ್ರತಿ ದಿನ, ಪ್ರತಿ ಸ್ಥಳಗಳಲ್ಲಿಯೂ ತಾಳ್ಮೆ ಅತ್ಯವಶ್ಯ. ಆತುರದಿಂದ, ಕೋಪದಿಂದ, ಗಾಬರಿಯಿಂದ ನಮಗೆ ಸಿಗುವ ಅವಕಾಶಗಳನ್ನು, ಸಂಬಂಧಗಳನ್ನು ಕಳೆದುಕೊಳ್ಳದೆ ತಾಳ್ಮೆವಹಿಸಿ ಎಲ್ಲವನ್ನೂ ಪಡೆದುಕೊಳ್ಳಲು ಸರಿಯಾದ ಸಮಯಕ್ಕೆ ನಿರೀಕ್ಷಿಸೋಣ.

## ಕಿವಿ ಮಾತು ನಮ್ಮ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ

ರವಿ ಕೆ.ಕೆ ಎಂ.ಎ  
ಅಸಿಸ್ಟೆಂಟ್ ಇನ್‌ಸ್ಟ್ರಕ್ಟರ್  
ಮೆಕಾನಿಕಲ್ ವಿಭಾಗ  
ಎ.ಟಿ.ಎಂ.ಇ.ಸಿ.ಇ ಮೈಸೂರು



ನಾವು ವಾಸಿಸುತ್ತಿರುವ ಪ್ರದೇಶದ ಸುತ್ತಮುತ್ತಲಿರುವ ಚರಾಚರ ವಸ್ತುಗಳನ್ನು ಪರಿಸರ ಎನ್ನುತ್ತೇವೆ. ವಿದ್ಯಾರ್ಥಿಗಳು ತಮ್ಮದೇ ಆದ ಸೀಮಿತ ವಿಧಾನಗಳಿಂದಲೂ ಪರಿಸರಕ್ಕೆ ದೊಡ್ಡದಾದ ಕೊಡುಗೆಗಳನ್ನು ನೀಡುವುದು ಸಾಧ್ಯವಿದೆ. ಒಂದು ಸಣ್ಣ ಉದಾಹರಣೆಗೆ ನಾವು ನೀವು ದಿನನಿತ್ಯ ಬಳಸುವ ಕಾಗದ ಹಾಗೂ ನೋಟ್‌ಬುಕ್‌ಗಳ ಸರಿಯಾದ ಬಳಕೆ :- ಕಾಗದವನ್ನು ತಯಾರು ಮಾಡಲು ಅಪಾರ ಪ್ರಮಾಣದ ಮರಗಳನ್ನು ಕಡಿಯಬೇಕಾಗುತ್ತದೆ ಹಾಗೂ ಅದನ್ನು ಬಿಳುವಾಗಿಸಲು ಹೆಚ್ಚಿನ ಪ್ರಮಾಣದ ನೀರು, ಸುಣ್ಣ ಮುಂತಾದ ನೈಸರ್ಗಿಕ ವಸ್ತುಗಳನ್ನು ಬಳಸಲಾಗುತ್ತದೆ. ಇಷ್ಟೆಲ್ಲಾ ಶ್ರಮವಹಿಸಿ ತಯಾರಿಸಲಾದ ಕಾಗದಗಳನ್ನು ಹಾಗೂ ನೋಟ್ ಪುಸ್ತಕಗಳನ್ನು ನಾವು ನೀವುಗಳು ಸರಿಯಾದ ರೀತಿಯಲ್ಲಿ ಬಳಸುವುದಿಲ್ಲ. ಕಾಗದದ ಎರಡು ಬದಿಗಳನ್ನು ಬಳಸಿ ಕೊಳ್ಳುವುದು ಮತ್ತು ಮುಂತಾದ ವಿಧಾನಗಳಿಂದ ಪರಿಸರವನ್ನು ಸಂರಕ್ಷಿಸಿಕೊಳ್ಳೋಣ...



ಮನಸ್ಸಿನ ನ್ಯಾಯಾಲಯದಲ್ಲಿ  
ಮನಸ್ಸಾಕ್ಷಿಯೇ ನ್ಯಾಯಾಧೀಶ..

## ನೆಪಗಳನ್ನು ಹೇಳುವುದನ್ನು ನಿಲ್ಲಿಸಿ

- ನನಗೆ ಸರಿಯಾದ ಶಿಕ್ಷಣ ಸಿಗಲಿಲ್ಲ ಎಂದು ನೀವು ಕೊರಗುತ್ತಿದ್ದರೆ ಒಮ್ಮೆ ಪೋರ್ಟ್ ಮೋಟಾರ್ ಕಂಪನಿ ಮಾಲಿಕರಾದ "ಹೆನ್ರಿ ಪೋರ್ಟ್" ಅವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ ಅವರಿಗೆ ಉಚಿತ ಶಿಕ್ಷಣ ಸಿಕ್ಕಿರಲಿಲ್ಲ. ಅವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನಾನು ಚಿಕ್ಕವನಿರುವಾಗಲೇ ನನ್ನ ತಂದೆ ತೀರಿಕೊಂಡರು : ಒಮ್ಮೆ ಅಸ್ಕರ್ ವಿಜೇತ ಸಂಗೀತ ನಿರ್ದೇಶಕ ಎ.ಆರ್.ರೆಹಮಾನ್ ಅವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನಾನು ಬಡ ಕುಟುಂಬದಲ್ಲಿ ಜನಿಸಿರುವೆ : ಭಾರತದ ಮಾಜಿ ರಾಷ್ಟ್ರಪತಿ, ವಿಜ್ಞಾನಿ ಡಾ.ಎ.ಪಿ.ಜೆ.ಅಬ್ದುಲ್ ಕಲಾಂ ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನನ್ನ ಅರ್ಧ ಜೀವನ ಸೈಕಲ್ ಮೇಲೆಯೇ ಕಳೆದು ಹೋಯಿತು : ವಾಶಿಂಗ್ ಪೌಡರ್ ನಿರ್ಮಾ ಕಂಪನಿ ಮಾಲಿಕರಾದ ಕರ್ಸನ್ ಬಾಯಿ ಪಟೇಲ್ ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನನಗೆ ಬಾಲ್ಯದಿಂದಲೇ ಎಲ್ಲರೂ ಮಂದ ಬುದ್ಧಿ ಎಂದು ಹಿಯಾಳಿಸುತ್ತಿದ್ದರು : ಥಾಮಸ್ ಆಲ್ವಾ ಎಡಿಸನ್ ಅವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನಾನೊಂದು ಚಿಕ್ಕ ನೌಕರಿ ಮಾಡುತ್ತಿರುವೆ, ಅದರಿಂದ ಏನಾಗುತ್ತದೆ : ದೀರು ಬಾಯಿ ಅಂಬಾನಿ ನೆನಪಿಸಿಕೊಳ್ಳಿ.
- ನನ್ನ ಕಂಪನಿ ಅಥವಾ ನಾನು ಕೂಡಿಟ್ಟ ಹಣವೆಲ್ಲ ದಿವಾಳಿಯಾಯಿತು : ಪೆಪ್ಸಿ ಕಂಪನಿ ಎರಡು ಬಾರಿ ದಿವಾಳಿ, ಮತ್ತೆ ಈಗ ನಂಬರ್ ಒನ್ ಸ್ಟಾನದಲ್ಲಿದೆ.
- ನನ್ನತ್ತ ಸಾಕಷ್ಟು ದುಡ್ಡಿಲ್ಲ : ಇನ್ನೋಸಿಸ್ ಸಹ ಸಂಸ್ಥಾಪಕರಾದ ನಾರಾಯಣ ಮೂರ್ತಿ ಅವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ, ತಮ್ಮ ಮಡದಿಯ ಒಡವೆಗಳನ್ನು ಮಾರಿ ಬ್ಯುಸಿನೆಸ್ ಪ್ರಾರಂಭ ಮಾಡಿದರು.
- ಜಿಲ್ ಗೇಟ್ಸ್ : ಇವರನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳಿ, ಯಾವ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ರ್ಯಾಂಕ್ ಗಳಿಸಲಿಲ್ಲ. ಆದರೆ ಎಲ್ಲಾ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ರ್ಯಾಂಕ್ಸ್ ಅವರ ಕಂಪನಿಯಲ್ಲಿ ಅವರ ಕೈಕೆಳಗೆ ಕೆಲಸ ಮಾಡುತ್ತಿದ್ದಾರೆ.

ಹೀಗೆಯೇ ಸಾವಿರಾರು ಉದಾಹರಣೆಗಳನ್ನು ಕೊಡಬಹುದು. ಸೋಲದೇ ಗೆದ್ದವರು ಯಾರು ಇಲ್ಲ. ನಿಮ್ಮ ಕೊರತೆಗಳಿಗೆ ಕೊರಗದೆ ನಿಮ್ಮ ಗುರಿಯೆಡೆಗೆ ಗಮನ ಹರಿಸಿ, ಧೈಯವಾಗಿ ಮುನ್ನುಗ್ಗಿ, ನೆಪಗಳನ್ನು ಹೇಳಿ ನಿವುಗೆ ನೀವೆ ವಂಚಿಸಿಕೊಳ್ಳಬೇಡಿ.

## ಸತ್ಯ ಅಸತ್ಯಗಳ ನಡುವೆ

ಸತ್ಯ ಅಸತ್ಯಗಳ ನಡುವೆ  
ಸಾಮಾನ್ಯರ ಬದುಕಂತೆ  
ಸತ್ಯದ ದಾರಿಯಲ್ಲಿದ್ದರೆ ಬದುಕು ಬರಡಂತೆ  
ಮಿಥ್ಯದ ದಾರಿಯಲ್ಲಿದ್ದರೆ ಬದುಕು ಸೊಗಸಂತೆ  
ಒಮ್ಮೆಲೇ ಕಾಣುವ ಮರುಭೂಮಿಯ  
ಮರೀಚಿಕೆಯಂತೆ  
ಒಟ್ಟಿನಲ್ಲಿ ಬದುಕೆಂಬುವುದು;  
ನ್ಯಾಯದೇವತೆಗೆ ಕಟ್ಟಿರುವ ಕಪ್ಪುಪಟ್ಟಿಯಂತೆ  
ಪಟ್ಟ ಕಟ್ಟಿದರೆ ಸೆರೆಮನೆಯಂತೆ;  
ತೆರೆದರೆ ಅರಮನೆಯಂತೆ  
ಇವೆರಡರ ನಡುವಿನ ಸಂಬಂಧ  
ತಿಳಿವುದೇ ಜೀವನದ ಹೋರಾಟವಂತೆ  
ಇವೆಲ್ಲವುಗಳ ನಡುವೆ ತಿಳಿವುದು;  
ಶತಾಯುಷ್ಯದಲ್ಲಿ ಮನುಷ್ಯನ ಅರ್ಥಾಯುಷ್ಯವಂತೆ  
ಇದೇ ಜೀವನದ ಅರ್ಥವಂತೆ .....

ಭಾಂದವ್ಯಕ್ಕೆ ಸಿಲುಕಿದ ಕೈಗಳನ್ನು ಬಿಡಿಸಲಾಗದು  
ಎಂದಿಗೆ ಮರೆಯಾಗುವುದೋ ತಿಳಿಯೆನು ನಾ  
ಆದರೂ ಸಹ  
ಇಷ್ಟು ವಸಂತಗಳುಳಿದರು;  
ನಿಂತಿಹಳು ನನ್ನದೆಯ ನಂದನವನದಲ್ಲಿ  
ಎಂದಿಗೆ ಮರೆಯಾಗುವಳೋ ನಾನರಿಯೇ  
ಬೆರಳ ಹಿಡಿದು ನಡೆಸಿದಳು;  
ಇಷ್ಟು ವಸಂತಗಳಾದರು  
ಬೇಡುವೆನು ನಾ ಆ ಕೈಗಳ  
ಎಂದಿಗೂ ಮರೆಯಾಗದಿರಲಿ  
ಆ ಗುಪ್ತಗಾಮಿನಿಯಂತೆ .....

ಒಂದು ಒಳ್ಳೆಯ ಪುಸ್ತಕ ನೂರು  
ಉತ್ತಮ ಸ್ನೇಹಿತರಿಗೆ ಸಮ ಆದರೆ ಒಬ್ಬ  
ಒಳ್ಳೆಯ ಸ್ನೇಹಿತ ಒಂದು  
ಗ್ರಂಥಾಲಯಕ್ಕೆ ಸಮಾನ



ಗೆಲ್ಲವವರೆಗೆ  
ಸೋಲುಗಳನ್ನೇ  
ಸಾಧನೆ ಎಂದು  
ತಿಳಿದು ಮುನ್ನಡಿ

ನಿಮ್ಮ  
ಸಂತೋಷಕ್ಕಾಗಿ  
ಜೀವಿಸಿ  
ಇತರರ  
ಸಂತೋಷಕಲ್ಪ.

## Testimonial by Alumni

**Siddiq Ahmed Khan, Oracle Tech Developer, KPMG Global Services**

**A**t the very outset I would like to express my heartiest thanks to the ATME family.

I extend my warm regards to my department, The Dept. of Electrical & Electronics Engineering which has immensely helped me to succeed.

It was a wonderful experience at ATME College of Engineering with an excellent exposure provided across the various platforms. The Head of the Department and faculty are very supportive and encourage students to push boundaries to rise above expectations. ATME targets for an overall development of every student, be it education, cultural awareness or practical exposure of business world like industrial exposure.

The placement activities are pretty much good and come up with training on how to conduct oneself and face interviews confidently.

The ambience of the campus is very positive and the whole experience is very good and there has always been support and motivation from the departments to pursue our dreams.



**Sanjana S, Software Engineer, IDEMIA (formerly Morpho S.A.S)**

**A**TMECE has been nothing less than what I had hoped for. Supportive faculties, beautiful campus, quality of education and amazing friends. It's everything one need from a college, It has thought me things far beyond bookish knowledge and helped in broaden my horizon. In additional to professional training, they also serve as a platform to exhibit talent in sports and other extracurricular activities, which helps in overall development of students.

I have learnt a lot and enjoyed a lot. I feel so glad that our college got NBA accredited within a short period of time. It was really my great journey in ATME in the department of EEE. Very big thanks to all my faculties and friends for this amazing journey. Feels so pleasure to carry a bag full of memories and to be a part of this institution.

**The voice from Heaven  
back to Heaven**

**Forever**

**S.P.Balasubramanyan**



**ART BY,  
CARTOONIST  
PADMANABHA.K**





# Sketches, Photography and Paintings



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# Artists of Sketches, Photography and Paintings

1. Aathiqa Fathima, 4AD20EE001
2. Delphina, 4AD20EC017
3. Sahana, EEE
- 4 .Ranjitha C
5. Lakshmi Priya, 4AD19CV025
6. Pavan Thejasvi R
7. Rakshith M S, 4AD19ME456, ME, 6th Sem
8. Sahana H M
9. Jeevan P B, 4AD17ME024, ME, 8th Sem
10. Yashwanthkumar K, 4AD18ME056, ME, 6th Sem



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