



Little Flower Degree College

(Affiliated to Osmania University)

Uppal, Hyderabad

Managed by Brothers of St. Gabriel Educational Society

LEAD TO ILLUMINATE



ELECTRONICS



Little Flower Degree College

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INDEX 2019-20

S.NO	MONTH	EVENT
1	JULY	ORGANISED GUEST LECTURE TOPIC: Career Opportunities in Electronics VENUE: Seminar Hall - I21 DATE:18.07.2019
		ATTENDED NATIONAL WORKSHOP TOPIC: Robotics VENUE: St. Pious X Degree & PG College DATE: 24.07.2019
2	AUGUST	ORGANISED CERTIFICATE COURSE TOPIC: EMBEDDED SYSTEMS VENUE: COMPUTER LAB DURATION: 30HRS START DATE:19.08.2019 END DATE:24.01.2020
3	DECEMBER	ATTENDED NATIONAL WORKSHOP TOPIC: Drones VENUE: St. Ann's Women's College DATE: 09.12.2019
		ATTENDED FDP TOPIC: Research Methodology VENUE: LFDC DATE:13.12.2019
		PRAYURG- INTER-COLLEGIATE COMPETITION TOPIC: Poster presentation: Smart Electronics for Physically Handicapped VENUE: D02, LFDC DATE: 30.12.2019
4	JANUARY	INTRA COLLEGIATE COMPETITION - JUST A MINUTE TOPIC: Related to Electronics VENUE: D22, LFDC DATE:06.01.2020
		ATTENDED FDP TOPIC: Colour Therapy VENUE: Montfort Hall, LFDC DATE:17.01.2020
		ATTENDED NATIONAL WORKSHOP (MATHS) TOPIC: History, Development & Applications VENUE: Montfort Hall, LFDC DATE:25.01.2020



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		ORGANISED WORKSHOP TOPIC: Design of Solar PV cell using Solar PRO s/w VENUE: Computer Lab DATE: 28.01.2020
5	FEBRUARY	ORGANISED FIELD TRIP VENUE: NSIC (National Small Industries Corporation) DATE:13.02.2020
		STUDENTS PRESENTED POSTER TOPIC: POSTER ON WOMEN SCIENTIST VENUE: Bhavan's Vivekananda College DATE:28.02.2020
6	MAY	ORGANISED CERTIFICATE COURSE TOPIC: MICROBIT VENUE: ZOOM PLATFORM DATE:20.05.2020 TO 27.05.2020
		ORGANISED NATIONAL LEVEL PPT COMPETITION TOPIC: TECHNOLOGY IN IDENTIFYING & DETECTING COVID-19 VENUE: ZOOM PLATFORM DATE: 23.05.2020
		ORGANISED NATIONAL LEVEL WEBINAR TOPIC: ROLE OF ELECTRONICS IN MISSILES VENUE: ZOOM PLATFORM DATE:28.05.2020



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GUEST LECTURE

TOPIC : CAREER OPPORTUNITIES

DATE : 18.07.2019

VENUE : SEMINAR HALL, I21

SPEAKER : J.SHIVA KUMAR

TIME : 10:30 AM – 11:30 AM

A Guest Lecture was organised for the III B.SC (MECS) students by the Department of Electronics on 18th July, 2019. The lecture was delivered by Mr. J. Shiva Kumar, Professor (Retd.), Department of Physics, Osmania University. The objective of the event is to create awareness in students about the various career opportunities available in Electronics as well as in general after under graduation. Students learnt about the various fields in which opportunities are available.



Mr. J. Shiv Kumar addressing the final year Electronics and Physics students.



Ms. Jayanthi Reddy, vice principal presenting a memento to Dr J Shiva Kumar.



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NATIONAL WORKSHOP

TOPIC : INTRODUCTION TO ROBOTICS
VENUE : ST. PIOUS X DEGREE & PG COLLEGE
DATE : 23.07.2019 & 24.07.2019
TIME : 09:00 AM – 04:00 PM

St. Pious X Degree & PG College has organised a National Workshop on 'Introduction to Robotics' on 23rd and 24th July, 2019. This workshop was organised in collaboration with e-yantra, IIT Mumbai. Mr. Vivek Sabarwal and Prasad, Sr. Technical Assistants of the E-yantra team conducted the sessions. The objective of this workshop is to program the Firebird ATMEGA 2560 and develop applications using it. Participants were able to develop simple applications like text display on LCD, programming movement of motor, line follower robot.



**Ms. NAGA LAKSHMI DISPLAYING TEXT ON LCD
AND
MR. PRASAD FROM E-YANTRA TEAM GIVING INSTRUCTIONS TO THE PARTICIPANTS**



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CERTIFICATE COURSE

NAME OF THE COURSE: EMBEDDED SYSTEM

DURATION: 30 HOURS

TIME: 01:30 PM – 04:30 PM

No. of Participants: 56

Department of Electronics in collaboration with Sanshah innovations private limited has organised a certificate course for 30 hours starting from August 19, 2019. The course was scheduled for 10 days, each day for 3 hours till October 2020. The schedule ended in January 2020. The objective of the program is to introduce students to the basics of embedded systems. By the end of the course students were able to use various kinds of sensors and develop simple applications using them. Also, they were introduced to Blynk app. Students were given a task at the end of each class and were asked to fulfil the task. Multiple choice questions were given and their knowledge on theory was tested. Certificates were distributed to the students after completion of the exam.



Mr. Sanjay clearing the doubts of students during the session



Students discussing the task at hand.



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NATIONAL WORKSHOP

TOPIC : DRONES
VENUE : ST. ANN'S COLLEGE FOR WOMEN, Mehdiapatnam
DATE : 09.12.2019
TIME : 09:30AM – 03:30PM

St. Ann's College for Women has organised a National Workshop on 'Working of Drones & it's Application's on 9th December, 2019. This workshop was organised in collaboration with Advanced Data Processing Research Institute (ADRIN), Department of Space, and Government of India (GOI). It was a very informative session and at the end an online quiz competition was conducted on the discussed topics. This workshop equipped learners about various types of drones and their applications



Ms. Naga Lakshmi and Ms. Sreelekha at the Workshop.



Ms. Naga Lakshmi receiving her participation certificate.



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REPORT ON RESEARCH SKILL DEVELOPMENT

TOPIC: RESEARCH SKILL DEVELOPMENT

DATE: 13/12/2019

SPEAKERS: 1. PROF. N. CH. BHATRA CHARYULU

2. MRS. GOWRI DESHPANDE

3. MR. G.N. SATISH KUMAR

VENUE: 2ND FLOOR SEMINAR HALL, LITTLE FLOWER DEGREE COLLEGE, UPPAL

Ms Naga Lakshmi, Head, Electronics Department, attended a one-day FDP organised by the Department of Statistics on "Research Skill Development". Prof. N. CH. Bhatra Charyulu, Associate Professor, Osmania University, Hyderabad, was the Chief Guest. The programme commenced with the lighting of the lamp by the Chief Guest, our Principal Rev. Bro. Vincent Reddy, Vice Principal Jayanti Reddy and Mrs. Dhvani, HOD, Department of Statistics, Mrs. Manjusha, Faculty, Department of Statistics and other faculty members. The Objective of the FDP was to enhance the knowledge of the participants on understanding the importance of research, basics of research writing and tools helpful in research writing. The participants learnt about the approaches in research writing and also had hands-on experience in SPSS.



Mr. G. N. Satish Kumar explaining programming in SPSS.



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Group photo with participants of the FDP.



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PRAYURG- INTER-COLLEGIATE COMPETITION

TOPIC: Poster presentation: Smart Electronics for Physically Handicapped

VENUE: D02, LFDC

DATE: 30.12.2019

The Department of Electronics conducted the Inter- Collegiate competition “**POSTER PRESENTATION**” on 30th Dec, 2019 on the occasion of **EDGE 19**. The topic for the poster is “Smart Electronics for Physically Disabled”.

Rules and Regulations of poster presentation are

- Single participation
- Posters can be done using chart paper.
 - G. Chandu from BSC(MECS)- II, LFDC, Uppal bagged I Prize
 - P. Sanjana from BSC(MECS) – III, LFDC, Uppal bagged II Prize
 - S. Thirumalaiah from BSC(MECS) –III, LFDC, Uppal bagged III Prize

All the students actively participated in this event.



S. Thirumalaiah of IIIB.SC MECS explained about his poster to the judges and answered the questions.



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G. Chandu from II BSC MECS explaining about his poster



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INTRA COLLEGIATE COMPETITIONS

EVENT : JAM - ANY TOPIC ON ELECTRONICS

VENUE : D22 CLASSROOM

DATE : 06.01.2020

TIME : 11AM-12PM

The Department of Electronics conducted the Intra Collegiate competition “**JAM**” on 6th Jan, 2020. The objective of the event is to make the students understand a particular topic thoroughly and present the gist in given time. students actively participated in the competition.

Rules and Regulations of JAM are

- Participant can choose any topic from Electronics
- One participant
- Time Limit: 1 Min

R. Sumana Sree of BSC (MECS) – II bagged the I Prize

P. Sanjana from BSC(MECS) – III bagged II Prize and

Y. Joseph from BSC(MPC)-III bagged III Prize.

Students actively participated in this event.



Sumana Sree of II B.SC MECS explaining about Wave Translator



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Students of II BSC MECS actively listening to the Seminar



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WORKSHOP ON COLOUR, MANTRA & FORM THERAPIES

DATE: 17/01/2020

DEPARTMENT: ZOOLOGY

VENUE: LITTLE FLOWER DEGREE COLLEGE, UPPAL

PARTICIPANT: MS. T. NAGA LAKSHMI

Ms. T. Naga Lakshmi, Lecturer, Department of Electronics attended one day workshop in colour, mantra and form therapies by Department of Zoology at Little Flower Degree College, Uppal. The workshop was organised by Arham Purushakar Meditation, Hyderabad. The objective of this program is to understand the power of colour to support mental, emotional and physical well-being in our daily lives. participants understood the effect of the role of various colours to energise the body.



Ms. Jharna, Lecturer, Department of Zoology introducing the guest.



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Participant viewing a ppt on the effect of colours.



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SEMINAR REPORT

Name of the: National Seminar

Topic: Mathematics-History, Discovery and its Applications

Venue: Montfort Hall, LFDC.

Date: 25th January 2020.

A One-Day National Seminar

on “Mathematics- History, Discovery & its Application’s” was held on 25th January 2020 organised by the Department of Mathematics, Little Flower Degree College. Ms. Naga Lakshmi, Head, Department of Electronics attended the event. The seminar was organised to create an exposure towards the great Mathematician Srinivasa Ramanujan biography which includes equations, Puzzles, Roger Equation, calculation of pie and determining the prime numbers by various methods. The seminar includes the beauty of Numbers, glimpses of Ramanujan and their role in Mathematics. In addition, this seminar gives a short brief on various applications of Mathematics which we come across in day-to-day life. Nearly, 130 students as well as faculty participated from various colleges in the seminar with great deal of interest to understand the development of mathematics in various dimensions. Participant’s understood evolution of mathematics and its applications across various fields.



Mr. Prashanth, Department of Mathematics delivering the welcome address.



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Ms. Sreelekha, Dept of Physics introducing the resource person Dr Sivaraman.



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WORKSHOP ON PV SOLAR CELL

TOPIC : DESIGN OF SOLAR PV CELL
DATE : 29.01.2020
VENUE : COMPUTER LAB
TIME : 09:30 AM – 04.00PM

A one-day workshop was organised for I B.SC (Electronics) students by the Department of Electronics on 29th January, 2020, in coordination with NSIC Technical Training Centre, Hyderabad.

The workshop was conducted on 'Design of Solar PV cells using solar pro software'. Mr. Mutthu Kumaran from NSIC started off by explaining to the students about the basics of software used for designing solar cells. The objective of the workshop is to equip students with the basic skill of designing solar PV cells using solar pro s/w. Students understood the design considerations and were able to design solar cells based on given parameters.



MR. MUTTHU KUMARAN FROM NSIC EXPLAINING ABOUT PRODUCTS SOLD ON MSME DIGITAL PLATFORM.



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Type	Degree	DMS
Latitude	17.4047651	17°24'17" N
Longitude	78.557369	78°33'27" E

29 Jan 2020, 14:04 PM

Group photo of the participants along with Mr. Muthu Kumaran from NSIC and MS. T. Naga Lakshmi, Head, Department of Electronics.



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FIELD TRIP REPORT

**VENUE : NATIONAL SMALL INDUSTRIES CORPORATION (NSIC),
HYDERABAD**

DATE : 13.02.2020

TIME : 09:30 AM – 02.00 PM

A field trip was organised by the Department of Electronics for II B.SC (MECS) students on 13th February, 2020 to National Small Industries Corporation, Hyderabad. The objective of the field trip is to understand the various training facilities available at NSIC to enhance the technical and professional skills. Students understood the wide array of courses available for their technical development and to procure jobs.



Mr. Muthu Kumaran explaining about the Solar Power system adopted to utilise power for the centre.



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Students along with Ms. T. Naga Lakshmi, Head, Dept. Of Electronics & Mr. Muthu Kumaran ATI NSIC business park entrance.



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POSTER PRESENTATION

DATE: 28.02.2020

TIME: 10 AM – 4PM

VENUE: BHAVAN'S VIVEKANANDA COLLEGE

Bhavan's Vivekananda College has organised an Intra collegiate competition 'poster presentation' on the occasion of National Science Day. The theme of the competition was 'Women in Science'. Three students Ms. Nymisha, Ms. Ayushman, Ms. Sumana Sree from III B.SC (MECS) have participated in the event and presented posters on the women scientists 'Dr Indira Hinduja'. To celebrate the contributions of women in science. Students presented about Dr Indira Ahuja for her contributions in IVF technology.



Ms. Nymisha explaining about Dr Indira Ahuja's Contributions.



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Participants along with Dr Aparna, judge of the competition



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CERTIFICATE COURSE ON MICROBIT

TOPIC: BEGINNER LEVEL COURSE ON MICROBIT

VENUE: ZOOM PLATFORM

DATE: 20.05.2020 TO 27.05.2020

TIME: 11AM-2PM

No. of participants: 50

The Department of Electronics has organised a one-week beginner level course on Micro Bit from 20.05.2020 to 27.05.2020. The program is conducted every day for two hours. Mr. Ram Kumar was the trainer of this course. The objective is to enhance the ability of the students to code. Students were able to do tasks using blocks & java script.



Mr. Ramanjaneyulu introducing the Micro bit virtual chip to the students.

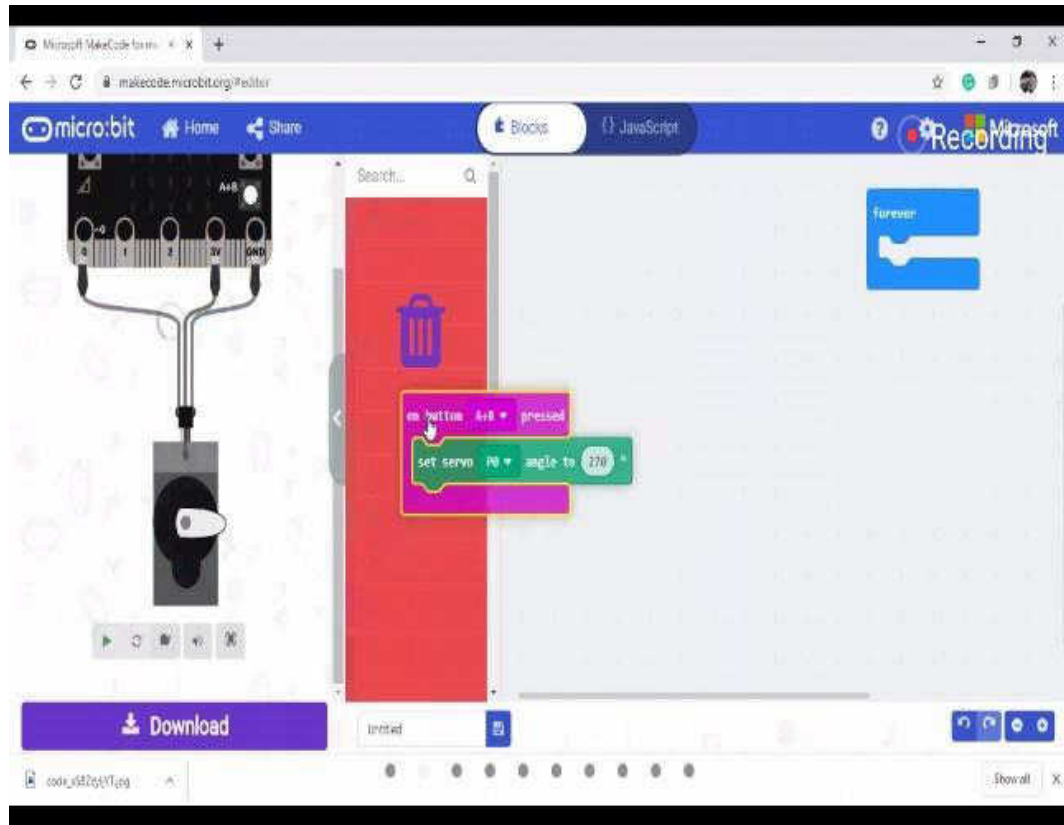


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Mr. Ramanjaneyulu explaining students the usage of blocks based on the algorithm.



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NATIONAL LEVEL PPT COMPETITION

TOPIC : Technology in Identifying and treating COVID-19
DATE : 23.05.2020
VENUE : ONLINE

A National Level PPT competition was conducted by the Department of Electronics on the topic 'Technology in identifying and treating COVID-19'. The competition was conducted online. Students are required to submit a PPT along with audio. The last date for submission was 23.05.2020. The objective of the competition is to help students understand the various technologies helpful in identifying COVID and treating it. Student's actively investigated and identified how technology is helpful in identifying and treating covid through their presentations.

NATIONAL LEVEL PPT COMPETITION

LITTLE FLOWER DEGREE COLLEGE
UPPAL, HYDERABAD

TECHOVID 2020

Topic: Technology in identifying and treating COVID-19

DEPARTMENT OF ELECTRONICS

Rules and Regulations

- 1) PPT should have atleast five slides.
- 2) The explanation for the PPT must be recorded in one's own voice.
- 3) Length of the explanation must be limited to 10 minutes.
- 4) Age limit: 14-20 years

Send in your entries by
23-05-2020

CONTACT
lfdcelectronics@gmail.com

Brochure of the competition



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TECHNOLOGY IN IDENTIFYING AND TREATING COVID - 19

BY

SANDEEP JEROME ALFRED

1ST B.SC MECS

LITTLE FLOWER DEGREE COLLEGE

PPT of Mr. Sandeep, participant of the competition.



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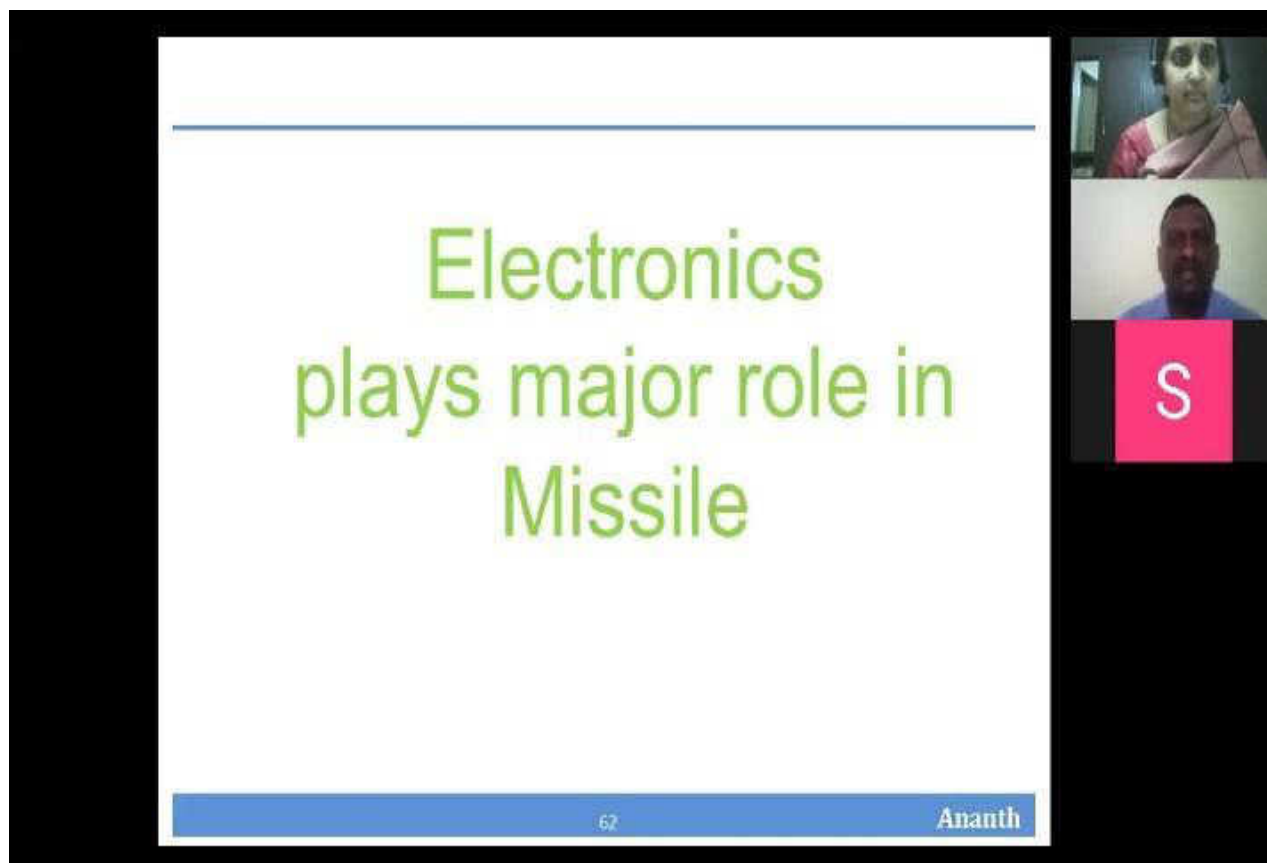
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GUEST LECTURE

TOPIC : ROLE OF MISSILES IN ELECTRONICS
DATE : 28.05.2020
VENUE : ZOOM ONLINE PLATFORM
SPEAKER : MR.V.SATISH DHAVAN
TIME : 2:00 PM – 4:30 PM

A Guest Lecture was organised for the faculty & students by the Department of Electronics on 28th May, 2020 on Role of Missiles in Electronics. The lecture was delivered by Mr. V. Satish Dhavan, General Manager, Ananth Technologies pvt. Limited, Hyderabad. The objective of this webinar was to enhance the participants knowledge on Missiles. Participants understood the use of electronics in various subsystems used in design of a missile.



Mr. Satish Dhavan introducing the topic.

