**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES**
(AUTONOMOUS)
(Approved by AICTE, New Delhi & Affiliated to JNTU Anantapur) Dr.D.K.Audikesavulu Marg, Murukambattu Post, Chittoor – 517127

**A webinar**
On

# "WIMAX Technology"

**Introduction:** Worldwide Interoperability for Microwave Access (WiMax) is a wireless communication system that allows computers and workstations to connect to high-speed data networks (such as the Internet) using radio waves as the transmission medium with data transmission rates that can exceed 120 Mbps for each radio channel [1]. The WiMax system is defined in a group of IEEE 802.16 industry standards and its various revisions are used for particular forms of fixed and mobile broadband wireless access.

**Objectives:**

- A standard by itself is not enough to enable mass adoption. WiMAX has stepped forward to help solve barriers to adoption, such as interoperability and cost of deployment.
- WiMAX will help ignite the wireless MAN industry by defining and conducting interoperability testing and labeling vendor systems with a "WiMAX Certified™" label once testing has been completed successfully.

**Speaker's Details** :Dr.V.Sivasankaran,Asst professor,VIT,Bhopal

**Date** : 20.09.2021

**Target Audience** : III Year of ECE.

**Organised by** : Department of ECE, SITAMS.

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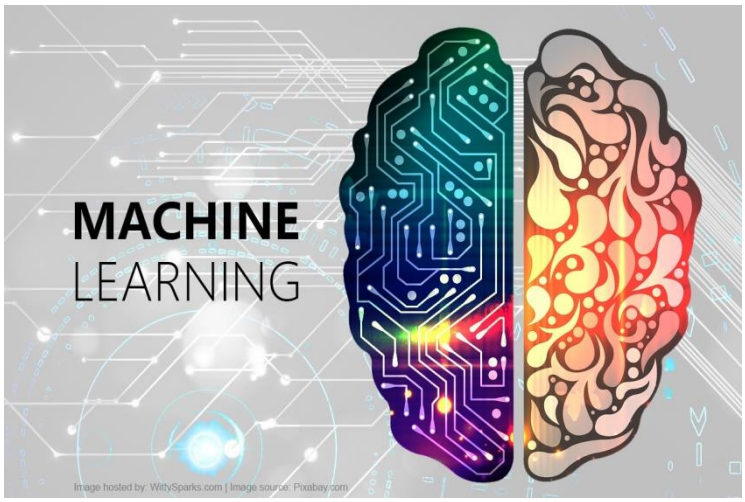
**A webinar**
On

# "Machine Learning: An Introduction"




**Introduction:** Machine learning is a field of computer science that evolved from studying pattern recognition and computational learning theory in artificial intelligence. It is the learning and building of algorithms that can learn from and make predictions on data sets. These procedures operate by construction of a model from example inputs in order to make data-driven predictions or choices rather than following firm static program instructions.

**Objectives:**

- To discover patterns in your data and then make predictions based on often complex patterns to answer business questions, detect and analyse trends and help solve problems.
- The objective of machine learning in business is not only for effective data collection, but to make use of the ever increasing amounts being gathered by manipulating and analysing it without heavy human input.
- to enable you to keep up with those competitors already making best use of their data to maximise business opportunities.

**Speaker's Details** : Mr.M.Praveen Kumar, Research Associate, VIT University, Vellore

**Date** : 17.09.2021

**Target Audience** : III Year students of ECE.

**Organised by** : Department of ECE, SITAMS.

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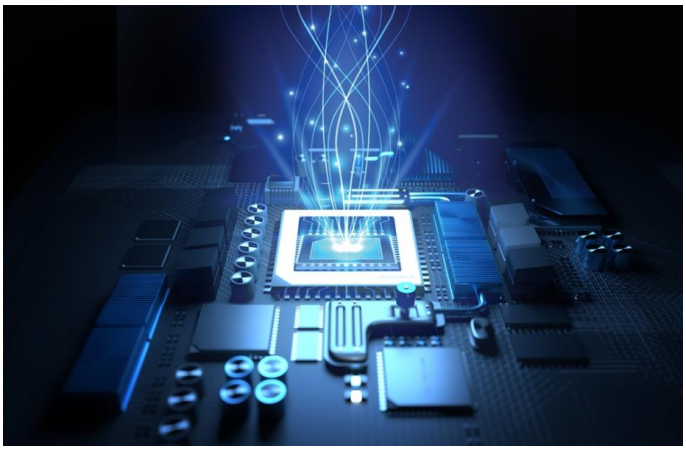
**A Webinar**
On

# "Future Scope and Advancement in VLSI Design"



## Introduction:

Very-large-scale integration (VLSI) is the approach of generating an incorporated circuit by integrating many transistors straight into a single white chip. The microprocessor is VLSI information. Among the earliest electronic tools was, in fact, the dial telephone system. Rhythms produced with turning on a completely transforming dial were waited on along with similarly videotaped using exclusive adjustments in the office. Nevertheless, the amounts had been connected with, and tape-recorded switches over-equipped to connect the consumer to the ideal gathering. A renovation is a digital gizmo that may take either ailment: open or may be closed.

## Objectives:

- An introductory VLSI university-level course encompassing all levels of IC design is described.
- The course is strongly project based, and is achievable even on universities with very limited resources. We describe where and how to get the needed software tools, and how to manage the projects from year to year.

**Speaker's Details** : Dr.S.Vijaykumar, Professor, Department of ECE, SITAMS

**Date** : 16.07.2021

**Target Audience** : III Year of ECE.

**Organised by** : Department of ECE, SITAMS.

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**A webinar**
On

# "Advances in Medical Electronics"

**Introduction:** When considering the fields of medical devices and medical electronics, it is relatively easy to look back over 100 years and identify those developments that had a major overall impact on individuals and society in general. It is more difficult to do the same for developments during the present time. We can reasonably assess current activities and achievements, but determining their overall impact is a bit more difficult. Assessing future developments and their impact is truly challenging. we know that none of us could have predicted the advances in medical devices and medical electronics that we enjoy today.

**Objectives:**

- Medical Electronics Engineering Technology appeals to students desiring to be technical, and, at the same time, devote their careers to saving lives by helping doctors, nurses and hospital patients.
- Graduates become medical electronics engineers and maintain, repair, and calibrate the electronic medical instruments used in healthcare.
- To advance in these careers, it is also important to develop skills in communicating problems, ideas and solutions to other employees.

**Speaker's Details** : Mr.N.Nandha kumar, Founder, Pribiomedical, Tiruppur.

**Date** : 09.03.2022

**Target Audience** : III Year of ECE.

**Organised by** : Department of ECE, SITAMS.

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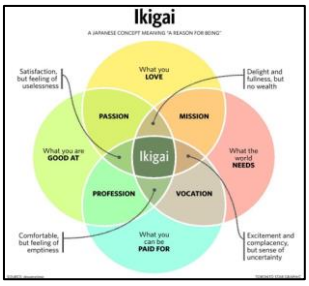
**A Webinar**
On
# "Japanese for Career Success"




**Introduction:** Learning a new language is a fascinating adventure. It is a journey full of excitement, enthralling experience, occasional challenges, vivid illustration, unusual and unexpected encounters. The countless benefits of acquiring a new language are undeniable.Japanese is the most popular choice among East Asian Languages, and the reasons are apparent. It is also one of the most widely used languages on the Internet. Of all the in-demand foreign languages, Japanese language is chosen because of following reasons.The Japanese will set you apart from the crowd. It is different because it isn't an uncomplicated language to embrace.Career-wise, Japanese is one of the top 5 most useful languages to study.The colorful and vigorous cultural aspect of Japan.

**Objectives:**
The objective of this webinar is to discuss

1. Career Scope of Learning Japanese language
2. Work or Study in Japan
3. Demand for Japanese Translator, Interpreter & Trainer
4. Low Competition and High Competitive edge

**Speaker's Details** : K.Nandhitha and GP Mithresh, Executive, Public relations, SST GLOBAL, JAPANESE PLUZ

**Co-ordinator** : Dr. C. Kavitha, Associate Professor, ECE Dept., SITAMS.

**Date** : 12.08.2021

**Target Audience** : III year ECE Students

**Organised by** : Department of ECE, SITAMS.

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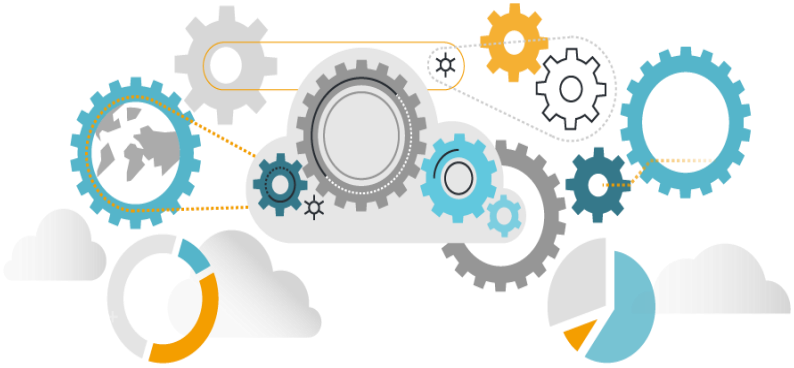
**A webinar**
On

# "Cloud Based Image Processing Services"



**Introduction:** The use of the cloud system environment for image processing algorithms, analysis, and storage capacity from point of view of architecture orientation and service level agreement. Due to the lack of studies in the adoption of a cloud computing platform for image processing as a service, cloud computing environment within needed deployment supposed to allow experts to process and analyze different type of images in that concept. Thus, it greatly reduces the costs of providing image processing services. In addition, a cloud computing platform for image processing algorithms allows collaboration between image processing environment practitioners. This deployment faces various type of technical, implementation, legal and administrative challenges.

**Objectives:**

- To survey on cloud computing infrastructure and platform for image processing as service.
- The improvement of cloud environment technologies has provided investigation opportunities in all aspects of cloud computing deployment and services.
- CC is becoming more attractive for many image processing algorithms due to fact that it provides multi-computing services like storage, host and processing servers.

**Speaker's Details** : Dr.K.Gopi, Professor, Department of ECE, SITAMS

**Date** : 10.01.2022

**Target Audience** : III & IV Year of ECE.

**Organised by** : Department of ECE, SITAMS.

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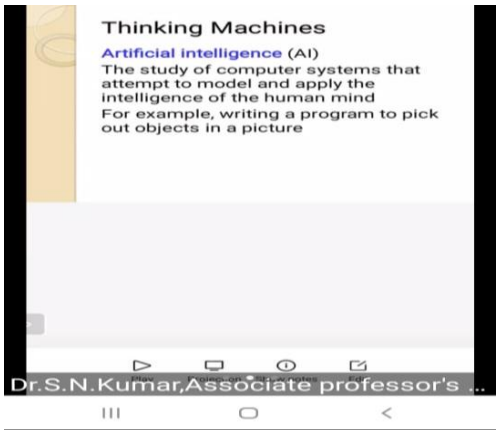
**A Webinar**
On

# "Applications of Artificial Intelligence (AI) in healthcare"




**Introduction:** Artificial intelligence is revolutionizing-and strengthening-modern healthcare through technologies that can predict, grasp, learn, and act, whether it's employed to identify new relationships between genetic codes or to control surgery-assisting robots. It can detect minor patterns that humans would completely overlook.

**Objectives:**

- This webinar explores and discusses the various modern applications of AI in the health sector.
- Particularly, focuses on three most emerging areas of AI-powered healthcare: AI-led drug discovery, clinical trials, and patient care.
- It also indicate that AI-assisted clinical trials are capable of handling massive volumes of data and producing highly accurate results.
- Provides the knowledge of Patients' medical data is also analyzed by clinical intelligence, which provides insights to assist them improve their quality of life.

**Speaker's Details** : Dr.S.N.Kumar, Associate Professor, Department of EEE, Amal Jyothi College of Engineering, Kerala.

**Date** : 30.10.2021

**Target Audience** : III Year students of ECE.

**Organised by** : Department of ECE, SITAMS.

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**A webinar**
On

# "Applications for Biotechnology"

**Introduction:** Today, medical science uses biotechnology to determine the most radical manifestations of the disease. With the discovery of the complete sequence of the human genome in 2001, biotechnologists are going to find genes in different traits and defects. Many genes that cause the development of diseases have been identified so far including Cancer, cardiovascular, respiratory, mental disease. Highly selective and effective medications (tailormade) to cope with disease are provided by detection of individual genes and their derived proteins. however future of the biotechnology is clear and it will surely see important strides that will be used for study and product development.

**Objectives:**

- Development of biotechnology and genetic engineering led to the development of other sciences such as medicine, microbiology, agriculture and livestock.
- Today, production of DNA vaccines and recombinant vaccines are important steps towards the prevention of vaccine-preventable diseases.
- Future of biotechnology and pharmaceutical will be very promising.

**Speaker's Details** :Dr.S.N.Kumar, Associate Professor,EEE Department, Amal Jyothi college of Engg,Kerala.

**Date** : 8.4.2022

**Target Audience** : III Year of ECE.

**Organised by** : Department of ECE, SITAMS.

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**A Webinar**
On
# "OVERVIEW OF INTERNET OF THINGS"

**Introduction:** Internet of Things (IoT) or Internet of Everything is regarded as the third wave of technological innovations. IoT also can be considered as a global network which allows the communication between many things including human and things.IoT project can be commercialized in the area of electrical controlling such as light, fan and any electrical device.It was found that the area for the implementations of IoT are including medical and healthcare, industry, home, building and city, communication, education and agriculture.

**Objectives:**

- Enabling the interconnection and integration of the physical world and the cyber space.
- Helps for future networking, and leads the third wave of the IT industry revolution.
- How obtaining and analysing data from things (devices) that were previously disconnected from most data processing tools.
- It provides information about how connecting these unconnected devices (things) and sending their data to the cloud or Internet to be analyzed.

**Speaker's Details** :Mrs.K.Anusha, Assistant Professor, Department of ECE, Kumaraguru College of Technology, Coimbatore.

**Date** : 24.08.2021

**Target Audience** : II Year students of ECE.

**Organised by** : Department of ECE, SITAMS.