ECE AVENUE

Vol 6 Issue 1

REHEARSING FOR THE FUTURE

(Annual News letter of Department of ECE)

2021-2022

Andhra Loyola Institute of Engineering and Technology

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Inside this Issue

Workshops,Guest Lectures & Seminars Conducted

Workshops/Conferences /Seminars attended by Faculty

Students Activities Achievements

Mission and Vision

Student Members:

1. G.Srilekha (18HP1A0423)
2. M.KranthiKiran (18HP1A0 442)
3. A..Madhuri (18HP1A0473)
4. M.Madhava (18HP1A04A8)
5. G.Bhanu Teja(18HP1A0494)

Vision: The Department of ECE endeavors to produce ingenious, preeminent and socially responsible engineers

Editorial Board

Cheif Editor
Mr.M.Rama Krishna
Head of the Dept, ECE

Associate Editors:

CH.Pranob Kumar
Faculty-Dept of ECE
K.Srinivasa Rao
Faculty-Dept of ECE

ECE Department LOGO Designed by

K Tarun (13HP1A04B0)
K Anil Bablu (13HP1A04A2)

NATIONAL BOARD OF ACCREDITATION

Mr.M.Rama Krishna,HOD of ECE

We the department of ECE are glad to bring forth the news letter "***ECE AVENUE*** " which is a symbol of team work with which the department has been flourishing for years and to go.

The department emphasize the welfare of students both in their academics and personality as budding Engineers of future India.

We the faculty abide by the mission and vision of the department so that it reflects our harmony in the department.

We inculcate to the students that discipline and technology are the seeds for the growth of an individual in the society.

I as HOD feel proud to work with the faculty in the department who always obeyed and supported for the small but new innovatives such as Research Lab, M.O.U's, training programs, mini and major projects etc.

I thank the Management for giving me a place to explore and implement my ideas in the process of working for the amelioration of the Institute.

Our Faculty is our strength

S No.	Name o f the Faculty	Designation
1	Mr.M.Rama Krishna	HOD,ECE
2	Fr.N.Britto Martin Paul,SJ	Assistant Professor
3	Dr.K.Prasanthi Jasmine	Professor
4	Mr.S.Mallikarjuna Rao	Associate Professor
5	Mrs.B.Santhi Kiran	Associate Professor
6	Dr.T.Lakshmi Narayana	Associate Professor
7	Mr.P.Bose Babu	Assistant Professor
8	Mr.G.Roopa Krishna Chandra	Assistant Professor
9	Mr.G.Ravi	Assistant Professor
10	Mr.Y.Pavan Kumar	Assistant Professor
11	Mr.P.Koteswara Rao	Assistant Professor
12	Mr.N.Bujji Babu	Assistant Professor
13	Mr.K.Appala Raju	Assistant Professor
14	Mr.G.Vijay Kumar	Assistant Professor
15	Mr.K.Srinivasa Rao	Assistant Professor
16	Mr.M.Rama Krishna	Assistant Professor
17	Mr.Ch.Pranob Kumar	Assistant Professor
18	Mr.Abdul Azeem	Assistant Professor
19	Mr.Md.Baig	Assistant Professor
20	Mr.N.Anjaneyulu	Assistant Professor
21	Ms.S.Spandana	Assistant Professor
22	Mrs.D.Hepzibha Rani	Assistant Professor
23	Mr.R.Anand Kumar	Lab Technician
24	Mrs.K.G.Prasuna	Lab Technician
25	Mr.K.B.R.Srinivasu	Lab Technician
26	Mr.P.Durga Prasad	Lab Technician
27	Ms.K.Prema Divya	Lab Technician

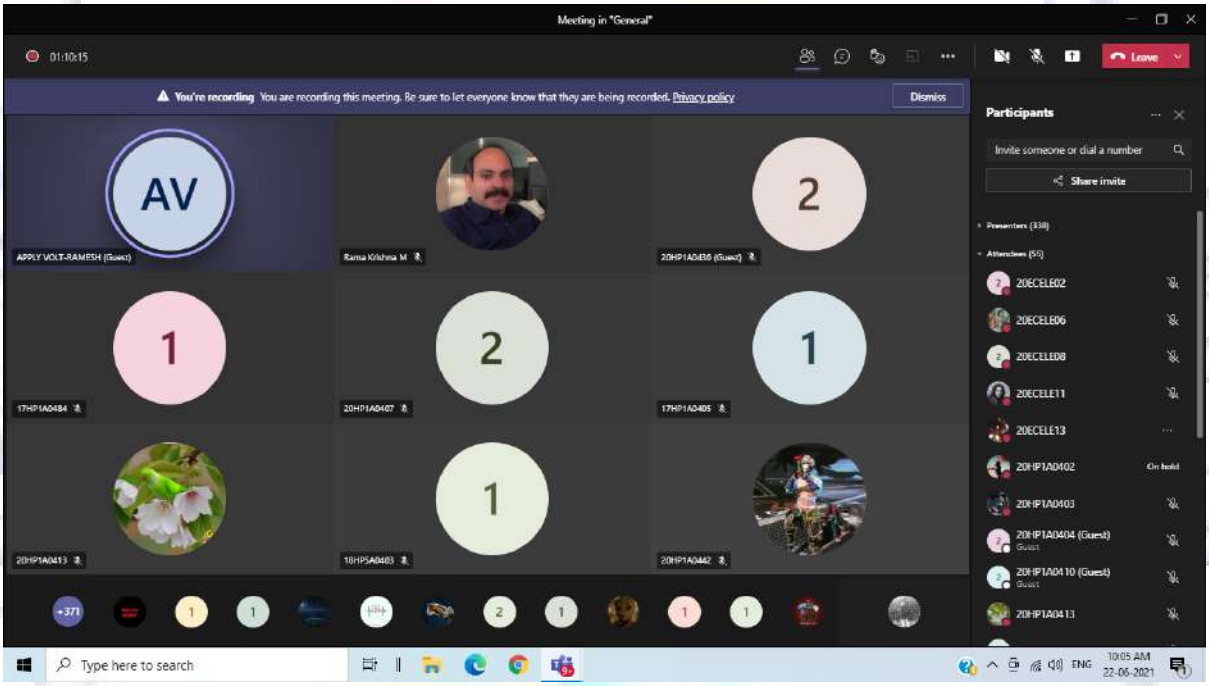
ACTIVITIES IN SEMESTER – I

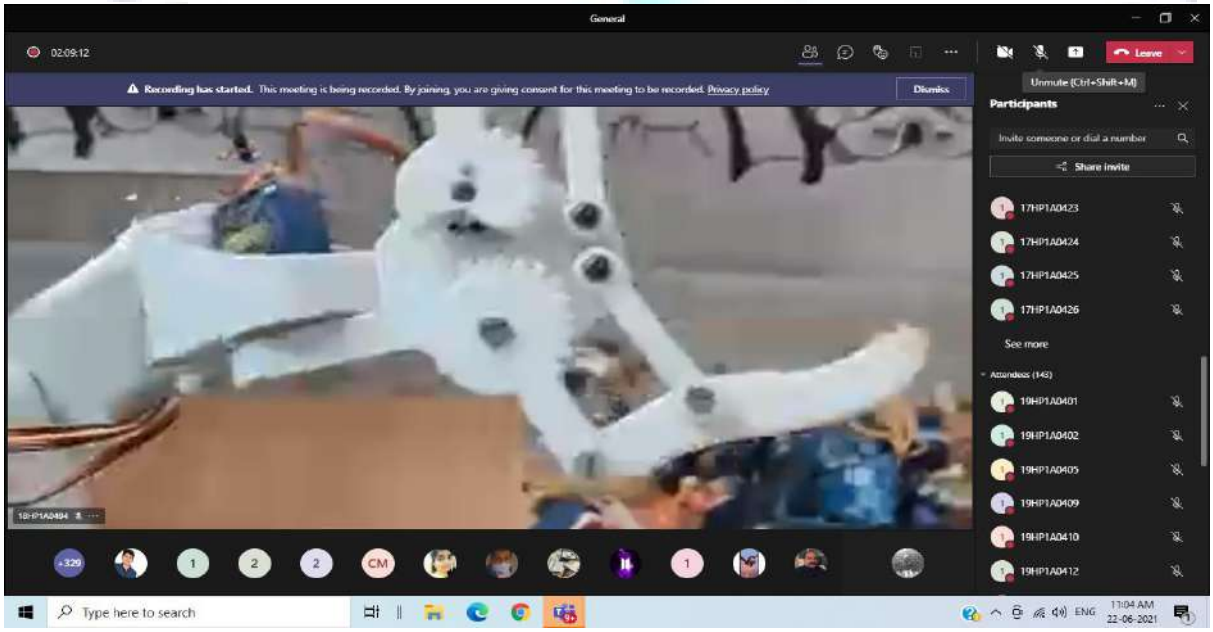
EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF JUNE 2021

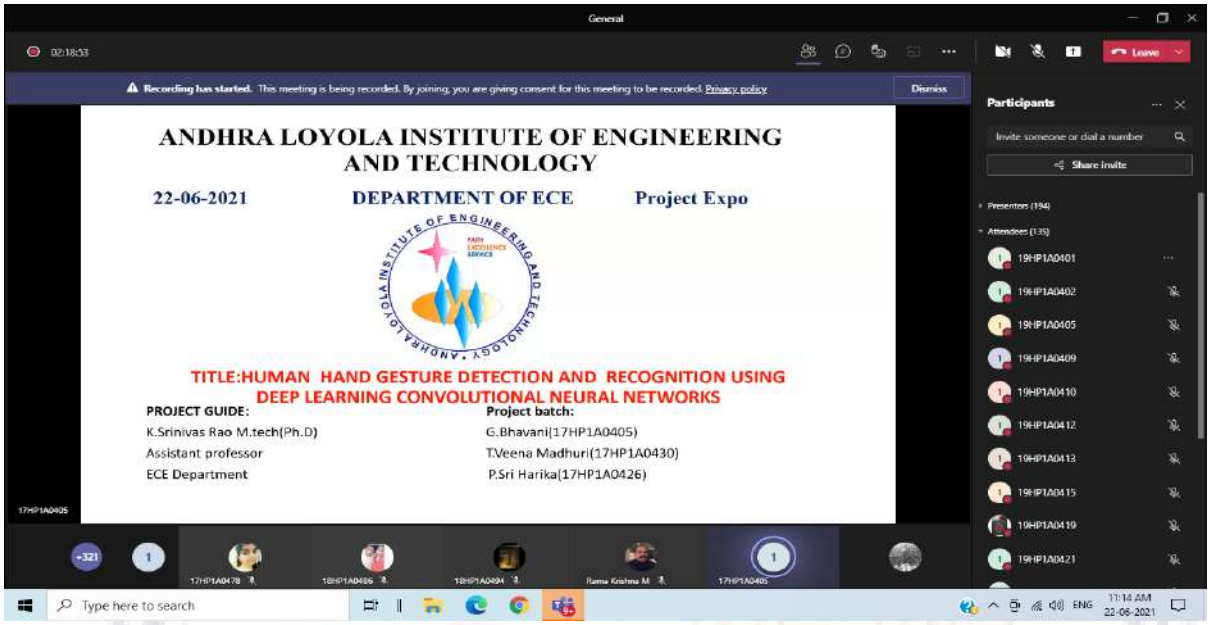
1. One Day Online "Project Exhibition" on 22-06-21 :

One Day Online "**PROJECT EXHIBITION**" Organized by Department of Electronics and Communication Engineering on 22 -06-2021. **396** students of IV.III.II year had participated in this Program. Final Year Students showed good enthusiasm to display their projects.

Mr. Rama Krishna, HOD of ECE shared his valuable knowledge among the students highlighting the importance of project making. **Mr.K.Ramesh**, Head of Business operations, **APPLY VOLT**, in his motivational address emphasized on the importance of learning new technologies and tools for the students. **Dr.Ch.Mahesh**,Sr. Manager CNS, **AAI**, shared his valuable knowledge among the students highlighting the importance of project making.






General
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
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ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
22-06-2021
DEPARTMENT OF ECE
Project Expo
TITLE:HUMAN HAND GESTURE DETECTION AND RECOGNITION USING DEEP LEARNING CONVOLUTIONAL NEURAL NETWORKS
PROJECT GUIDE:
K.Srinivas Rao M.tech(Ph.D)
Assistant professor
ECE Department
Project batch:
G.Bhavani(17HP1A0405)
T.Veena Madhuri(17HP1A0430)
P.Sri Harika(17HP1A0426)
Participants
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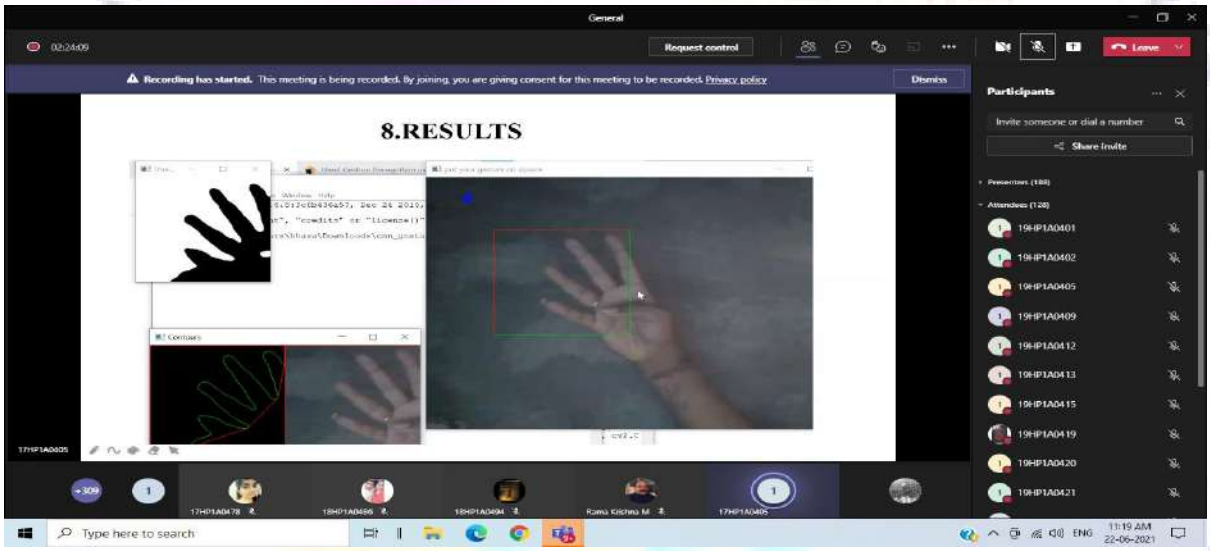
General
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8.RESULTS
Participants
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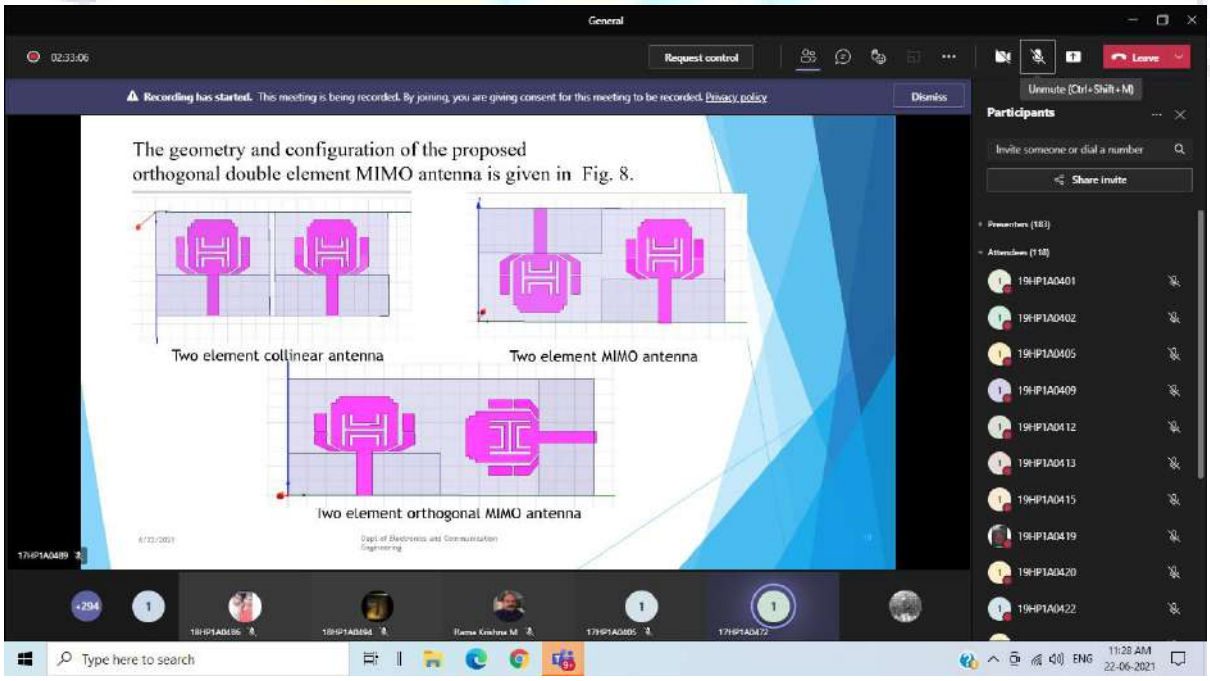
General
Request control
Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy
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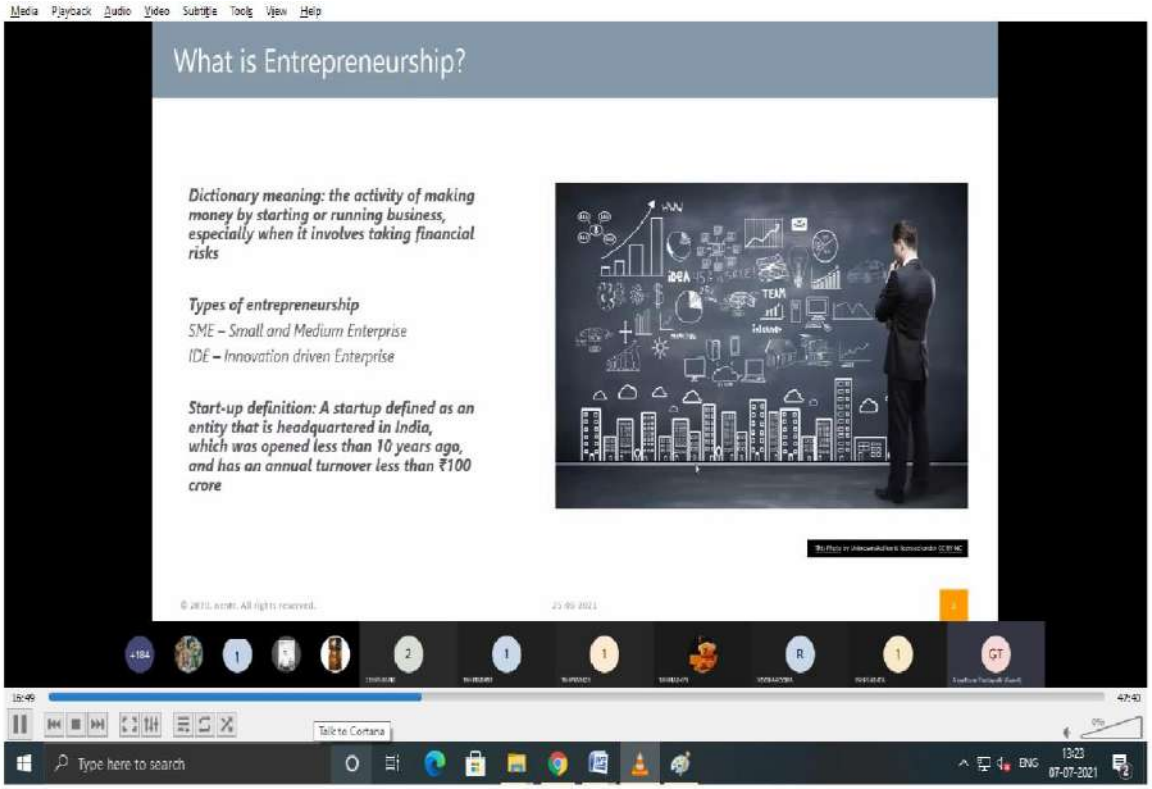
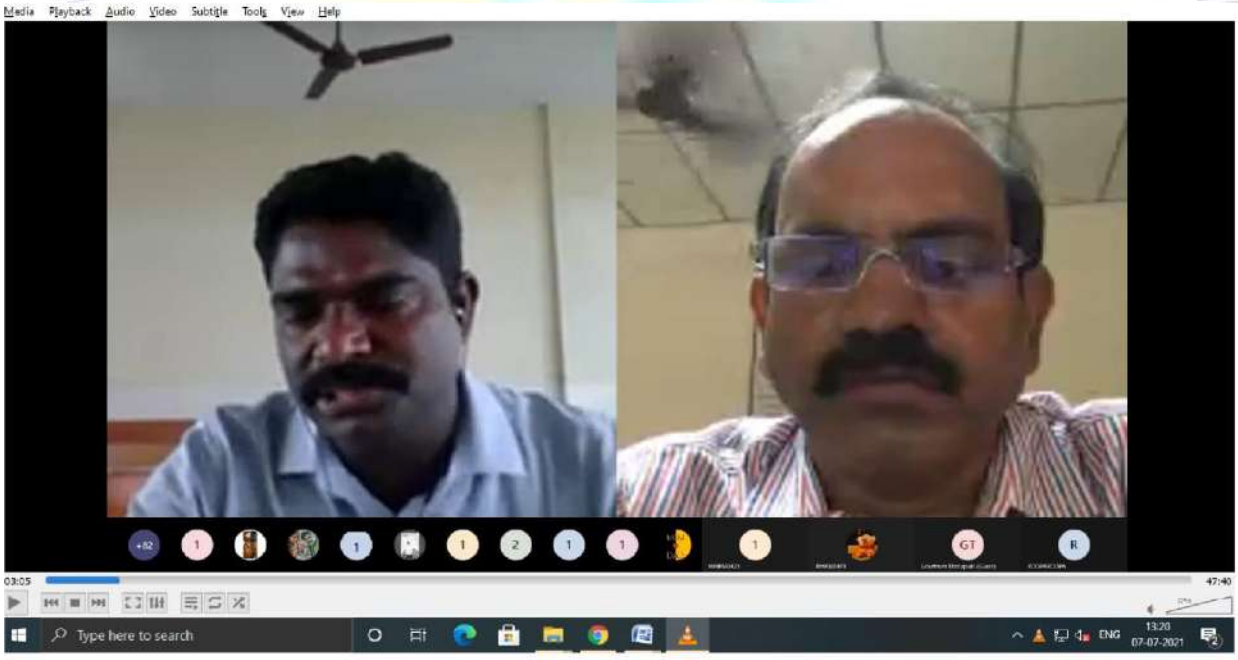
The geometry and configuration of the proposed orthogonal double element MIMO antenna is given in Fig. 8.
Two element collinear antenna
Two element MIMO antenna
Two element orthogonal MIMO antenna
Participants
Type here to search

2. One Day Online Webinar on "Entrepreneurship Awareness" on 25-06-21 :

One Day Online Webinar on **"ENTREPRENEURSHIP AWARENESS"** organized by Department of ECE in association with ED CELL,ALIET for IV, III, II yr ECE students on **25-06-21**. Mr.Thotapalli Gowtham,Founder, NENTR Pvt. Limited, Vijayawada and Mr.M.Rama Krishna,HOD ECE & Mr.N.Janardhan Rao, Coordinator ,ED Cell ,ALIET acted as Resource persons.





EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF SEPTEMBER 2021

1. Netcracker Tech India Pvt. Limited " Industry Interact with Students" on 18-09-21 :

One Day **"Industry Interact with Students"** organized by Department of ECE for IV ECE students on **18-09-21**. Mr.Kamesh,Software Engineer, **Netcracker Tech India Pvt. Limited** , Banglore acted as Resource person. He explained about Netcracker Digital OSS/BSS(Operations Support System and Business Support System) for the 5G Digital Era.

EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF OCTOBER 2021

1. Extension programme on "MAHATMA GANDHI JAYANTI" on 01-10-21:

Extension programme on "**MAHATMA GANDHI JAYANTI**" organized by Department of ECE at M.R.R.M.C.S.G High School, Krishna Lanka, Vijayawada **on 01-10-21**. Extension Coordinator Mr.A.Rajesh,Faculty from ECE Mr.A.Azeem and Mr.K.Appala Raju along with III yr ECE students, have visited the Government School at Krishna Lanka and explained the Biography of Mahatma Gandhi.

2. Text Books donated by 2021 Passed out students to Department Library on 01-10-21 :

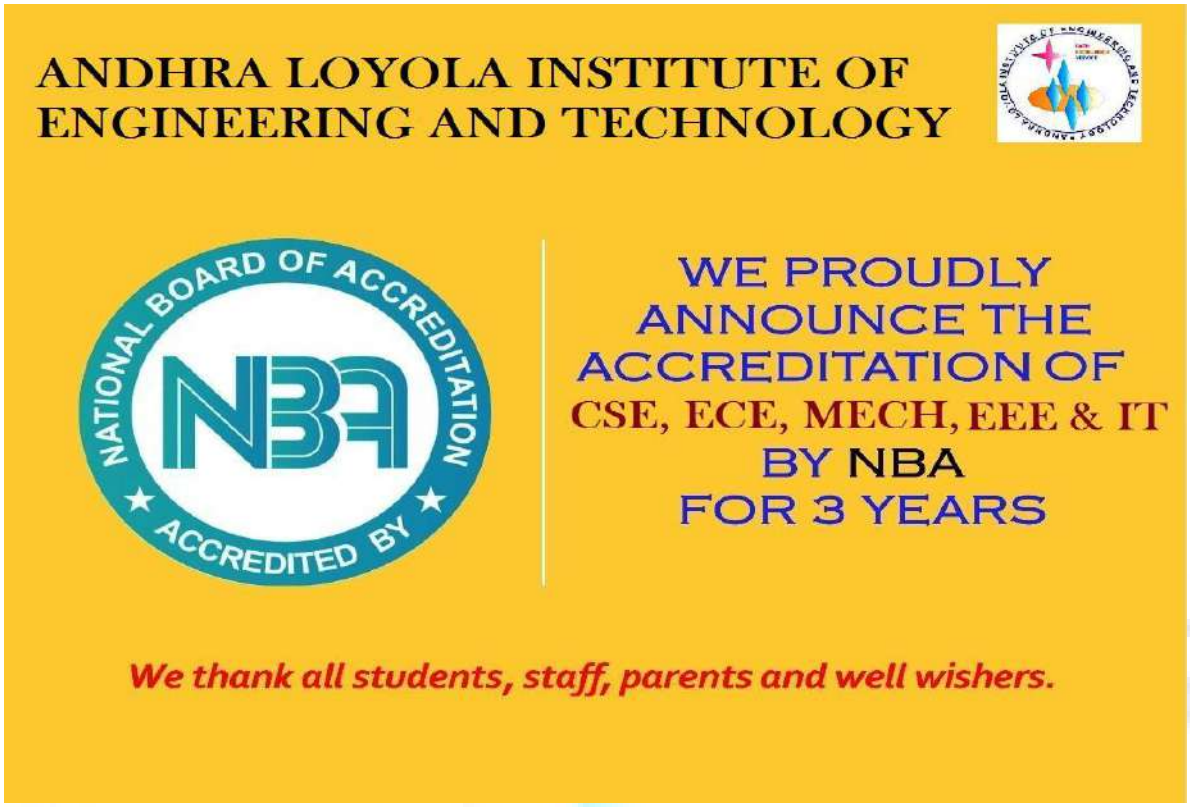
25 Text Books had donated by 2021 Passed out students (Alumni Students) to Department Library on 01-10-21 **. Ms. P.Amala Gouthami , Ms.K.Aishwarya** of 2021 passed out batch , handed over books to Mr. M.Rama Krishna, HOD ECE and present IV yr students.

2. Department of ECE Accredited by NBA on 01-10-21 :

ECE, CSE, MECH. EEE & IT (5 Branches of ALIET) are Accredited by NBA for 3 Years. Rev. Fr. Dr. A. Francis Xavier, S.J., Director, ALIET and Assistant Directors Rev. Fr. D Balaswamy, S.J. & Rev. Fr. N. Britto Martin Paul, S.J honoured Principal Dr. O. Mahesh ,HODs, NBA College & Department Coordinators and Criteria Coordinators, for their involvement in getting NBA Accreditation.

లయోలా ఇంజినీరింగ్ కళాశాలకు ఎన్‌బీఏ గుర్తింపు

కరెన్సీనగర్, న్యూస్‌టుడే: నగరంలోని ఆంధ్రా లయోలా ఇంజినీరింగ్ కళాశాలలో 5 కీలక విభాగాలకు నేషనల్ బోర్డు ఆఫ్ అక్రిడేషన్ గుర్తింపు ఇచ్చింది. కంప్యూటర్ సైన్స్, ఈసీఈ, ఈఈఈ, మెకానికల్, ఐటీ విభాగాలకు మూడేళ్ల పాటు ఈ గుర్తింపు ఉంటుంది. ఈ సందర్భంగా రెక్టార్ ఫాదర్ బాలశౌరి, డైరెక్టర్ ఫాదర్ ఫ్రాన్సిస్ జేవియర్, ప్రిన్సిపల్ ఒ.మహేష్, సహాయ డైరెక్టర్ బ్రిట్టో పాల్, సమన్వయకర్త బి.మల్లికార్జున్ తదితరులు కళాశాల బోధనా సిబ్బందిని అభినందించారు.

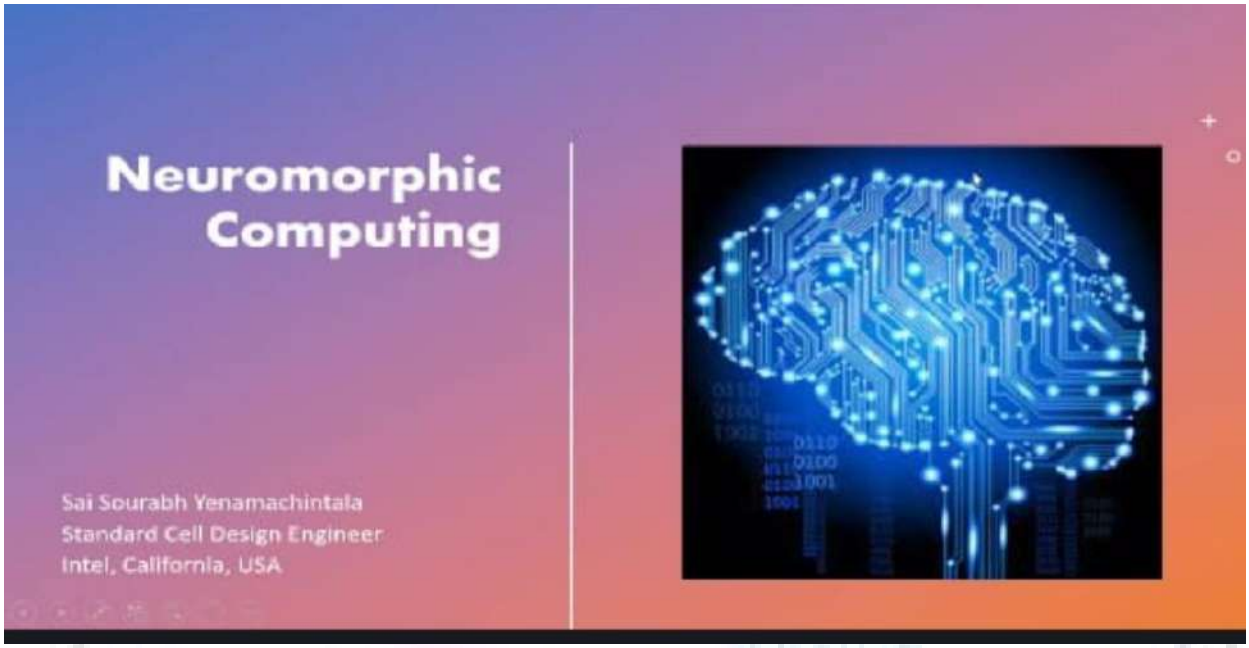


3. Alumni Meet "ANUBANDH-2021" on 02-10-21.

Alumni Meet "**ANUBANDH-2021**" was organized by Department of ECE on 02-10-21. Old Students of ALIET , have participated in Alumni Meet and shared their views about recent technologies available in the Industries. Mr.S.Mallikharjun Rao, Mr.A.Azeem, and Mrs.Santhi Kiran acted as Staff Coordinators for the Alumni Meet. Mr.M.Rama Krishna,HOD ECE and Assistant Director Rev. Fr. N. Britto Martin Paul, S.J addressed the Alumni students.

4. Two Week Online FDP on "AWS & MACHINE LEARNING" from 04-10-21 to 13-10-21 :

Two Week Online Faculty Development Programme(FDP) on "**AWS & MACHINE LEARNING**" organized by Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET. In association with E & ICT academy, NIT Warangal. from 04-10-21 to 13-10-21 . Mr.Y.Sai Sourabh, Intel, California, USA acted as Resource Person. Dr.T.Lakshmi Narayana, Associate Professor & Mr.Md.Baig, Assistant Professor, Dept. of ECE,ALIET and Dr.B.Lakshmi, Associate Professor, Dept. of ECE, NIT,Warangal acted as Coordinators for this FDP.



Andhra Loyola Institute of Engineering and Technology

Approved by AICTE, New Delhi and Affiliated to JNTU Kakinada
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in association with

E & ICT Academy, National Institute of Technology, Warangal.
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

A FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
AWS & Machine Learning
(4th – 13th October 2021)

Chief Patron

Rev. Fr. P. Balashowry, S.J.,
Rector, Andhra Loyola Institutions.

Chief Coordinator

Rev. Fr. Dr. A. Francis Xavier, S.J.,
Secretary & Director, ALIET.

Chairman

Dr. O. Mahesh
Principal, ALIET.

Patrons

Rev. Fr. D Balaswamy, S.J.,
Assistant Director, ALIET.

Rev. Fr. N. Britto Martin Paul, S.J.,
Assistant Director, ALIET.

Convener

Mr. M Rama Krishna,
HOD, Dept. of ECE, ALIET.

Coordinators

Dr. Lakshmi Narayana Thalluri
Associate Professor,
Dept. of ECE, ALIET.

Mr. Md Baig
Assistant Professor,
Dept. of ECE, ALIET.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Cordially invite you to the inaugural of

FACULTY DEVELOPMENT PROGRAMME

On

"AWS & MACHINE LEARNING"

4th – 13th October, 2021.

Organized By

Dr. A P J Abdul Kalam Research Forum,
Dept. of ECE, ALIET.

In association with

E & ICT academy, NIT Warangal.

ONLINE PLATFORM

WebEx

Link:https://nitwarangal.webex.com/nitwarangal/j.php?MTID=me6c7ab3b71f8f255582a2c54b1cc4736

INAUGURATION TIME

10:00 AM

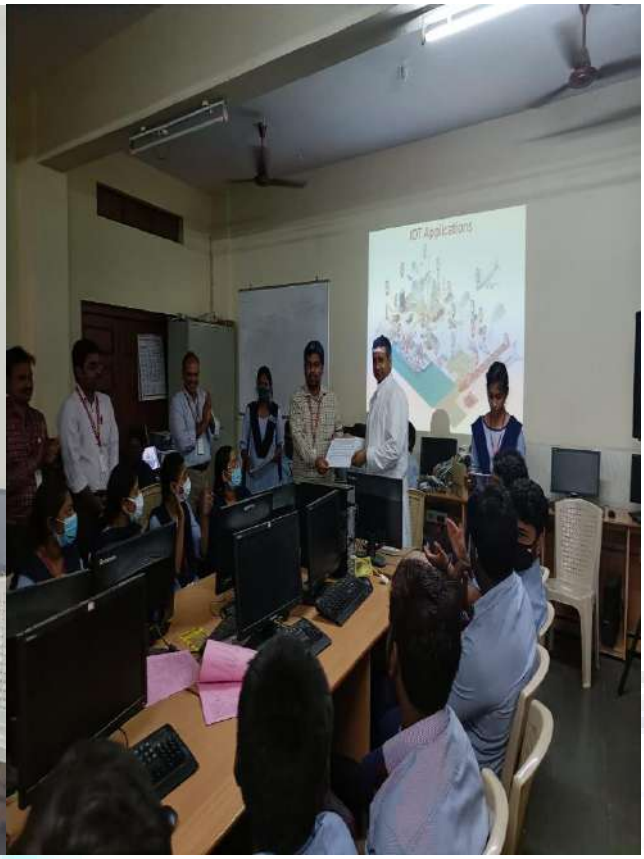
5. One Day Guest Lecture on "Guidance and Control of Missile Systems" on 07-10-21 :

The Institute of Engineers(IE), Andhra Pradesh State Chapter in association with ECE&EEE Departments of ALIET, organized One Day Guest Lecture on "**Guidance and Control of Missile Systems**" for IV year students on 07-10-21. Mr.G.Murali Mohan, Scientist 'F' , DRDL,Hyderabad acted as Resource Person.

6. Two Day Workshop on "IOT Technology for Smart Applications" from 07-10-21 to 08-10-21 :

Two Day Workshop on **"IOT Technology for Smart Applications"** organized by Embedded Systems Group,Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET. in association with IETE Student Forum for III year ECE students from 07-10-21 to 08-10-21 . **Dr. Kiran Kumar Gurrala** HOD, Department of ECE, National Institute of Technology Andhra Pradesh. Dr.T.Lakshmi Narayana, Associate Professor, Mr. K Srinivas Rao, Assistant Professor, Mrs. B. Santhi Kiran, Associate Professor ,Mr. Y Pavan Kumar, Assistant Professor and Ms. S Spandana, Assistant Professor of ALIET acted as Resource Persons. Rev. Fr. N. Britto Martin Paul, S.J, Assistant Director distributed Certificates(Organizer) to Embedded System Research Group Faculty . Mr.M.Rama Krishna,HOD ECE distributed Certificates(Volunteer) to IV year ECE students , who have helped the participants for hands-on session(Arduino and IOT).

IOT Applications


IOT Applications

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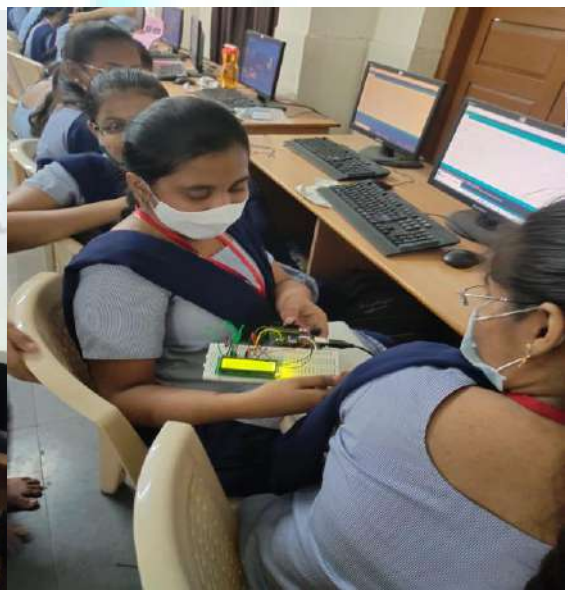

7. Two Day Workshop on "PCB DESIGN" from 29-10-21 to 30-10-21 :

Two Day Workshop on **"PCB DESIGN"** organized by VLSI Research Group,Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET in association with IETE Student Forum for II year ECE students from 29-10-21 to 30-10-21 . **Mr. V. GOVIND RAO,** Senior Design Engineer, MicroLink Technologies, Vijayawada., acted as Resource Persons. Rev. Fr. N. Britto Martin Paul, S.J, Rev. Fr. Bala Swamy Assistant Directors of ALIET and Mr.M.Rama Krishna,HOD ECE are the Chief Guests for this Workshop. Mr.G. Ravi and Mr. A. Azeem, Assistant Professors are the Coordinators of this Workshop. Resource Person explained the Various steps of Designing a Circuit using PCB like Thinning,Art Work,Etching,Drilling,Placing the Components , Soldering and Testing the Result.

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECH
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ALC Campus, I.T.I Road, Vijayawada-520008
Department of Electronics & Communication Engineering
A Two Day WORK SHOP
On
"PCB DESIGN"
29th to 30th OCTOBER, 2021.
Resource Person
Mr. V.GOVINDRAO M.Tech.
Senior Design Engineer, MicroLink Technologies, Vijayawada
Organized by
VLSI Research Group,
Dr. APJ Abdul Kalam Research Forum
Department of ECE
in association with
MicroLink Technologies
Welcome

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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MICROLINK

31-10-21

విద్యార్థులకు ప్రశంసాపత్రాల అందజేత

కరెన్సీనగర్, న్యూస్‌టుడే: ఏపీజే అబ్దుల్ కలాం రీసెర్చ్ ఫోరంసహకారంతో ఆంధ్రా లయోల ఇంజినీరింగ్ కళాశాలలో ఈసీఈ విభాగం ద్వితీయ సంవత్సరం విద్యార్థులకు రెండు రోజుల కార్యశాల శనివారంతో ముగిసింది. ముఖ్యఅతిథిగా మైక్రోలింక్ టెక్నాలజీస్ సీనియర్ డిజైన్ ఇంజినీర్ జి.గోవిందరావు హాజరై విద్యార్థులు రూపొందించిన పి.సి.బి.లో డిజైనింగ్, మాస్కింగ్, ఎచింగ్, డ్రైయింగ్, డ్రిల్లింగ్ పరికరాల పనితీరును విశ్లేషించారు. ముగింపు కార్యక్రమంలో సహాయ డైరెక్టర్లు బాలస్వామి, ఓన్.బ్రిట్టో, ప్రిన్సిపల్ మహేష్, ఈసీఈ విభాగాధిపతి ఎం.రామకృష్ణ పాల్గొని విద్యార్థులకు ప్రశంసాపత్రాలు అందజేశారు. సమన్వకర్తలుగా జి.రవి, అజీమ్, ఆంజనేయులు, హెప్సిబా రాణి వ్యవహరించారు.

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Five Day WORK SHOP
On
"PCB DESIGN"
29th to 30th OCTOBER, 2021.
Mr. Y.GOVINDRAO
Welcome

WHITE LED
RED LED
GREEN LED
A Two Day WORK SHOP
On
"PCB DESIGN"
29th to 30th OCTOBER, 2021.
Mr. V.GOVINDRAO
Organized by
VLSI Research Group,
Dr. APJ Abdul Kalam Research Forum
Department of ECE
in association with
MicroLink Technologies
Welcome

EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF NOVEMBER 2021

1. Six Day Certificate Course on "Industrial Automation with PLC" from 10-11-21 to 17-11-21:

Six Day Certificate Course was organized by Department of ECE in collaboration with APSSDC, for IV B.Tech students on the topic "**Industrial Automation with PLC**" from 10-11-21 to 17-11-21., Mr.G.Vijay Kumar, and Mr.Y.Pavan Kumar, Assistant Professors acted as Coordinators for this Certificate Course Training. Mr.B.Naga Raju and Mr.B.Mahidar of APSSDC acted as Resource Persons.

1. One Day Seminar on "Effective Utilization of Mobile Phone Now a Days" on 10-11-21 :

One Day Seminar was organized by Department of ECE in collaboration with IETE Student Forum, for II B.Tech students on the topic "**Effective Utilization of Mobile Phone Now a Days**" on 10-11-21. Mr.M.Rama Krishna,HOD ECE acted as Resource Person for this Seminar. Mr.G. Ravi and Mr. A. Azeem, Assistant Professors are the Coordinators of this Seminar.

3. Extension programme on “CHILD LINE Se Dosti Week Long Campaign” from 14-11-21 to 20-11-21:

Extension programme on “**CHILD LINE Se Dosti Week Long Campaign**” organized by Department of ECE at Railway Station, Vijayawada **from 14-11-21 to 20-11-21**. Extension Coordinator Mr.A.Rajesh, Faculty from ECE Mr.K.Appala Raju along with III yr ECE students, have participated in this event “**CHILDLINE-1098, NATIONAL EMERGENCY HELP LINE CHILD FOR DISTRESSED CHILDREN “**

EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF FEBRUARY 2022

1. Science Exhibition visit at School of Planning and Architecture **on 24-04-22:**

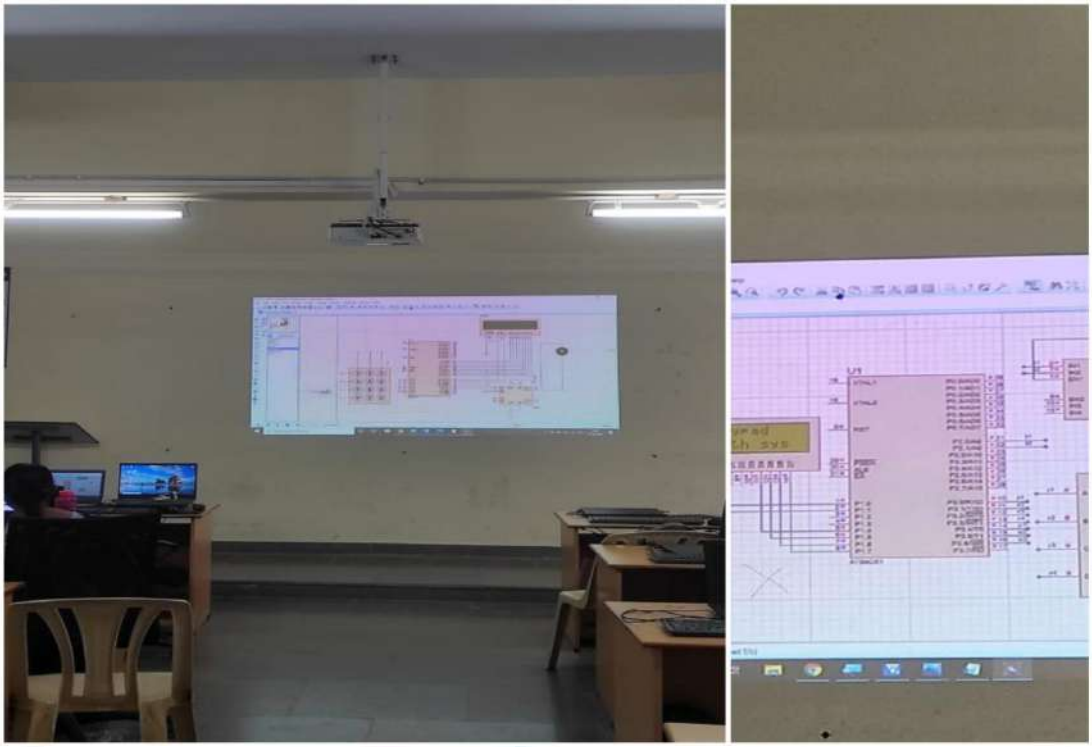
One Day Science Exhibition visit for IV B.Tech students at School of Planning and Architecture,Vijayawada on 24-04-22. Mr.G.Ravi, and Mr.A.Azeem, Assistant Professors accompanied with students.

MISSION SHAKTI

EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF MARCH 2022

1. One Week Workshop on **"Embedded Systems program" from 07-03-22 to 12-03-22:**

One Week Workshop was organized by Department of ECE in collaboration with APSSDC, for IV B.Tech students on the topic "**Embedded Sysytems Program**" from 07-03-22 to 12-03-22., Mr.G.Vijay Kumar, and Mr.Y.Pavan Kumar, Assistant Professors acted as Coordinators for this Certificate Course Training. M. Prapul Kumar and Mr.B.Naga Raju of APSSDC acted as Resource Persons.



EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF APRIL 2022

1. Guest Lecture on "Entrepreneurship Development in India" on 08-04-22:

One Day Guest Lecture was organized by Department of ECE in collaboration with Entrepreneurship Development Cell of ALIET , for III B.Tech students on the topic "Entrepreneurship Development in India" on 08-04-22.

Dr. C. V. Purushotham, Assistant Professor, ABBS School of Management, Bangalore, Karnataka acted as Resource Person for this Guest Lecture. Mr.G. Roopa Krishna, Assistant Professor is the Coordinator of this Guest Lecture.

GPS Map Camera
Vijayawada, Andhra Pradesh, India
54, Nelson Mandela Park Rd, LIC Colony, Vijayawada, Andhra Pradesh 520008, India
Lat 16.509627°
Long 80.657274°
08/04/22 10:47 AM
Google

GPS Map Camera
Vijayawada, Andhra Pradesh, India
GM65+47H, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520008, India
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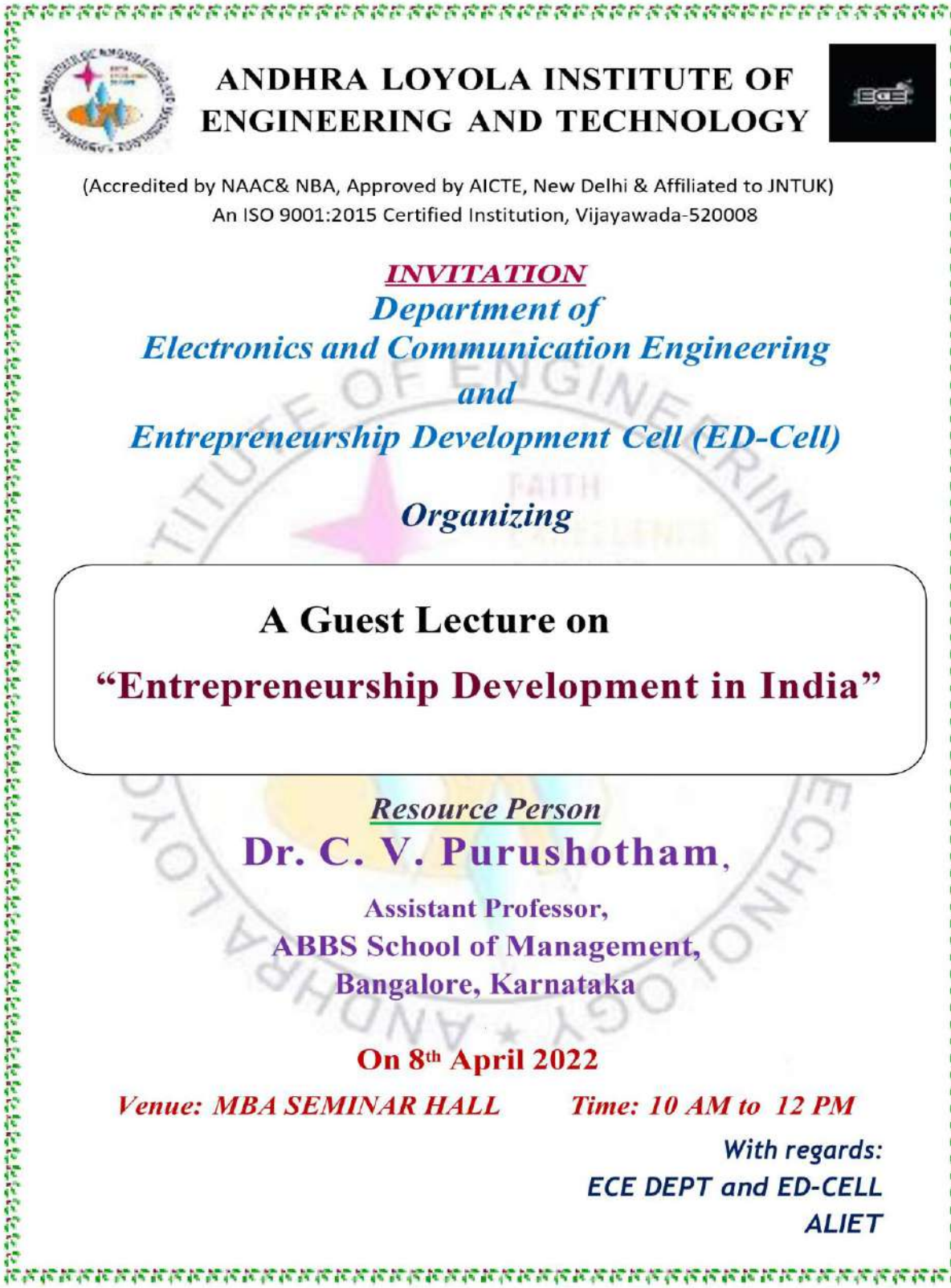
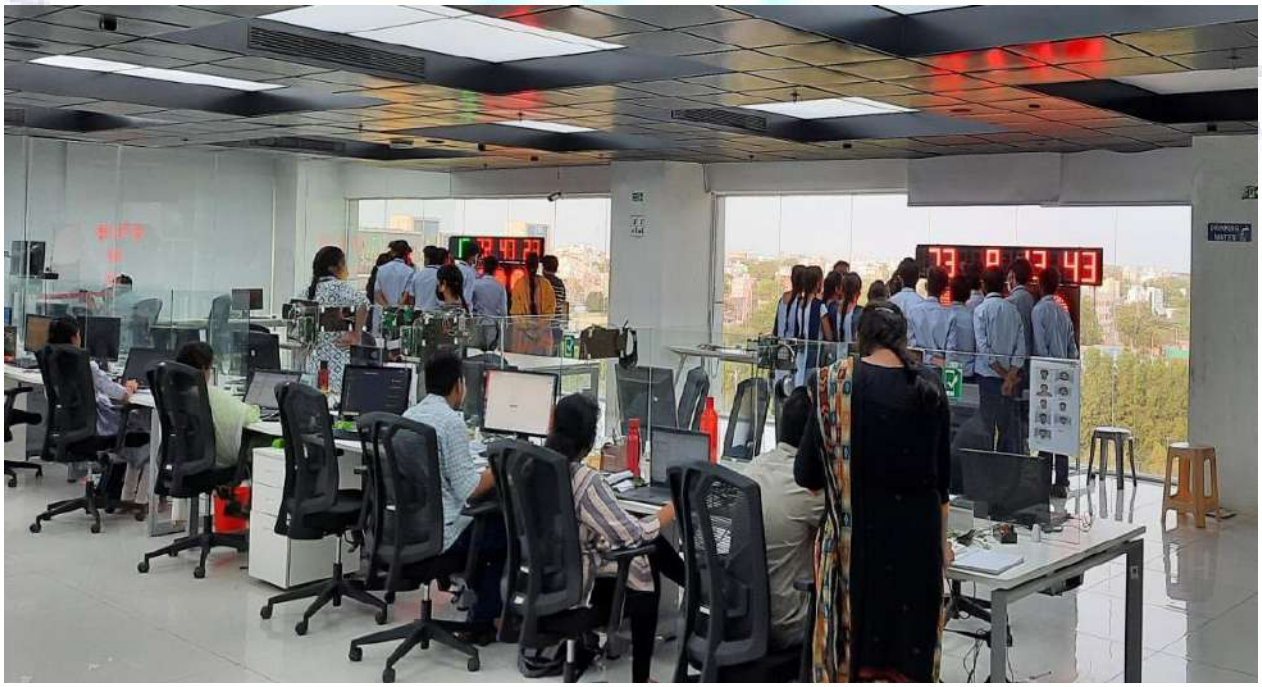
Google



2. INDUSTRIAL VISIT to "Efftronics",Mangalagiri on 23-04-22:

III BTECH ECE students of division -1 were accompanied with staff Mr. Y. Pavan Kumar , Mr.S.Mallikharjuna Rao , Mr.G.Vijay Kumar, Mr.M.Rama Krishna and Mrs. D.Hepzibha Rani, Efftronics,Mangalagiri ,Guntur District on 23-04-22. Students visited the plant and learnt IoT Applications in Industry.

eMtronics
ఎఫ్‌టానిక్స్
ESTIN
email
info@eMtronics.com
Phone
+91(8645)666777
Plot No-4, IT Park, Aulanagar, Mangalagiri-522 503, Guntur, AP, INDIA
eMtronics



EVENTS IN THE DEPARTMENT OF ECE FOR THE MONTH OF MAY 2022

1. Three Day Workshop on "EMBEDDED SYSTEMS AND IOT " from 09-05-22 to 11-05-22(ECE 2) & 16-05-22 to 18-05-22(ECE 1):

Three Day Workshop on **"EMBEDDED SYSTEMS AND IOT "** organized by Embedded Systems Group, Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET. in association with IETE Student Forum for II year ECE students from 09-05-22 to 11-05-22(ECE 2) & 16-05-22 to 18-05-22(ECE 1) **.** Dr.T.Lakshmi Narayana, Associate Professor, Mr.S.Mallikharjuna Rao, Associate Professor, Mr. Y Pavan Kumar, Assistant Professor, Mrs. B. Santhi Kiran, Associate Professor, Mr. K Srinivas Rao, Assistant Professor, Mr.G.Vijay Kumar, Assistant Professor, Mr.M.Rama Krishna, Assistant Professor and Ms. S Spandana, Assistant Professor of ALIET acted as Resource Persons. Rev. Fr. N. Britto Martin Paul, S.J, Assistant Director distributed Certificates(Organizer) to Embedded System Research Group Faculty . Mr.M.Rama Krishna,HOD ECE distributed Certificates(Volunteer) to IV and III year ECE students , who have helped the participants for hands-on session(Arduino and IOT)

Andhra Loyola Institute of Engineering and Technology

Approved by AICTE, New Delhi and Affiliated to JNTU Kakinada
Accredited by NAAC, NBA & An ISO 9001:2015 Certified Institution

in association with
Institution of Electronics and Telecommunication Engineers

Workshop on
Embedded Systems and IoT
(9th – 11th May 2022)

Chief Patron
Rev. Fr. P. Balashowry, S.J,
Rector, Andhra Loyola Institutions.

Chief Coordinator
Rev. Fr. Dr. A. Francis Xavier, S.J.,
Secretary & Director, ALIET.

Chairman
Dr. O. Mahesh
Principal, ALIET.

Patrons
Rev. Fr. D Balaswamy, S.J.,
Assistant Director, ALIET.

Rev. Fr. N. Britto Martin Paul, S.J.,
Assistant Director, ALIET.

Convener
Mr. M Rama Krishna,
HOD, Dept. of ECE, ALIET.

Coordinators
Dr. Lakshmi Narayana Thalluri
Assoc. Professor, Dept.of ECE, ALIET.
Mr. S Mallikharjuna Rao
Assoc. Professor, Dept.of ECE, ALIET.
Mr. Y Pavan Kumar
Asst. Professor, Dept. of ECE, ALIET
Mrs. B. Santhi Kiran
Assoc Professor, Dept. of ECE, ALIET
Mr. K Srinivas Rao
Asst. Professor, Dept. of ECE, ALIET
Ms. S Spandana
Asst. Professor, Dept. of ECE, ALIET

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Cordially invite you to the inaugural of

Workshop

On

"EMBEDDED SYSTEMS AND IOT"

9th – 11th May, 2022.

Organized By
Dr. A P J Abdul Kalam Research Forum,
Dept. of ECE, ALIET.

In association with
Institution of Electronics and Telecommunication Engineers (IETE)

Venue
ALIET-SEIMENS CPT LAB

INAUGURATION TIME
9:00 AM

With Regards,
Head of the Department,
Electronics and Communication Engineering, ALIET.

Andhra Loyola Institute of Engineering and Technology
Workshop on
"EMBEDDED SYSTEMS AND IOT"
Venue
ALIET-SIEMENS CPT LAB

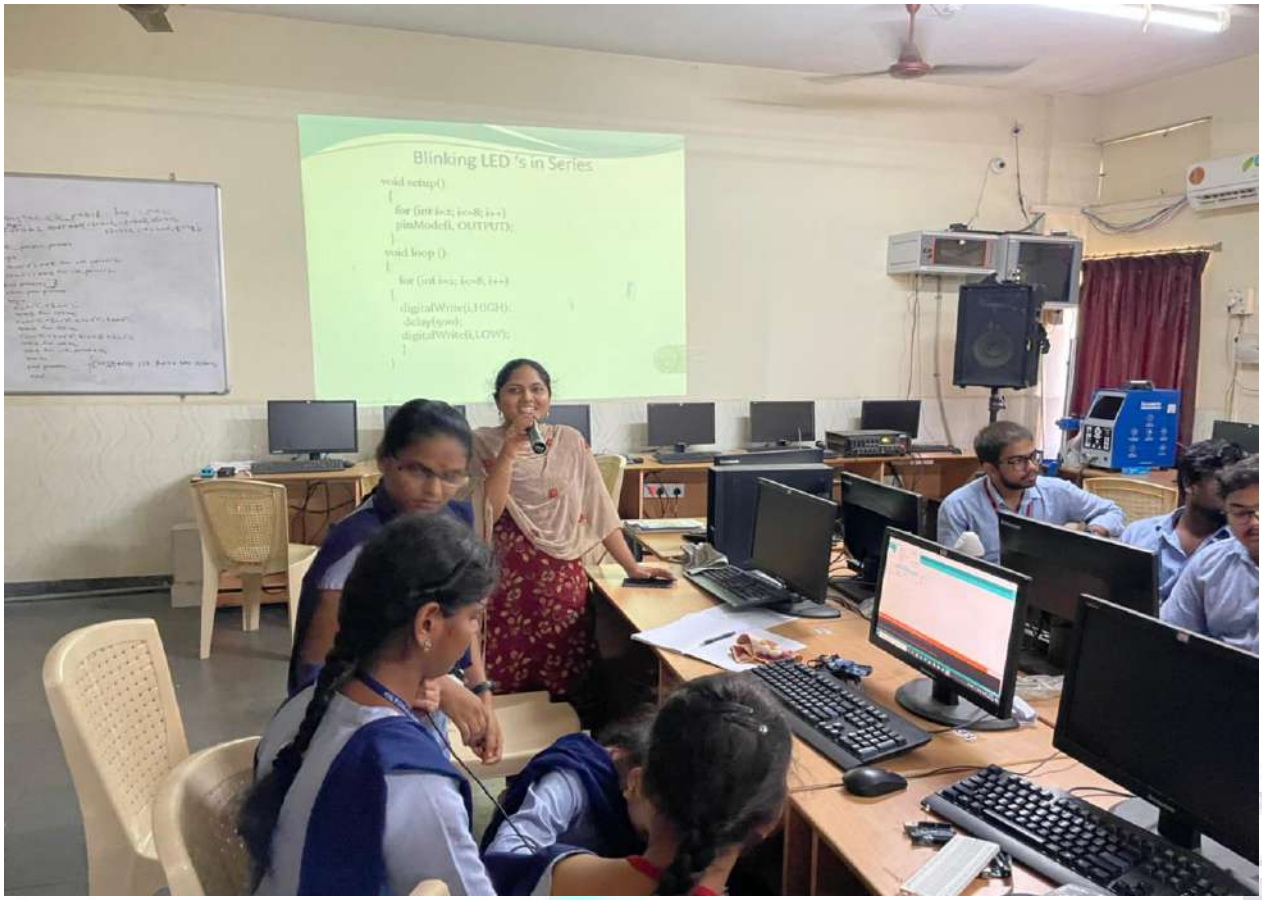
Wi-Fi Module Interface
GPS Map Camera
Vijayawada, Andhra Pradesh, India
GM65+47H, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520008, India
Lat 16.509641°
Long 80.658345°
11/05/22 10:36 AM
Google

A THREE DAY WORKSHOP
On
"EMBEDDED SYSTEMS AND IOT"
Organized by Dept. of ECE,
Presented By
Mr S.MALLIKHARJUNA RAO,
Associate Professor,
Dept. of ECE, ALIET.

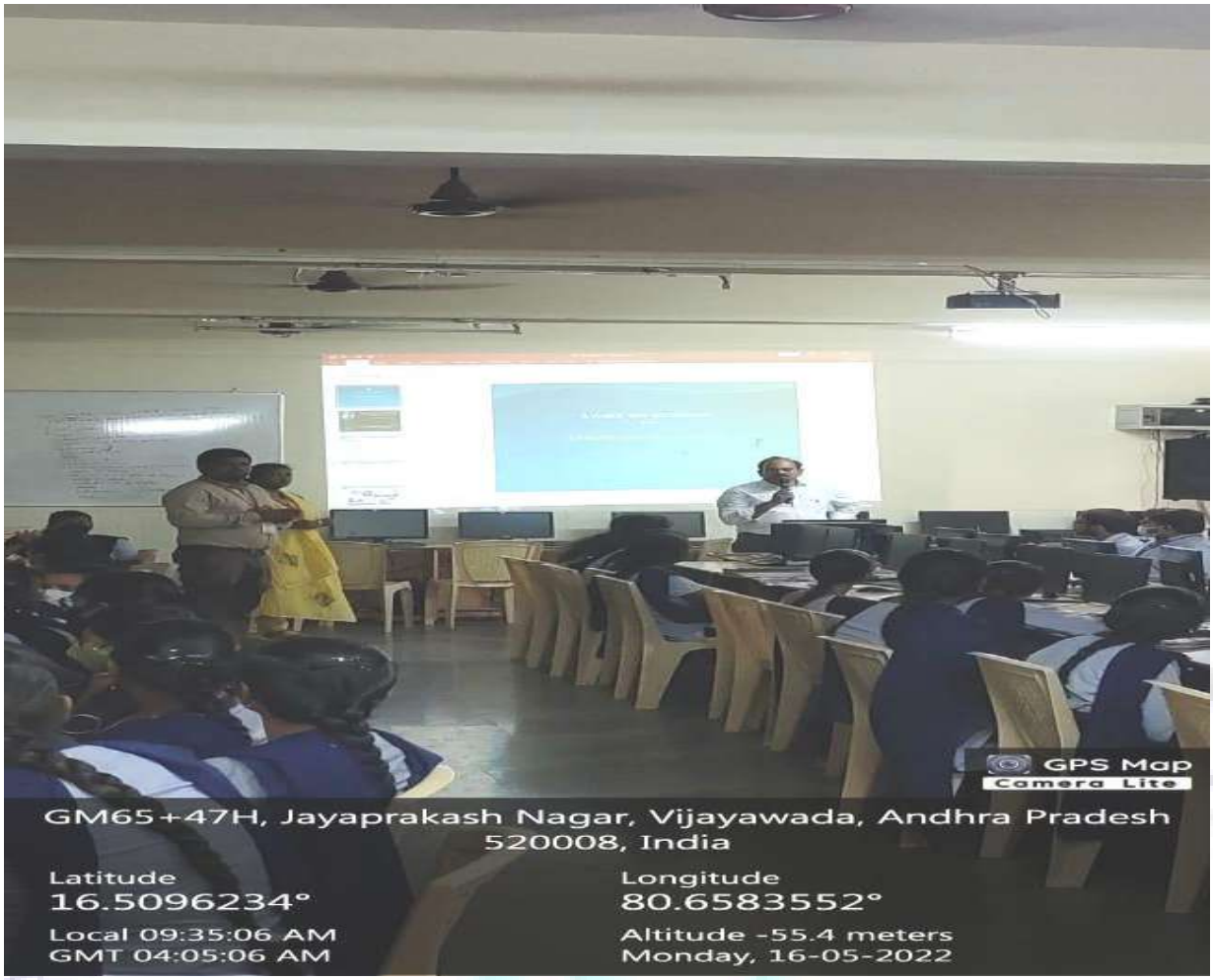
A
Three day workshop
On
EMBEDDED SYSTEMS & IOT
Topic: Internet of Things (IoT)
By

Sensors
Sensor is a type of transducer which will convert the mechanical energy(Temperature, Humidity, Pressure, Weight, Light) into electrical energy (Voltage).
Example:
1. Temperature [Ex: LM 35]
2. Humidity [Ex: DHT11]
3. Blood Pressure [Ex: KY 014,HW01]
4. Weight[Ex: Load
5. Light [Ex:
Film Colony Road, Jayaprakash Nagar,
Vijayawada, 520008, AP, India
Latitude
16.508078 N
Local 09:58:46 AM
GMT 04:28:46 AM
Longitude
80.656458 E
Altitude 19.17 meters
Tuesday, 05/17/2022

Definition
lenovo


Blinking LED 's in Series

Andhra Loyola Institute of Engineering And Technology
Department of Electronics and Communication Engineering
A Three Day Workshop
on
"EMBEDDED SYSTEMS AND IOT"
16 - 18 May 2022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Altitude -55.4 meters
Monday, 16-05-2022

GPS Map
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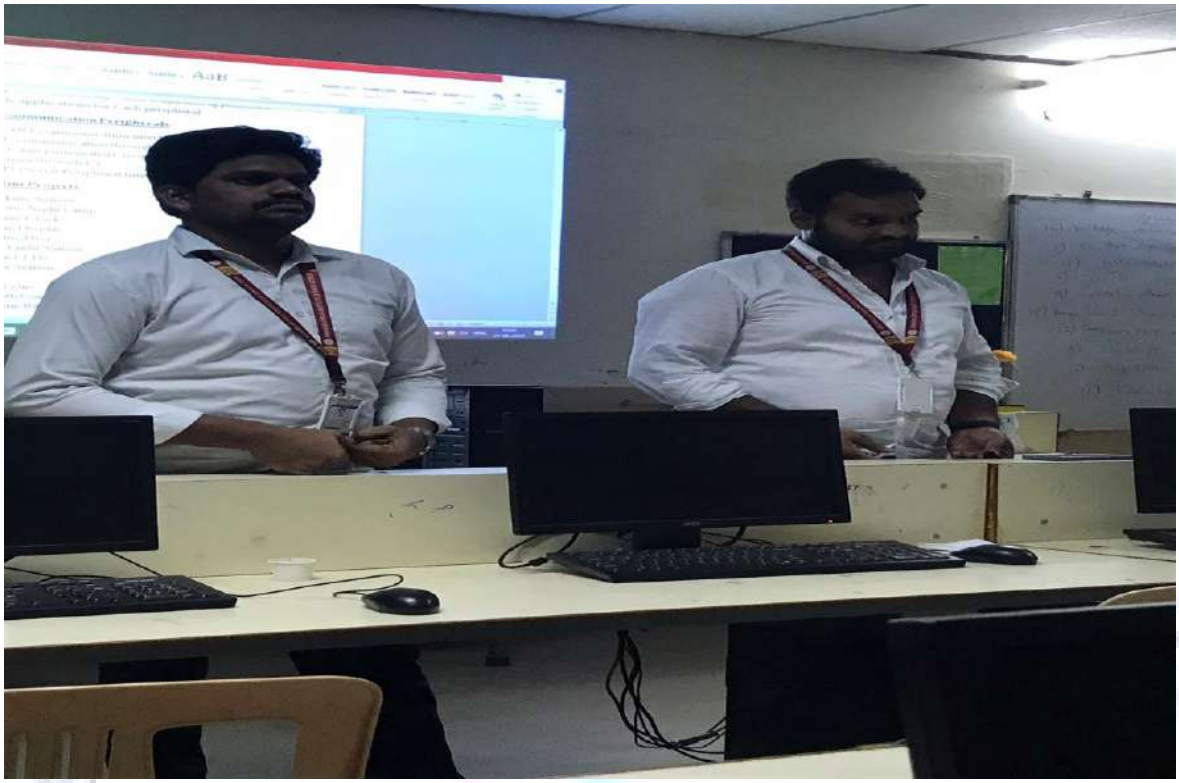
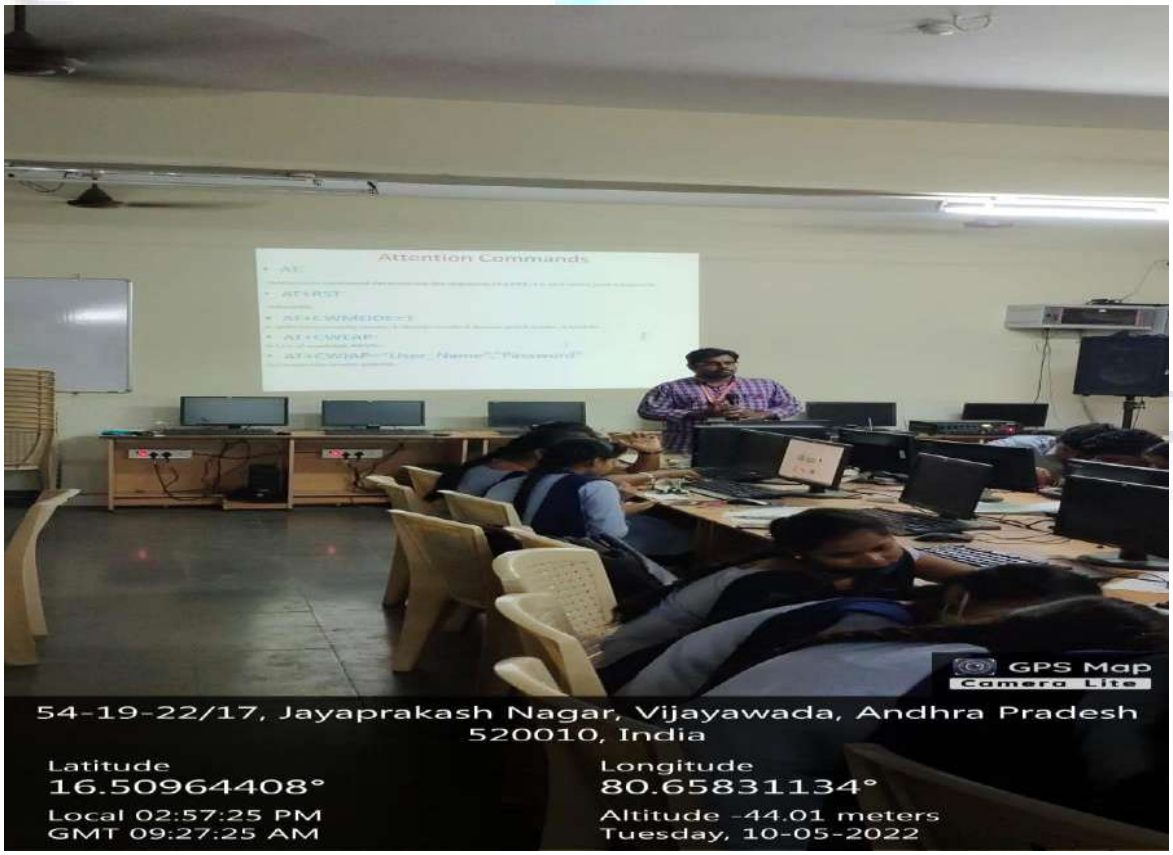
Tuesday, 10-05-2022

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GPS Map
Camera Lite
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520010, India
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Longitude
80.65831134°
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GMT 09:27:25 AM
Altitude -44.01 meters
Tuesday, 10-05-2022

2. Three Day Workshop on "MATLAB BASICS " from 09-05-22 to 11-05-22(ECE 1) & 19-05-22 to 21-05-22(ECE 2):

Three Day Workshop on **"MATLAB BASICS"** organized by Signal Processing Research group, Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET. in association with IE Student Forum for II year ECE students from 09-05-22 to 11-05-22(ECE 1) & 19-05-22 to 21-05-22(ECE 2) . Mr.M.Rama Krishna,HOD ECE, Dr.K.Prasanthi Jasmine, Professor, Mr.Md.Baig Mohammad and Mr.G.Roopa Krishna of ALIET acted as Resource persons, explained the basic Matlab programming, Simulink and Signal & Image processing applications. With the help of Hands-on sessions. Mr.Md.Baig Mohammad and Mr.G.Roopa Krishna, Assistant Professors are the Coordinators of the Workshop.

Andhra Loyola Institute of Engineering and Technology

Approved by AICTE, New Delhi and Affiliated to JNTU Kakinada
Accredited by NAAC, NBA & An ISO 9001:2015 Certified Institution

in association with
The Institution of Engineers (India)

A Three Day Workshop on MATLAB Basics
(9th –11th May 2022)

Chief Patron
Rev. Fr.P.Balashowry,S.J,
Rector, Andhra Loyola Institutions.

Chief Coordinator
Rev. Fr. Dr. A. Francis Xavier,S.J.,
Secretary & Director,ALIET.

Chairman
Dr. O.Mahesh
Principal, ALIET.

Patrons
Rev. Fr.D Balaswamy,S.J.,
Assistant Director, ALIET.

Rev. Fr.N.Britto Martin Paul,S.J.,
Assistant Director, ALIET.

Convener
Mr. M Rama Krishna,
HOD, Dept. of ECE, ALIET.

Organizing Committee
ECE Team

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Cordially invite you to the inaugural

Of

" ATHREE DAY WORKSHOP ON MATLAB BASICS"

9th–11thMay, 2022.

Organized By
Dr. A P J Abdul Kalam Research Forum,
Dept. of ECE, ALIET.

In association with
The Institution of Engineers (IEI)

Venue
DSP LAB

INAUGURATION TIME
9:00 AM

With Regards,
Head of the Department,
Electronics & Communication Engineering, ALIET.

Andhra Loyola Institute of Engineering and Technology

Approved by AICTE, New Delhi and Affiliated to JNTU Kakinada
Accredited by NAAC, NBA & An ISO 9001:2015 Certified Institution

in association with
The Institution of Engineers (India)

A Three Day Workshop on MATLAB Basics

(19th –21st May 2022)

Chief Patron
Rev. Fr.P.Balashowry,S.J,
Rector, Andhra Loyola Institutions.

Chief Coordinator
Rev. Fr. Dr. A. Francis Xavier,S.J.,
Secretary & Director,ALIET.

Chairman
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Principal, ALIET.

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Rev. Fr.D Balaswamy,S.J.,
Assistant Director, ALIET.

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Assistant Director, ALIET.

Convener
Mr. M Rama Krishna,
HOD, Dept. of ECE, ALIET.

Organizing Committee
ECE Team

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Cordially invite you to the inaugural

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" ATHREE DAY WORKSHOP ON MATLAB BASICS"

19th–21stMay, 2022.

Organized By
Dr. A P J Abdul Kalam Research Forum,
Dept. of ECE, ALIET.

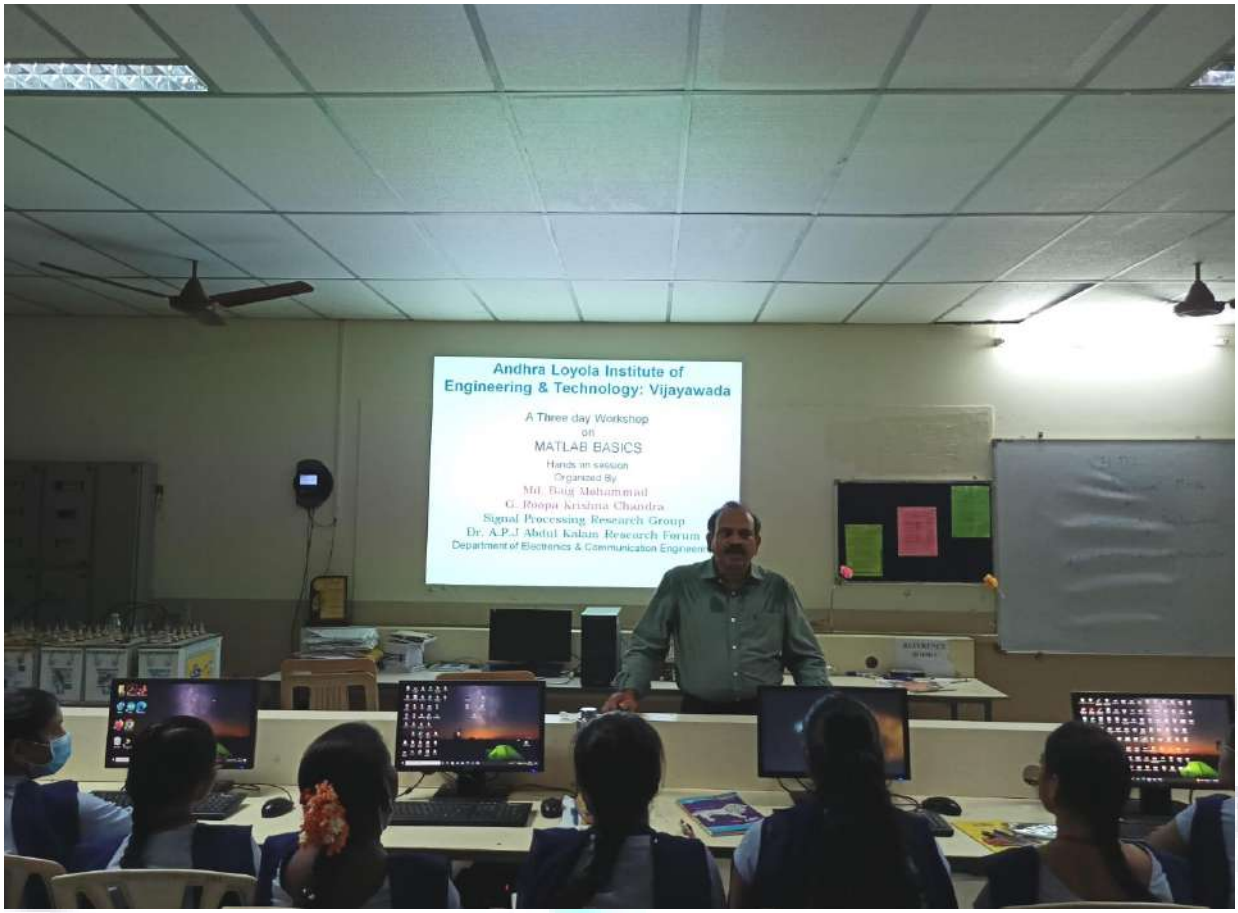
In association with
The Institution of Engineers (IEI)

Venue
SEIMEN'S LAB

INAUGURATION TIME

9:00 AM

With Regards,
Head of the Department,
Electronics & Communication Engineering, ALIET.


Andhra Loyola Institute of
Engineering & Technology: Vijayawada
A Three day Workshop
on
MATLAB BASICS
Hands on session
Organized By
Md. Baig Mohammad
G. Roopa Krishna Chandra
Signal Processing Research Group
Dr. A.P.J Abdul Kalam Research Forum
Department of Electronics & Communication Engineering

Andhra Loyola Institute of
Engineering & Technology: Vijayawada
A Three day Workshop
on
Applications of MATLAB
in Sciences and Engineering
Hands on session
Organized By
Md. Baig Mohammad
G. Roopa Krishna Chandra
Signal Processing Research Group
Dr. A.P.J Abdul Kalam Research Forum
GPS Map Camera
Vijayawada, Andhra Pradesh, India
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Google

GPS Map Camera
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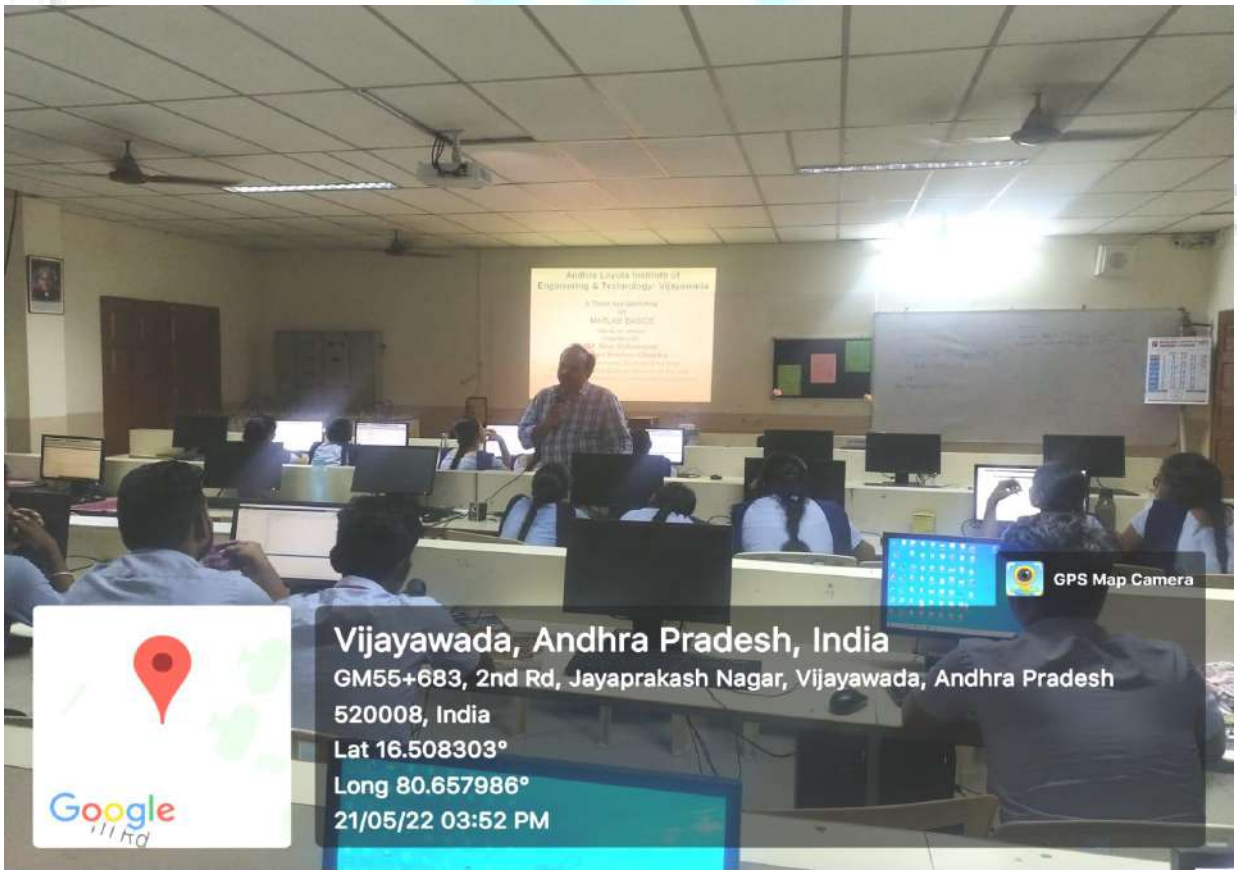
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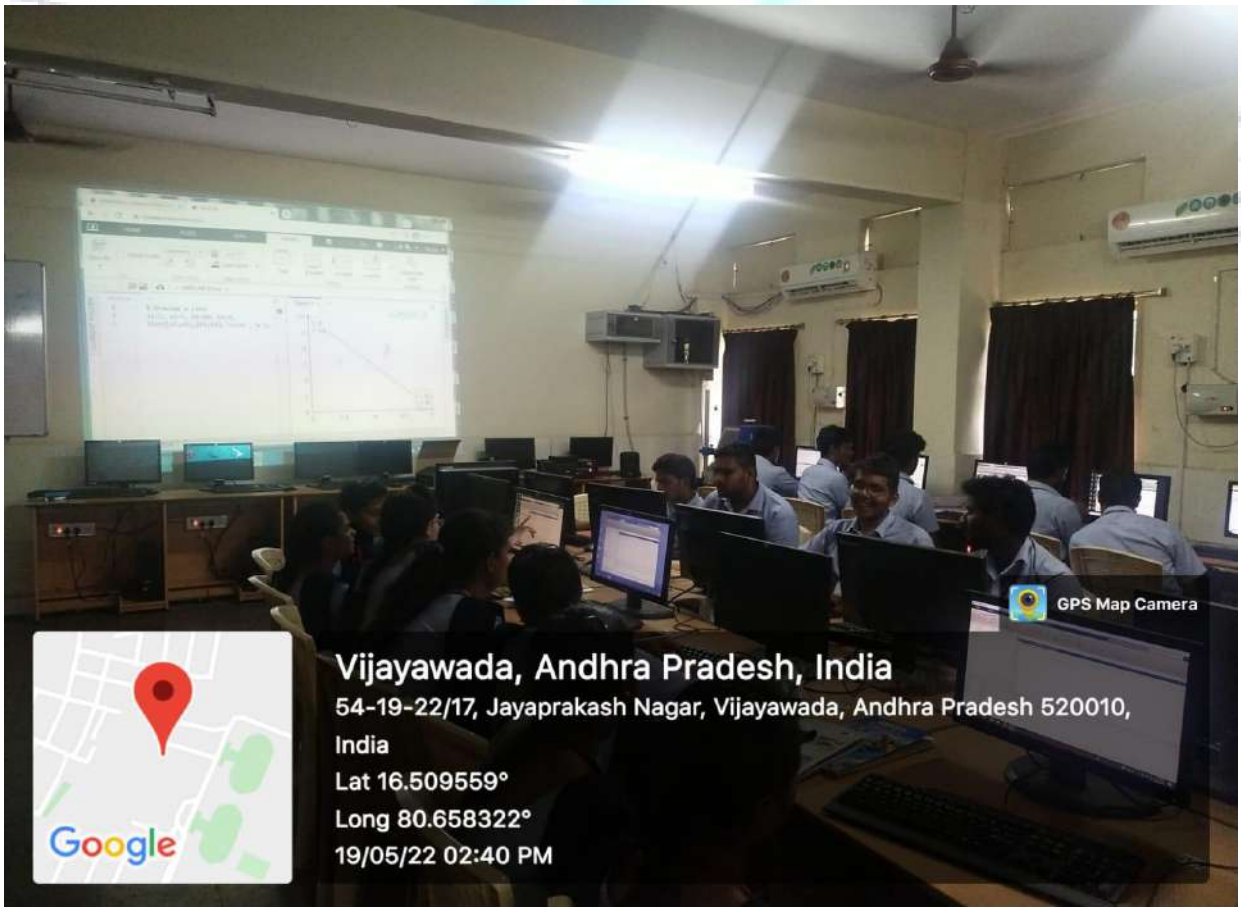
GPS Map Camera
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19/05/22 02:40 PM
Google

3. "Project Expo 2022" on 28-05-22 :

"Project Expo 2022" , organized by Signal Processing Research group, Dr. A P J Abdul Kalam Research Forum, Dept. of ECE, ALIET on 28-05-22. IV ECE students explained their projects to Guests,Faculty and 3rd yr & 2nd yr students. ECE 1 and ECE 2 students explained results of their Projects. Department Project Coordinators Dr.T.Lakshmi Narayana, Associate Professor, Mr.Md.Baig Mohammad. Mr.G.Vijay Kumar and Mr. Y Pavan Kumar, Assistant Professors , coordinated this event.

GPS Map Camera
2nd Cross Rd
3rd Rd
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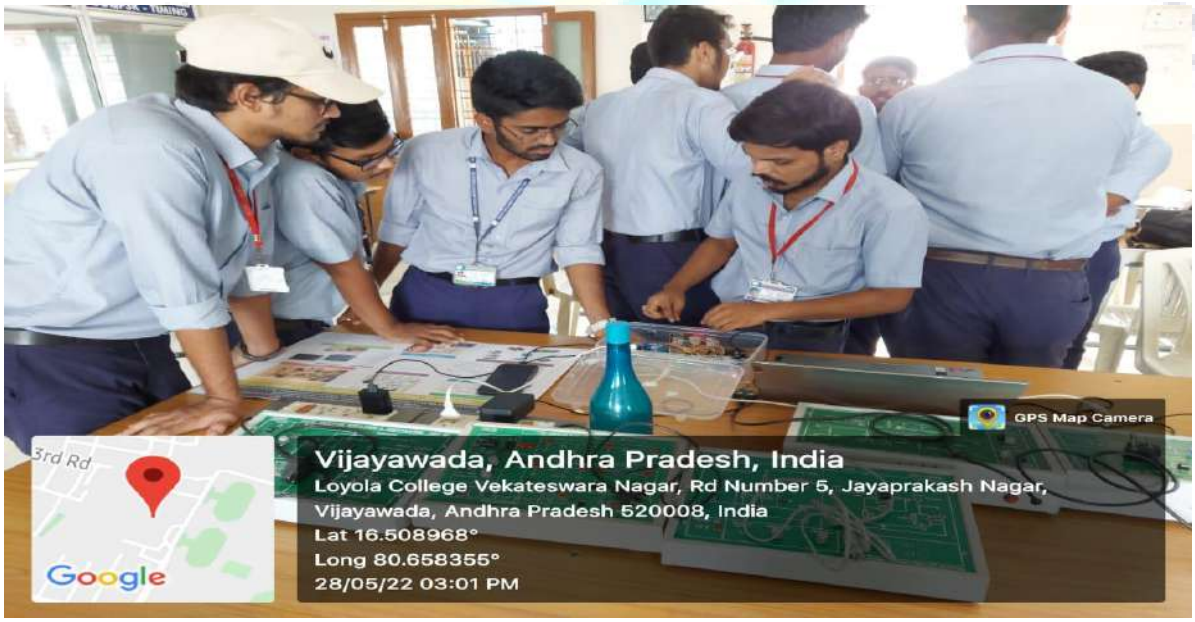
Google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Vijayawada, Andhra Pradesh, India
Loyola College Vekateswara Nagar, Rd Number 5, Jayaprakash Nagar,
Vijayawada, Andhra Pradesh 520008, India
Lat 16.508968°
Long 80.658355°
28/05/22 03:01 PM
3rd Rd
Google

BENCH-5
BENCH-6

Andhra Loyola Institute of Engineering and Technology
Vijayawada-8
Department of Electronics & Communication Engineering

Departmental Annual Report (EVENTS CONDUCTED)

A.Y.: 2021-22

WORKSHOPS / CONFERENCES:

S.No	Date	Title of the Workshop	Resource Person(s)	Institute/ College
1	**07-10-21 to 08-10-21**	Two Day Workshop on "**IOT Technology for Smart Applications"**	**Dr. Kiran Kumar Gurrala** HOD, Department of ECE, National Institute of Technology Andhra Pradesh. Dr.T.Lakshmi Narayana, Mr. K Srinivas Rao, Mrs. B. Santhi Kiran, Mr. Y Pavan Kumar, Ms. S Spandana,	ALIET
2	29-10-21 to 30-10-21	Two Day Workshop on **"PCB DESIGN"**	**Mr. V. GOVIND RAO,** Senior Design Engineer, MicroLink Technologies, Vijayawada	ALIET
3	10-11-21 to 17-11-21	Six Day Certificate Course on **"Industrial Automation with PLC"**	Mr.B.Naga Raju of APSSDC	ALIET
4	07-03-22 to 12-03-22	One week Workshop on "**Embedded Systems Program"**	M. Prapul Kumar Mr. B.Naga Raju APSSDC .	ALIET
5	09-05-22 to 11-05-22	Three Day Workshop on **"EMBEDDED SYSTEMS AND IOT "**	Dr.T.Lakshmi Narayana, Mr.S.Mallikharjuna Rao, Mr. Y Pavan Kumar, Mrs. B. Santhi Kiran, Mr. K Srinivas Rao, Mr.M.Rama Krishna, Mr.G.Vijay Kumar and Ms. S Spandana,	ALIET
6	09-05-22 to 11-05-22	Three Day Workshop on **"MATLAB BASICS"**	Mr.M.Rama Krishna, HOD ECE, Dr.K.Prasanthi Jasmine, Mr.Md.Baig Mohammad and Mr.G.Roopa Krishna	ALIET
7	16-05-22 to 18-05-22	Three Day Workshop on **"EMBEDDED SYSTEMS AND IOT "**	Dr.T.Lakshmi Narayana, Mr.S.Mallikharjuna Rao, Mr. Y Pavan Kumar, Mrs. B. Santhi Kiran, Mr. K Srinivas Rao, Mr.M.Rama Krishna, Mr.G.Vijay Kumar and Ms. S Spandana,	ALIET

8	19-05-22 to 21-05-22	Three Day Workshop on **"MATLAB BASICS"**	Mr.M.Rama Krishna, HOD ECE, Dr.K.Prasanthi Jasmine, Mr.Md.Baig Mohammad and Mr.G.Roopa Krishna	ALIET

SEMINARS/ GUEST LECTURES :

S.No	Date	Title of the Seminar/ Guest Lecture	Resource Person	Institute/ College
1	**25-06-21**	**Entrepreneurship Awareness**	Mr.Thotapalli Gowtham,Founder, NENTR Pvt. Limited, Vijayawada Mr.M.Rama Krishna,HOD ECE Mr.N.Janardhan Rao, Coordinator ,ED Cell ,ALIET	ALIET (Online)
2	**18-09-21**	**Industry Interact with Students**	Mr.Kamesh,Software Engineer, **Netcracker Tech India Pvt. Limited** , Banglore	ALIET
3	**07-10-21**	**Guidance and Control of Missile Systems**	Mr.G.Murali Mohan, Scientist 'F' , DRDL,Hyderabad	ALIET
4	**10-11-21**	**Effective Utilization of Mobile Phone Now a Days**	Mr.M.Rama Krishna,HOD ECE ALIET	ALIET
5	**08/4/22**	"**Entrepreneurship Development in India**"	Dr.C.V.Purushotham, Assistant Professor, ABBS School of Management, Bangalore, Karnataka	ALIET

EXTENSION ACTIVITIES:

S.No	Date	NAME OF THE ACTIVITY	Institute/ College attended	No. of Students attended
1	**22-06-21**	**Project Exhibition**	ALIET (Online)	300
2	**01-10-21**	**MAHATMA GANDHI JAYANTI**	M.R.R.M.C.S.G High School, Krishna Lanka, Vijayawada	100
3	**02-10-21**	**ANUBANDH-2021**	ALIET	50
4	**14-11-21 to 20-11-21**	**CHILD LINE Se Dosti Week Long Campaign**	Railway Station, Vijayawada	60
5	**28-05-22**	**Project Expo 2022**	ALIET	120

INDUSTRIAL VISITS:

S.No	Date	INDUSTRY VISITED	Faculty Accompanied	No. of Students attended
1	**23-04-22**	**Efftronics,** **Mangalagiri ,Guntur District**	Mr. Y. Pavan Kumar , Mr.S.Mallikharjuna Rao , Mr.G.Vijay Kumar, Mr.M.Rama Krishna and Mrs. D.Hepzibha Rani	40 (III ECE – 1)

FACULTY DEVELOPMENT PROGRAMS (FDP)

S.No	Date	TOPIC	Speakers	LOCATION
1	**04-10-21 to 13-10-21**	**AWS & MACHINE LEARNING**	Mr.Y.Sai Sourabh, Intel, California, USA	ALIET (Online)

Patents:

Your E-filing Number	Applicant Names	Title of Invention	Date of Filing	Publication Date (U/S 11a)	Link
202041038378	Dr.Haritha Thotakura Dr.K.Srihari Rao Mr.Mullapudi Rama Krishna Sunitha Ravi Lanka Padmalatha	A Smart Multi- Mode Floor Cleaning Device	05/09/2020	11/09/2020	http://ipindiaservices.gov.in/PatentSearch/PatentSearch//ViewApplicationStatus.

Books Published:

Sno	Title	Author	Publisher	Copy Right Year	ISBN
1	Design and Analysis of Micro Strip Patch Antennas	Dr. Prasanthi Jasmine	Lambert Academic Publishing	2020	978-620-2-92030-8
2	New Feature Descriptorsfor Content based Image Retrieval	Dr. Prasanthi Jasmine	Lambert Academic Publishing	2020	978-620-2-91941-8

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Education is the Key to unlock the Golden door of Freedom --George Washington Carver

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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EcE 1, 2018 TO 2022

ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
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EXCELLENCE
SERVICE
ECE 2, 2018 TO 2022

Vision: The Department of ECE endeavors to produce ingenious, preeminent and socially responsible engineers

Mission:

M1: Commitment to well structured and quality oriented programs .

M2: To instil he students with advanced technologies to meet the current trends.

M3: To provide ethical value based education with social commitment.

Program Educational Objectives (PEOs):

PEO-I: To Transform the knowledge of basic sciences and mathematics into Electronics and Communication applications by the use of modern tools .

PEO-II: To analyze,design,simulate and synthesize the electronic systems useful for engineering fields .

PEO-III: To posses effective communication,managerial and leadership qualities in a career embedded with social commitment and ethical values .

Program Specific Outcomes (PSOs):

PSO1: Develop Systems and Algorithms in the Fields of VLSI, Communication,Signal Processing and Embedded Systems for Contemporary needs .

PSO2: Demonstrate competence in the areas of Communication Systems through effective Higher Education and Successful careers.

Program Outcomes (POs)

1. **Engineering Knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and Engineering sciences.

3. **Design/Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability:** Understand the impact of the

professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Stake holders of the department

The department involves stakeholders (Internal and External) in the process of teaching and learning with an aim to achieve excellence. The stake holders of the department are as shown in following

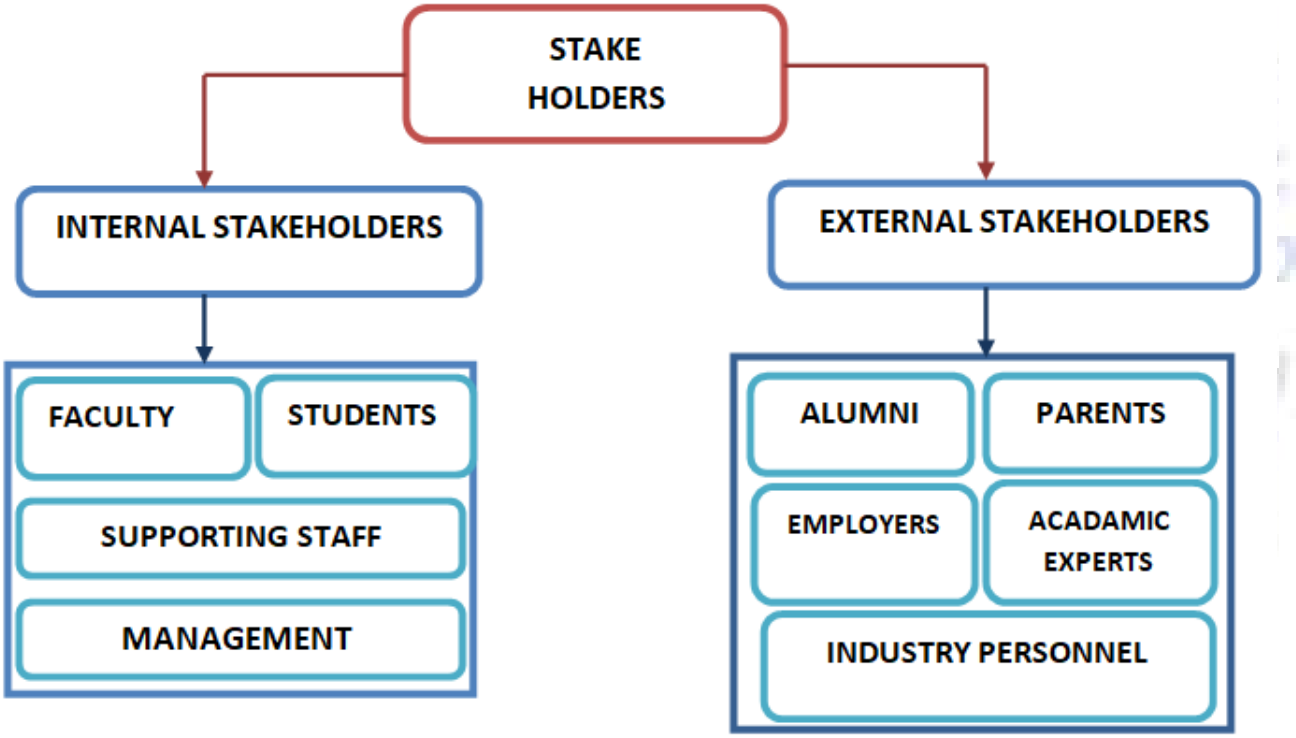

Figure: Stake holders of the department

Regards

Associate Editor(s)
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