



Suresh Angadi Education Foundation's
ANGADI INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Savagaon Road, Belagavi – 590 009.
Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)
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DRISHTI

E-Newsletter



Department of Electronics and Communication
Engineering

Second Quarter E – Newsletter -2020-21

Head of the Institute	Message
 <p>Dr. Anand Deshpande Principal & Director, AITM</p>	<p>An Institute is assessed on the basis of the Academic ambience and outcome of the system in terms of performance and achievements of the students and staff in teaching-learning, research, innovation, Placements, and results. AITM has been known for its Academic credentials coupled with holistic growth in all directions. The new generation of competent minds must imbibe knowledge and practically they should comprehend the art of balancing brilliant technical, managerial communication, and interpersonal skills, nest. The Institute has achieved a series of milestones with the help of brilliant students, dedicated staff, and encouraging Management. We promise a wonderful experience of rich Academic and Excellent facilities coupled with professional practices and blended with an affectionate concern for our Students.</p>
Head of the Department	Message
 <p>Mr. Raviraj Chougala HOD</p>	<p>Welcome to the department of Electronics and Communication Engineering at Angadi Institute of Technology and Management, Belagavi. The Department was established in the year 2009 with the aim of providing leadership in the field of Electronics & Communication Engineering with an intake of 60 students. The department is located in a sprawling environment with a state of art facilities and highly qualified faculty. The department works with the objective of addressing critical challenges faced by the Industry, Society and the Academia. Perhaps even more important is our unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career.</p>

Institute Vision and Mission

Vision:

To become a premier institute committed to academic excellence and global competence for the holistic development of students.

Mission:

- M1: Develop competent human resources, adopt outcome-based education (OBE) and Implement cognitive assessment of students.
- M2: Inculcate the traits of global competencies (such as domain expertise, Accountability, ethics, problem solving ability, communication skills, leadership Qualities and life-long learning) amongst the students.
- M3: Nurture and train our students to have domain knowledge, develop the qualities of global professionals and to have social consciousness for holistic development.

Department Vision and Mission

Vision:

To impart quality and responsive education in Electronics and Communication Engineering for the overall development of students to meet the global challenges.

Mission:

- M1: Adopt a transformative teaching-learning pedagogy to empower our students with domain knowledge and practical skills in resonance with technological developments.
- M2: Impart multi-disciplinary knowledge, and train our students to develop the relevant professional competency skills.
- M3: Create a cogent ambiance to comprehend the technical and management principles, and the efficacy of life-long learning.

Webinar on "Speech Enhancement"

The Department of ECE organized a webinar on "Speech Enhancement" by Dr. Shridhar. K, Department of Electronics and Communication Engineering, BEC, Bagalkot on 11th november 2020 at Angadi Institute of Technology and Management, Belagavi. Speech enhancement aims to improve speech quality by using various algorithms. Speech is the most sophisticated signal naturally produced by humans. A speech signal carries linguistic information for the sharing of information and ideas. It allows people to express emotions and verbally share feelings. It is the most fundamental form of communication among humans. The aim of digital speech processing is to take advantage of digital computing techniques to

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Sarangam Road, BELAGAVI - 590 009.
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Webinar On
"SPEECH ENHANCEMENT"
Organized by
Department of Electronics &
Communication Engineering

Dr. Shridhar S. Kuntoji
Professor, ECE,
Basaveshwar Engineering College, Bagalkot

11th November 2020 @ 11:00 AM
(Wednesday)

For more info contact: 9448160931

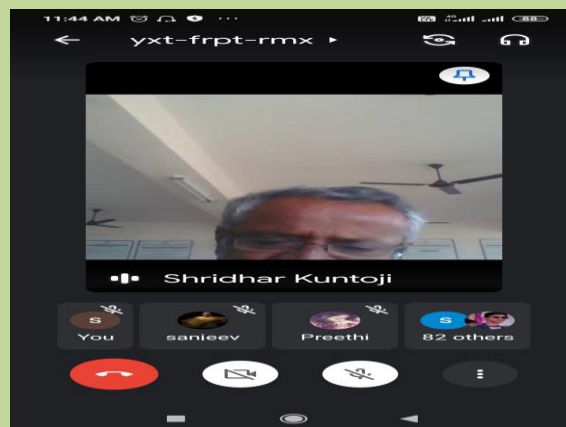
Prof. Raviraj Chougale
HOD, E & C

Dr. Anand Deshpande
Principal & Director, AITM

Registration link
<https://forms.gle/4w5vdiSchEVozXaA>

Google Meet
<https://meet.google.com/yxt-frpt-rmx>

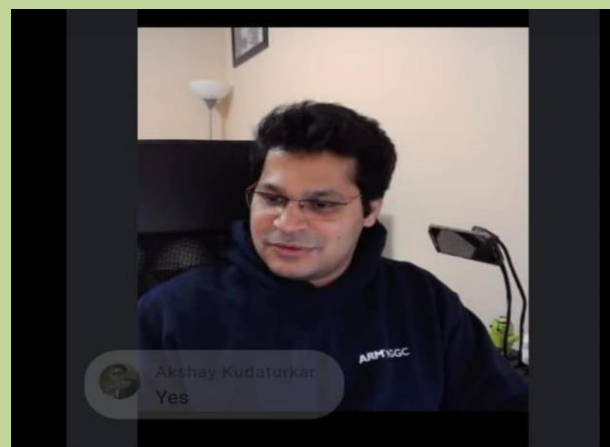
Campus : Sarangam Road, Belagavi - 590 009. ☎ 0831 - 2438100, 2438123. Fax: 0831-2438197
Web Site: www.aitm.ac.in; E-mail: director.aitm@gmail.com



process the speech signal for increased understanding, improved communication, and increased efficiency and productivity associated with speech activities. The objective of enhancement is improvement in intelligibility and or overall perceptual quality of degraded speech signal using audio signal processing techniques. Enhancing of speech degraded by noise or noise reduction is the most important field of speech enhancement and used for many applications such as mobile phones, VoIP, teleconferencing systems, speech recognition and hearing aids.

Webinar on "Insights of Embedded Systems & Embedded Software Development – Engineer's Perspective"

The Department of ECE organized a webinar on "Insights of Embedded Systems & Embedded Software Development – Engineer's Perspective" by Mr. Shrikant Tudavekar, Senior Embedded Software Engineer, NVidia, California, USA on 21st november 2020 at Angadi Institute of Technology and Management, Belagavi. Embedded systems control many devices in common use today. Since the embedded system is dedicated to specific tasks, design engineers can optimize it to reduce the size and cost of the product and increase the reliability and performance. Some embedded systems are mass-produced, benefiting from economies of scale. Embedded Software Engineering is the process of controlling various devices and machines that are



different from traditional computers, using software engineering. The applications of embedded systems include home appliances, office automation, security, telecommunication, instrumentation, entertainment, aerospace, banking, finance and automobiles.

Student Articles

WHY ARE DRUGS CONSIDERED PERILOUS?

The expression “drugs” itself drives a ton of consideration towards itself. Prior, the term ‘drugs’ was alluded to dried pieces of plants that had an intoxicant impact. They were utilized for restorative purposes. Yet, today, this term likewise incorporates those substances which incite a condition of fantastic absent mindedness and are hence regularly utilized by individuals who need to incidentally get away from the truth. Medications are synthetic compounds that influence the body and mind. Various medications can have various impacts. A few impacts of medications incorporate wellbeing outcomes that are durable and lasting. They can even proceed after an individual has quit taking the substance. A few impacts of medications incorporate wellbeing outcomes that are enduring and perpetual. They can even proceed after an individual has quit taking the substance.

There are a couple of ways an individual can ingest medications, including infusion, inward breath and ingestion. For what reason do smokers think that its difficult to stop smoking? At the point when you become a captive to a substance and can't stop without assistance, the substance kidnaps the mind and the junkie has lost the force of decision. For what reason would it be a good idea for us to try not to take liquor in overabundance? Abundance liquor isn't just undesirable. Yet in addition can harm the nerve and synapses and upset the individual's feeling of equilibrium and discernment. Liquor has the most harming impact



on the liver, whose errand is to eliminate the poisons from the blood.

To understand the nature of drug dependence it is first important to understand the concept of drug tolerance. Tolerance is usually related to substance abuse. Addiction comes about through an associative learning process characterised by compulsive drug taking, craving, and relapse.

By Sristi Kulkarni
ECE Department

WORLD'S FASCINATING ASSASSINATIONS

Many politicians have been assassinated in the history of the world. The news of these assassinations shocked the world and stunned the nation, every time a leader was killed.

1. Abraham Lincoln

Birth - 12 February 1809

Death - 15 April 1865

Assassin - John Wilkes Booth

Abraham Lincoln was the 16th president of the United States and is most famous for his Emancipation Proclamation and leading his country through the Civil War. Booth crept up from behind and shot him in the head at point blank range. The day before his death, he dreamt of his own funeral.

2. John Fitzgerald Kennedy

Birth - 29 May 1917

Death - 22 November 1964

Assassin - Lee Harvey Oswald

John Fitzgerald Kennedy was the 35th president of the United States of America, serving from his election in 1961 to 1963.

While sitting in the back of the presidential limousine with his wife.

The sight of Jackie Kennedy in a Chanel suit and pillbox hat covered in blood, cradling her dying husband in her arms remains a heart-rendingly sad and iconic image.

«Where were you when Kennedy was shot?» became a global conversation topic that time.

3. Martin Luther king Jr.

Birth - 15 January 1929

Death - 4 April 1968

Assassin - James Earl Ray

Martin Luther king Jr. was a pastor, humanitarian and leader of the African - American Civil rights movement. He was shot by James Earl Ray with a sniper, when Martin Luther king Jr. was standing on the balcony of the second floor of the Lorraine hotel in Memphis, Tennessee.

These were the few interesting assassinations. We wrote this because , not many people in this technical world, are aware of our history.

By Sristi Kulkarni & Neha Singh

ECE Department

Student Articles

A SOCIETY WITHOUT INNOVATION!

So, hello there! I have been contemplating this thing from recent days or week, imagine a scenario where there existed the society with no new advancements. However, I'll be explaining to why the innovation or the advancement assumes a fundamental part in our day by day lives. As it's realized that technologies has advanced at a gigantic speed. From smart gadgets to creative electrical systems, it's a reliably present piece of our lives to improve things. It isn't such a lot of that it's shocking just that development makes

everything more advantageous or in straightforward words simple. Notwithstanding, the smartphones are never utilized for the fundamental reason that they were deliberately to have: calling!. All things being equal, most of the populace strolls around with their eyes down, not focusing on the thing is around them, gazing into an alternate world.

Nevertheless, imagine a scenario where tomorrow all the innovation was, some way or another, swiped off the physiognomy of the earth. It would bring more significant changes this world like individuals who rely upon window shopping as opposed to going out to the stores should do likewise. How might we complete our essay at that point or take care of our assignments or the thing which we are so dependent on now a days, the selfie. Taking selfies any place, you go will now not be the equivalent. In any case, we could appreciate the minutes instead to losing all sense of direction in that that small world.

All things considered, there's nothing left but to adjust to the circumstance to which we people are the awesome. With technologies world would be a far better place than anyone could have imagined.

By Neha Singh
ECE Department

ALL THAT YOU REQUIRE TO KNOW ABOUT HACKING

What is hacking?

Hacking is the way toward acquiring unapproved access into a PC , or gathering information of PC . This is done through figuring out of passwords and codes which offers admittance to the systems.

How could hackers find me?

Any individual who utilizes a PC associated with the Internet is defenseless to the dangers that PC programmers and online hunters present. These online reprobates normally use phishing tricks,

spam email or texts and counterfeit sites to convey hazardous malware to your PC and bargain your PC security.

PC programmers can likewise attempt to get to your PC and private data straightforwardly in the event that you are not ensured by a firewall. They can screen your discussions or examine the back-finish of your own site. Generally masked with a counterfeit character, hunters can bait you into uncovering delicate individual and monetary data, or much more awful.

How will I know if I have been hacked?

The most clear sign that you've been hacked is when something has changed. You probably won't have the option to get to your Google account utilizing your standard username and secret phrase, or there may have been a suspicious purchase charged to one of your bank accounts.

What can I do about computer hackers and predators?

- Use extreme caution when entering chat rooms or posting personal Web pages.
- Limit the personal information you post on a personal Web page.
- Carefully monitor requests by online “friends” or acquaintances for predatory behavior.
- Keep personal and financial information out of online conversations.

By Daneshwari N.
ECE Department

MISCONCEPTIONS AND FACTS

A vague idea about superstition is a faith in something, which can't be clarified by the laws of nature and furthermore not by religion. Individuals who don't trust in such things think of them as India is the solitary country where science and odd notion go inseparably. While we have sent some incredible rockets into the space, we likewise whine about a dark feline intersection our way.

1. CUTTING NAILS AFTER DAWN

Indians accept that, If you cut your nails after dusk, it brings awful luck. In a few parts of India, trimming your nails and hair on Saturdays, is

likewise viewed as misfortune and is said to bring hardship.

FACTS

In prior days, there was no power or restricted inventory of power, so there was a chance of getting injured, which may prompt extreme harm. That is the reason individuals from former times normally tried not to cut nails after dusk. People actually follow it thinking it brings disaster.

2. SWEEPING IN THE EVENING

We accept that Goddess Laxmi, the goddess of wealth normally visits homes in the nights, and sweeping will drive her away. That is the reason , regardless of how filthy your room is ,your mother won't ever allow you to clear the floor at night.

FACTS

In days of yore, individuals possessed a great deal of gold, fortunes and gems. They shrouded them at all normal corners of the house. Since there was no office of power those days, they needed to ensure nothing is cleared away. Accordingly, they generally tried not to clear after the sun sets.

3. TAKING BATH AFTER THE LAST RITES

Indians accept that not cleaning up in the wake of going to a burial service will lead the detestable spirits to go into our home alongside us. This conviction has made some amazing progress.

FACTS

Since we will be around different dead bodies in the cemetery, there may be a chance those germs may assault you, on the off chance that you save them for a more extended time. So the individuals would effortlessly get tainted.

This is the period of reason, science, and innovation, yet numerous crude notions proceed unendingly.

By Sahana Barker

ECE Department

Newsletter Editors

Faculty Newsletter Editor

Mr. Sriram Kulkarni
Assistant Professor
ECE Department

Student Newsletter Editors

Miss Sahana Barker
Miss Poorva Ingale

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