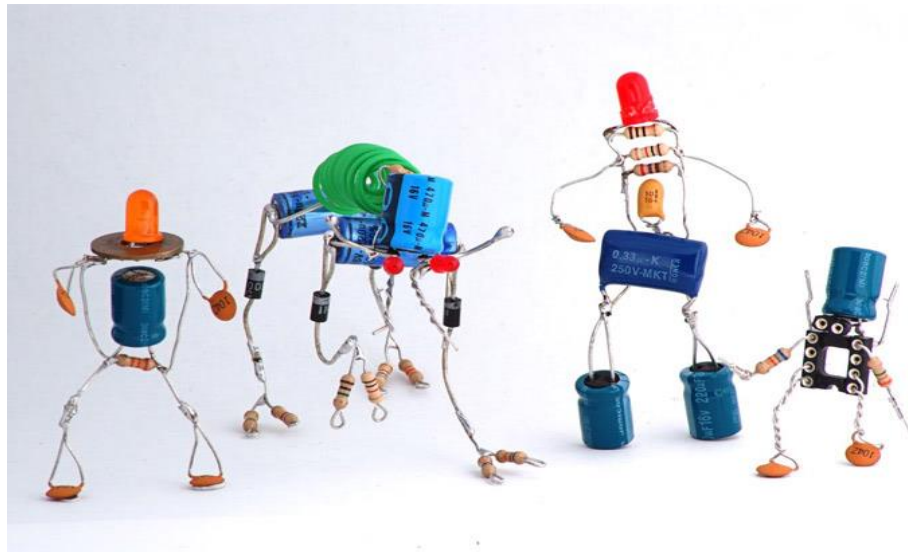


ELECTRONICS AND COMMUNICATION ENGINEERING

MAY 2020



EASWARI ENGINEERING COLLEGE
Department Of Electronics and Communication
Engineering,
Bharathi Salai, Ramapuram,
Chennai – 600 089.
Tamil Nadu , India .
Tel : 91 – 44 – 2249 0853, 2249 5420
E-mail : hod.ece@eec.srmrmp.edu.in

College education is not the learning of facts, but the
training of the mind to think - Albert Einstein



“
Education is
the most **POWERFUL**
WEAPON
which **you** can use
to **change**
the **WORLD**.
”
-Nelson Mandela

“As engineers, we were
going to be in a position to
change the world – not just
study it.”

“Scientists study the world
as it is; engineers create the
world that has never been.”

Edited by,
S.SURUTHI, AP/ECE

Vision

To prepare engineers, proficient to meet the needs of current technological advancements in the field of Electronics and Communication Engineering by establishing a learning environment consistent with industry standards in academics and research.

Mission

M1: To create a passion amongst students for contributing to research by providing industry oriented learning.

M2: To impart in depth knowledge in principles and applications related to design and development of various systems for societal needs.

M3: To build the skill sets, attitude and core competence of students and faculty by providing them with the opportunity to organize various technical events which will bring out their inherent talents

M4: To produce graduates with technical expertise, professional attitude and ethical values

M5: To instill creative thinking through innovative and team based methods which develops the entrepreneur skills, employability and research capability among professionals

M6: To inculcate in the graduates, the thirst for life-long learning and guide them to obtain thorough knowledge in their chosen interdisciplinary field

Program Educational Objectives

PEO1: Graduates will possess competency in mathematics, science and engineering fundamentals for solving Electronics and Communication engineering problems.

PEO2: Graduates will have core engineering knowledge necessary for employment in industries as well as higher studies and research.

PEO3: Graduates will attain organizing capability, entrepreneur skills and will be a team player in workplace with ethics.

PEO4: Graduates will perform effectively in multicultural and multidisciplinary environment and makes them ready for the corporate careers ahead.

PEO5: Graduates will have the ability to engage themselves in lifelong learning to achieve professional excellence that will make impact in the societal and human context.

Ann Makosinski is a 16-year-old student who competed against thousands of other young inventors from around the world to win first prize and a \$25,000 scholarship at Google's International Science Fair. She invented a battery-free flashlight. A free energy device that is powered by the heat in your hand....

Webinar programs organized

NETWORKS SECURITY AND CHALLENGES

BY

DATE : 11-05-2020
TIME : 11.30 AM
TO
12.30 PM

REGISTRATION LINK
<https://tinyurl.com/eececewebinar>



CONVENER
DR. M. DEVARAJU
(PROFESSOR AND HEAD)

MR. PRABHU SHANKAR
SR. TEAM LEADER
 **DXC.technology**

COORDINATORS
MR.R.PRAVEEN KUMAR
(ASSISTANT PROFESSOR)
MR.M.KAMARAJAN
(ASSISTANT PROFESSOR).

UNIVERSAL OBJECT INTERACTION

BY

DATE: 13/05/2020
TIME: 4.30 pm

REGISTRATION FREE:
<https://tinyurl.com/eececewebinar1ATeaswari>



Convener:
Dr.M.DEVARAJU (Professor and Head)

Coordinators:
Dr.D.JESSINTHA (Associate Professor)
Ms.T.GOPHIKA (Assistant Professor)



Mr.YADNESH MOHAN ZAGADE
Senior Research & Development Engineer
C.E.O & Founder- Tech Cryptors

"RECENT TRENDS & CHALLENGES IN OPTICAL WIRELESS COMMUNICATION"

By
Dr.K.PRABU
Assistant Professor/ECE
National Institute of Technology, Surathkal
DATE : 14.05.2020 | TIME: 02:00 PM - 03:00 PM

Dr.S.Sudha
Professor/ECE

R.Hema
Assistant Professor/ECE

K.Suriya
Assistant Professor/ECE

Philo Taylor Fransworth is the man who invented the electronic television, at only age 21. He did this by smoking a glass slide with carbon and scratched a single line on it, and placed it on a carbon arc projector and shone onto the photocathode of the first camera tube.

DEEP LEARNING AND FUTURE OPPORTUNITIES

BY

Mr. P SHABARINATH
Founder, Resprolabs

4.00pm to 5.00pm

May 15

CONVENER
DR. M. DEVARAJU
(PROFESSOR AND HEAD)

CO-ORDINATORS
MRS. A T MADHAVI
MR. J GURUMURTHY

Webinar on "Artificial Intelligence - Foundation"

Date: 16.05.2020
Time : 11.00 am to 12.00 pm

Registration Link
<https://tinyurl.com/eececeai>

E-Certificate will be provided

Convener
Dr.M.Devaraju
(Professor/Head)

By
Mr.Senthil Raja Palanisamy
Senior IT Consultant
Lenovo Global Technology India Pvt Ltd

Coordinators
Mr.M.Kamarajan
(Asst. Professor)
Mr.R.Praveen Kumar
(Asst. Professor)

"AUTOMATED GUIDED VEHICLE"

DATE: 16.05.2020
TIME: 2PM - 3PM

By
Mr. Kameswaran Manohar
Senior Research Engineer
IIT Chennai

CONVENER:
Dr. M. Devaraju
Professor/HoD

CO-ORDINATORS:
Mrs. Bindu Babu
Assistant Professor/ECE

Mrs. S. Caroline Jebakumari
Assistant Professor/ECE

Every electronics engineer had encountered Gustav Robert Kirchhoff, famous for the Kirchhoff's Law. He was a German physicist that helped increase the understanding of electrical circuits, with laws of thermochemistry and thermal emission named after him apart from circuit theory. Kirchhoff was also responsible for using mathematics to understand the science of physics.

CURRENT TRENDS IN
Digital Functional Verification

 **18 May 2020**  10:30 am - 11:30 am

Mr. VINOTH KUMAR SUBRAMANI
Industrial Expert in Digital Verification

CONVENER: **Dr. M. Devaraju**
Professor and Head/ECE

CO-ORDINATORS: **Mrs. S. Uma Maheswari**
Assistant Professor/ECE | **Mrs. P. Bini Palas**
Assistant Professor/ECE

"System on Chip (SoC) Design Approach"

BY



CONVENER

DR. M. DEVARAJU
PROFESSOR AND HEAD

CO-ORDINATORS

Mr. B. ARIVUSELVAM
(ASSISTANT PROFESSOR)

Mr. R. PRAVEEN KUMAR
(ASSISTANT PROFESSOR)

MAY 20, 2020
10.00 AM TO 11.00 AM

Dr. M. Senthil Sivakumar

Assistant Professor
Department of Electronics and Communication Engineering
Indian Institute of Information Technology Tiruchirappalli,
NIT Camaus. Tiruchirappalli

For registration

Silicon to Semiconductor
PRODUCT LIFE CYCLE OF SOC AND ROLE OF VALIDATION

 **Mr. Ramesh Ramasamy**
Validation Engineer, Intel Corporation, Malaysia.

 **20 May 2020** |  **3:00 - 4:30 pm**


CONVENER: **Dr. M. Devaraju**
Professor and Head/ECE

CO-ORDINATORS: **Dr. K. Rahimunnisa**
Associate Professor/ECE | **Mrs. P. Bini Palas**
Assistant Professor/ECE

Solely responsible for the device called Wheatstone bridge, Sir Charles Wheatstone was an English physicist who experimented on the measurement of the speed of electricity in a conductor using a revolving mirror. The device he developed can accurately measure electrical resistance now used in most laboratories. He also patented an early telegraph.

Free Webinar on **Artificial Intelligence for Covid-19** AI

Dr. Chellammal Suriayanarayanan
Assistant Professor
Department of Computer Science
Bharathidasan University Constituent College,
Trichy.




THURSDAY 21 MAY 2020
TIME: 11.30AM TO 12.30PM

Reg Link: <https://tinyurl.com/web-AI-ece>

Convener: **Dr. M. Devaraju**
Professor & Head/ ECE

Sponsors: **Dr. Resmi R. Nair, ASP/ECE**
Mrs. S. Suruthi, AP/ECE


E-Certificate will be provided



Organises

Webinar on “Introduction to NLP (Neuro Linguistic Programming)”

Date: 21.05.2020



By
Mr. Jaldeep Bhansali
Chief Executive
AlphaZen – Ahmedabad

Coordinators
Dr. R. Senthamizh Selvi
(Asso. Professor)
Mr. R. Praveen Kumar
(Asst. Professor)

ORGANISED BY

“CURRENT TRENDS AND POST-COVID-19 FUTURE OF MEDICAL ELECTRONICS IN INDIA”



3 P.M - 4 P.M



Dr. Muthukaruppan Gnanadesigan

CONVENER :
DR. M. DEVARAJU
(PROFESSOR AND HEAD)



It was James Clerk Maxwell who first told that electricity and magnetism are actually, at the deepest level, the same force – the electromagnetic force. He produced equations called the Maxwell's Equations that is perhaps his greatest work.

Free Webinar on **Internet of Things for Covid-19**



Dr. Pethuru Raj
Chief Architect and Vice President
Site Reliability Engineering(SRE) Division
Reliance Jio Infocomm.Ltd.(RJIL), Bangalore.



Date: 23-05-2020 & Time: 10am to 11am

Coordinators

Dr. Resmi R. Nair, ASP/ECE
Mrs.S. Suruthi, AP/ECE

BRUSH UP YOUR SEVENTH SENSE...
(QUIZ ON COMPETITIVE ENGLISH)



26 MAY 2020



10:00 am



adjective? ;)

***EXCLUSIVELY FOR SCHOOL STUDENTS OF CLASS X, XI & XII**

CONVENER

Dr. M. Devaraju
Professor and Head/ECE

CO-ORDINATORS

Dr. K. Rahimunnisa
Associate Professor/ECE

Mrs. P. Bini Palas
Assistant Professor/ECE

EMERGING OPPORTUNITIES AND GROWTH OF
ESDM Industry in India



Mr. S. Muthukumaran
Manager - Talent Acquisition
Centum Electronics, Bengaluru

27 May 2020

4:00 - 5:00 pm

Convener

Dr. M. Devaraju
Professor and Head/ECE

Co-ordinators

Dr. S. Sudha
Professor/ECE

Mrs. P. Bini Palas
Assistant Professor/ECE

A German physicist, Heinrich Rudolf Hertz was the first to satisfactorily demonstrate the existence of electromagnetic radiation waves. He did this by building an apparatus to produce and detect them. Later, his discovery was used in the flourish of radio waves as a medium in communication and broadcasting.

FACULTY PARTICIPATION

- *Mrs. P. Bini Palas* have participated in STC on “Technological Interventions Using **Wireless Communication**” - NITTTR Chandigarh , from 18.05.2020 to 22.05.2020
- *Mrs. P. Bini Palas* have participated in STC on ‘Communication and **Presentation Skills**” - NITTTR Chandigarh, from 18.05.2020 to 22.05.2020
- *Mrs. P. Bini Palas* have participated in STC on "Evaluation and Setting of **Question Papers**" - NITTTR Chandigarh, from 25.05.2020 to 29.05.2020
- *Mr. R. Praveen Kumar* have participated in Micro Course on "Open education, copyright and open licensing in a **digital world (LiDA103)**" by OER Foundation , from 18.05.2020 to 31.05.2020
- *Mrs. S. Uma Maheswari* have participated in STC on “Technological Interventions Using **Wireless Communication**” - NITTTR Chandigarh, from 18.05.2020 to 22.05.2020
- *Mrs. S. Uma Maheswari* have participated in STC on ‘Communication and **Presentation Skills**” - NITTTR Chandigarh, from 18.05.2020 to 22.05.2020
- *Mrs. K. Abirami* have participated in STC on “Technological Interventions Using **Wireless Communication**” - NITTTR Chandigarh, from 18.05.2020 to 22.05.2020
- *Mrs. S. Caroline Jebakumari* have participated in STC on “Academic Leadership Enhancement in **Technical Institutions**” - NITTTR Chandigarh, from 04.05.2020 to 08.05.2020
- *Mrs. S. Caroline Jebakumari* have participated in STC on “Technological Interventions Using **Wireless Communication**” - NITTTR Chandigarh , from 18.05.2020 to 22.05.2020
- *Dr. D. Jessintha* have participated in STC on “Technological Interventions Using **Wireless Communication**” - NITTTR Chandigarh , from 18.05.2020 to 22.05.2020
- *Dr.S.Sudha* have participated in FDP on **Digital Transformation** an Introductory Course, from 8.05.2020 to 12.05.2020

With a record of 1,093 patents which , Thomas Alva Edison is perhaps the most celebrated inventor in history. The automatic telegraph repeater, when sent telegraph signals between unmanned stations but was never patented; the electric vote recorder, Edison’s first patent; and the quadruplex telegraph. Later, he developed the carbon telephone, his own system for electricity distribution, and the wireless telegraph.

- *Mrs. Bindu Babu* have participated in FDP on **Digital Transformation** an Introductory Course, from 8.05.2020 to 12.5.2020
- *Dr.D.Jessintha* have participated in FDP on **Digital Transformation** an Introductory Course , from 8.05.2020 to 12.05.2020
- *Dr.D.Jessintha* have participated in STC on “**Research** oriented project work” - NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *Ms. T. Gophika* have participated in FDP on **Digital Transformation** an Introductory Course , from 8.05.2020 to 12.05.2020
- *Ms. T. Gophika* have participated in STC on "**Imaging** & Embedded Processing", NITTTR Chandigarh, from 11.05.2020 to 15.05.2020
- *Ms. T. Gophika* have participated in STC on “Technological Interventions Using **Wireless** Communication” - NITTTR Chandigarh, from 18.05.2020 to 22.05.2020
- *Ms. T. Gophika* have participated in STC on "Recent Trends in **VLSI Design**", NITTTR Chandigarh , from 25.05.2020 to 29.05.2020
- *Dr. K. Rahimunnisa* have participated in ATAL Faculty Development Programme (online) on “**Artificial Intelligence** , from 04.05.2020 to 08.05.2020
- *Dr. K. Rahimunnisa* have participated in FDP on **Digital Transformation** an Introductory Course , from 08.05.2020 to 12.05.2020
- *Dr. K. Rahimunnisa* have participated in STC on "**Imaging** & Embedded Processing", NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *Dr.B.Jesvin Yeancy* have participated in One week National level “Online FDP on Innovation to **Academicians**” , from 11.05.2020 to 16.5.2020
- *Dr.K.Suriyakrishnaan* have participated in STC : **Academic Leadership** Enhancement in Technical Institutions , NITTTR Chandigarh , from 04.05.2020 to 08.05.2020

This underrated genius named Nikola Tesla invented the alternating-current generator, the transformer, and the high voltage coil of the picture tube. He also developed an oscillator that generated half a million volts and a wireless world broadcasting tower. Tesla also worked on rotary engines, microwaves, radars and loudspeakers.

- *Dr.K.Suriyakrishnaan* have participated in Atal Online Faculty Development Program: IOT, NIT, Jamshedpur , from 07.05.2020 to 11.05.2020
- *Dr.K.Suriyakrishnaan* have participated in STC Image and Embedded processing, NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *Dr.K.Suriyakrishnaan* have participated in FDP:IOT Trends to Drive Innovation for Business and Digital Technology , from 11.05.2020 to 15.05.2020
- *Dr.K.Suriyakrishnan* have participated in STC : "Technological interventions using wireless communication", NITTTR Chandigarh , from 18.05.2020 to 22.05.2020
- *Mrs. A. Usha* have participated in FDP on "Managing Online classes and Co-Creating MOOCS" Ramanujan College, University of Delhi , from 20.4. 2020 to 6.5.2020
- *Mrs. R. Hema* have participated in STC Image and Embedded processing, NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *R.Hema* have participated in Online Training on " Industrial IoT using LoRAWAN Technology", Enthu Academic Solutions , from 04.05.2020 to 08.05.2020
- *Dr.B.Jesvin Veancy* have participated in One week FDP on PHP and MySQL , from 18.5.2020 to 23.5.2020
- *Dr. K. Rahimunnisa* have participated in STC on Research Trends in VLSI Design, NITTTR, CHANDIGARH , from 25.05.2020 to 29.05.2020
- *Dr. Resmi R Nair* have participated in STC on 'Communication and Presentation Skills' - NITTTR Chandigarh , from 18.05.2020 to 22.05.2020
- *Dr. Resmi R Nair* have participated in STC Image and Embedded processing, NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *Dr. Resmi R Nair* have participated in FDP on Digital Transformation an Introductory Course , from 8.05.2020 to 12.5.2020

The inventor of the oscillation diode valve or vacuum tube, John Ambrose Fleming is the one who set the benchmark for modern electronics, which why he is regarded as the father of modern electronics. He enabled the first wireless sets with a reasonable performance to be manufactured.

- *Dr. Resmi R Nair* have participated in Faculty Development Programme on “Internet of Things for emerging Applications” organized department of ECE, Kakatiya Institute of Technology and Science in Association with CLOUD CHIP TECHNOLOGIES Pvt. Ltd. , from 10.05.2020 to 14.5.2020
- *Mr. Arivuselvam.B* have participated in FDP on “Digital Transformation-An Introductory Course”- Easwari Engineering College , from 8.05.2020 to 12.05.2020"
- *Mr. Arivuselvam.B* have participated in STC on "Imaging & Embedded Processing",NITTTR Chandigarh , from 11.05.2020 to 15.05.2020
- *Mr. Arivuselvam.B* have participated in Atal Online Faculty Development Program:“Artificial Intelligence",IIIT Nagpur. , from 16.05.2020 to 20.05.2020
- *Mr. Arivuselvam.B* have participated in STC on "Research trends in VLSI Design",NITTTR Chandigarh , from 24.05.2020 to 29.05.2020
- *Dr. R Senthamizh selvi* have participated in FDP on Digital Transformation an Introductory Course , from 8.05.2020 to 12.5.2020
- *Ms. S.Suruthi* have participated in online FDP on " Lean for leaner days- AI- Real world application" , SVCT , from 11.5.2020 to 15.5.2020
- *Ms. S.Suruthi* have participated in Online STC on" Technological interventions using wireless communication" , NITTTR , from 18.5.2020 to 22.5.2020
- *Dr.D.Jessintha* have participated in STC on "Recent Trends in VLSI Design", NITTTR Chandigarh , from 25.05.2020 to 29.05.2020
- *Mrs.K.Abirami* have participated in FDP on “Digital Transformation-An Introductory Course”- Easwari Engineering College , from 8.05.2020 to 12.05.2020"
- *Mrs.K.Abirami* have participated in International FDP on "Research Innovatives and Recent trends in Electrical Engineering" , from 18.5.2020 to 22.5.2020
- *Ms.K.Suriya* have participated in International FDP on "Research Innovatives and Recent trends in Electrical Engineering" , from 18.5.2020 to 22.5.2020

Guglielmo Marconi is an Italian inventor and engineer who developed the first successful long-distance wireless telegraph. He broadcasted the first transatlantic radio signal, which attained him partly the Nobel Prize in Physics.

