

POWER

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTUK

Aditya Nagar, ADB Road, SURAMPalem-533437, Near Kakinada, E.G. Dist., ph: 99498 76662

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ABOUT OUR DEPARTMENT

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni. The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power plants and industries like Reliance, SAIL, HPCL, GMR, GVK, VTPS, Vizag steel plant, ONGC, APGPCL, APEPDCL etc.

The department spares no expense to equip the labs with latest equipment like Three phase AC Integrated Machine, DC Integrated Machine, Wireless Transmission of Electric Power using Tesla Coil and technical software like MATLAB & P-Spice.

VISION OF THE DEPARTMENT

To excel in electrical education, research, and technology in tune with societal needs.

MISSION OF THE DEPARTMENT

MISSION 1 :

Impart quality education and entrepreneur skills.

MISSION 2 :

Provide cutting edge technologies for research and sustainability in collaboration with industry.

MISSION 3:

Nuture professional ethics and lifelong learning in tune with societal needs.



IEEE PROJECT EXPO 2K22

PROJECT EXPO2K22

IEEE Student Branch of Aditya Engineering College(A) organized the Project expo 2k22 in the 2022 in this many student participated by working on different projects related to topics Electrical, Electronics, Communication, computers, etc.. In this project expo students initially registered their names for the competition and then they worked on those projects. On 22 June 2022 all the projects were exhibited at the seminar hall and NETWORKS lab students from all colleges of Aditya Engineering Institutions visited the projects done by the students on various Arduino, Raspberri Pi and other IOT based things. Few projects are based on the communication techniques, In each project the team of 4-6 members explained the students about the concept and working of the project. More than 30 projects were registered and more than 25 projects were completed by that day and are exhibited . In the end the projects were awarded with scores from Principal Dr.M.Sreenivasa Reddy, Dean R&D Dr.K.V.S.Ramachandra murthy, Dean Student affairs Mr.J.D.Venkatesh and Dr.V.Srinivasa Rao Hod Electrical and Electronics Engineering in the end all scores were calculated by the IEEE Student Branch members and prizes were awarded to the winners.

SMART INDIA HACKATHON 2022



**SIH SENIOR
HARDWARE EDITION
GRAND FINALE
- 2K22**

1st RUNNER UP IN SMART INDIA HACKATHON

Smart India hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems which we face in our daily lives and thus inculcate a culture of product innovation and a mindset of problem solving. Smart India Hackathon started in 2017 with only software chapter. Every year they are conducting Smart India Hackathon.

It's a great privilege for our college and department that students from our EEE branch are selected in Smart India Hackathon 2022. In which they were awarded with 2nd prize all over India. There our students worked on a project on Electronic Voting machine (EVM's). Students are supported by the college and branch in their entire period of project. The entire team of students selected in Hackathon are provided with mentor Mr. CH. Govinda sir who took the initiative of mentoring and guiding the team. The team members K. Vinay Kumar, G. Naga Dileep, A. Lakshmi Sanjana, E. Bhanu, V. Mahesh and K. Sanjay. In this project battery is charged with the help of solar panels. Then the battery will supply power to the microcontroller. It will monitor the whole operation. Microcontrollers send the signal given from switches and decide the mode of operation. It's a great idea to students for doing this project. The SIH 2022 Senior Hardware Edition Grand Finale was held in Uttarakhand there students presented their project. Among huge crowd between a hard competition happened and this team got 2nd prize and won a cash prize of Rs 75000/-. This is one of the greatest achievement to our college in national level.

STORY

The Real Struggle

By : T.Lokesh

Most of the time a couple of individual thoughts will rise amount of pain in their hearts.

(Misunderstandings)

Yes! it's a struggle.

Small talks can clear the major disturbances but even before that false assumptions will kill the trust.

(Miscommunications)

Yes! it is a struggle.

I just falling like a raindrop would you catch it in your hands?

Just need a hope to bring back her and ask for a second chance.

(I crave your forgiveness)

Ofcourse a struggle.

Asking her to share about her rage of anger but it leads to create a messy mood.

(Mood swings)

Balancing & reacting to their mood swings is kind of a typical Struggle.

It's not LOve, if you think not to care about your misunderstandings.

It's not LOve, if you are not ready to clear your miscommunications.

It's not LOve, if you don't try to understand to his/her mood swings and reacting for it. It's not LOve, if you ever had a thought of dumping him/her in the middle of your relationship.

A successful relationship comes from having the efforts of real struggle.

'LOve' is'nt just a 4 letter word, At the time of when he/she wants to express the feelings for their beloved ones will be felt it,

So called REAL STRUGGLE

If your struggle is real then your LOve comes to be real.

THE EFFECTS OF LIGHT POLLUTION

Light pollution is a growing environmental concern that is caused by the excessive use of artificial light sources, especially during the night. It is the unintended consequence of human activity, and its effects are becoming more evident in our cities and towns.

One of the most visible effects of light pollution is the brightening of the night sky, which obscures the stars and other celestial objects that would otherwise be visible to the naked eye. This is a significant loss for astronomers, who rely on clear, dark skies to study the universe.

The main cause of light pollution is the excessive and poorly directed use of outdoor lighting. Many buildings and public spaces are illuminated by bright, inefficient lighting that spills light in all directions, including upwards. This upwardly directed light scatters in the atmosphere, creating a diffuse glow that obscures the stars.

The effects of light pollution on the environment and human health are also significant. Many animals, including birds, insects, and sea turtles, rely on darkness to navigate, breed, and forage. Artificial light disrupts these behaviors, often with harmful consequences.

Human health is also affected by exposure to artificial light at night. Exposure to bright light can disrupt sleep patterns, leading to fatigue, decreased performance, and an increased risk of chronic diseases such as obesity, diabetes, and cancer.

The good news is that there are ways to mitigate the effects of light pollution. By adopting best practices in outdoor lighting design and technology, we can reduce the amount of light pollution we produce while still maintaining safe and well-lit environments.

One approach is to use more efficient lighting technology, such as LEDs, which emit light in a more directional and controlled manner. Additionally, lighting should be shielded and directed downwards, reducing the amount of light that is wasted by being directed upwards.

Another effective strategy is to implement lighting curfews and dimming programs. By reducing the amount of lighting during certain hours of the night, we can reduce the amount of light pollution while still maintaining safety and security.

In conclusion, light pollution is a growing environmental problem that is caused by the excessive use of artificial light sources. Its effects on human health, wildlife, and the night sky are significant, but there are ways to mitigate its impact through the use of efficient lighting technology and best practices in outdoor lighting design. By working together to reduce light pollution, we can enjoy darker skies, protect our wildlife, and promote healthier living environments.

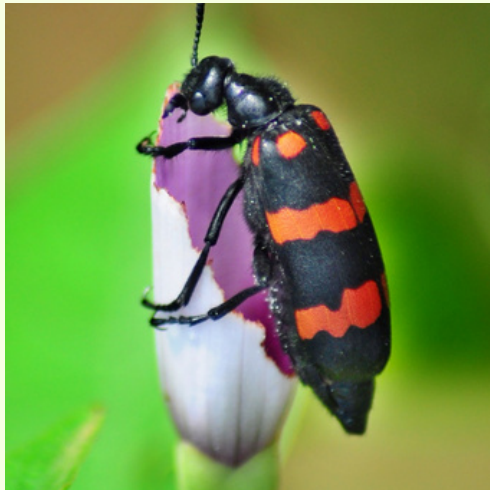


A. LAKSHMI RAVI TEJA

20A91A0252

STUDENT CORNER

PHOTOGRAPHY



S.Kalyani Durga
20A910287



V.G.S.S.N.Lakshman
21A95A0243



A.Lakshmi Ravi Teja
20A91A0252



G.B.Shashank
21A91A0215



V. Satya Srinivas
20A91A0291

ART GALLERY



T.Lokesh

21A95A0221



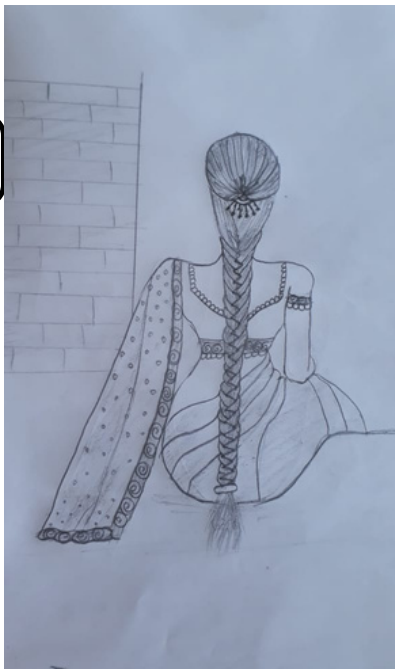
P.S.TSwaroop

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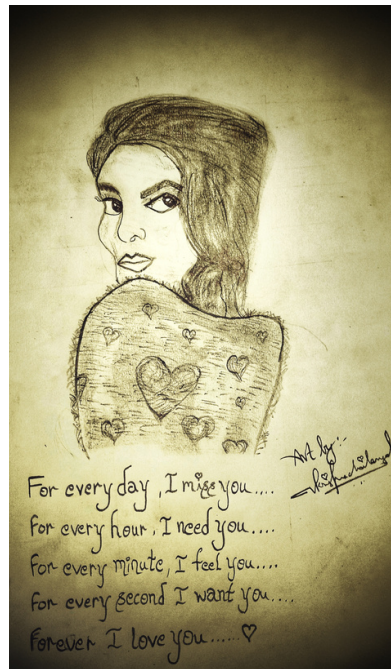
M.Sumanjali

21A95A0217



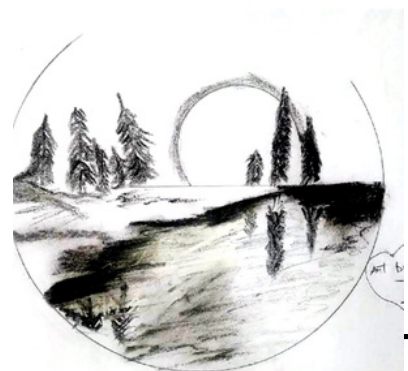
T.JAHNAVI

21A91A0247



T.S.V.K.CHAITANYA

20A91A0289



G.B. SHASHANK

21A91A0215

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Associative Professor

ASSISTANT EDITORS

“

*There is a treasure after facing
the pressure.*

”



A.LAKSHMI RAVI TEJA

20A91A0252



T.JAHNAVI

21A91A0247

“

*Try to be like a rainbow in someones
life.*

”

“

Live with your one peace.

”



S.HAREESHA

21A91A0244



I.S.V.V.RAJKUMAR

21A95A0206

“

*Learning is a journey without any
final destination.*

”