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BITECH VOICE
NEWSLETTER OF ECE DEPARTMENT

Volume - 6, Issue - 1 July – December 2022

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Inside the Issue

- Department Activities
- Student Achievements /Activities
- Faculty Achievements /Activities
- Literary Contribution
- Alumni Corner

Quote Corner

“Education is the most powerful weapon which you can use to change the world.”
-Nelson Mandela

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Vision: To be in the forefront in providing quality technical education and research in Electronics & Communication Engineering to produce skilled professionals to cater to the challenges of the society.

Mission:

- M1. To facilitate the students with profound technical knowledge through effective teaching learning process for a successful career.
- M2. To impart quality education to strengthen students to meet the industry standards and face confidently the challenges in the program.
- M3. To develop the essence of innovation and research among students and faculty by providing infrastructure and a conducive environment.
- M4. To inculcate the student community with ethical values, communication skills, leadership qualities, entrepreneurial skills and lifelong learning to meet the societal needs.

Electronics in Artificial Organs

With the advances in science and technology, there has been a phenomenal growth in the use of electronic devices in medical field.

Science and technology are making great advances in all fields, particularly with the phenomenal growth of applications in various fields. The medical field has also embraced the use of electronic devices by not only helping patients recover from illness but also replacing medically stained/disabled human body parts, thus moving towards a complete electronics human body.

At present, various electronic devices are being engineered that can blend with the organs and tissues of the human body. Some of the examples of electronics in artificial organs are artificial heart, artificial kidney, pacemakers and defibrillators.

Overall, electronics play a critical role in the development and functioning of artificial organs, allowing for more precise and effective control of the devices and improving the quality of life for people with organ failure.



From HOD's Desk

The Department is enthusiastic to publish the volume 6, issue 1, of **BITECH VOICE NEWSLETTER OF ECE DEPARTMENT.**



As Head of the Department, I would like to appreciate all the faculty members, non-teaching staff and students for their active involvement and sincere efforts for the betterment and development of the Department. On this occasion, I congratulate all the team members of the editorial board for bringing up this issue.

I congratulate research scholars, Mr. Kiran Kumar G H, Ms. Banumathi K L, and Mr. Ganesh K for completion of Ph.D.

I congratulate Rishi Ketu Chand, student of 7th semester for winning the prize in National Hackathon held in November 2022.

I am glad to share that, Department has organized an invited talk on **Latest Trends and Challenges in semiconductor Industry**, an **Awareness Program on NBA**, and a webinar session on **Global Education – GRE.**

Importance of Organ Donation

Organ donation is the process of donating organs or tissues from a deceased or living donor to a recipient who needs a transplant. Organ donation can save lives and improve the quality of life for people with serious illnesses and medical conditions.

DEPARTMENT ACTIVITIES

- Talk on **Latest Trends and Challenges in Semiconductor Industry** by alumnus Mr. N.D. Vijaykumar, Principal Engineer, Ensilica India for students on 24th December 2022.
- Mr. Madhusudhan alumnus Technical Manager, Sankalp Semiconductor, an HCL Company, addressed students regarding the preparation for placements in core companies on 24th December 2022.
- Mr. Pavan, alumnus Senior Consultant at Infosys addressed students about the opportunities on Cyber Security on 24th December 2022.
- Mr. Rohith, alumnus addressed on opportunities and scope in health industry on 24th December 2022.



t to the Department on 24th December 2022.

- Plantation of trees activity was organized for III Semester students under Social Connect and Responsibility (21UH36) and AICTE activity points program on 22nd December 2022.



Plantation activity by students on 22nd December 2022

- I Semester students visited the Department during Induction Program on 9th December 2022.



I Semester students Induction Program on 9th December 2022

- EC Forum **E-UTSAV** inaugurated on 28th November 2022.
- EC Staff Association felicitated Ph.D. holders Dr. Prakash K M, Dr. Kiran Kumar G H, Dr. Banumathi K L and Dr. Ganesh K on 28th November 2022.



Felicitation to Ph. D. holders on 28th November 2022

- **Orientation Programme and Parents Meet** for III Semester students conducted on 14th November 2022.



Orientation Programme and Parents Meet on 14th November 2022

- A session on **Semiconductors** by Mr. Paul Kaunds, Founder & CEO, P&C Tech Consultants Pvt. Ltd., Workingham, United Kingdom, Alumni -1996 Batch, on 12th November 2022 for V and VII Semester students.



Session by Mr. Paul Kaunds on 12th November 2022

- NBA Awareness Program was conducted for III Semester students by Dr. Kiran Kumar G H and Dr. Ganesh K on 9th November 2022.



NBA Awareness Program for students on 9th November 2022

- An online webinar session on **Global Education - GRE Session** was organized for V and VII Semester students, on 7th November 2022 in association with **ALLEN Global Studies Division, Bengaluru.**



Online webinar on Global Education –GRE Session on 7th November 2022

- Mr. Rakesh H M completed colloquium on **Design and Analysis and Implementation of MAC unit for Multirate Signal Processing and Applications** on 29th September 2022 under the guidance of Dr. G S Sunitha.
- **Farewell and Valedictory** function was organized by EC FORUM on 9th July 2022.



Farewell and Valedictory function on 9th July 2022

STUDENT ACHIEVEMENTS / ACTIVITIES

- Fifteen students from VII Semester attended **Microsoft Philanthropies Training II on Cyber Security, ICT Academy, Chennai,** organized by BIET on 23rd December 2022.



Training on Cyber Security on 23rd December 2022

- Six students of V Semester along with faculty Dr. Ganesh K, have participated in **Science Mela** organized by Alvas Educational Foundation from 21st to 27th December 2022 at Moodbidri, Dakshina Kannada District, Karnataka.



Participants in Science Mela at Moodbidri from 21st to 27th December 2022

- Rishi Ketu Chand of VII Semester and team, has won the prize in National Hackathon held from 22nd to 27th November 2022.



National Hackathon prize receiving event of Rishi Ketu Chand and team on 27th November 2022

- Renukaradya M S, Hanamant Laddi, and Prajwal S students of EC Department have participated in the activity **BIET PREMIER LEAGUE**, organized by BIET on 23rd November 2022.
- Renukaradya M S, Prajwal S, and Mahalaxmi C K, students of EC department have participated in the activity **CODE MASTERS**, organized by GMIT on 14th November 2022.
- Three students of V Semester, Ankitha H S, Fasiha Khanam, and Shobitha Rani, are participated in **Drone Design workshop** held on 1st November 2022 at Solapur.
- Sunil M J of V Semester has participated in the activity **Prevga Workshop on Drone making and flying** organized by IISc Bangalore, on 3rd and 4th September 2022.
- Ramya Inamati, Vijayalaxmi Sthavarmath, Ruchitha Mahesh Dasaraddy, Sahana T, and Bhoomika H, students of EC department have participated in the activity **Innovation-2022** organized by CMRIT Bangalore on 14th July 2022.
- Ramya Inamati of III Semester has participated in the activity **Technical Quiz on Problem Solving Through Programming** organized by BIET on 4th July 2022.
- Students qualified in NPTEL courses.

Name	USN	Course
Anushree B N	4BD19EC014	1. Managerial Skills for Interpersonal Dynamics 2. Product and Brand Management
Sanjana M	4BD19EC096	
Pavan Sepur A	4BD20EC050	Introduction to Internet of Things

Trishul B G	4BD19EC114	Electronic Systems for Cancer Diagnosis
Sanjay B G	4BD19EC098	System Design Through VERILOG
Rakshith Gouda Patil	4BD19EC085	Embedded System Design with ARM
Rohan A M	4BD19EC091	Joy of Computing using Python

• Placement Details:

2023 Batch	
TCS	32
Tessolve	01
Radisys	01
SLK	04
KPMG	04
Cognizant	09
Total	51

2023 Batch	
SLK	02

FACULTY ACHIEVEMENTS / ACTIVITIES

- Mr. Kiran Kumar G H has attended the FDP on **Introduction to Python Programming**, organized by ISE, BIET from 12th to 14th December 2022.
- Smt. Savithri G R and Dr. Banumathi K L, attended Lecture series on **Entuple Technologies University Tech bytes Training**, organized by Entuple Technologies on 9th December 2022.
- Smt. Suman B S attended 14 days ATAL Online and Offline FDP on **Computational Intelligence enabled sensors and Networks for 5G/6G wireless communication**, JNNCE Shivamogga from 14th to 26th November 2022.
- Dr. K M Prakash, Dr. G H Leela, Dr. Nirmala S O have qualified in FDP on **Teaching and Learning in General Programs – TALG(NPTEL)**.
- Smt. Shubha V Patel, reviewed the articles in the **XIX Control Instrumentation System Conference CISCON-2022**, held on October 28 & 29, 2022 at Manipal Institute of Technology, MAHE, Manipal.
- Dr. Ganesh K conducted workshop on **Robotics and Free and Open Source Softwares at**



Dr, Ganesh K conducting Workshop at UBDTCE Davangere on 20th October 2022

- Dr. Ganesh K has written a book entitled **Electronics Guru** published by Prasara, VTU and released on 13th September 2022.



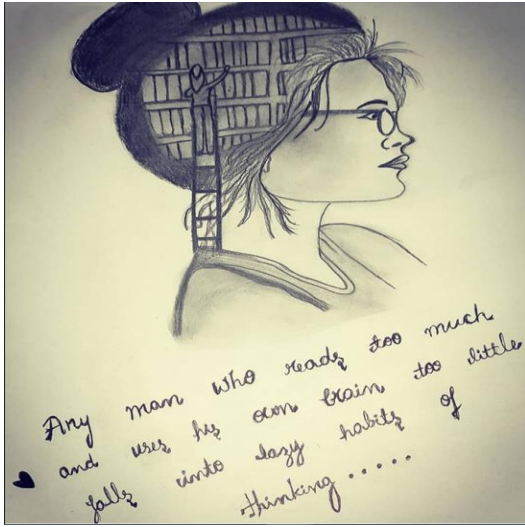
Electronics Guru book written by Dr. Ganesh K on 13th September 2022

- Dr. G S Sunitha reviewed the papers and also participated as Session Chair (VLSI Track) for IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics [2022 IEEE DISCOVER] October 14-15, 2022, organized by IEEE Mangalore Subsection at J N N College of Engineering, Shivamogga.
- Dr. Kiran Kumar G H reviewed papers in IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics [2022 IEEE DISCOVER] October 14-15, 2022, organized by IEEE Mangalore Subsection at J N N College of Engineering, Shivamogga.
- Dr. G H Leela, Dr. Nirmala S O, Dr. Banumathi K L, Nirmala G, Shwetha S, Poornima G N and Vanishree H V, have attended 5 days FDP on **Analog and Digital IC Design: Semiconductor Industry Approach**, jointly organized by Atria Institute of Technology, Dept. of E & CE, with Entuple Technologies Pvt. Ltd. Bengaluru from 26th to 30th September 2022.
- Dr. Avinash K G and Mahendrachari have attended 5 days FDP on “**5G Challenges: An Antenna Design Perspective**”, organized by BMISTM, Bangalore from 26th to 30th September 2022.
- Dr. Kiran Kumar G H has attended 5 days FDP on **Taking Research to next level**, at Sri Venkateswara College of Engineering, Bengaluru from 26th to 30th September 2022 through online mode.
- Ms. Sucharitha S D has attended Master Training Program on **Cyber Security**, under the Cyber Security for Educators and Students from 24th August to 2nd September 2022, organized by ICT Academy.
- Dr. Ganesh K filed and published Indian patent **Design and Implementation of IoT and Data analytics based smart village**. Application number- 202241051024.
- Mrs. Shwetha S conducted hands - on session on **Introduction to Proteus software** under Gnanavrudhi for faculty on 18th July 2022.
- Dr. G S Sunitha, Mrs. Sucharitha and Mr. Yogesh attended Technical Webinar on **IC Nanometer design test and verification using Mentor Graphics** on 14th July 2022 Corel technologies.

LITERARY CONTRIBUTIONS



Bhumika N (4BD20EC402)



Ruchita P (4BD19EC093)



Ruchita P (4BD19EC093)

ALUMNI CORNER

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Mirza Qadir Baig
UPSC CSE 2018 AIR

Divisional Operations
Manager,
Hubballi, South Western
Railway,
Ministry of Railways

My views of CONFLICTING REALITY and IRONIC LIFE!

Having said generic philosophical things, which everyone knows and everyone preaches. Life is always unfair and demanding.

Amidst the churning of my life I have come to a realisation that everyone and more especially I sometimes do not understand what is it I want from my life : I try to keep myself motivated to do certain things, which I consider, will take me towards my goal. And every time it is reached, success seems more like an illusion.

Never have I ever felt satisfied with my work because I feel that there is always **scope for improvement**. This compels me to think where I stand right now and where I wanted to be. I desire to do many things in my life then again as everyone else, I sometime fail at grass root. Every chunk of motivation I gather suddenly vanishes and it seems as though there are no signs of its existence.

Never have I ever felt the grace of achievement, the lives of people around me seem much accomplished and I feel condescended. And I am also aware that some part of me desires and admires my kind of life.

With this at a hindsight, the only thing I feel that I am doing correctly is that, with the everlasting aspiration and desire to improve myself I always work towards my betterment and exploring my potential. Which is what satisfies me.

And I have understood that **SATISFACTION** ultimately is what makes you sleep in peace when day is done.

With this at a hindsight, the only thing I feel that I am doing correctly is that, with the everlasting aspiration and desire to improve myself I always work towards my betterment and exploring my potential. Which is what satisfies me.

And I have understood that **SATISFACTION** ultimately is what makes you sleep in peace when day is done.

Without being mediocre in any of the undertaking what i want everyone to do is to make this as mantra of your life –

“I wish to be self-satisfied about the work I do, I wish to be maverick in what I do”!!

MIRZA QADIR BAIG
(ENGINEER by Education CIVIL SERVANT by Profession)