



HINDUSTHAN
COLLEGE OF
ENGINEERING AND
TECHNOLOGY,
CBE-32

E-BUZZ

An issue of ECE Department

VOLUME 10, ISSUE 2

JUNE 2021

Message from Chief Editor



The Department is delighted to have successfully completed the even semester of the 2019-2020 academic year. I would personally like to thank the entire department for the work done in every aspect of the semester.

We had a great semester with various seminars being conducted successfully with accomplished guests, workshops with active participation and interest from the student body. I heartily congratulate and thank the faculty members of the department and the hard work done for efficiently conducting the events this semester and for their participation.

Thank you for the involvement.

-Dr. P. Rajeswari
[HoD - ECE]

VISION

*To nurture Electronics and Communication Professionals with exemplary technical skills adorned with ethical values.

MISSION

*To expand frontiers of knowledge through the provision of inspiring learning environment
*To develop the intellectual skills towards employability by fostering innovation, and creativity in learning .
*To provide a quality system for wholesome learning to achieve progress and prosperity in life along with moral values

OBJECTIVES AND OUTCOMES OF ECE

Program Educational Objectives (PEO) :

Preparing the graduates to,

*To prepare the graduates to solve, analyze and develop real time engineering products by providing strong foundation in the fundamentals of Electronics and Communication Engineering

*To prepare the graduates to succeed in multidisciplinary dimensions by providing adequate trainings and exposure to emerging technologies

*To prepare the graduates to become a successful leader and innovator following ethics with the sense of social responsibility for providing engineering solutions

Program Specific Outcomes (PSO):

*Graduates will be able to provide solutions for real time embedded systems using Internet of Things to meet the global needs.

*Graduates will have the perseverance to design and develop products using cutting edge technologies in Signal processing and Communication systems.

2020-21 - EVEN

7th SEM



DEVADHARSHINI J S
9.26



AR RVIGNESHKUM
9.24



PAVITHRA C
9.21

5th SEM



SRUTHI R
9.7



GOWSIK P
9.53



APARNA S NAIR
9.52

3rd SEM



**RIFHATH RIZAN MOHAMMED
RABEEK**
9.57



ARCHANA B
9.52



ANISHA G
9.41

FACULTY PARTICIPATION

Name of the Faculty (with designation)	Name of the Training Programme	Date
Dr.P.Rajeswari	Short Term Training Programme on Predictive Analytics Using Artificial Intelligence	15.03.2021 to 20.03.2021
Dr.R.Sabitha	FDP on Internet of Things	25.01.2021 to 29.01.2021
Dr.P.Vijayalakshmi	FDP on Artificial Intelligence	04.01.2021 to 08.01.2021
Dr.P.Vijayalakshmi	FDP on 3D Printing and Design	18.01.2021 to 22.01.2021
Dr.K.Kalaiselvi	FDP on 3D Printing and Design	18.01.2021 to 22.01.2021
Dr.K.Kalaiselvi	FDP on Cyber Security	08.02.2021 to 12.02.2021
Dr.P.F.KhaleelurRahiman	STTP on Empowering the Moral Values, Ethics and Behavioural Attitude in Teaching Skills among Teachers	19.04.2021 - 24.04.2021
Dr.P.Geetha	FDP on 3D Printing and Design	01.02.2021 to 05.02.2021
Dr.P.Geetha	FDP on Blended Learning and Flipped Classroom	01.03.2021 to 05.03.2021
Dr.P.Geetha	FDP on Augmented Reality and Virtual Reality	22.02.2021 to 26.02.2021
Dr.J.Ramya	FDP on Artificial Intelligence	04.01.2021 to 08.01.2021
Dr.J.Ramya	STTP on Recent Advances and Trends in Machine Learning: Theory and Application	11.01.2021 to 16.01.2021
Dr.A.Udhayakumar	Recent Trends and Research Perspective on energy and power system	31.05.2021 to 05.06.2021
Dr.A.Udhayakumar	Refresher Programme on Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education	25.03.2021 to 31.03.2021
Ms. B. Ambika	FDP on Internet of Things (IoT)	05.01.2021 to 09.01.2021
Mr.D.Baskar	FDP on Emotional Intelligence	18.01.2021 to 22.01.2021
Dr. P.K.Poonguzhli	Workshop on Deep Learning for Image Processing Applications	28.01.2021 to 29.01.2021
Mr.B.Veerassamy	FDP on Electrical & Computer Engineering	22.02.2021 to 26.02.2021
Mr.B.Veerassamy	FDP-Application of Machine Learning and Deep Learning in Electrical Engineering	18-01-2021 to 30-01-2021

Name of the Faculty (with designation)**Name of the Training Programme****Date**

Mr.B.Veerasingam	STTP-Advancements in Signal Processing and Artificial Intelligence in Healthcare	15-02-2021 to 24-02-2021
Mr.B.Veerasingam	Workshop-Enhancement of Academic research using digital resources	24.07.2021 to 30.07.2021
Ms.R.Sathyabama	STTP on Empowering the Moral Values, Ethics and Behavioural Attitude in Teaching Skills among Teachers	19.04.2021 to 24.04.2021
Dr. L. Ramasethu	STTP on Blockchain Technologies and use cases Thread III	28.12.2020 to 02.01.2021
Ms.R.Vanitha	STTP on Data Science Tools and Techniques in engineering	15.02.2021 to 20.02.2021
Ms.N.Menakadevi	STTP on Empowering the Moral Values, Ethics and Behavioural Attitude in Teaching Skills among Teachers	19.04.2021- 24.04.2021
Mr.P.Suresh Kumar	Refresher Programme on Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education	25.03.2021 to 31.03.2021
Dr.J.Satheesh Kumar	FDP on Arduino Programming using Tinker CAD	12.10.2021 to 16.10.2021
Dr.J.Satheesh Kumar	STTP on Blockchain Technologies and use cases Thread III	28.12.2020 to 02.01.2021
Ms.S.B.Saritha	FDP on “ Integration of Pedagogical strategies with ICT for transformation of Engineering Education”.	25.03.2021 to 31.03.2021
Ms.P.Priyanga	STTP on Blockchain Technologies and use cases Thread III	28.12.2020 to 02.01.2021
Ms.T.Nivethitha	STTP on “ Data science Tools and Techniques in Engineering”	08-02-2021 to 13-02-2021
Ms.T.Nivethitha	FDP on “ Integration of Pedagogical strategies with ICT for transformation of Engineering Education”.	25-03-2021 To 31-03-2021
Ms.T.Nivethitha	International Virtual Conference on Energy Conversion and	20.04.2021 to 21.04.2021
Ms.G.Akila	FDP on “ Integration of Pedagogical strategies with ICT for transformation of Engineering Education”.	25.03.2021 to 31.03.2021
Dr.R.Sabitha	FDP on Internet of Things	25.01.2021 to 29.01.2021
Dr.P.Vijayalakshmi	FDP on Artificial Intelligence	04.01.2021 to 08.04.2021
Dr.P.Vijayalakshmi	FDP on 3D Printing and Design	18.01.2021 to 22.01.2021

Name of the Faculty (with designation)

Name of the Training Programme

Date

Dr.A.Udhayakumar

Refresher Programme on Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education

25.03.2021 to 31.03.2021

Dr. P.K.Poonguzhli

Workshop on Deep Learning for Image Processing Applications

28.01.2021 to 29.01.2021

Mr.P.Suresh Kumar

Refresher Programme on Integration of Pedagogical Strategies with ICT for Transformation of Engineering Education

25.03.2021 to 31.03.2021

Ms.T.Nivethitha

International Virtual Conference on Energy Conversion and

20.04.2021 to 21.04.2021

II YEAR

**Inspiration for innovation,
Current trends in software
testing technology**

[13th may 2021 to 12th may 2021]

B.Archana
C.Dany Roy

**Current trends in software testing
technology**

[12th may 2021]

M.Dinesh kumar
Chaluvadi Somanadh
S.Hari Vignesh

Indian Handicraft

[1st feb 2021 to 28th feb 2021]

S.Gowthamen

**Right to vote pledge, Inspiration
for innovation**

[26/03/2021, 13th may 2021]

Gajjala vamsi

III YEAR

Learnathon - Cybersecurity

Essentials [14/8/2021]

V.SAUMYA
SNEKA S
R.SNEHA
SIVAPRAKASH S
SIVAPRIYA.S

**Learnathon - Networking
Visualization Concepts**

SRUTHI R
SNEKA S
R.SNEHA
SIVAPRAKASH S
SIVAPRIYA.S

Image Processing Onramp

V.SAUMYA
SURIYA AK
R.SNEHA
SIVAPRAKASH S
SIVAPRIYA.S

**AUTOMATION 360 RPA
ESSENTIALS**

V.SAUMYA
SURIYA AK
VENKATASAN K
VASANTHAKUMAR S
SRUTHI R

**Home Automation And Smart
Security Using Internet Of Things**

G.Ganesh Varma
I.Ajitha

M.Boopathi Raja
Aparna S Nair

ALAGUSUNDARAM S

**IOT Wireless & cloud computing
Emerging Technologies**

Deepak M
I.Ajitha

M.Boopathi Raja
Aparna S Nair

ALAGUSUNDARAM S

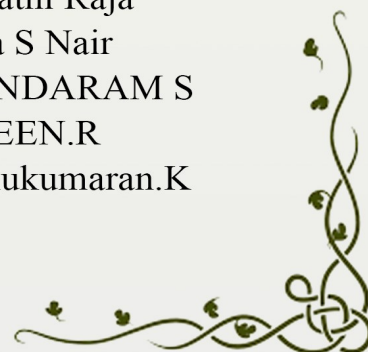
**Oppertunities in japan for
engineers**

Deepak M
I.Ajitha

M.Boopathi Raja
Aparna S Nair

ALAGUSUNDARAM S
AMREEN.R

Arulsrimuthukumaran.K



IV year

positive psychology

Raman S
RANJITH SB
Ravichandiran K
Roobika S
Sanjika kamaraj
M.Saravana kumar
Sathiskumar E
Selvalakshmi B
M.Shankaran
M.Sriram
Sujith E
Sundar K.A
Suriya M
Suriya M
Vadivel C
Varun surya.A
VIGNESHKUMAR R
Vinothini M
Vinothini M
Vishnupriya TK
YaminiPriya P

Wireless communications for everybody

Raman S
RANJITH SB
Ravichandiran K
Roobika S
Sanjika kamaraj

Introduction to the internet of things and embedded systems

Raman S
RANJITH SB
Ravichandiran K
Roobika S
Sanjika kamaraj
M.Saravana kumar
Sathiskumar E
Selvalakshmi B
M.Shankaran
M.Sriram
Sujith E
Sundar K.A
Suriya M
Suriya M
Vadivel C
Varun surya.A
VIGNESHKUMAR R
Vinothini M
Vinothini M
Vishnupriya TK
YaminiPriya P



FACULTY PUBLICATION

<i>Name of the Author & Co-Authors</i>	<i>Name of the Journal/ Conference</i>	<i>Title of the paper</i>	<i>Month & Year</i>
Ramya J, Somasundareswari D	Sadhana-Indian Academy of Sciences	Karhunen Loeve Transform With Adaptive Dictionary Learning For Coherent And Random Noise Attenuation In Seismic Data	November 2020
K. Sivakumar N. S. Nithya O. Revathy	Springer-Journal of Medical Systems	Phenotype Algorithm based Big Data Analytics for Cancer Diagnose	July, 2020
Dr. G. Sudhakaraiah Dr. M. Sambasivudu Dr. J. Muni Narendra Prof. M. Venkateswarlu R.Sabitha	Psychology and Education	Digital Marketing – An Intermediary To Commerce And Digital Technologies	Nov 2020
N. Arun prasath, K. Geetha , M. Valarmathy &B.Veerasingam	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	A Novel Approach on DAQ System Using IoT	June 2020
Mr. Nilesh, Dr. M. Prasad, Dr.R.Sabitha, Dr Raghavender K V, Dr Varun Gupta	European Journal of Molecular & Clinical Medicine	An Efficient Reactive Join Nested Loop Machine Learning Inputs In Autonomous Smart Grid Environment	2020
Poovitha S, Pavithralakshmi PM, Sabitha R	International Research Journal of Engineering and Technology (IRJET)	Optimization and Control of Hydroponics Indoor Farming System with Live Data Monitoring	June, 2020
G Aravindraaj V Dhivagar S V Dinesh C Ganesamoorthy Mrs.T Nivethitha	International Research Journal of Engineering and Technology (IRJET)	A Bio-Sensing System On Chip And Software For Smart Clothes	June 2020
R. Nivethitha, S. Sathesh Kumar Palanisamy, T. K. Mohana Prakash K. Jeevitha	Materials Today: Proceedings	Comparative study of ANN and fuzzy classifier for forecasting electrical activity of heart to diagnose Covid-19	October 2020
Sathesh Kumar J Sharik Akthar.S Thowfeeq Ahamed.M.H	International Journal of Engineering Applied Sciences and Technology	Real Time Smart Traffic Managing and Control System.	June-2020
J.Sathesh Kumar S.V. Krithika	International Journal of Engineering Applied Sciences and Technology	Novel Hierarchical K-Means Clustering Based Lossless Data Compression Scheme	July-2020
Kanimozhi, Nandhana, Princy, Baskar D	International Research Journal of Engineering and Technology (IRJET)	IoT based Centralized Bank Security System with Live Video Transmission	July-2020
S Mohandass, S Sridevi, R Sathyabama	Journal Of Critical Reviews	A Unified Approach To Animal Intrusion Detection For Preventing Human-Wildlife Conflict And Crop Protection	Aug-2020
Poovitha S Pavithralakshmi PM Sabitha R	International Research Journal of Engineering and Technology (IRJET)	Optimization and Control of Hydroponics Indoor Farming System with Live Data Monitoring	June 2020
T Anandselvakarthish, M S Lavanya, A Princy Febronia, S Racigha ,	International Research Journal of Engineering and Technology (IRJET)	Deep Learning Based Channel Estimation for Massive MIMO	June 2020

N.Menakadevi, Joywin t, Pranav M, Mohan .G	International Journal For Science And Advance Research in Technology(IJSART)	Smart Agriculture Using Machine Learning	June 2020. 2020
B. Paulchamy K. Mahendran P. Vijayalakshmi	PROTEUS JOURNAL	Design and implementation of proficient model for Doctors to analyse the critical stage of patient using Augmented reality	August 2020
P Vijayalakshmi	International Virtual Conference on Emerging Frontiers in Control and Communication Technologies	Efficient Routing Protocol for Underwater Wireless Sensor Networks with Moving Sinks	July 2020
R Sathyabama	International e-Conference On Information, Communication And Networking 2020 (IECICN-2020)	Hybrid Apriori-KNN Based Smart Irrigation System	July-2020
Dr.K.Kalaiselvi R Santhiya D Saritha E Vaijayanthi S Vishalini	National Conference on Green Mechatronics Systems GREEMS 2K20	IoT Based Air Definement Observing System	July-2020
Suresh Kumar P	National Conference on Green Mechatronics Systems GREEMS 2K20	Arduino Based Single Axis Sun Tracking Control System	November, 2020
P. F. Khaleelur Rahiman V. S. Jayanthi A. N. Jayanthi	Journal of Circuits, Systems, and Computers World Scientific Publishing Company	Design of Low Power Speech Processor-Based Cochlear Implants Using Modified FIR Filter with Variable Frequency Mapping	2020
S.Prasad Jones Christydass, B. Praveen Kittu, Mahesh V Sonth, Beno Austin, Dr.Suraya Mubeen, Nivethitha T	Journal of Solid-State Technology	Metamaterial Inspired Rectangular Microstrip Antenna for Multiband THz Application	2020
Gopinath. V Arunkumar. V Bhavan. S Aswin. M A.Kishorekumar	International Journal of Trend in Scientific Research and Development (IJTSRD)	Arduino Based Smart Light Management System for Smart Cities	2020
R. Vigneshkumar G. Venkatesh K. Sivasakthi A. Kishore Kumar	International Research Journal of Modernization in Engineering Technology and Science	IoT Based Intelligent Gas Leak point Detecting and Locating System	2020
M. Madhu Mohan M. Prakash M. Madhuseelan A. Kishore Kumar	International Journal of Research in Engineering, Science and Management	Design of Secured Biometric Voting Machine	2020

STUDENT PUBLICATION

Name of the Students	Supervisor	Name of the Journal/ Conference	Title of the paper	Month & Year
Vigneshkumar R Sathis kumar E Rajith SB Sriram M	Dr. Ramya .J	International Journal of All Research Education and Scientific Methods (IJARESM)	Future Price of Bit Coin Prediction Using Machine Learning Model	Feb-21
Abirami.M Archana.P Ishwarya mahalakshmi.V	Baskar. D	International Journal of Research in Engineering and Science (IJRES)	Automatic Diagnosis System for Detecting Melanoma Using Local Binary Patterns	Feb-21
Deepa.S Devadharshini.J Jeeva priya .M	Nivethitha.T	International Journal of Research in Engineering and Science (IJRES)	Downlink NOMA Networks in the Presence of Imperfect SIC: Receiver Design and Performance Analysis	Feb-2021
S. Kumaresan P. Logesh Kumar R. Mani Shankar A. Pradeep Shankar	Dr.R.Sabitha	Suraj Punj Journal For Multidisciplinary Research	Lora Network for Data Transmit in Coal Mine Industry	2021
Manju Shree S Pavithra C Ponrathi S	Mr. B. Veerasamy	International Research Journal of Engineering and Technology (IRJET)	Mechanical Fault Diagnosis and Prediction using IoT	Mar-21

CTS - 4 L/A



ABIRAMI M



ABISHA C



AHAMED RIYAZ M



KARTHICK RAJ R



KEERTHIVASAN R



KIRANDHARSHINI D



LAKSHMI PRIYA



PAVITHRA C



POOVENTHIRAN B



VADIVEL C



VARUN SURYA A



VISHNUPRIYA T K

TCS - 4 L/A



DINAKAR P



MANISANKAR R



YAMINI PRIYA P

WORKSPOT - 2.8 L/A



ABUBAKKER SIDDIQ A



MONICA R



NANDHINI M



PINCY N



PRADEEP SHANKAR A



PRIYADHARSHIKA M S



RAMAN S



JANANI R

WIPRO - 3.3 L/A



PRAKASH S



KAMALANATHAN S

ACCENTURE - 4.3 L/A



RISHI KANTH P



VIGNESHKUMAR R

KOTAK MAHINDRA - 2.4 L/A



ASWIN M D



LOKESH K



MADHAN KUMAR E



MANOJ KUMAR M



SUJITH E

Multiple Offers



SELVALAKSHMI B
-NTT 3.5 L/A
-WIPRO 3.5 L/A



RANJITH S B
-WORKSPOT 2.8 L/A
-ACCENTURE 4.3 L/A



LOGESHKUMAR P
-VEGAS 1.8 L/A
-ACCENTURE 4.3 L/A
-ONMOBILE 2.55 L/A



HARITHA KAMESWARI
-CTS 4 L/A
-TCS 4 L/A



ISHWARYA
MAHALAKSHMI
-CTS 4 L/A
-TCS 4 L/A
-WIPRO 4 L/A



PONRATHI S
-HEXAWARE 4 L/A
-TCS 4 L/A
-INFOSYS 4.3 L/A



SUNDAR K A
-WORKSPOT 2.8 L/A
-NTT 3.5 L/A

GATE WAY TO EXCELLENT CAREER OPPORTUNITIES

30.01.2021 (SATURDAY) 11:00 AM TO 12:30 PM



ORGANISED AND CO-ORDINATED BY :

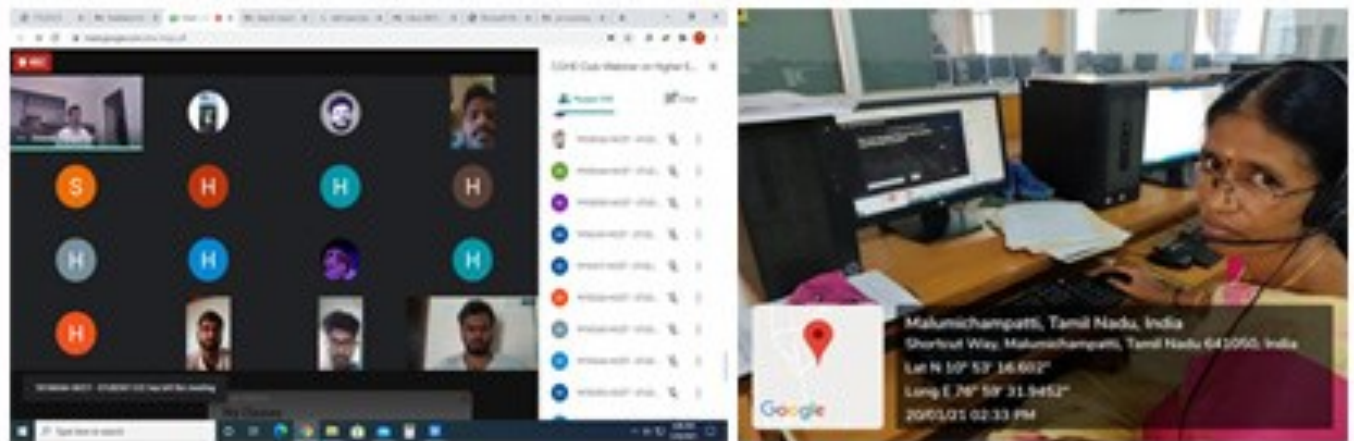
DR. VIJAYALAKSHMI.P , PROFESSOR/ECE

DR. DEEPA SHRI.S, PROFESSOR/CIVIL

MRS.MURUGESWARI.T, ASSISTANT PROFESSOR/EEE

HIGHER EDUCATION AND CAREER OPPORTUNITIES IN ABROAD

20.01.2021 (2:00 PM TO 3:30 PM)



ORGANISED AND CO-ORDINATED BY :
DR. VIJAYALAKSHMI.P , PROFESSOR/ECE
DR. DEEPA SHRI.S, PROFESSOR/CIVIL
MRS.MURUGESWARI.T, ASSISTANT PROFESSOR/EEE

CONNECTED MOBILITY THROUGH AUTOMATION USING INTERNET OF THINGS



ORGANISED BY :
DR.VIJAYALAKSHMI P

TRAINING PROGRAM ON ICT TOOLS AND ACTIVITY BASED LEARNING

04.01.2021 TO 05.01.2021



ORGANISED AND CO-ORDINATED BY :
DR.P.RAJESWARI
DR.P.GEETHA

SCIENCE DAY CELEBRATION 2021 FUTURE OF STI: IMPACTS ON EDUCATION SKILLS AND WORK

27.02.2021



ORGANISED BY :
MR.D.BASKAR

DEPARTMENT
EVENTS

EDITORS

CHIEF EDITOR

Dr. P. Rajeswari
HoD/ECE

EDITOR

Mrs. J. Ramya
AP/ECE

Student Editors

II year

Madhavkrishna
Monisha R
Ragavandhra K
Gokul AP

III year

R.Sruthii
Suriya A.K
R.Poorani
Rogh inico

IV year

P.Rishikanth

**Hindusthan College of Engineering
And Technology, Othakalmandapam,
Coimbatore- 641032**

e-mail: hicetlitereryclub2020@gmail.com

CONTACT
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AT