



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Ph: 0484-2463825
Email: info@adishankara.ac.in
Website: www.adishankara.ac.in



Till 30-06-2021 ref F.No.26-56-2016-NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)
EXPLORE, DREAM, DISCOVER



MONTHLY **NEWS**LETTER

GENESIS

IGNITING THOUGHTS

JULY 2021 ISSUE 42



VISION

To be recognized at the national and international level for excellence in Education and Research in Electronics and Communication Engineering.

MISSION

- Inculcating leadership qualities, adaptability, and ethical values.
- Imparting quality education in the field of electronics, communication, and related areas to meet the challenges in the industry, academia, and research.
- Nurture the growth of each individual by providing a dynamic and conducive learning environment.



The National Board of Accreditation (NBA) has extended the accreditation of the UG programme under the Department of Electronics and Communication, which was accredited in Tier I/ Tier II for the academic years 2018-19 to 2020-21 (ie up to 30/06/2021), to one year ie up to 30/06/2022 after the data verification of the programme internally, on the basis of the submitted Compliance report, on account due to the prevailing pandemic situation of the Corona virus.

DEPARTMENT ACTIVITIES/ACHIEVEMENT STTP/ FDP

Online Short Term Training Programme (STTP)- on "Machine Learning and Deep Learning with Deployment", was conducted from 22/07/2021 to 24/07/2020 (3 days) through Google meet. The FDP focused on introducing the concepts of Machine learning and Deep Learning to the participants. Different types of Machine learning and Deep Learning algorithms were discussed. Python programming language was used to explain the concepts practically. The web framework named FLASK was used for the development of a web app, for the machine learning algorithm during the session. The developed web app has also been deployed for the cloud named Heroku. Coordinators of the Event: Dr. Bipin P R, Assoc. Prof., Dept. of ECE, ASIET, Kalady. Resource person for the sessions was Dr. Bipin P R (ECE), Dr. Aryadevi P.S, Ms. Neema M, Mr. Albins Paul, Ms. Remya Ramesh, Mr. Akas G Kamal, Dept. of ECE, ASIET, Kalady

An Online Workshop on SOLARERA (SOLAR OFF-GRID DESIGN WORKSHOP) was organized by the Association Of Communication Engineering Students (ACES) of ECE Department, ASIET Kalady for 1st and 2nd-year B-Tech ECE students on 19th June 2021. The session was handled by Mr. Abhinav.R, Associate Professional Software Engineer at DXC technologies. The workshop focused mainly on Solar Off Grid System, its design considerations, simulation and 3D modelling. The programme was coordinated by Er. Savitha Raghavan and Er. Remya Ramesh, Faculty-Department of ECE.

```

Python 3.8.5 Shell
In [1]: In [1] Run Cell View Code

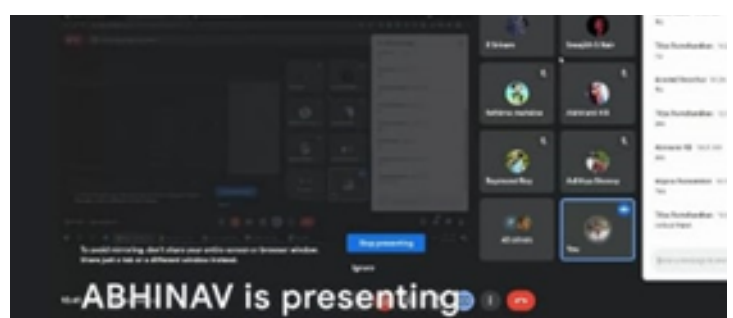
import numpy as np
import pandas as pd
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split

dataset = pd.read_csv("Salary_Data.csv")
X = dataset.iloc[:, 1:1] #input feature
y = dataset.iloc[:, -1] # output/label

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 1/3)
regressor = LinearRegression()
regressor.fit(X_train, y_train) #model creation
y_pred = regressor.predict(X_test)

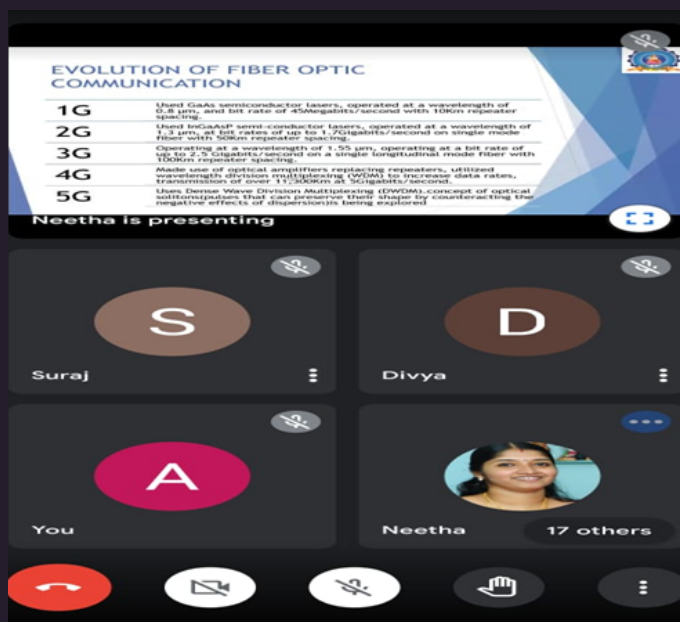
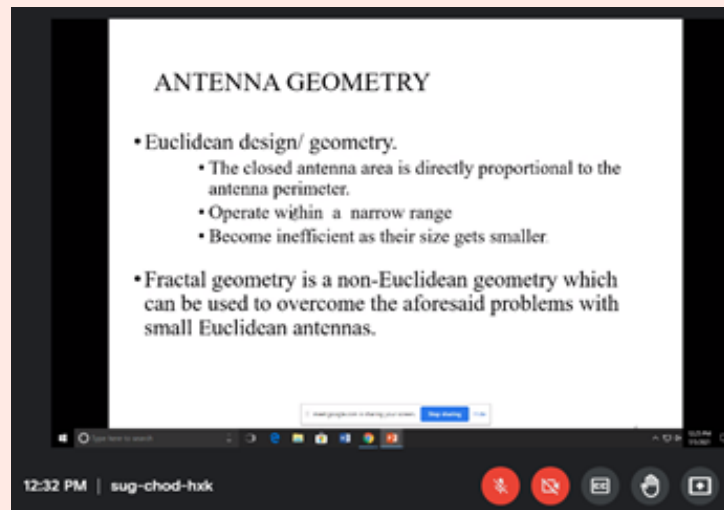
#sample prediction
new_salary_pred = regressor.predict([[12]])
print("The predicted salary of a person is ", new_salary_pred)

#serializing the model
import pickle
pickle.dump(regressor, open("model.pkl", "wb"))
    
```



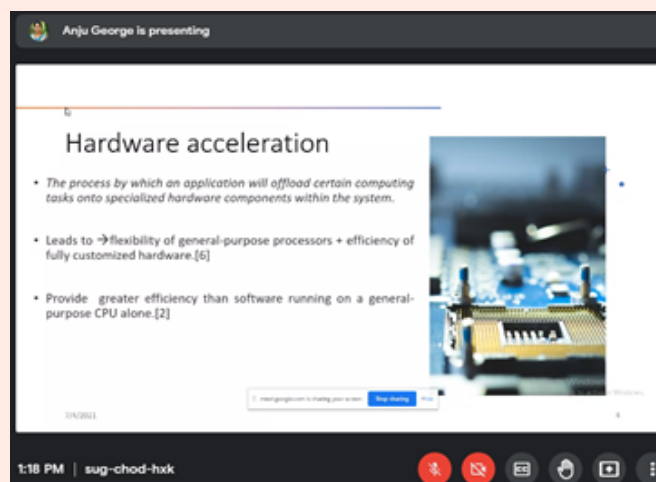
RESEARCH SEMINAR

The twenty first research seminar of the department of Electronics and Communication Engineering was delivered by Ms. Anjana S, Assistant Professor, Department of Electronics and Communication Engineering on the topic “Review on: FRACTAL Antennas” on Thursday, 05-07-2021 through google meet. The session explained the basic structure and importance of the fractal antennas.

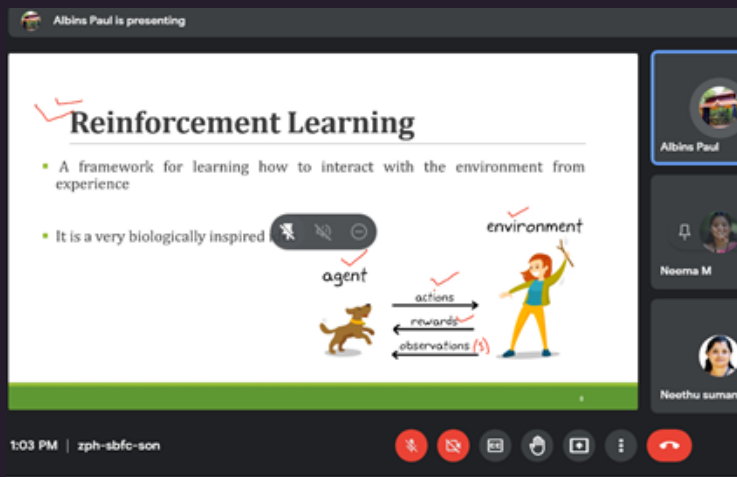
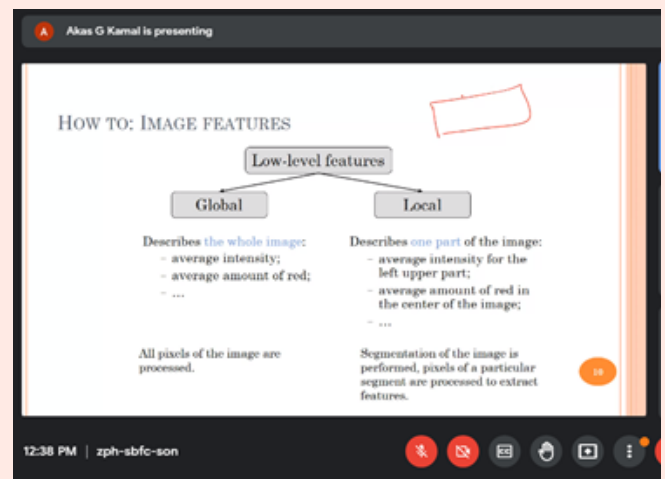


The twenty second research seminar of the department of Electronics and Communication Engineering was delivered by Ms. Neetha K, Assistant Professor, Department of Electronics and Communication Engineering on the topic “Review on : Fiber Optic communication: Opportunities & Challenges ” on Thursday, 05-07-2021 through google meet. The session briefed on the recent research areas in the field of Fiber optical communication. Ongoing research in artificial intelligence and Optical communication was also discussed.

The twenty-third research seminar conducted by department of Electronics and Communication Engineering through Google meet was delivered by Er. Anju George, 05-07-2021. Presentation was on the topic “Introduction to FPGA based acceleration”. The session mainly focused on various research prospects in speeding up algorithms using FPGA as co processor. Starting out with a brief introduction, presentation took the audience through various aspects of fpga acceleration, its advantages, limitations and current research problems.



The twenty-fourth research seminar conducted by the Department of Electronics and Communication Engineering through Google meet was delivered by Er. Akas G Kamal on Friday, 09-07-2021. The presentation was on the topic "Content-Based Image Retrieval: Approaches and Trends". The session mainly focused on various research prospects in Digital Image Retrieval. Starting out with a brief introduction, the presentation took the audience through various algorithms/methods used for content-based image retrieval. Simulation results of various algorithms were also introduced.



The twenty fifth research seminar of the department of Electronics and Communication Engineering was delivered by Ms. Albins Paul, Assistant Professor, Department of Electronics and Communication Engineering on the topic "Deep reinforcement learning: a survey" on Thursday, 09-07-2021 through google meet. The session briefed on the various aspects of reinforcement learning techniques.

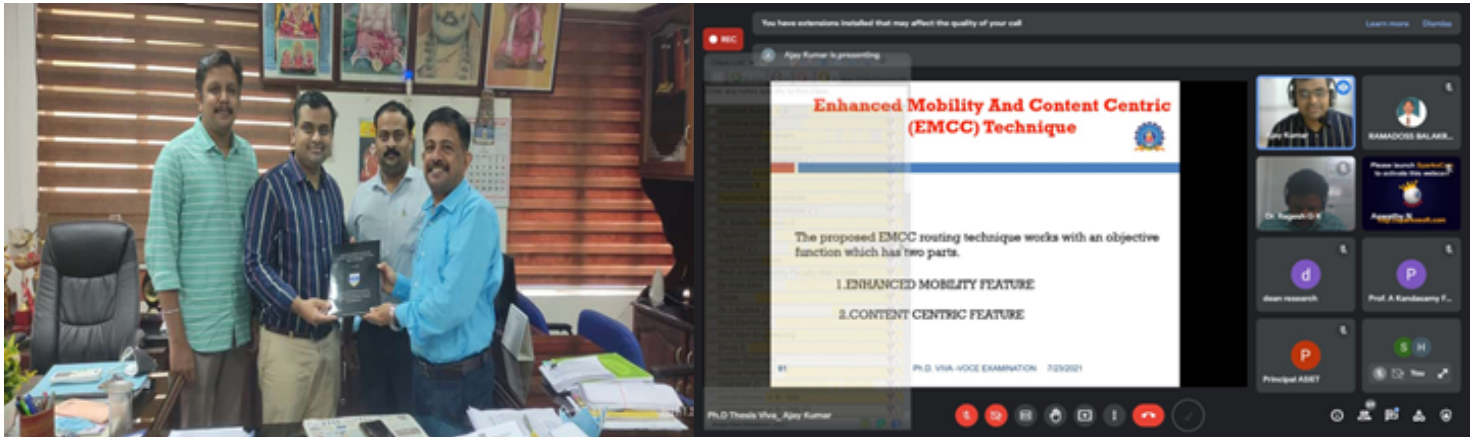
ANNOUNCEMENT

Webpage for Research Interest Group: Computer Vision and Signal Processing &:
<https://sites.google.com/adishankara.ac.in/cvsprig>.



Congratulations

Congratulations to Mr. Ajay Kumar who successfully defended his Ph.D open defense in the Thesis titled “ENHANCED CONTEXT AWARE AND CONTENT CENTRIC ROUTING STRATEGIES FOR IoT NETWORKS”.



It was conducted in online mode on 23.7.2021, 10.30 am to the public. Mr Ajaykumar is the first doctoral candidate to defend his thesis from APJ KTU ASIET Research Center guided by Dr. Ragesh G K and Dr. N. Hariharan.

Happy to announce that Mr. Prasanth P Menon and Ms.Remya Ramesh got selected for Ph.D. programme offered by Amrita University.



SUMAYYABEEVI V A
(M.Tech VLSI & EC)
SGPA-10
KTU S3 EXAMINATION
DEC 2020



Congratulations to the team of the project "DRIXPA: An automated intravenous drip system" to be selected to the K-DISC YIP State level contest. Mentor: Arya Paul
Students: Austin Francis, Anila Shenoy, Dilna Vinod & Anusree

ADI SHANKARA I2P CONTEST

The results of the Adi Shankara I2P contest (Phase 1) were published and prizes were distributed to the teams who secured first and second positions for the Idea Pitching competition.

Winners of Phase 1 (Idea Pitching Competition):

First prize: An Automated Intravenous Drip System

Students: Austin Francis, Anila A Shenoy, Anusree S M and Dilna Vinod (S8 ECA)

Mentor: Ms. Arya Paul, Assistant Professor, ECE, ASIET

Second Prize: Implementation of lightweight encryption algorithm for wireless body area network by

Students: Archana Mohan and Aswani Suresh (S4 M. Tech.)

Mentor: Ms. Neema M, Assistant Professor, ECE, ASIET

Adi Shankara I2P contest is an entrepreneurship and innovative venture that encouraged students to present a unique technological product, service or business idea. The contest is organised in two phases: First Idea Pitching phase provided an opportunity for talented engineering students to present their innovative ideas. During this phase, each team went through a rigorous selection process in which they battled among 202 teams. Their nascent ideas were nourished and nurtured by the mentors and moulded into valid professional projects. The programme has been a huge success with 202 projects flowing in from B.Tech, M.Tech and MBA and 57 projects among them proceeding to the second phase which is tentatively scheduled for next month.



The banner features the Adi Shankara Institute of Engineering and Technology logo on the left, which includes a circular emblem with a deity and the motto 'विद्यया अमृतमश्नुते'. To the right, the text 'Adi Shankara I2P Contest' is written in large white font, with 'Make Things Matter' below it. At the bottom left of the banner, the institute's name and website are listed.

Adi Shankara
Institute of Engineering and Technology,
Kalady
www.adishankara.ac.in



A Platform for the students of ASIET to convert their
idea into a product



RECENT PLACEMENTS

We congratulate all the successful student who got placed in various companies this year

ACCENTURE.



Sreeram P



Austin

CAPGEMINI



Devika Rajan



Rahul Menon

PKJ TECHNOLOGIES



Brijith B Gopal



Aquin Jose

CSS CORP PVT LTD. AND SPERIDIAN



Rose Mary
Benedict

QWAVE, INFOPARK



Goutham
Sankar



Dhanush
Damodaran



Sreejith S Nair

UST GLOBAL



Anaghamohan



Surya Paul



Krishnaraj R

TECH TALKS

TEACHER'S ZONE

AUTHOR:

MR.SREEKANTH K S

Associate Professor,

Department of Electronics and Communication Engineering



OPTICAL COMPUTING

Computing has come a long way since the first computer was perceived as the machine of cogs and gears and became practical in the 1950s and 60s with the invention of semiconductors. As time passes many new electronic devices came into existence with the development in technology. Also with the developments in field of miniaturisation (integration-VLSI) tend to evolution advances systems in the field of computing with larger speed and data handling capacity. While electronic computers have continued to advance in speed and memory at an exponential rate, doubling their clock rate every few years or so, there are inherent limitations in all electronic devices, but the requirements have no limitation.

First, electrons cannot move through each other as they must always be directed through wires. In addition, electrons inevitably generate heat as they move through conductors and semiconductors. This heat must be removed (for protection of components) and puts potential limits on the density and speed of chips and multiprocessor computers. Also, electronic devices' operating speed is limited - the typical clock step today is a few nanoseconds. Optical computation techniques can potentially overcome all these disadvantages as light (EM waves) is the carrier.

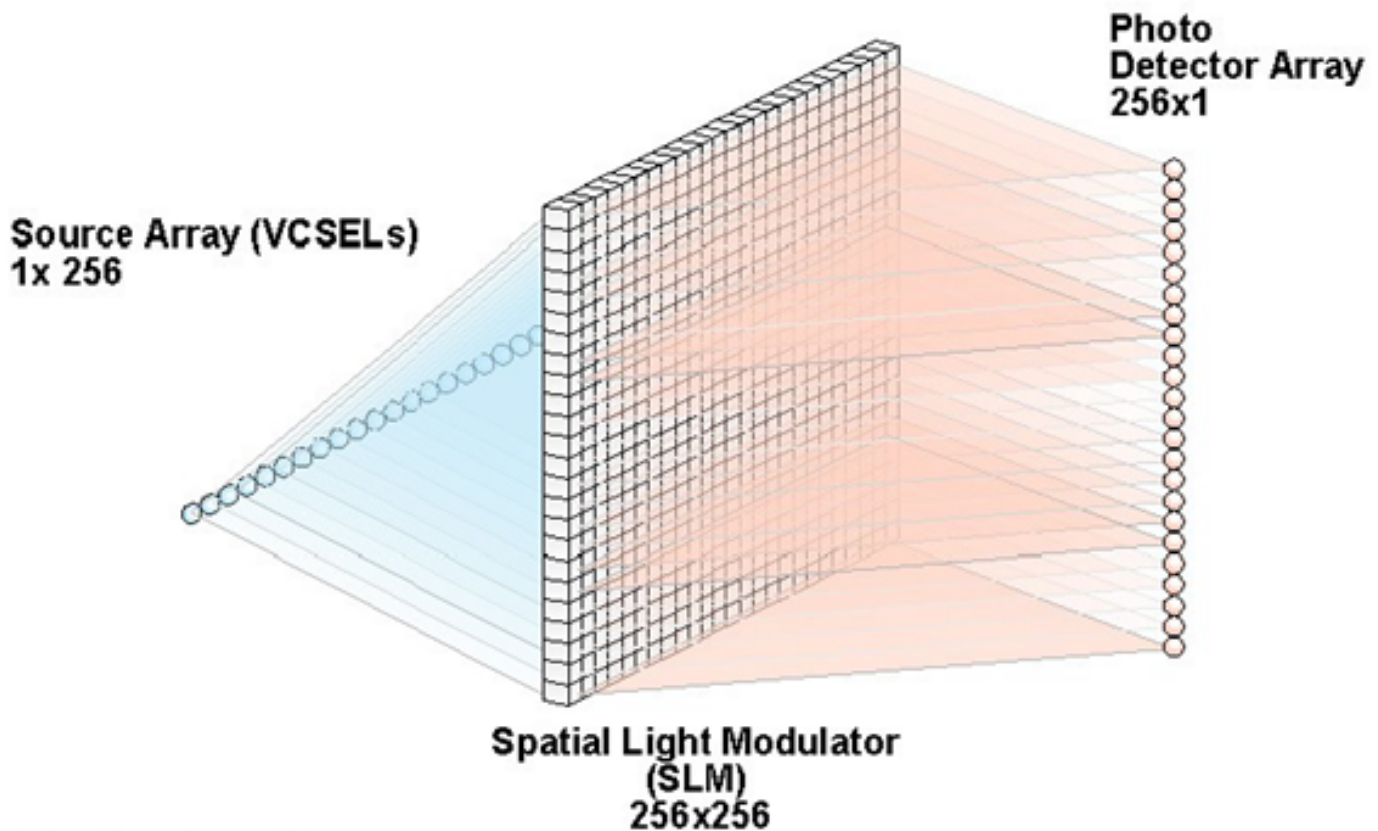
Light can travel through free space without the need for wires or fibres, and photons can travel through each other without alteration (photons with differences in frequency or phase will not interact with each other). So optical computers can be designed that are inherently three-dimensional and highly parallel. Elements such as three-dimensional holograms can be accessed by many beams simultaneously, and with other interference effects, entire memories can be queried instantaneously, not in serial fashion. Further, the power required to transmit light is very less and the energy loss as heat is not there, so the a low power supply and also no need for the heat sink.

Fundamentals of Optical Processing

Optical processing is based on the idea of using all the properties of speed and parallelism of light in order to process the information at a high data rate. The information can be in the form of an optical signal or image. The inherent parallel processing was often highlighted as one of the key advantages of optical processing compared to electronic processing (serial processing). Therefore, optics has an important potential for processing large amounts of data in real-time (parallel processing).

The Fourier transform property of a lens is the basis of optical computing. When using coherent light, a lens performs in its back focal plane the Fourier transform of a 2D transparency located in its front focal plane. The exact Fourier transform with the amplitude and the phase is computed in an analogue way by the lens.

Digital data processing using the SLM (Spatial Light Modulators) has also been realised. Israeli company 'LENSLET' has already developed VMM (vector-matrix multiplier) which process 256-bit digital data-parallel.



Basic Function: Vector-Matrix Multiplication

In the near future, optical computing will bring a dramatic increase in throughput and a big boost in the performance of computer processors. Indeed, experts believe that the technology is able to intensify computer throughput 100-fold compared with state-of-the-art electronic computers of today.

TECH TALKS

STUDENT'S ZONE

AUTHOR:

Ms.Sneha Varma D

S6 ECE

Department of Electronics and Communication Engineering



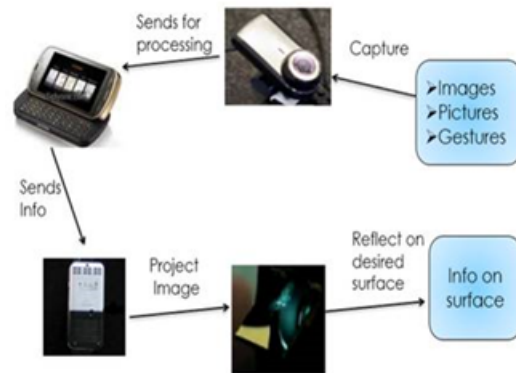
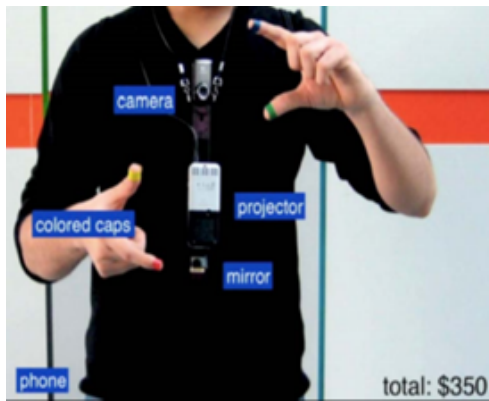
AN OVERVIEW OF THE EMERGING TECHNOLOGY: SIXTH SENSE TECHNOLOGY

It's the beginning of a new era of technology where engineering will reach new milestones. Just like in the science fiction movies where the display of computer screen appears on walls, commands are given by gestures, the smart digital environment which talks to us to do our work and so on, these all will be possible very soon. You imagine it and sixth sense technology will make it possible. Sixth Sense is a wearable gestural interface that enhances the physical world around us with digital information and lets us use natural hand gestures to interact with that information. It is based on the concepts of augmented reality and has well implemented the perceptions of it. Sixth sense technology has integrated real-world objects with the digital world. The thing which makes it magnificent is the marvelous integration of all those technologies and presents it into a single portable and economical product. It associates technologies like hand gesture recognition, image capturing, processing, and manipulation, etc.

We use our five natural senses to perceive any information; that information helps us make decisions and choose the right actions to take. But arguably the most useful information that can help us make the right decision is not naturally perceivable with our five senses, namely the data, information, and knowledge that mankind has accumulated about everything and which is increasingly all available online. Although the miniaturization of computing devices allows us to carry computers in our pockets, keeping us continually connected to the digital world, there is no link between our digital devices and our interactions with the physical world. Information is confined traditionally on paper or digitally on a screen. Sixth Sense Technology bridges this gap, bringing intangible, digital information out into the tangible world, and allowing us to interact with this information via natural hand gestures. 'Sixth Sense' frees information from its confines by seamlessly integrating it with reality, and thus making the entire world your computer. This technology has a wide application in the field of artificial intelligence. This methodology can aid in the synthesis of bots that will be able to interact with humans.

How does the sixth sense works?

At present, the commercial product isn't launched but the prototype is prepared.



The sixth sense prototype is made using very common and easily available equipments like a pocket projector, a mirror, mobile components, color markers, and a camera. The projector projects visual images on a surface. This surface can be a wall, table, book, or even your hand. Thus, the entire world is available on your screen now. When the user moves their hands to form different movements with colored markers on the fingertips, the camera captures these movements. Both the projector and the camera are connected to the mobile computing device in the user's pocket. Recognition is made using the computer vision technique. These markers act as visual tracking fiducials. The software programme processes this video stream data and interprets the movements into gestures. The gestures are different from one another and are assigned some commands. These gestures can act as input to an application that is projected by the projector. Since the projector is aligned downwards for compactness; therefore, images would be formed at the user's feet if the mirror wasn't used. The mirror reflects the image formed by the projector to the front. The entire hardware is fabricated in the form of a pendant. The entire product cost around \$ 350 and that is also because of the projector. It works very similarly to a touch screen phone with the entire world as the screen.

Evolution

Steve Mann is considered as the father of Sixth Sense technology who made a wearable computer in 1990. He implemented the Sixth Sense technology as the neck-worn projector with a camera system. He was a media lab student at that time. Then his work was carried forward by Pranav Mistry, an Indian research assistant in MIT Media Lab. He came up with exciting new applications from this technology. Sixth sense technology was developed at media labs in MIT and coined as Wear Ur World (WUW). The inventors have filed a patent under the name Wear Ur World (WUW) in February 2010.

Technologies Used

- **Gesture Recognition:** Gesture recognition enables humans to interface with the machine (HMI) and interacts naturally without any mechanical devices. Using the concept of gesture recognition, it is possible to point a finger at the computer screen so that the cursor will move accordingly. Gesture recognition is useful for processing information from humans which is not conveyed through speech or type.

- **Computer Vision:** Computer vision is the science and technology of machines that see. It is concerned with the theory behind artificial systems that extract information from images. We concentrate on two types of images frequently used in computer vision: Intensity images (Photograph like images encoding light intensities), Range images (Encoding shape and distance (sonar and laser)).
- **Radio Frequency Identification:** Radio Frequency Identification is basically an electronic tagging technology that allows the detection, tracking of tags and consequently the objects that they are affixed to. Radiofrequency identification (RFID) is a technology that uses communication via radio waves to exchange data between a reader and an electronic tag attached to an object, for the purpose of identification and tracking. Some tags can be read from several meters away and beyond the line of sight of the reader.
- **Augmented Reality:** Augmented reality is a term for a live direct or indirect view of a physical real-world environment whose elements are augmented by virtual computer-generated imagery. Augmented reality, blurs the line between what's real and what's computer-generated by enhancing what we see, hear, feel and smell. The basic idea of augmented reality is to superimpose graphics, audio, and other sensory enhancements over a real-world environment in real-time.

Applications

The map application lets the user navigate a map displayed on a nearby surface using hand gestures, similar to gestures supported by Multi-Touch-based systems, letting the user zoom in, zoom out, or pan using intuitive hand movements. The drawing application lets the user draw on any surface by tracking the fingertip movements of the user's index finger. You can be in a taxi going to the airport, and just by taking out your boarding pass. Sixth Sense will grab real-time information about



your flight and display it over the ticket. Just hold it in front of your and it will work. The camera also helps the user to take pictures of the scene he is viewing and later he can arrange them on any surface. The device can also tell you the arrival, departure or delay time of your aeroplane on your tickets. Open any book and you will find the Amazon ratings of the book. To add to it, pick any page and the device gives additional information on the text, comments, and a lot more add-on features. By picking up any goods at the grocery store, the user can get to know whether the product is eco-friendly or not. To know the time, all one has to do is to just gesture a drawing circle on the wrist and there appears a wristwatch. Creating a picture frame tells the camera to snap a photo while drawing an @ symbol in the air allows you to check your e-mail.

Imagine the world where Sixth Sense Technology is applied everywhere. In the educational field, the number of hardware components could be reduced. The usage of paper and electricity could decrease. Students could use any wall or any surface wherever they are to carry out activities that are done on a PC. Security will be assured for everyone. It could help render defense services. In the medical field, it could be implied to check the genuinity of drugs. It could be implemented to monitor the agricultural lands. Blind people could be able to read books and recognize objects. It could be used for the betterment of handicapped people.

This technology has seamless applications. This can be used as a replacement for the 5th sense for handicapped people. This can provide easy control over machinery in the industry. This will have different applications for different developers just depending upon how he imagines and what he wants. So, considering its widespread applications the inventor Pranav Mistry has decided to make its software open source. This will enable individuals to make their own applications depending upon needs and imagination. As this technology will emerge may be new devices and henceforth new markets will evolve. Some existing devices and technologies will be discontinued but one thing is guaranteed it will write a new chapter in the history of science and technology.

STAFF ACHIEVEMENT AND PARTICIPATION

Dr. VT Gopakumar

- Attended Optical Fiber Communication Conference (OFC), web conference format, from 06 - 11 June 2021 (San Diego, California, USA) Organized by Optical Society of America, IEEE Photonics Society, IEEE Communication Society
- Attended Webinar on RF over Fiber (IEEE Pune Communication Society, 17th July 2021)

Dr. Bobby Mathews C

- Attended FDP on Innovation Incubation and Research Challenges in India on 21.06.21 to 25.06.21 by IES college of Engineering, Thrissur.
- Attended Short Term Training Program (STTP) on Next Generation Wireless Technologies: 5G and Beyond on 12.07.21 to 17.07.21 by IGCE, Chandigarh.

Dr. Suraj Damodaran

- Got Certificate of reviewer recognition by IEEE
- Attended Webinar on Participation in the webinar "Reconfigurable Digital Systems: A case for FPGA - Driven Design" on 02-07-2021 by Department of Electrical and Electronics, Adi Shankara Institute of Engineering and Technology, Kalady, Kerala.

ARCHANA ANIYAN

Attended FDP on Innovation Incubation and Research Challenges in India on 21.06.21 to 25.06.21 by IES college of Engineering, Thrissur.

Prajeesh P A

- Attended Webinar on Reconfigurable digital system: A case for FPGA driven design on 2/7/2021 by Dept of EEE, ASIETKalady
- Submitted a paper titled 'Design of automated stethoscope using AI,IOT and signal processing to ICMSS 21 (fourth international conference on microelectronics signals and system at TKM Engineering college ,kollam

Savitha Raghavan

- Attended FDP on Innovation Incubation and Research Challenges in India on 21.06.21 to 25.06.21 by IES college of Engineering, Thrissur.
- Attended FDP on FDP on 'Deep Learning and Neural Networks'. On July 5 to July 9 by Mohandas college of engineering and technology.
- Attended a webinar on "RF over Fiber" on 17th July 2021 by IEEE, Pune Section Communication Society in association with AISSMS INSTITUTE OF INFORMATION TECHNOLOGY, PUNE-1

Prasanth P Menon

- Attended FDP on "Virtual and Augmented Reality for Robotics" on 2021-7-12 to 2021-7-16 by AICTE Training And Learning (ATAL) Academy with Vimal Jyothi Engineering

Neema M

- Paper titled" User spatial localization for Vision aided beam tracking based millimeter wave systems using convolutional neural network" is accepted for publication in the conference IEEE ICIAfs2021
- Resource person for Online STTP on Machine learning and Deep learning on 22/7 to 24/7 by Department of ECE, ASIET.

Aswathy N

- Attended Webinar on Reconfigurable Digital Systems: A Case for FPGA – Driven Design ” on 02 July 2021 by Department of Electrical and Electronics, Adi Shankara Institute of Engineering and Technology, Kalady
- Was Judge of The Final Year Project Awards 2021 on 10th July 2021 by IEEE Kerala Section
- Attended Online Course on Design of Bulk Nanostructured Metal Materials on 23rd July 2021 by Cousera

Divya V Chandran

- Attended FDP on KTU sponsored FDP "Deep Learning and Neural networks" on 5th to 9th July 2021 by Mohandas College of Engineering & Technology.
- Attended Online Short Term Training Programme (STTP)- on "Machine Learning and Deep Learning with Deployment" on 22nd to 24th July 2021 by ASIET Kalady.

Neetha K

- Attended FDP on ATAL FDP on Introductory Data Science, Deep Learning at IIIT Naya Raipur.

- Submitted a paper titled 'FACET: Low Cost Thermo-Face recognition System" to ICMSS 21 (fourth international conference on microelectronics signals and system)

Anjana S

- Attended FDP on Innovation Incubation and Research Challenges in India on 21.06.21 to 25.06.21 by IES college of Engineering, Thrissur.
- Attended FDP on FDP on 'Deep Learning and Neural Networks'. On July 5 to July 9 by Mohandas college of engineering and technology.
- Attended a webinar on "RF over Fiber" on 17th July 2021 by IEEE, Pune Section Communication Society in association with AISSMS INSTITUTE OF INFORMATION TECHNOLOGY, PUNE-1

Anjaly Gopinath

- Attended FDP on Innovation Incubation and Research Challenges in India on 21.06.21 to 25.06.21 by IES college of Engineering, Thrissur.
- Attended FDP on FDP on 'Deep Learning and Neural Networks'. On July 5 to July 9 by Mohandas college of engineering and technology.
- Attended a webinar on "RF over Fiber" on 17th July 2021 by IEEE, Pune Section Communication Society in association with AISSMS INSTITUTE OF INFORMATION TECHNOLOGY, PUNE-1

Sreerag M

- Attended FDP on:" 5G & VNA measurements on June 28th to June 30th, 2021 by ENTUPLE TECHNOLOGIES
- Jaimy James Poovely
- Attended FDP on FPGA based deep learning application in signal processing on July 5th to July 9th by KLE technological university.
- Attended webinar on Introduction to Bersal ACAP architecture on July 16th by Sandeepani school of embedded system design Bangalore.

STUDENT ACHIEVEMENT AND PARTICIPATION

ASWATHY BABU(2018-22):Idea pitching competition - I2P contest(Adi Shankara)

BIBIN VARGHESE (2018-22): Young innovators programme(Kerala development and innovators strategic council)

CHRIS K SHILY(2018-22): AWS Cloud Foundation (AWS Academy, 7/17/2021)

VYSHNAV C J(2019-23): Getting started with AWS Machine Learning (1) Course Era, 5/23/2021)

ARJUN SURAJ(2018-22):Internship programme on robotics and es(Techbyheartindia private limited , 2021-01-04)

ALEENA ANTONY(2020-22):

- Alora(ieee sb asiet, 2021-07-05)
- Word contest (nss, 7/31/2021)
- Ecosystem restoration(nss, 2021-05-07)
- Anti-tobacco day quiz contest (KMEA engineering college)
- International yoga day(NSS, 6/21/2021)
- Corona precautions and prevention(NSS, 2021-06-06)
- Let's lock them(APJKTU NSS cell hosted by NSS units 168&263 of government engineering college Wayanad, 5/24/2021)
- International plastic bag free day(NSS units 168&263 of government college Wayanad, 2021-03-07)

ANANTHA KRISHNAN S BABU(2018-22): Internship programme on Robotics and embedded systems (Techbyheart India private limited, 2021-01-04)

BIBIN VARGHESE (2018-22): Internship Programme on Robotics & Embedded Systems (TECHBYHEART India private limited, 2021-01-04)

ATHUL KRISHNAN KS(2018-22):

- National event- Electric and future mobility(Mar Athanasius college of engineering, 5/22/2021)
- Young innovation programme (YIP)(Kerala development and innovation strategic council, 6/21/2021)

AKHIL KUMAR A(2018-22): WITI INTERNATIONAL CONFERENCE (6/22/2021)

Soorya S Pai(2020-24): WITI INTERNATIONAL CONFERENCE (6/22/2021)

GAEA TITUS E(2020-24):

- TRASH GOLD -Trash to treasure(NSS units168 & 263 of Government Engineering College,Wayanad, 2021-03-07)
- Plastroon-Cartoon drawing competition(NSS units 168 &263 of Government Engineering College,Wayanad, 2021-03-07)
- BUSTA DI CARTA -Bag making competition(NSS units 168 &263 of Government Engineering college, Wayanad, 2021-03-07)

JAISON T POULOSE(2020-24):

- Internship: Internshala Student Partner 22(Internshala, 2021-05-07)
- TAKSHAK.ONLINE (Mar Athanasius College of Engineering, Kothamamglam, 5/22/2021)
- Basic Web Development (ShapeAi, 2021-01-07)
- 3rd Position in AD-MAD advertisement making by IEEE JSSATEN NOIDA (IEEE JSSATEN NOIDA , 2021-06-06)

With technology advancing and the demand for cutting-edge medical equipment and devices expanding, biomedical engineering along with electronics is a rapidly growing field, So we are happy to announce that Adi Shankara Institute of Engineering & Technology Launched a new course B Tech in ELECTRONICS and BIOMEDICAL ENGINEERING under the department of Electronics and Communication for coming Academic years. Total Seats available is 60.



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY



NBA
NATIONAL BOARD OF ACCREDITATION

Inception of another futuristic stream at ASIET

B.Tech in
ELECTRONICS & BIOMEDICAL ENGINEERING

Admissions Open Vidya Bharathi Nagar, Kalady, Ernakulam
9846900310, 9446472170, 9539383699
www.adishankara.ac.in College Code: ASI

EDITORIAL BOARD



Dr RAGESH G K
Head Of Department (HOD).
Department of Electronics and Communication Engineering



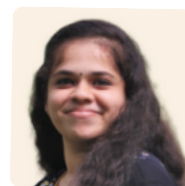
MS ANJANA S
Assistant Professor
Department of Electronics and Communication Engineering



MS NEETHA K
Assistant Professor
Department of Electronics and Communication Engineering



Ms Hridaya U Mallia
S5 ECA
Department of ECE



Ms Kavya G Padiyar
S5 ECB
Department of ECE



Mr Aravind Sreedhar
S3 ECA
Department of ECE



Mr Joyal Joy
S3 ECB
Department of ECE

UPCOMING EVENTS



IEEE Kerala Section



ACCESS'21

2nd International Conference on
AICTE Sponsored

ADVANCES IN COMPUTING, COMMUNICATION, EMBEDDED AND SECURE SYSTEMS

SEPTEMBER 02-04, 2021

Organised by
Dept. of Electronics & Communication Engineering

Technically Sponsored by
IEEE Kerala Section

ACCESS' 21 is a premier international technical conference hosted by Adi Shankara Institute of Engineering and Technology, Kalady, Kerala, India. This is a major international conference bringing together researchers, engineers and practitioners who work in the areas of computing, communication, security and its applications in the industry and real world.

IMPORTANT DATES

Full length paper submission deadline: 15th July 2021

Notification of acceptance : 31st July 2021

Registration fee due date : 1st Aug 2021

Camera-ready paper submission : 5th Aug 2021

SUBMIT THE FULL PAPER HERE

easychair.org/conferences/?conf=access21

Visit us at : www.access21.in

Mob : +919447539622

E-mail : access@adishankara.ac.in

Keynote Speakers



Dr. Mohamed Benbouaid
University of Brest, France



Dr. Uttam Ghosh
Vanderbilt University, Nashville, TN, USA



Dr. Lalit Garg
University of Malta



Dr. Valentina Emilia Balas
Aurel Vlaicu University of Arad, Romania



Dr. Gunasekaran Thangavel
University of Technology and Applied Sciences, Muscat, Sultanate of Oman



Dr. Xingwang Li
Associate Professor, Henan Polytechnic University, China



Dr. Arindam Pal
CSIRO, Australia



Dr. Arathy Varghese
Cardiff University, UK


Publications



International Journal of Distributed Sensor Networks
(ISSN No. 1550-1477) (SAGE Journal, Special Collection on Privacy-Preserving Solutions in the Internet of Things) (Indexed in SCIE, SCOPUS)



Journal Special Issue: "Privacy-preserving solutions in the Internet of Things (IoT) in the Recent Advances in Computer Science and Communications"
Bentham Journal (SCOPUS indexed)




College Code: **ASI**

B.Tech. in Electronics & Biomedical Engineering



Merging the Best Terrains...

Join
the Higher League of Exclusivity



Apply online

Vidya Bharathi Nagar, Kalady, Ernakulam, Kerala





5 Days FDP on
AI Enabled IoT Networks
 13-17 Sep 2021


Sponsored by
AICTE Training and Learning (ATAL) Academy

Organised By **Dept. of Electronics & Communication Engineering**


SPEAKERS




Dr. Deepak Garg
HOD and Professor
School of Engineering and Applied Sciences, Member (Academic Council)
Bennett University, Greater Noida




Dr. Hari Prabhat Gupta
Assistant Professor
Department of Computer Science and Engineering,
Indian Institute of Technology (BHU), Varanasi




Dr. Lakshmi Narasimhan Theagarajan
Asst. Professor
Electrical Engineering
IIT Palakkad




Dr. Mary Reena K E
Associate Professor, Electronics and Communication Engineering
LBS college of Engineering, Kasaragod




Dr. Lalit Singh
Scientist, NPCIL-BARC,
Department of Atomic Energy, Govt. of India



Dr. Veningston K
Assistant Professor in Computer Science and Engineering
National Institute of Technology, Srinagar




Dwipin Menon
Vice President,
JPMorgan Chase & Co.




Binil Kuriachan
Sr. Data & Applied Scientist,
Microsoft (R&D)

HOW TO APPLY
 Faculty from AICTE approved institutions can participate in the programme. There is no registration fee. Applicants can fill the registration form only through online mode available at <https://atalacademy.aicte-india.org/sienup>.



20Yrs
of
Excellence



Dept. of Electronics & Communication Engineering

KTU
approved
Research
Center

9
Patents
Published

High
Indexed quality
Publications

TI Supported
IoT Lab
AICTE Funded
Communication
Lab

50Lakhs
Funded
Projects/
Consultancy

Good
Placement
track Record

100+
MOOC
certifications
per year

Industry
collaboration
with MNCs

Faculties
with expertise
& dedication

B.Tech

M.Tech

Admissions Open

9846900310
9495129696
9447476680

www.adishankara.ac.in