



JANSONS INSTITUTE OF TECHNOLOGY

Approved BY AICTE , New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001 : 2015 certified Institution.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TECHNOVA 7

-Published on January 2022



TECHNOVA 7

EDITORIAL COMMITTEE MEMBERS

EDITOR IN CHIEF

Dr.G.Vetrichelvi,HOD/ECE

EDITORIAL COMMITTEE MEMBERS

Dr.C.Shanmugam,ASP/ECE &
Mrs.P.Sivamani,AP/ECE

STUDENT MEMBERS

Mr.E.Senthurvelan,IV year ECE
Mr.S.Jawahar,III year ECE
Mr.P.Balaji,II year ECE A
Ms.Somu Shanthi Sri, II year ECE B

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING VISION/MISSION

VISION:

To produce skilled and competent engineering professionals in the field of Electronics and Communication.

MISSION:

Equip students with technical skills to meet the current demands in the electronics industry.

Cultivate ethical and moral dualities to address societal needs.



JANSONS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE | AFFILIATED TO ANNA UNIVERSITY

ACCREDITED BY NAAC WITH GRADE 'A'

AN ISO 9001 : 2015 CERTIFIED INSTITUTION

CONTENT	PAGE NO
1. INTERNSHIP/INDUSTRIAL VISIT/VAP	1
2. QUIZ	2
5. MIND CRUSADERS	4
6. CONTEST WINNERS	5
7. WORKSHOP	6
8. FACULTY PUBLICATIONS	7



*Genius is one percent inspiration and ninety
nine percent perspiration*

- THOMAS EDISON



INTERNSHIP/INDUSTRIAL VISIT/VALUE ADDED COURSE

INTERNSHIP

SRI JANANI.J.S

undergone internship in enthu technology solutions india pvt ltd coimbatore for a period of 15 days

P.JEEVITHA And ILLAVARSAN.K

undergone internship in enthu technology solutions india pvt ltd coimbatore for a period of 15 days

GOKUL.S

,ARATHI.K.NAIR,JENITH EBINESH.S,ELAKIYA.S, LOGANATH.K ,MOSES.P undergone internship in NSIC-technical service center for a period of 8 days

INDUSTRIAL VISIT

10 students undergone the industrial visit to enthu technologies and solutions on 18/11/21 with the faculty **Mrs,V.Vidhya Gowri & Mrs.S.Sandra**

VALUE ADDED COURSE

The department of Electronics and Communication Engineering organized Value added course on “ Internet of things” (IOT) for second,third and final year students

“ Education is the only thing no one can take away from you “

-Elin nordegren

QUIZZ

MANIKANDAN II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

NANDHINI.M.C II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

MULLANGI SRAVANI II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

RAGIPATI HARI II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

MUKTHI RAKESH KUMAR II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

MENTA VENKATA THARUN II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

PULA VYSNAVI REDDY II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

YAI SAI RISHITHA II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

PARVATHYREDDY LOHITH REDDY II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

YEGURI NAVIN II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

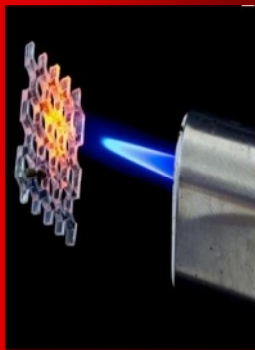
MOSES.P II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

SWETHA.R II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

VALLURI VENKATA ABHINAY KUMAR II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

MADHUMITHA.M, VANGAPANDU KUSHAL II Year ECE participated a quiz in Jansons institute of technology under the topic CYBER SECURITY

Glass 3D Printers



Scientists have developed a new technique to fabricate complex glass structures using a standard 3D printer. The secret, the researchers said, is something they call “liquid glass”. The scientists began with particles made of silica, the same material used to make glass. These nano particles were dispersed in an acrylic solution. The researchers could then use a standard 3D printers to fabricate complex items using this “liquid glass”,

PAPER PRESENTATION /PROJECT PRESENTATION

Balaji.P,Gowtham muthu K of 2nd year/ECE have participated in the Project presentation of CONOCITHON at St.joseph's college of engineering chennai on 01/10/2021 and 02-10-2021

Balaji.P,GowthamMuthu.K, Pricilla Disi.S, Shiny Pearline.S of 2nd year /ECE have participated of IEEE XTREME 15.0. Programming competition at IEEE on 23/10/2021

Balaji.P, Gunturu Kiran OF 2ndyear/ECE have participated in the IEEE Webinar on 5G Technoloy at IEEE JIT on 20/08/2021

Balaji.P of 2nd year /ece have participated in the Webinar of Jounary of the IEEE life member at IEEE on 05/10/2021

Kata Gowri, Nandhini of 2nd year/ECE have participated in the Course of Introduction to Cybersecurity at CISCO on 09/08/2021

Soumya,Brinda Prakasha Darshini of III ECE have participated in the National Flagship Event of Frizbee'21 at MES College of Engineering,Kuttippuram. on 17.12.2021-19.12.2021

Manishankar.P of III ECE have participated in the Course of Basics of Managing Money at Train India on 30-08-2022

CONTEST WINNERS

M.C.Nandini have won 3rd place in paper glider contest at SAE JIT collegiate club

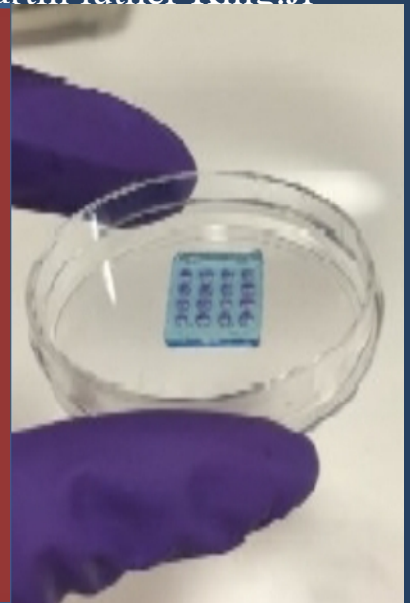
Pula vyshanavi reddy have won 3rd place in paper glider contest at SAE JIT collegiate club

“The function of education is to teach one to think intensively and to think critically. Intelligence plus character. that is the goal of true education.”

-Martin luther King.Jr

SYNTHETIC RETINA FOR THE VISUALLY IMPAIRED:

A synthetic, soft tissue retina could offer fresh hope to visually impaired people. Until now, all artificial retinal research has used only rigid, hard materials. The new research is the first to successfully use biological, synthetic tissues, developed in a laboratory environment. The study could revolutionise the bionic implant industry and the development of new, less invasive technologies that more closely resemble human body tissues, helping to treat degenerative eye conditions such as retinitis pigmentosa. Unlike existing artificial retinal implants, the cell-cultures are created from natural, biodegradable materials and do not contain foreign bodies or living entities. In this way the implant is less invasive than a mechanical device, and is less likely to have an adverse reaction on the body.



WORKSHOP

BALAJI.P of II ECE have attended workshop on language,,communication and soft skills from 01.12.2021 to 03.12.2021 at Jansons Institute of Technoloy,Coimbatore.

BALAJI.P,GOWTHAM MUTHU.K,PRICILLADISIS, SHINY PEARLINES of II ECE have attended workshop on FRIZ BEE'21 from 17.12.2021 to 19.12.2021 at MES college of engineering,Kuttiapuram,Kerala .

BRINDA PRAKASHA DARSHINI of III ECE have attended workshop on IEEE R10 young professionals 2021 on 10.10.2021 at St.Joseph's college.

WIRELESS PHONE CHARGER:

One area of technology that holds particular promise for expanding the electric vehicle market is wireless charging. Wireless charging has some current applications for personal devices like laptops, smartphones and earbuds, and it will likely eventually become standard for electric vehicles as well. An electric car owner will be able to park on a charging spot without the hassle of plugging in the car. Wireless charging docks will also be smaller, so they'll likely become easier and more cost-effective to build.



FACULTY PUBLICATION

Dr.G.Vetrichelvi published paper titled "Precision Agriculture using Hanging Robot" in IFERP/JIT

Dr.G.Vetrichelvi published paper titled "IoT based health monitoring system using NodeMCU" in IFERP/JIT

D.G.Vetrichelvi Published paper titled " A survey of Location free routing protocols in underwater wireless sensor networks in IJ Publications

Dr.P.Gowtham published paper titled " Performance Analysis of Smart Intravenous Infusion system using Optimized Machine Learning Model Classifier in Sri Krishna

Dr.P.Gowtham published paper titled "Energy efficient and timing Error mitigation circuit design based on clock adjustment in Jundishapur Journal of Microbiology

Dr.P.Gowtham published paper titled " Prototype Design for Smart Home Water Level Control System Using LoRa" in IFERP/JIT

M.Surya published paper titled "A Smart bus ticket booking system using Raspberry pi" in IFERP/JIT

JITDr.P.Gowtham published paper titled "Prototype Design For Real Time Emergency Vehicle Siren Sound Detection Using PIC Microcontroller" in IFERP/JIT

Dr.P.Gowtham Published paper titled " IOT Based Field Monitoring System Using WIFI module" in IFERP