H O D MESSAGE

Prof.Prasanna Kumar C
(M-Tech, Ph.D, MISTE, IETE)
Head Of Department

It gives me an immense pleasure to know that the Sixth Volume, Issue 2 Magazine "YANTRAMAN" of the Department of Electronics and Communication Engineering is ready to release. The students are not only a part of the academics but also indulge themselves in various extra-curricular activities, effectively work in multidisciplinary teams, endowed with leadership qualities, and practice engineering with moral principles and this newsletter acts as a prism to reflect the variety of academic and extracurricular pursuits of our students. It also showcases the achievements of the faculty in their research area. I wholeheartedly congratulate the team for their marvellous efforts in bringing out this newsletter.

Department of Electronics & Communication Engineering

VISION

To inspire innovations so as to carve a niche in the field of Electronics and Communication Engineering by inculcating a spirit of creative thinking and train the students in present technologies to meet industrial as well as social needs.

MISSION

* To continuously keep abreast with current trends and technology that support the students to excel in the area of Electronics and Communication Engineering.

* Provide ethical and value based education by promoting activities addressing the social and industrial needs.

* Equip students with a steady foundation in Electronics and Communication technology concepts to enable them for continuing education.
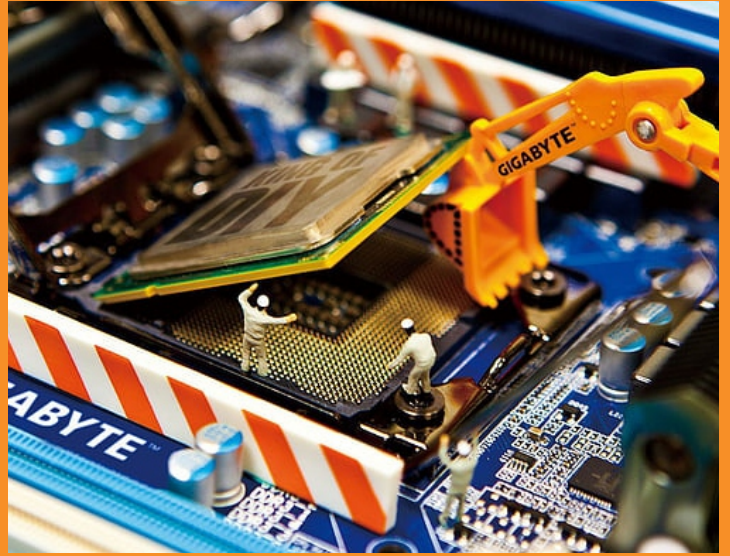
PROGRAM EDUCATION OBJECTIVES

Excel in professional career or higher education by acquiring required up to date knowledge in area of Electronics and Communication Engineering.

Analyze real life problems, design appropriate systems to provide solutions that are technically sound,economically feasible and socially acceptable.

Exhibit professionalism,ethical attitude,communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning.

Editorial Board

Welcome to the 6th Volume, 2nd Issue of YANTRAMAN. We are very excited to launch ECE Department Magazine "YANTRAMAN" which will give you all an opportunity to have a glimpse of all the departmental activities. It also includes the student's achievements in curricular and extra-curricular activities. This newsletter will doubtlessly serve as a special platform to showcase creativity and talents of the students which is an essence of success.

We take this opportunity to thank all the authors who have contributed the articles and also would like to express our gratitude to all the members of the editorial board and designers. Lastly, we would like to place on record our gratitude and heartfelt thanks to all those who have contributed to making this effort a success,now its time to have a joyful newsletter reading!!!

-Mrs.Nazia Abdul Majeed

staff co-ordinator
Dept of ECE

Student Coordinator

Savi-VI Sem   Hitha-VI Sem   Sagar-VI Sem

Muhammed Dhaniel-IV Sem   Mohammad Aman S-IV Sem

DEPARTMENTAL ACTIVITIES

Work Shop on
"INTRODUCTION TO MICROCONTROLLER "

Inauguration of the 5 day Technical Workshop on "Introduction to Microcontroller 8051" was held on 13/02/2023 to 17/02/2023 by the Department of Electronics and Communication Engineering in association with ISTE Student Chapter. Dr. Prasanna Kumar C, Head, Department of Electronics and communication Engineering of Yenepoya Institute of Technology was the resource person. The workshop was organized for third semester students.

At the end of this Workshop the students were able to learn Features of 8051 Microcontroller, Functional Blocks of 8051 Microcontroller, Program Memory and Data Memory Structure of 8051 Microcontroller, The Internal Data Memory and RAM Organization of 8051 Microcontroller.

Technical Talk
on
"What Should I Do For My Final Year Project"

The Department of Electronics and Communication Engineering at YIT organized a technical talk in association with ECHOLECTIC- ECE Students Association, ISTE Student Chapter (KA-109), and IEEE Student Branch (STB66433) on 18th April 2023 for 6th semester students of the department on the topic "What Should I Do For My Final Year Project". Dr. Prashanth Kumar H, Assistant Professor, NITK, Suratkal was the Resource Person for the technical talk.

A technical talk on "What Should I Do For My Final Year Project" was delivered by the resource person. In his talk sir shared his expertise in various project ideas related to advanced coding and modulation for satellite communication, VLSI, power supply design, signal processing, and other related topics. The students found the insights and ideas shared by Dr. Kumar to be very helpful and informative as they prepared to select their final year projects. The discussion centered around the latest trends and emerging technologies in the field of electronics and communication engineering, and the students were encouraged to explore and innovate while selecting their projects.

YENMANTHAN 2023

The final year project exhibition "YenManthan 2023" was organized by the Department of Electronics & Communication Engineering on 8th May 2023

The main objective of this exhibition was to provide the preliminary knowledge of the projects and provide an opportunity for the students to demonstrate their learning experience. The outcome of the" YenManthan 2023" was that students were able to show their project at higher level and the process boosted their confidence.

Dr. Siddesh G.K, Professor and Head, Dept of ECE, AIET, Moodbidri was the external judge for the day.

The inaugural of the project exhibition witnessed the presence of Dr.Prasanna Kumar C, HOD, ECE Department, Mr. Gangadhara, Project Coordinator along with the faculty and staff members, and final year students of Department of ECE. Dr.Prasanna Kumar C, florally welcome the judge. There were about 14 projects and posters that were exhibited from students of 8th semester of ECE. The projects were evaluated by the judge. The projects focused on Image processing, IoT, Health care, Robotics, Satellite Communication, VLSI fields.

Dr.Prasanna Kumar C handed over a memento as a token of gratitude and appreciation to Dr. Siddesh G.K. Dr. Siddesh.G.K appreciated the students for their projects. Two projects from the department were awarded as first and second-best project.

Vishwas T. R, Varun, Vinodraj S R, Ambaldhage Sudheendra bagged 1st place for project titled "Bidirectional Solar Energy Meter".

Mahammed Irfan Machapur , Zulkifl Sayyed, Deepak Shankar Naik, Chandrashekhar G Gouda bagged 2nd place for project titled "Wearable Assistive Jacket for Blind People".

Technical Talk on "Overview of Antenna Design"

A Technical Seminar on Overview of Antenna Design'' was organized by the Department of Electronics and Communication Engineering in association with Center for Excellence in Antenna Design, ISTE Student Chapter and IIC, YIT on 16/06/2023. Prof. Praveen Kumar Konda, Research Scholar, MIT Manipal was the resource person. Prof . Praveen Kumar Konda was florally welcomed by Dr . Prasanna Kumar C, Head Dept. of ECE, YIT. The Technical Seminar was conducted for Fourth and Sixth semester students.

Prof. Praveen Kumar Konda provided in depth overview of antenna design, sharing his insights and experiences with the audience. The resource person highlighted about the working principle of Antenna. He also highlighted various types of Antennas and radiation pattern. The event concluded with an interactive and valuable real time Question and Answering session, in which the students gained more ideas about the antenna design

YEN YOJANA 2023

Department of ECE organized third year Mini Project Exhibition "YEN YOJANA - 23" on 26/06/2023 in association with the department's students association ECHOLECTIC and ISTE Students Chapter (KA-109), YIT.

Major objective of organizing this exhibition was to provide the platform and unleash the potential of the students by showcasing their innovative projects developed in the pre-final year either as Industry Defined Problem or User Defined Problem and provide an opportunity for the students to demonstrate their learning experience. The outcome of the "YEN YOJANA - 23" was that the students were able to show their project at higher level and in the process boosted the self-confidence of the students.

A total of 10 projects teams participated in the exhibition.

The projects from Department of Electronics and Communication Engineering were evaluated by Mr. Nagarjun M G, Project Associate, KSCST, Bengaluru and Mr. Gangadhara, Assistant Professor, Dept. of ECE , YIT evaluated the projects.

The project titled "Baby Monitoring System" by Akhileswar & team bagged the first prize and the project titled "NOIN- Non invasive Glucose Monitoring System" by Savi S Chowta & team won second prize in YEN YOJANA-23.

FACULTIES ACHIEVEMENTS

Dr. Prasanna Kumar.

Become VTU ECE board BOE for the academic year 2023-24.

Become VTU ECE board BOE coordinator for the Laboratory exams.

Selected as a subject expert VTU Local Inspection committee (LIC team Member) 2023 -24

Selected as Start up Karnataka ELEVATE-2023 jury member for IT/ITES, Govt of Karnataka.

Dr. Shashank M. Gowda.

Successfully Completed Ph.D in Electronics and Communication Engineering from VTU Belagavi 2023. Ph.D Thesis Title: Homologation and Analysis of Facial Expressions and Emotions using Action Units.

Shashank M Gowda, Raviraja Nayak, Shruthi Poojarthy, Spoorthi, Sushanth Nayak, "RS3 : Agricopter for Crop Detection and Optimization", International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 11, Issue 4, April 2023, pp. 2714-2720. DOI: 10.15680/IJIRCCE.2023.1104189

Shashank M Gowda, P N Anvitha, Abhishek Poojary, Prajwal Shetty, Mouna C B, "MAAP: The Segregator", International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 11, Issue 4, April 2023, pp. 3142- 3155. DOI: 10.15680/IJIRCCE.2023.1104268.

Attended a One Week AICTE Recognized FDP on "Applications of AI in Electronics Design" from 20th to 24th February, 2023, Organized by Electronics and Communication Engineering at NITTTR Chandigarh.

Ms. Pavithra S.G

Participated in the AICTE Recognized FDP on "Applications of AI in Electronic Design" conducted by ECE department from 20/02/2023 to 24/02/2023 at NITTTR, Chandigarh.

Participated in One day Faculty Development Program on "ICT Tools for Instructional Delivery and Assessment" organized by the Internal Quality Assurance Cell, YIT in association with ISTE Faculty Chapter(KA-126), YIT held at Yenepoya Institute of Technology, Moodbidri.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Introduction to Cyber Security" from 22nd to 26th May 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Analog VLSI Design using EDA Tools" from 20th to 25th March 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Introduction to Web Programming" from 27th to 31st March 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Introduction to Internet of Things (IoT)" from 17th to 21st April 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Robotics & Artificial Intelligence" from 24th to 28th April 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Smart Materials & System" from 29th to 2nd June 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Fundamentals of Data Science & Analytics" from 5th to 9th June 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in the One Week AICTE–VTU Joint Teachers Training Programme on "Introduction to Python Programming & its Applications " from 19th to 23rd June 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Participated in One Week online faculty development program on ELECTRIC VEHICLE DRIVE SYSTEM Organized by Department of Electrical and Electronics Engineering, JCE from 27th Feb to 4th Mar 2023.

Published Research Paper entitled "Design of Solar Energy Driven Mosquito killing System Using UV Light" published in the International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 11, Issue 4, April 2023, p-ISSN: 2320-9798 , e-ISSN: 2320-9801.

Ms. Nazia Abdul Majeed

Published research paper titled '' Bidirectional Solar Energy Meter'' International Journal of Innovative Research in Copmputer and Communication Engineering , Volume 11, Issue 4 April 2023. ISSN- 2320-9798.

Published research paper titled " Automatic Cow Location Tracker and Health Monitoring System'' in International Journal of innovative Research in Science Engineering and Technology Volume 12, Issue 5 May2023 pISSN- 2347-6710.

Completed Microsoft India &SAP Faculty Development Program on Artificial Intelligence'' under TechSaksham Program 23rd Feb -25th Feb 2023.

Mr. Sai Venkatramana Prasada G S

Published Research paper titled "Smart Glasses for Blind People" in International Journal of Innovative Research in Computer & Communication Engineering, e-ISSN: 2320-9801, Volume11, Issue 3 March 2023, pp 2727-2732.

Mr. Harsha C.J

Published paper titled '' Automation of Education system'' IJIRSET 2023 , volume 12 , ISSN-2319-8753

Published paper titled ''Smart Glove for Deaf and Dumb Community'' IJIRCCE 2023 , volume 11 , ISSN-2320-9801.

Participated in the online AICTE recognized FDP on Antenna and wireless Technologies organized by NITTTR Chandigarh during 20/02/2023 to 24/02/ 2023.

Mr. Gangadhara

Published Research Paper titled "Wearable Assistive Jacket for Blind People in Web of Science Journal

Attended 5 Day International Online FDP on Advancement in RF, Microwave, Antenna and 5G Application"Organized by Atria Institute of Technology, Bangalore from 27th March - 31st March 2023.

Dr. Prasanna Kumar C ,Ms. Pavithra C, Ms. Nazia A. M,Mr.Harsha C.J, Mr. S.V. Prasad, Mr. Praveen, Mr. Sandeepa Prabhu have completed 3 Day Faculty Development Programme on Universal Human Values organized by Yenepoya Institute of Technology 4th May - 6th May 2023.
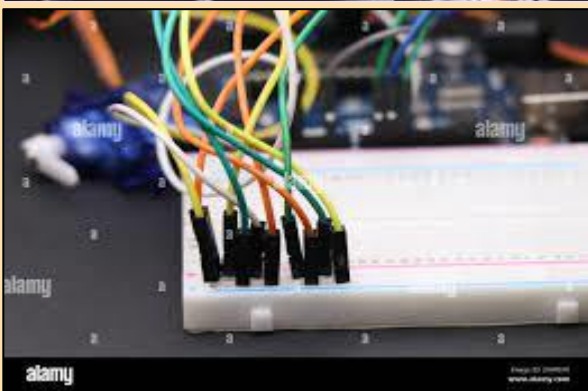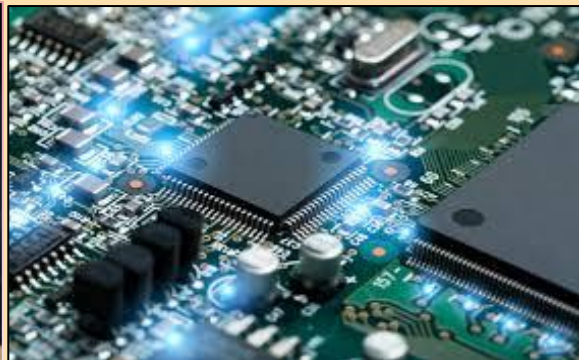
STUDENT ACHIEVEMENT

➢ Abdul Rehman, Bilal Khan , Fiza A. R., Mohammed Hisham, Rashmi III Sem students successfully completed Microsoft Certified Azure Data Fundamental Course on 31st March 2023.

➢ Mr. Sagar R. S. , Mohammed Arshad, Mr. Khader Hafeez Addur, Mr. Prakash Jaison, VI Sem Lobo are awarded III prize for the project titled "Prayascitta: A Sea Water Purification Model" in Technocraft Booth Project Competition 2023 held at S. Y. B. Tech Electronic and Communication Engineering, Pune on 2nd May 2023.

➢ Mr. Sheik Nasir, Mr. Bilal Khan, Mr. Syed Mustaqeem, Ms. Aishwarya , III Sem has secured place in Line follower Competition held during Akriti 2023 an Inter Collegiate Techno Cultural Fest organized by Canara Engineering College, Benjanapadavu form March 30th-April 1st 2023.

➢ Mr. Sagar R. S. , Mr. Khader Hafeez Addur, VI Sem were awarded Ist prize for their Innovative Idea titled: "KAMPANA-The Vibration Energy Harvesting" in IDEATHON -2023 , A State Level Innovation Competition held at Channabasaveshwara Institute of Technology , Gubbi Tumkur on 14th March 2023

➢ Mr. Pavan Kumar secured 2nd place in RESPAWN- Mini Militia held during Incridea' 23 from April 26th-29th 2023 at NMAMIT Nitte.
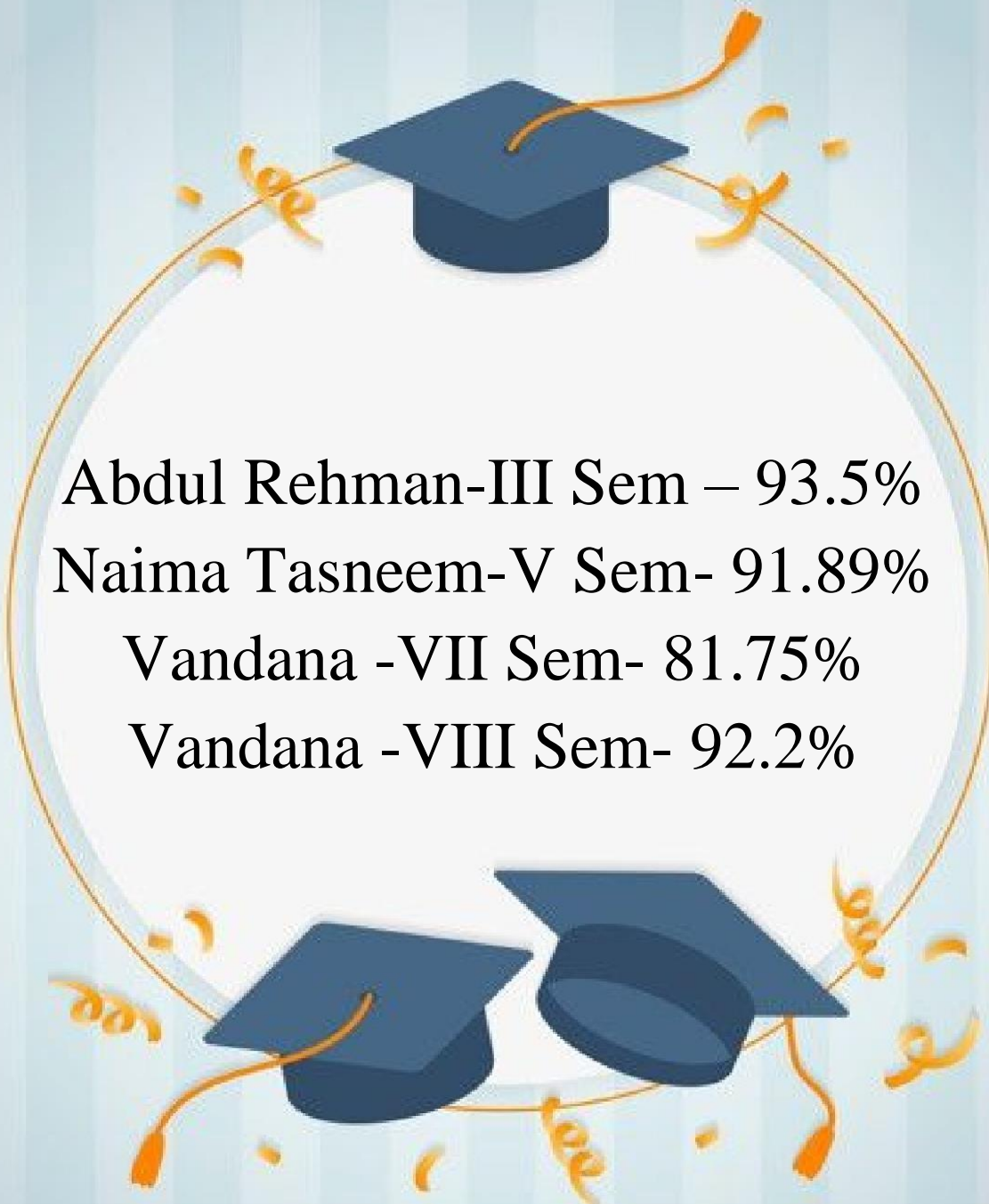
SPONSORED PROJECTS

[1] "AGRICOPTER" Final Year Student Project under the guidance of Dr. Shashank M. Gowda was selected for KSCST Funding of Rs. 6000 under 46th Series Students Project Programme.

[2] "Bidirectional Solar Energy Meter" Final Year Student Project under the guidance of Ms. Nazia Abdul Majeed was selected for KSCST Funding of Rs. 7000 under 46th Series Students Project Programme.

Toppers

Abdul Rehman-III Sem – 93.5%

Naima Tasneem-V Sem- 91.89%

Vandana -VII Sem- 81.75%

Vandana -VIII Sem- 92.2%

Placement Details

NAME	COMPANY
Abishek Poojary	BITLAB
Ambaldhage Sudhendr	Tek works
Ashwitha H Y	Palle technologies, Intellipaat
Aslam	BITLAB
Chaudary Vikash Suresh	BITLAB
Gangadhara	Intellipaat , TekWorks Enterprise
MahammedIrfanMachapur	Novigo Solutions
Manoj Kumar	Sterlite
Meghana	BITLAB
Mohammed Shahabaz	Novigo Solutions
NibrazRehaman persons.	Pace wisdoms,Poornam infotech
Nireeksha	Slk software
Pooja K V	BITLAB
Rakshith N S	INTELLIPATH
Rebeiro JohnsonWilfred	SLK,Sterlite
Sajna	Destination technology
Shraddha Shetty	BITLAB,Intellipat
Spoorthi	Sterlite Technology Limited
Vaibhav C	Intellipaat
Vandana	SLK SOFTWARE,Tekworks- Bitlabs
Varun	Palle technology
Smithashree S S	Intellipaat
Kaleem	BITLAB