ECE QUEST

(A Bi-annual Technical Magazine)

Volume 3 Issue 1

PSCMR

College of Engineering and Technology

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The Department of **Electronics and Communications Engineering** envisions the E.C.E graduate as a competent and ethical professional in the areas of electronics, communications, and digital signal processing. The Department of Electronics and Communication Engineering is established in **2008.** It offers B.Tech programme with a student intake of **120**.

Vision:

To be a leading center for education and research in electronics and communication engineering, making the students adaptable to contemporary technologies with sound knowledge and socio-ethical values in an integrated learning environment.

Mission:

- **M1:** To produce knowledgeable and technologically competent engineers for providing services to the society.
- **M2**: To have a collaboration with leading academic, industrial and research organizations for promoting research activities among faculty and students.
- **M3:** To create a unified learning environment for sustained growth in electronics and communication engineering and related areas.

PSO'S

- **PSO1:** The ECE Graduates will be equipped with knowledge of complete design flow from specification to silicon in areas of both digital and analog VLSI Design and will be able to work in IC design companies.
- **PSO2:** The ECE Graduates will be trained with microprocessor and microcontroller based system design skills and can work as design and verification engineers in the area of embedded systems design.
- **PSO3:** The ECE Graduates will be able to apply engineering knowledge for design and implementation of projects pertaining to signal processing and communications.
- **PSO4:** The ECE Graduates will be incorporated with necessary soft skills, Aptitude and technical skills to work in it and public sector.

PEO'S

- **PEO1: Engineering Foundation**

To produce graduates with firm foundation in electronics and communication engineering.

- **PEO2: Core Competence**

To motivate graduates to Analyze, Design, Develop, Optimize and implement electronic systems with competent spirit.

- **PEO3: Breadth Knowledge**

To enable graduates with sufficient breadth in electronics and its related fields to solve general engineering problems in an eco-friendly environment.

- **PEO4: Soft Skills**

To make graduates with a professional outlook who can communicate effectively and interact responsibly with colleagues, Clients, Employers and society.
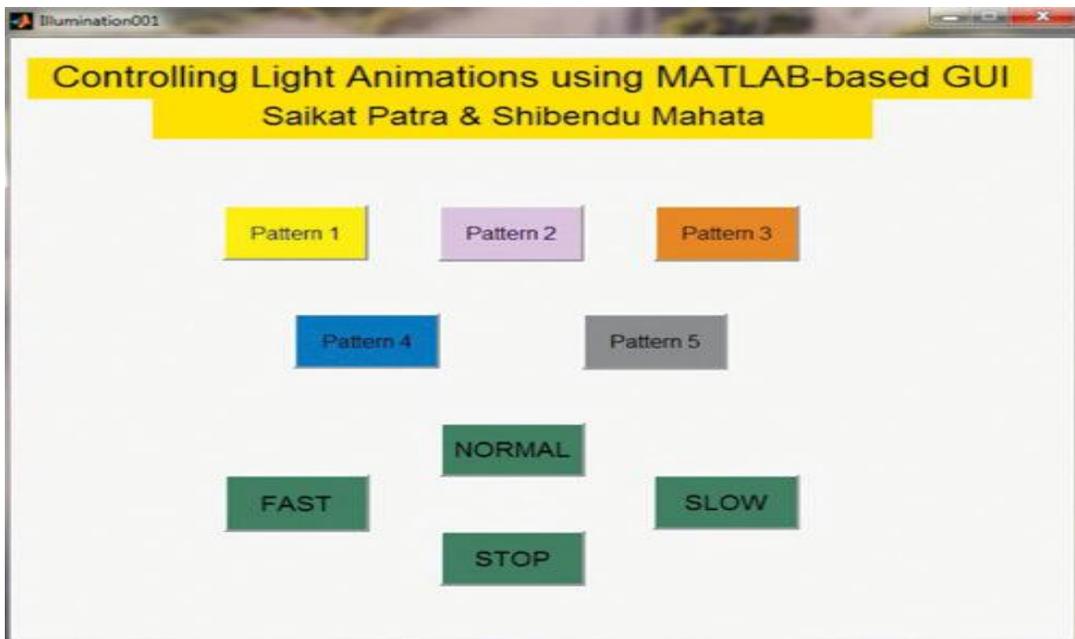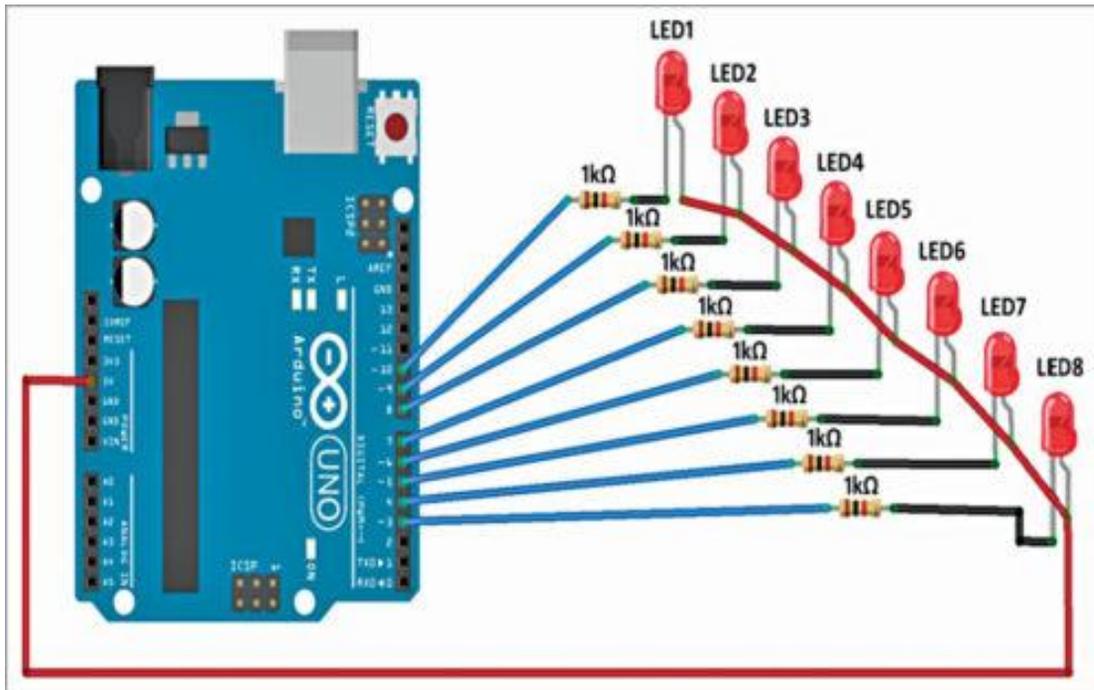
- **PEO5: Knowledge Enhancement**

To prepare graduates who pursue lifelong learning and professional development including higher education.

Do it yourself

Light Animations Using Arduino and MATLAB

- Light animations are visually appealing and hence widely used for advertising purposes. In this project, we present a MATLAB-based graphical user interface (GUI) approach to control the glowing pattern of a number of light-emitting diodes (LEDs). Use of GUI is advantageous since the user can control illumination patterns while performing other tasks in the PC.

- This project creates five different lighting patterns including ring counter and Johnson counter by clicking appropriate pushbuttons in the GUI. The blinking speed of LEDs can also be controlled using fast, normal and slow pushbuttons in the GUI.

Circuit

https://electronicsforu.com/electronics-projects/hardware-diy/light-animations-arduino-matlab

Scientist of the year

Bill Gates

American business magnate

- William Henry Gates III (born October 28, 1955) is an American business magnate, investor, author, philanthropist, and humanitarian. He is best known as the principal founder of Microsoft Corporation. During his career at Microsoft, Gates held the positions of chairman, CEO and chief software architect, while also being the largest individual shareholder until May 2014.
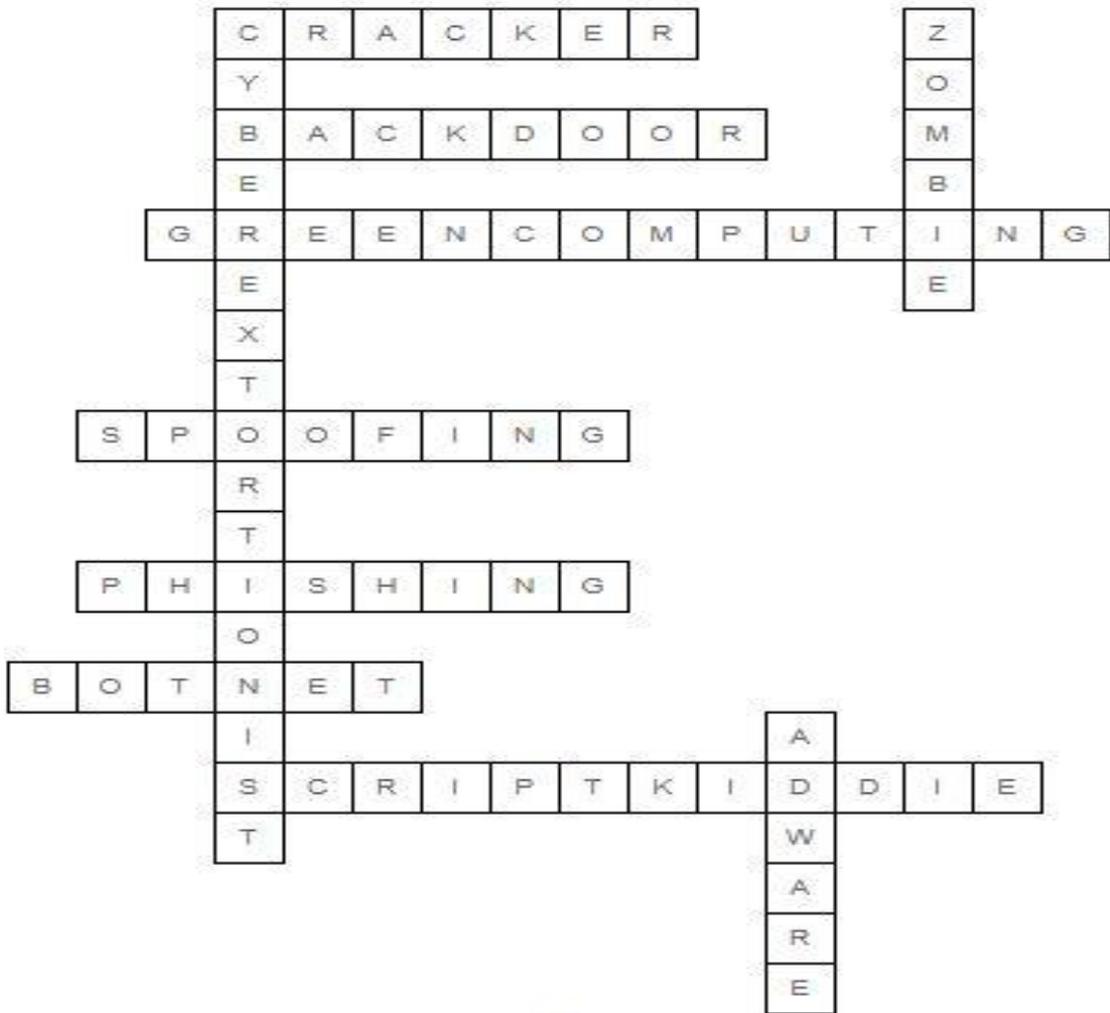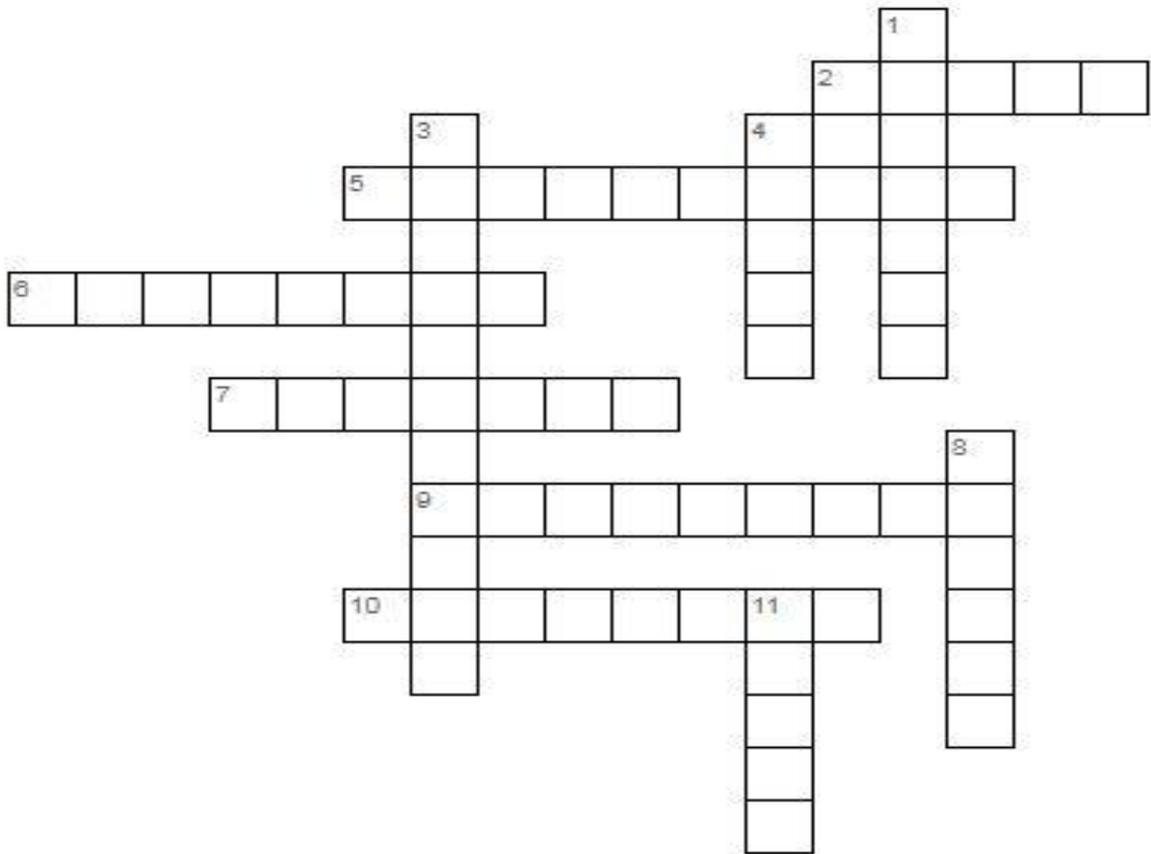
Important Websites

- Shiksha - **shiksha.com** - caters to the educational requirements and queries of students. They can find information on educational institutes, programs, scholarships and admission notifications. The portal is the part of Info Edge India Ltd.

- Pagal Guy - **pagalguy.com** - is India's biggest MBA resources website offering a well frequented forum for applicants from all over the world.

- Recruitment Result - **recruitmentresult.com** - Provides latest Government Department Results and Job Notifications, and help you to Apply for various Recruitment in Bank, Railway, and much more

Crossword

- Solution to the previous issue:

Cross Word

Across

2 a liquid that you can't have around computers
5 put it on our heads to hear noises
6 type on this
7 the big part of computer that makes it run, the screen sits on this
9 We learned to get on this and put pictures and words on this app
10 technology device we get on everyday in computer class

Down

1 where you hands need to start on the keyboard is called the _____
3 a website we use to practice our typing, and computer knowledge
4 we use it to click on things
8 the top part of the computer we see out of
11 You logged onto this and can message your friends through it