



ELECTRICAL GNOSYS

VOLUME 13

NEWSLETTER

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HOD'S DESK



I'm excited to present the fourth issue of our 2023 newsletter. This issue highlights outstanding accomplishments by our teachers and students as well as provides a look at a variety of other activities.

I thank all my coworkers and students for their contributions to the development of the department.

I congratulate all the result toppers for their excellent performance. The last two months have been very eventful and I wish you all a very happy Onam.

VISION

To evolve as a centre of excellence, to train students in contemporary technologies, to meet the needs of global industry and to develop them into skillful engineers instilled with human values and professional ethics.

MISSION

To produce competent and disciplined Electrical & Electronics Engineers through delivery of quality education to meet the ongoing global challenges in alignment with technical education system and society.

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**“Education is the key that unlocks the golden door to freedom.”
-George Washington Carver**

FACULTY AND STUDENT ACHIEVEMENTS



Dr.G.Justin Sunil Dhas Published a paper Titled "Power line Voltage Sag Mitigation by Dynamic Voltage Restorer using ANN optimization Technique Approach ", in International Journal of Scientific Research in Engineering and Management"



Ms. Shelma George Published a paper titled "Fuzzy-Based Control Strategy for Supercapacitor Assisted Battery Powered EV" in IEEE Explore

Mr. Sivang Suresh and Mr. Vyas Dath of S2 EEE have participated in "Intro to C, A beginners workshop" conducted by association for computing machinery- Kollam chapter

NBA TEAM VISIT

NBA Expert team visited the department on 16th and 17th June for accreditation renewal.



ALUMNI INTERACTION

Alumni Mr. Robin Thomas (ASTREK Innovations) and Ms. Dhanya P (Western Digital, SanDisk) Interacted with the students of S4EEE and S6EEE



OBE TRAINING TO THE STUDENTS

A TRAINING ON OUTCOME BASED EDUCATION IS GIVEN TO THE STUDENTS BY THE HOD PROF. LALY JAMES ON 07/06/2023 AT VALLOPPILLY HALL





Alen Varghese
Python Developer
ULTS



Nakul Ganesh
Trainee Application Engineer
Technologics



Joel M Jcacob
PLC Programmer Trainee
SP Leak Test & Automation Pvt Ltd



Dwithi Shivakumar
Communicative English
trainer
ACCENTA Education



Renitha Ramakrishnan
Communicative English
Trainer
ACCENTA Education



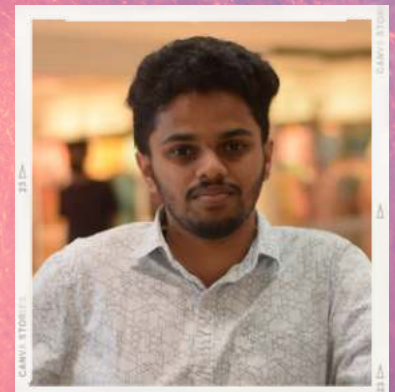
Vaishali Prabhakaran
Communicative English
Trainer
ACCENTA Education



Abhilash Joseph
AMC Engineer
Synergy Systems & Solutions



Aswanth Rameshan
Trainee Engineer
Synergy Systems & Solutions



Noyal Jose
1. PLC Programmer Trainee
SP Leak Test & Automation Pvt Ltd
2. STEM Facilitator
STEM cadets



Ashlyn Wilson
Associate in non officer
cadre
Federal Bank



Ajin Mathew Joseph
Trainee Engineer
ASK SOLUTIONS
Hyderabad



Ajith Saji
Engineer -designs
Oriental Automation Systems
Pvt. Ltd.



P Roma Ullas
Application Engineer
ishttaa TechCraft Pvt Ltd



Aswin K
Trainee Engineer
Sarla Technologies



Sayooj Devan M B
STEM FACILITATOR
STEM Cadets PVT. LTD.



Gokul Ariyil
Technical Trainer
MGS Robotics



Kiran Joseph
PLC programmer
A K Automations



Aswin Suresh M S
Trainee Engineer
ASK SOLUTIONS
Hyderabad

Congratulations

TOPPERS OF KTU RESULTS 2019-2023 BATCH



Abdul Jabbar
Younus
CGPA:9.21



Dilna Maria
Shibu
CGPA:8.74



Ashlyn Wilson
Sasthapadavil
CGPA:8.58

BTech Minor

Akhil George

CGPA:7.67

BTech in Electrical and Electronics
Engineering with Minor in Civil
Engineering



KTU S5 RESULT TOPPERS- PRIZE DISTRIBUTION

Rev. Father Sony Vadasseril, Asst. Manager distributed Prices to S5 KTU toppers



Ms. Varada Anil- First Place- SGPA 8.76



Mr. Agil Mathews Anthony- Second Place- SGPA 8.5

KTU S3 RESULT TOPPERS

Rev. Father Sony Vadasseril, Asst. Manager distributed Prices to S3 KTU toppers



Mr. Razi Illyas M K- First Place- SGPA 8.91



Mr. Jithin Nair- Second Place- SGPA 8.32



Ashwanth Shaji- Third place- SGPA 8.09

KTU S1 RESULT TOPPERS

Prof. Laly James, HOD EEE distributed Prices to S1 KTU toppers



Mr. Jerin Biju- First place, SGPS-9.65



Mr. Ajuwaid Aneesh- Second place, SGPA-9



Ms. Elizabeth T Mani- Second place, SGPA-9

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

- **Graduates will achieve broad and in-depth knowledge of Electrical & Electronics Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.**
- **Graduates will make valid judgment, synthesize information from a range of sources and communicate them in sound ways appropriate to the discipline.**
- **Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Electrical & Electronics Engineering, but also that are important to society**
- **Graduates will adapt to different roles and demonstrate leaderships in global working environment by respecting diversity, professionalism and ethical practices**

PROGRAM SPECIFIC OUTCOMES (PSOS)

- **Apply the knowledge of electrical fundamentals , circuit design, control engineering, analog & digital electronics to the field of electrical & electronics systems in industry.**
- **Develop technical knowledge, skill, and competence to identify comprehend and solve problems in research and academic related to power system engineering , industrial drives & control.**

PROGRAM OUTCOMES (POS)

- **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PROGRAM OUTCOMES (POS)

- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

STAFF EDITOR

MR. RIJOY G N
ASST. PROFESSOR

STUDENT EDITOR

ROHAN K V
STUDENT
S7 EEE

**WE WISH YOU A VERY
HAPPY ONAM!**