



## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.  
Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Department of  
Electronics and Communication Engineering  
Presents  
&  
In Association with Department Student Association  
PULSE

**2022  
ZROTRIYA**  
A NATIONAL LEVEL TECHNICAL FEST  
*#THINK BEYOND INFINITY*  
JAN 20 & 21

Chairman  
Dr. M. Suman  
(HOD - ECE)

Convenor  
Dr. K. Ch. Sri Kavya  
(Professor - ECE)

Co-Convenor  
Mr. P. Srikanth Reddy  
(incharge pulse)

Student Level

Executive Chief  
M. Sindhu Chowdary  
☎9912216780

Chief Student Coordinator  
Talosila Venkata Teja  
☎8374201592

/pulseklu  
/kl\_zrotriya

## A Report on Zrotriya -22 Department of ECE Technical Fest



## **Koneru Lakshmaiah Education Foundation**

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Date of the Event** : 20-01-2022  
**Name of the Event** : **wifi Pro**  
**Venue** : R106(Lab)  
**No. of Participants** : Students: 35, Staff: 04

### **A Report on Wifi Pro on 20-01-2022**

#### **Objective:**

An wifi pro technical event aims to empower you with the knowledge and skills to manage your home or office wifi network like a pro. Through the workshop, you'll delve into configuring your wifi to perfectly suit your needs. This includes setting up security measures, creating guest networks, implementing parental controls, and prioritizing network traffic (QoS) for optimal performance. Troubleshooting common AWR issues like signal weakness, dropped connections, and interference will also likely be covered.

**Description:** KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “wifi pro” program on 20-01-2022 at R&D 106(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of MR.John Philip , Mr. ch.Sreenivas preetham , this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

**Introduction:** Pulse, the student body of the Electronics and Communication Engineering (ECE) department, hosted an engaging technical event as part of the Zrotriya National Level Technical Fest. Titled " **wifi Pro**" Technical Workshop: Mastering Your Home or Office WiFi Network," the event aimed to equip participants with the knowledge and skills needed to manage their AWR (Advanced Wireless Router) effectively.

**Key Highlights:**

**Comprehensive Guidance:** Participants received comprehensive guidance on configuring AWRs to align with their unique needs and preferences. From enhancing security to optimizing network performance, the workshop covered various aspects of AWR management in detail. Hands-on

**Demonstrations:** Hands-on demonstrations were conducted to provide participants with practical insights into AWR configuration processes. Attendees had the opportunity to interact with AWR interfaces and learn firsthand how to implement security measures, create guest networks, and troubleshoot common issues. Interactive

**Q&A Sessions:** Interactive Q&A sessions encouraged participants to seek clarification on specific AWR-related queries and challenges they faced in managing their networks. Experienced instructors provided insightful responses and practical solutions to address participants' concerns effectively.

**Real-world Scenarios:** The workshop incorporated real-world scenarios to illustrate the relevance and applicability of AWR management techniques. Participants were presented with case studies reflecting common networking challenges encountered in home and office environments, enabling them to apply their newfound knowledge in practical settings.

**Networking Opportunities:** The event provided networking opportunities for participants to connect with peers, exchange ideas, and share experiences related to AWR management. Engaging discussions fostered a collaborative learning environment and encouraged knowledge sharing among participants.

**Conclusion:** The "wifi Pro" Technical Workshop: Mastering Your Home or Office WiFi Network" organized by Pulse during the Zrotriya National Level Technical Fest proved to be an enriching and insightful experience for participants. By equipping attendees with the knowledge and skills to manage AWRs effectively, the workshop empowered them to enhance the security, performance, and reliability of their home or office networks.

**Acknowledgments:** The success of this event owes much to the dedication and efforts of the organizing committee, volunteers, instructors, and participants. Their enthusiasm and commitment played a pivotal role in creating a valuable learning experience for all involved. **Future Prospects:** Pulse remains committed to organizing similar technical workshops and events in the future, catering to the evolving needs and interests of ECE students and enthusiasts. By continuing to explore emerging technologies and trends in the field of electronics and communication

## **Outcome:**

An AWR technical event empowers you to transform your home or office Wi-Fi from frustrating to fantastic. Through the workshop, you'll gain the knowledge to configure your AWR for optimal performance. This includes setting up robust security to safeguard your network, creating guest networks, and implementing parental controls. You'll also learn to prioritize traffic (QoS) for a lag-free experience. But that's not all! The workshop dives into advanced features like beamforming for focused signals, MU-MIMO for handling multiple devices, and mesh networking for expansive coverage. Finally, you'll develop troubleshooting skills to conquer common issues like weak signals and dropped connections. By the end, you'll be a Wi-Fi whiz, ensuring a smooth and reliable network for everyone.

## **Event Photos:**



Here we can observe by the picture that our faculty members were involved in this event and they came front to interview students.

In the below pictures we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it. The pictures are representing the review sessions going on in the event where the students are awarded with marks



S.N	Name of the Volunteer	Univ ID	Dept
1	Bala prasanna gopal volisetty	180040339	ECE
2	MULAGALAPATI SINDHU CHOWDARY	180040349	ECE
3	BOMMISETTY ANANTHA SAI MURALI KRISHNA	180040177	ECE
4	S.Sai Asritha	180040648	ECE
5	Naga sai surya prakash reddy	180040194	ECE
6	Aitha Prathyusha	180040233	ECE
7	Devineni Shree Lakshmi Meenakshi	180040049	ECE
8	Yoshitha J	180040636	ECE
9	K.Vamsi Krishna	180040264	ECE
10	Mudunuri nikhil varma	180040713	ECE
11	Talasila Venkata Teja	180040135	ECE
12	NARAHARI MANIDEEP	180040700	ECE
13	Sudeep Ghosh	180040308	ECE
14	MALLIPEDDI BHANUPRASAD	180049015	ECE
15	Madineni Venkat Chandu	180040726	ECE
16	Abhiram	180040744	ECE
17	Sunkari Bhargavi	180040182	ECE
18	Karpuram Venu	180040639	ECE
19	G.venkatesh	160040251	ECE
20	Perugu.Tharun,Kumar	180020218	ECE
21	B Leeladhar	180040006	ECE
22	K vinessh	180040012	ECE
23	B.Harsha Vardhan	180040018	ECE
24	SIRIGIRI RANGA ROHIT	180040021	ECE
25	Kadapa Kranthi Kiran	180040026	ECE
26	PATNAM KARTHIK	180040027	ECE
27	BQNTHU LOKESH	180040029	ECE
28	Gudala Sai Nikhil	180040034	ECE
29	G.Hema Likhitha	180040041	ECE
30	Bhimireddy Chandana sai	180040043	ECE
31	Kareti Yaswanth Sai	180040044	ECE
32	S.Sai Likhitha	180040048	ECE
33	K.Yamini Prasanna	180040060	ECE
34	Prathyusha Kakara	180040069	ECE
35	GRANDHE PARDHU SIVA SAI RAM KUMAR	180040070	ECE

Gopal  
 Shakti  
 Bommisetty Krishna  
 S. Sai Asritha  
 Prakash  
 P.A.  
 AB-  
 J. Yoshitha  
 Krishna  
 Vamsi  
 Venkata Teja  
 Mani  
 Sudeep Ghosh  
 M. bhanu prasad  
 Chandu  
 AB-  
 W  
 E. Venu  
 Venkatesh  
 Kumar  
 Leeladhar  
 Vinessh  
 Bittarsha Vardhan  
 S. Ranga Rohit  
 Kiran  
 P.A.  
 W  
 G. Sai  
 Likhitha  
 Sai  
 Yaswanth Sai  
 Likhitha  
 K. Yamini Prasanna  
 P. Kakara  
 Raw



## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

<b>Date of the Event</b>	: 20-01-2022
<b>Name of the Event</b>	: Baics OF Electronics
<b>Venue</b>	: R104(Lab)
<b>No. of Participants</b>	: Students: 51, Staff: 04

### **A Report on Basics Of Electronics on 02-02-2022**

#### **Objective:**

The objective of BASICS OF ELECTRONICS was to provide participants with a platform to showcase their proficiency in electrical circuit design, analysis, and troubleshooting, fostering learning, skill development, collaboration, and inspiration within the field of electrical engineering.

**Description:** KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “Basics Of Electronics” program on 02-02-2022 at R&D 104(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of R.Revathi , K.V.Sowmya, this event was very successful.

The outcomes of BASICS OF ELECTRONICS encompassed the recognition of winners for their prowess in electrical circuit design, analysis, and troubleshooting, alongside the enhancement of participants' skills and knowledge in the field. Networking opportunities facilitated valuable connections among enthusiasts, students, educators, and professionals, fostering collaboration and knowledge exchange. Feedback collected from stakeholders aimed at refining future editions, ensuring continual improvement. Moreover, the event served as a source of inspiration and motivation, encouraging participants to pursue further exploration and opportunities within the realm of electrical engineering.

### **Event Photos:**



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round for the students.

In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.





### **Event Structure:**

Basics Of Electronics comprised several competitive rounds designed to test participants' capabilities across different areas of electrical engineering. The event featured challenges ranging from basic circuit design to complex troubleshooting scenarios, ensuring a comprehensive assessment of participants' skills.

**Preliminary Round:** Participants were required to solve theoretical problems related to electrical circuits, demonstrating their understanding of fundamental concepts.

**Design Challenge:** In this round, participants were tasked with designing circuits to meet specific requirements, such as voltage regulation, signal amplification, or frequency filtering. Creativity, efficiency, and adherence to design constraints were key evaluation criteria.

**Simulation Round:** Participants used simulation software to analyze and optimize circuit performance under different conditions. This round tested participants' ability to interpret simulation results and make informed design decisions.

**Troubleshooting Round:** This round presented participants with malfunctioning circuits, and they were required to identify and rectify faults within a stipulated time frame. Effective problem diagnosis, logical reasoning, and swift decision-making were crucial in this round.

**Presentation Round:** Finalists presented their circuit designs, analysis techniques, and problem-solving approaches to a panel of judges. Participants were evaluated based on the clarity of their presentation, depth of understanding, and ability to articulate their ideas effectively.

**Outcome:**

Basics Of Electronics achieved its objective of providing a platform for participants to showcase their skills and knowledge in electrical engineering. The event not only assessed participants' technical proficiency but also encouraged collaboration, as participants exchanged ideas and strategies throughout the competition.

Moreover, Basics Of Electronics fostered a spirit of innovation and creativity by challenging participants to devise efficient solutions to real-world problems. Participants gained valuable insights into the practical application of electrical engineering principles and developed critical thinking skills essential for the field.

**Conclusion:**

Circuitrix 2.0, as part of “Zrotriya” played a pivotal role in promoting excellence in electrical engineering by nurturing talent, encouraging skill development, and fostering a culture of innovation. The event provided participants with a platform to demonstrate their abilities, collaborate with peers, and gain invaluable experience in tackling real-world engineering challenges. Moving forward, initiatives like Basics Of Electronics are essential for nurturing the next generation of electrical engineers and driving technological advancement in the field.

AKula said Bala Siva jyothika	180040099	ECE	A. said Bala siva jyothika
panchayutula sonali	180040104	ECE	sonali
A.Narendra Reddy	180040106	ECE	Reddy.
Gunnam Purna Chandrika	180040108	ECE	<u>CS</u>
Venkat Namana	180040111	ECE	V. namana
Dadi Sri Vandhana	180040114	ECE	Vandhana
TANNEERU SAI BHARGAV	180040146	ECE	Sai Bhargava
M.Namratha	180040148	ECE	Namratha
N.Laya Sree	180040156	ECE	Laya Sree
Hemchand Pidikiti	180040157	ECE	P. Hemchand
Dalali Arif	180040165	ECE	O. Arif
Gembali Durga Narasimha Rahul	180040172	ECE	Rahulu
Stalin Raj Kusuma	180040173	ECE	Reddy.
shaik mohammed junaid	180040176	ECE	<u>CS</u>
B.Ramcharan Teja	180040179	ECE	B. Teja
K.Sravani Annapurna	180040189	ECE	Annapurna
Galla.yamini Lakshmi	180040190	ECE	Lakshmi
Vyshnavi	180040192	ECE	Vyshnavi
Bhavya Tejaswi Manepalli	180040196	ECE	Bhavya
PAILA ANIL SAI JASWANTH	180040198	ECE	P. Anil Sai Jaswanth
SANIKOMMU YOGENDHRAAREDDY	180040199	ECE	S. Yogendra Reddy
PATRI SAI SREEHITH	180040205	ECE	Sreehitha
pasupuleti.srija	180040228	ECE	Reddy.
GEDDADA SAI SANDEEP	180040229	ECE	<u>CS</u>
Tadikamalla V V R N Sri Harsha	180040231	ECE	Harshi
Mudigonda Vamsi Jwala Ramalingeswar	180040239	ECE	Vamsi
MANDADI NIKHILA	180040244	ECE	Nikhila
Maddula Tejasri	180040249	ECE	Tejasri
ADITYA GOKUL REDDY BHIMAVARAPU	180040254	ECE	Aditya
K.Nithya	180040270	ECE	K. Nithya
nemali sri nithya	180040271	ECE	N. Sri Nithya
sripathi.gowthami	180040273	ECE	Gowthami
Sai chaitanya.Nandina	180040275	ECE	Reddy.
jahnavi katte	180040283	ECE	<u>CS</u>
kodali sai sivani	180040290	ECE	K. Sai Sivani
A. Jyothika	180040291	ECE	Jyothika



## **Koneru Lakshmaiah Education Foundation**

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as '**A++**' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Date of the Event** : 21-01-2022  
**Name of the Event** : ERROR DETECT  
**Venue** : R107(Lab)  
**No. of Participants** : Students: 52, Staff: 04

### **A Report on ERROR DETECT**

**on 01-01-2022**

#### **Objective:**

The objective of the ERROR DETECT event centered around fostering innovation and problem-solving within the realm of system-on-chip (SoC) technology. Participants were tasked with identifying, diagnosing, and resolving bugs or issues within complex SoC designs. Through this challenge, the event aimed to cultivate participants' analytical skills, technical proficiency, and teamwork abilities while promoting creativity and ingenuity in addressing real-world SoC challenges.

**Description:** KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “ERROR DETECT” program on 01-01-2022 at R&D 107(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of Mr. I. Veera Raghava Rao, Ms. C.Priyanka, this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

**Organizer:** Pulse - ECE Department Student Body

### **Introduction:**

Pulse, the student body of the Electronics and Communication Engineering (ECE) department, orchestrated an innovative event titled "ERROR DETECT" during the Zrotriya National Level Technical Fest. This event was meticulously crafted with the objective of fostering innovation and problem-solving within the realm of System-on-Chip (SoC) technology.

### **Event Overview:**

ERROR DETECT aimed to challenge participants' analytical skills, technical proficiency, and teamwork abilities through the identification, diagnosis, and resolution of bugs or issues within complex SoC designs. By delving into real-world SoC challenges, the event sought to cultivate creativity and ingenuity among participants while providing a platform for collaborative problem-solving.

### **Key Highlights:**

#### **Challenge Format:**

Participants were presented with intricate SoC designs containing hidden bugs or issues. Their task was to meticulously analyze the designs, identify the anomalies, and devise effective solutions to rectify the detected bugs. The challenge format encouraged participants to employ a combination of theoretical

knowledge, practical expertise, and innovative thinking to overcome obstacles.

### **Team Collaboration:**

The event emphasized the importance of teamwork, as participants worked collaboratively in teams to unravel the complexities of SoC designs. By fostering interdisciplinary collaboration and communication, ERROR DETECT encouraged participants to leverage each other's strengths and perspectives in tackling challenging scenarios.

### **Technical Proficiency:**

ERROR DETECT provided participants with a platform to showcase their technical prowess in SoC design and debugging. Participants utilized state-of-the-art tools and methodologies to analyze and debug complex hardware and software interactions within SoC architectures. The event served as a testament to participants' proficiency in navigating the intricacies of modern electronic systems.

### **Innovation and Creativity:**

Participants were encouraged to think outside the box and explore innovative solutions to address SoC bugs effectively. Through creative problem-solving approaches, participants demonstrated their ability to adapt to dynamic challenges and devise novel strategies for bug resolution. ERROR DETECT served as a catalyst for cultivating a culture of innovation and ingenuity within the ECE community.



## **Conclusion:**

ERROR DETECT emerged as a captivating and intellectually stimulating event, showcasing the prowess of participants in tackling real-world SoC challenges. The event not only honed participants' analytical skills and technical proficiency but also fostered a spirit of teamwork, innovation, and creativity within the ECE community. As technology continues to advance, events like ERROR DETECT play a crucial role in preparing future engineers to tackle the complexities of SoC design and contribute meaningfully to the field of electronics engineering.

## **Acknowledgments:**

The success of ERROR DETECT would not have been possible without the dedicated efforts of Pulse, the ECE department student body, as well as the enthusiastic participation of all attendees. Their collective commitment to excellence and passion for innovation contributed to making ERROR DETECT a memorable and enriching experience for all involved.

## **Future Prospects:**

Moving forward, Pulse is committed to organizing more such events that challenge participants to push the boundaries of innovation and problem-solving in electronic engineering. ERROR DETECT has set a precedent for fostering collaboration, creativity, and technical excellence within the ECE community, and future editions of the event are poised to build upon this foundation and inspire the next generation of electronic engineers.

## **Outcome:**

The outcomes of the ERROR DETECT event culminated in the successful identification and resolution of bugs within various system-on-chip (SoC) designs, showcasing participants' adeptness in problem-solving and technical proficiency. Participants gained valuable hands-on experience in diagnosing and addressing complex SoC issues, furthering their skills and knowledge in this specialized field. Moreover, the event fostered collaboration and teamwork among participants, promoting the exchange of ideas and best practices. The successful resolution of bugs not only contributed to the advancement of SoC technology but also provided participants with a sense of accomplishment and validation of their capabilities within the field.

## **Event Photos:**



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round for the students.





## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Mail to: All faculty**

**Date of the Event** : 21-01-2022  
**Name of the Event** : Knights of NI  
**Venue** : R304A  
**No. of Participants** : Students: 100, Staff: 04

### **A Report on Knights of NI**

**on 06-01-2022**

#### **Objective:**

The objective of the passage is to express gratitude and admiration towards the Knights of NI, individuals who contribute knowledge and insight to online discourse. It aims to highlight their role as guardians of truth and champions of enlightenment in the digital realm, emphasizing their impact in fostering intellectual engagement, curiosity, and the pursuit of knowledge among online communities.

#### **Description:**

In the esteemed Department of ECE at KL Deemed to be University, the "Knights of NI" program unfolded on January 6, 2020, at R&D 304A, commencing at 9:30 AM. Guided by Dr. G. Naveen Kishore and Mr. D. Pardha Saradhi, the event aimed to educate students on basic electronics. Under their expert guidance, students enthusiastically engaged with the provided problem statements, displaying eagerness to learn and participate.

The presence of Mr. P. Srikanth Reddy, Program Coordinator of Pulse KLEF, further enriched the event, contributing to its success.

"Knights of NI" served as a testament to intellectual engagement and the pursuit of

knowledge in the digital age. Participants expressed gratitude towards the organizers for their dedication to fostering enlightenment in online discourse.

### **Guidance and Support:**

The expert guidance provided by Dr. Kishore and Mr. Saradhi played a crucial role in nurturing enthusiasm and facilitating a conducive learning environment. The presence of Mr. P. Srikanth Reddy, Program Coordinator of Pulse KLEF, further enriched the experience, highlighting the importance of community engagement in educational initiatives.

### **Gratitude and Recognition:**

Participants expressed sincere gratitude towards the organizers for their dedication to enlightenment in online discourse, emphasizing the vital role played by individuals in fostering intellectual curiosity and the pursuit of knowledge in the digital age.

### **Outcome:**

The "Knights of NI" event at KL Deemed to be University served as a catalyst for heightened recognition and appreciation of the invaluable contributions made by individuals to online discourse. Through interactive sessions and problem-solving activities, attendees were inspired to engage intellectually, fostering vibrant dialogues and strengthening bonds within online communities. The event emphasized the promotion of positive and respectful discussion norms, encouraging attendees to uphold these standards in their online interactions. By showcasing exemplary behavior and acknowledging the efforts of the Knights of NI, the event served as a source of encouragement for continued contributions, collectively fostering an enriched and constructive digital discourse environment. Moreover, attendees were motivated to actively participate in online discourse, recognizing the significance of their contributions in shaping digital conversations and disseminating knowledge. The event facilitated the formation of supportive networks among participants, fostering collaboration and mentorship opportunities that extend beyond the confines of the program.

### **Event Photos:**

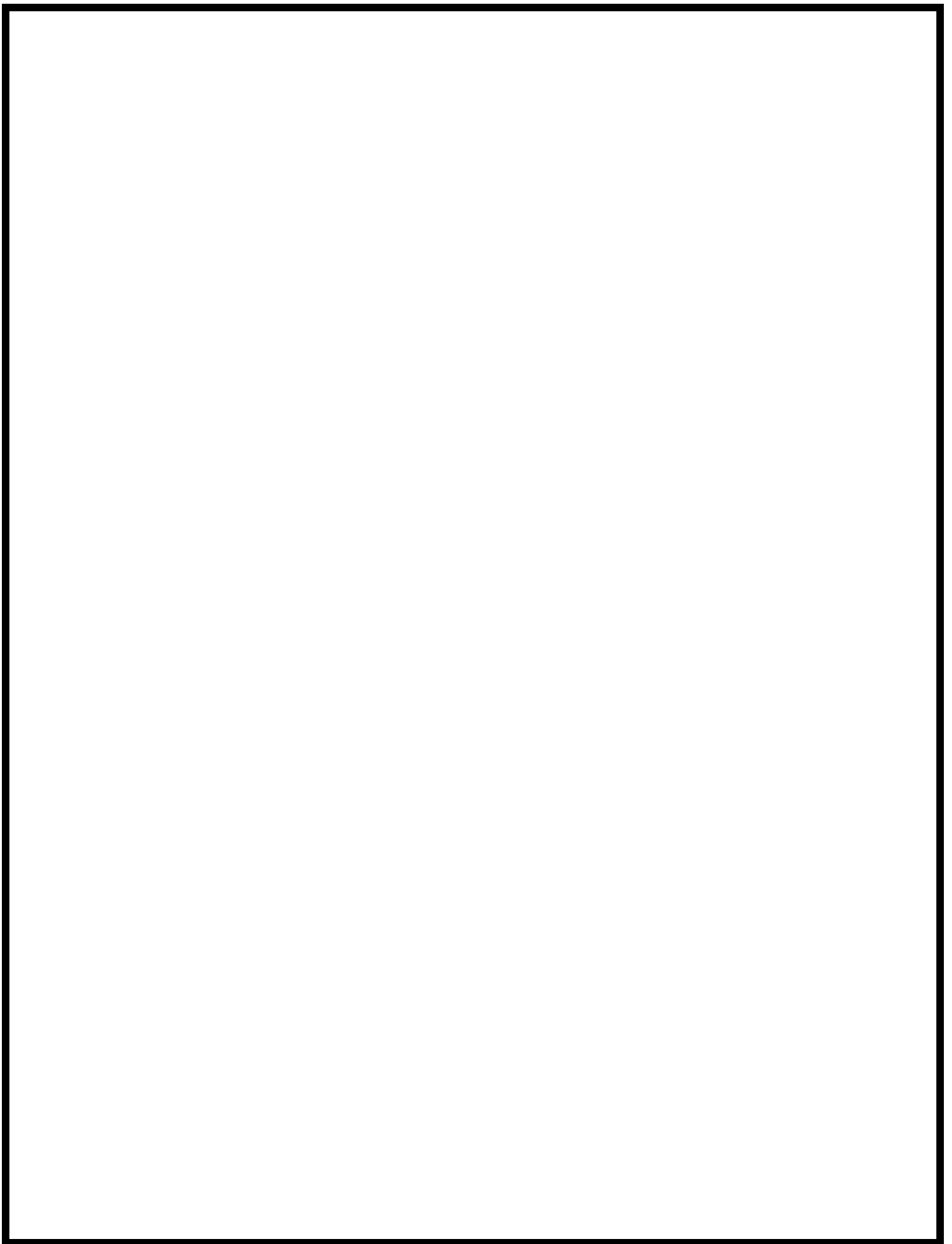


Here we can observe by these two picture that our senior members were involved in this event and they came front to interview and conducted a HR round for the students.

In this picture we made the students as a group as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

### **Conclusion:**

The "Knights of NI" program exemplified a commitment to nurturing intellectual curiosity and fostering a culture of learning. Through collaborative efforts and expert guidance, the event successfully promoted enlightenment and knowledge dissemination in the digital realm.







## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

<b>Date of the Event</b>	: 19-01-2022
<b>Name of the Event</b>	: NI MyDaq WORKSHOP
<b>Venue</b>	: R-6 <sup>TH</sup> FLOOR (Lab)(COE)
<b>No. of Participants</b>	: Students: 40, Staff: 04

### A Report on NI MYDAO on

04-01-2022

#### Objective:

An NI MyDaq workshop aims to equip participants with the skills to utilize National Instruments' MyDaq data acquisition system. The workshop likely provides a hands-on approach, familiarizing attendees with the MyDaq hardware and software, enabling them to configure the system for different data acquisition tasks and effectively interpret the collected measurements.

**Description:** KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “NI MyDaq WORKSHOP” program on 04-01-2022 at R&D 6<sup>th</sup> floor (COE)(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of Dr.P.Pardha saradhi, Mr.Namgiri Suresh, this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

### **Outcome:**

An NI MyDaq workshop offers a valuable learning experience for those interested in data acquisition. Through the workshop, you'll gain hands-on skills in using National Instruments' MyDaq system. This includes learning how to configure the hardware and software to effectively collect data from various sensors and instruments. You'll also delve into methods for analyzing the acquired measurements, allowing you to extract meaningful insights from the data. By the workshop's conclusion, you'll be well-equipped to utilize the MyDaq system for your own data acquisition projects.

### **Event Photos:**



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round for the students.



In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

- Event Coordinator : Dr.Phalguni Singh
- Technical Co Ordinator : Dr Arun mehta

The Zrotriya National Level Technical Fest celebrated the realm of electronics with its flagship event titled "Advancements in Electronics: A Glimpse into the Future." This event was meticulously organized by the Electronics Branch of the fest, aiming to provide participants with insights into cutting-edge developments in electronic technologies.

Event Overview: The event comprised various segments tailored to cater to the diverse interests and knowledge levels of participants. From keynote presentations by industry experts to hands-on workshops and competitive challenges, the event encapsulated the essence of contemporary electronic innovations.

1. Keynote Presentations: Renowned experts from academia and industry delivered keynote addresses, shedding light on emerging trends and future prospects in electronics. Topics ranged from quantum computing and nanotechnology to Internet of Things (IoT) and artificial intelligence (AI) applications in electronics.

2. **Workshops:** Practical workshops were conducted to impart valuable skills and knowledge to participants. Topics included PCB design, embedded systems programming, robotic automation, and 3D printing in electronics manufacturing. These workshops provided attendees with the opportunity to delve into hands-on learning experiences under the guidance of experienced instructors.
  3. **Technical Competitions:** The event hosted a series of technical competitions designed to challenge participants' ingenuity and problem-solving abilities. Contests such as circuit design challenges, robotics competitions, and hackathons tested participants' creativity and technical prowess. Winners were rewarded with accolades and prizes, motivating participants to showcase their best efforts.
  4. **Exhibition:** An exhibition showcasing the latest electronic gadgets, prototypes, and research projects was a major attraction of the event. Participants had the opportunity to interact with exhibitors, explore innovative technologies, and gain insights into real-world applications of electronics.
  5. **Panel Discussions:** Engaging panel discussions were organized on pertinent topics such as sustainable electronics, ethical considerations in technology development, and the future of consumer electronics. These discussions fostered intellectual discourse and encouraged participants to critically analyze the societal impact of electronic advancements.
- Conclusion:** "Advancements in Electronics: A Glimpse into the Future" emerged as a resounding success, captivating the imagination of participants and fostering a spirit of innovation and collaboration. The event not only showcased the latest developments in electronics but also provided a platform for networking, learning, and inspiration.

As technology continues to evolve at a rapid pace, events like these play a pivotal role in shaping the future of electronic engineering and fostering a vibrant ecosystem of technological innovation. **Acknowledgments:** The success of this event would not have been possible without the unwavering support of the organizing committee, volunteers, sponsors, speakers, and participants.

Their collective efforts and enthusiasm contributed to making this event a memorable and enriching experience for all involved. Future Prospects: As the field of electronics continues to evolve, the Zrotriya National Level Technical Fest is committed to organizing more such events to keep pace with the dynamic nature of technology and provide a platform for fostering creativity, collaboration, and excellence in the field of electronics engineering.



## **Koneru Lakshmaiah Education Foundation**

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' ❖ Approved by AICTE ❖ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Date of the Event** : 02-01-2022  
**Name of the Event** : PAPER PRO  
**Venue** : R104(Lab)  
**No. of Participants** : Students: 51, Staff: 04

### **A Report on PAPER PRO**

**on 02-01-2022**

#### **Introduction:**

Zrotriya, a prestigious national-level techno fest, organized by Team Zrotriya, hosted an exhilarating event centered around poster designing. The event aimed to provide a platform for participants to showcase their creativity, innovation, and design skills through visually captivating posters. The PAPER PRO event not only celebrated artistic expression but also encouraged participants to communicate complex ideas effectively through graphic design.

#### **Objective:**

The primary objective of the PAPER PRO event was to foster creativity and innovation among participants while emphasizing the importance of visual communication in conveying technical concepts. By challenging participants to design posters on diverse themes related to science, technology, engineering, and mathematics (STEM), the event aimed to promote interdisciplinary collaboration and inspire novel approaches to problem-solving.



## **Description:**

KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “PAPER PRO” program on 02-01-2022 at R&D 104(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of B Sai Sandeep,G L P Ashok, this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

The outcomes of “**PAPER PRO**” encompassed the recognition of winners for their prowess in electrical circuit design, analysis, and troubleshooting, alongside the enhancement of participants' skills and knowledge in the field. Networking opportunities facilitated valuable connections among enthusiasts, students, educators, and professionals, fostering collaboration and knowledge exchange. Feedback collected from stakeholders aimed at refining future editions, ensuring continual improvement. Moreover, the event served as a source of inspiration and motivation, encouraging participants to pursue further exploration and opportunities within the realm of electrical engineering.

## **Event Photos:**



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round for the students.



In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

Moment was captured in a single frame, encapsulating the essence of the PAPER PRO event. In the photograph, a group of enthusiastic participants is seen engaged in an animated discussion, surrounded by stacks of papers and research materials. The intense expressions on their faces reflect the intellectual fervor and passion for knowledge exchange that permeated the event. With hands gesturing emphatically and minds abuzz with ideas, the participants epitomize the spirit of academic inquiry and collaboration fostered by PAPER PRO. This snapshot serves as a poignant reminder of the profound impact of scholarly endeavors and the transformative power of sharing knowledge within the dynamic milieu of Zrotriya.

## **JUDGES :**

- 1)Dr K. Srinivasa Rao
- 2) Dr.Phani Kishore
- 3)Dr.Rehman
- 4)Dr.K.S.Ramesh

## **Event Structure:**

PAPER PRO comprised several competitive rounds designed to test participants' capabilities across different areas of electrical engineering. The event featured challenges ranging from basic circuit design to complex troubleshooting scenarios, ensuring a comprehensive assessment of participants' skills.

**Preliminary Round:** Participants were required to solve theoretical problems related to electrical circuits, demonstrating their understanding of fundamental concepts.

**Design Challenge:** In this round, participants were tasked with designing circuits to meet specific requirements, such as voltage regulation, signal amplification, or frequency filtering. Creativity, efficiency, and adherence to design constraints were key evaluation criteria.

**Simulation Round:** Participants used simulation software to analyze and optimize circuit performance under different conditions. This round tested participants' ability to interpret simulation results and make informed design decisions.

**Troubleshooting Round:** This round presented participants with malfunctioning circuits, and they were required to identify and rectify faults within a stipulated time frame. Effective problem diagnosis, logical reasoning, and swift decision-making were crucial in this round.

**Presentation Round:** Finalists presented their circuit designs, analysis techniques, and problem-solving approaches to a panel of judges. Participants were evaluated based on the clarity of their presentation, depth of understanding, and ability to articulate their ideas effectively.

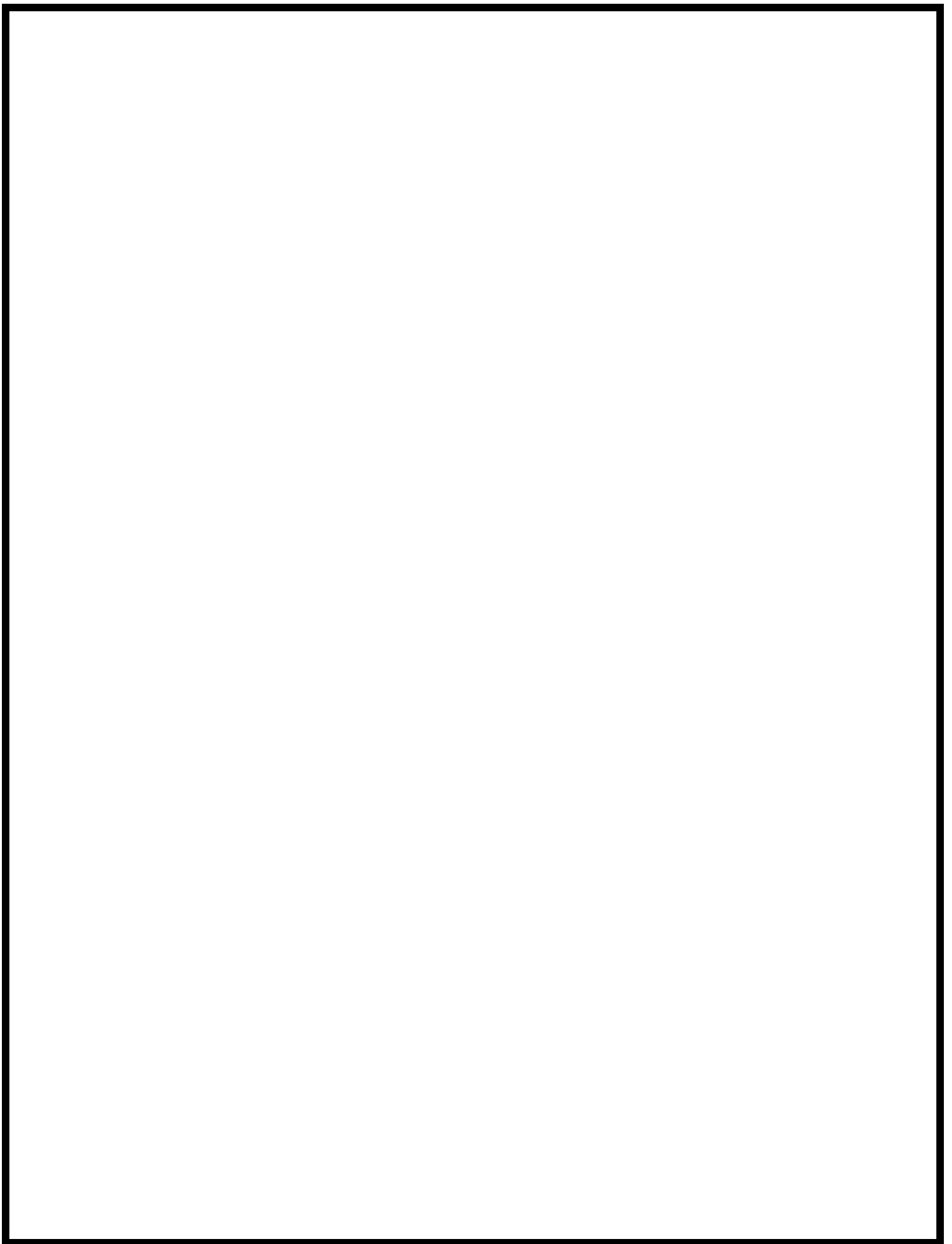
**Outcome:**

PAPER PRO achieved its objective of providing a platform for participants to showcase their skills and knowledge in electrical engineering. The event not only assessed participants' technical proficiency but also encouraged collaboration, as participants exchanged ideas and strategies throughout the competition.

Moreover, PAPER PRO fostered a spirit of innovation and creativity by challenging participants to devise efficient solutions to real-world problems. Participants gained valuable insights into the practical application of electrical engineering principles and developed critical thinking skills essential for the field.

**Conclusion:**

PAPER PRO, as part of “**Zrotriya**” played a pivotal role in promoting excellence in electrical engineering by nurturing talent, encouraging skill development, and fostering a culture of innovation. The event provided participants with a platform to demonstrate their abilities, collaborate with peers, and gain invaluable experience in tackling real-world engineering challenges. Moving forward, initiatives like PAPER PRO are essential for nurturing the next generation of electrical engineers and driving technological advancement in the field.





## **Koneru Lakshmaiah Education Foundation**

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as '**A++**' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Date of the Event** : 06-01-2022  
**Name of the Event** : POSTER PRESENTATION  
**Venue** : R104(Lab)  
**No. of Participants** : Students: 51, Staff: 04

### **A Report on POSTER PRESENTATION**

**on 06-01-2022**

#### **Introduction:**

Zrotriya, a prestigious national-level techno fest, organized by Team Zrotriya, hosted an exhilarating event centered around poster designing. The event aimed to provide a platform for participants to showcase their creativity, innovation, and design skills through visually captivating posters. POSTER PRESENTATION event not only celebrated artistic expression but also encouraged participants to communicate complex ideas effectively through graphic design.

#### **Objective:**

The primary objective of POSTER PRESENTATION was to offer participants an opportunity to present their innovative projects and research endeavors to a wider audience. The event aimed to encourage knowledge sharing, inspire creativity, and recognize outstanding achievements in various fields of technology. Additionally, POSTER PRESENTATION aimed to promote interdisciplinary collaboration and facilitate networking among participants, industry professionals, and academia.



**Description:**

KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “POSTER PRESENTATION ” program on 06-01-2022 at R&D 104(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of K.Sriathi Roy this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

The outcomes of “**POSTER PRESENTATION** ” encompassed the recognition of winners for their prowess in electrical circuit design, analysis, and troubleshooting, alongside the enhancement of participants' skills and knowledge in the field. Networking opportunities facilitated valuable connections among enthusiasts, students, educators, and professionals, fostering collaboration and knowledge exchange. Feedback collected from stakeholders aimed at refining future editions, ensuring continual improvement. Moreover, the event served as a source of inspiration and motivation, encouraging participants to pursue further exploration and opportunities within the realm of electrical engineering.

By challenging participants to design posters on diverse themes related to science, technology, engineering, and mathematics (STEM), the event aimed to promote interdisciplinary collaboration and inspire novel approaches to problem-solving.

## Event Photos:



Here we can observe by these two picture that our Honorable faculty members wereinvolved in this event and they came front to interview and conducted a HR round



In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

Moment was captured in a single frame, encapsulating the essence of POSTER PRESENTATION event. In the photograph, a group of enthusiastic participants is seen engaged in an animated discussion, surrounded by stacks of papers and research materials.

**Event Structure:**

POSTER PRESENTATION featured an array of innovative projects spanning multiple disciplines, including but not limited to computer science, engineering, biotechnology, and sustainability. The event comprised the following components:

**Project Exhibits:**

Participants set up booths to showcase their projects, providing detailed demonstrations and explanations to visitors. The exhibits offered a hands-on experience, allowing attendees to interact with the projects and understand their functionalities.

**POSTER PRESENTATION s:**

In addition to physical exhibits, participants prepared posters summarizing their projects' objectives, methodologies, and outcomes. POSTER PRESENTATION s provided a concise overview of the projects and facilitated discussions among participants and visitors. participants were tasked with designing circuits to meet specific requirements, such as voltage regulation, signal amplification, or frequency filtering. Creativity, efficiency, and adherence to design constraints were key evaluation criteria.

**Technical Talks and Workshops:**

POSTER PRESENTATION featured technical talks and workshops conducted by industry experts and academic scholars. Topics covered a wide range of subjects, including emerging technologies, research methodologies, and career opportunities in various fields.

### **Judging and Awards Ceremony:**

A panel of esteemed judges evaluated the projects based on criteria such as innovation, technical merit, practical applicability, and presentation quality. Winners were recognized and awarded prizes during the closing ceremony, acknowledging their contributions to the technological landscape.

### **Outcomes:**

POSTER PRESENTATION at Zrotriya facilitated knowledge exchange, collaboration, and inspiration among participants and attendees. The event provided a platform for emerging talents to gain visibility, receive feedback, and forge valuable connections within the tech community. Moreover, POSTER PRESENTATION promoted innovation and encouraged participants to explore new frontiers in technology, addressing real-world challenges and driving positive change.

By showcasing a diverse range of projects, POSTER PRESENTATION highlighted the significance of interdisciplinary collaboration and the transformative power of technology in addressing global issues. Participants gained invaluable experience in project management, communication, and problem-solving, fostering their personal and professional development. The intense expressions on their faces reflect the intellectual fervor and passion for knowledge exchange that permeated the event. With hands gesturing emphatically and minds abuzz with ideas, the participants epitomize

POSTER PRESENTATION emerged as a cornerstone event within Zrotriya, encapsulating the essence of innovation, collaboration, and excellence in technology. The event not only celebrated the achievements of participants but also inspired future generations to pursue their passion for technology and make meaningful contributions to society. Moving forward, initiatives like POSTER

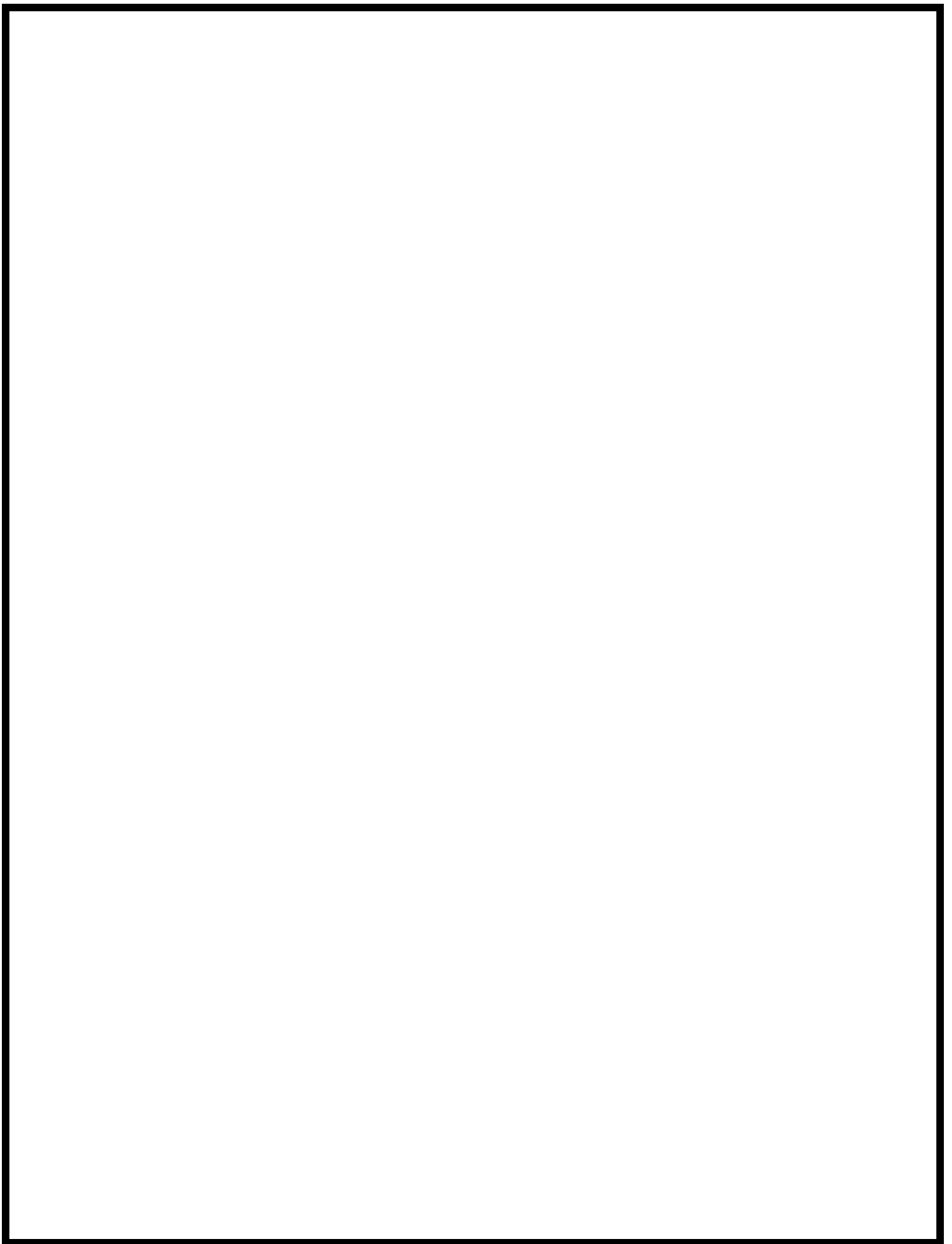
PRESENTATION are instrumental in nurturing talent, fostering innovation, and shaping the future of technology on a global scale.

Moreover, POSTER PRESENTATION fostered a spirit of innovation and creativity by challenging participants to devise efficient solutions to real-world problems. Participants gained valuable insights into the practical application of electrical engineering principles and developed critical thinking skills essential for the field.

**Zrotriya's POSTER PRESENTATION Event:** A dynamic showcase of creativity and innovation, where participants craft visually stunning posters to communicate complex STEM concepts effectively. Empowering participants to unleash their design talents and express their ideas visually through POSTER PRESENTATION event at the national-level techno fest, Zrotriya

**Conclusion:**

POSTER PRESENTATION , as part of “**Zrotriya**” played a pivotal role in promoting excellence in electrical engineering by nurturing talent, encouraging skill development, and fostering a culture of innovation. The event provided participants with a platform to demonstrate their abilities, collaborate with peers, and gain invaluable experience in tackling real-world engineering challenges. Moving forward, initiatives like POSTER PRESENTATION are essential for nurturing the next generation of electrical engineers and driving technological advancement in the field.





## **Koneru Lakshmaiah Education Foundation**

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; [www.klef.ac.in](http://www.klef.ac.in); [www.klef.edu.in](http://www.klef.edu.in); [www.kluniversity.in](http://www.kluniversity.in)

**Admin Off:** 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

**Date of the Event** : 05-01-2022  
**Name of the Event** : PROJECT EXPO  
**Venue** : R104(Lab)  
**No. of Participants** : Students: 51, Staff: 04

### **A Report on PROJECT EXPO**

**On05-01-2022**

#### **Introduction:**

Zrotriya, a prestigious national-level techno fest, organized by Team Zrotriya, hosted an exhilarating event centered around poster designing. The event aimed to provide a platform for participants to showcase their creativity, innovation, and design skills through visually captivating posters. PROJECT EXPO event not only celebrated artistic expression but also encouraged participants to communicate complex ideas effectively through graphic design.

#### **Objective:**

The primary objective of PROJECT EXPO was to offer participants an opportunity to present their innovative projects and research endeavors to a wider audience. The event aimed to encourage knowledge sharing, inspire creativity, and recognize outstanding achievements in various fields of technology. Additionally, PROJECT EXPO aimed to promote interdisciplinary collaboration and facilitate networking among participants, industry professionals, and academia.

**Description:**

KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “PROJECT EXPO ” program on 06-01-2022 at R&D 104(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of K.Sriathi Roy this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.

The outcomes of “**PROJECT EXPO** ” encompassed the recognition of winners for their prowess in electrical circuit design, analysis, and troubleshooting, alongside the enhancement of participants' skills and knowledge in the field. Networking opportunities facilitated valuable connections among enthusiasts, students, educators, and professionals, fostering collaboration and knowledge exchange. Feedback collected from stakeholders aimed at refining future editions, ensuring continual improvement. Moreover, the event served as a source of inspiration and motivation, encouraging participants to pursue further exploration and opportunities within the realm of electrical engineering.

By challenging participants to design posters on diverse themes related to science, technology, engineering, and mathematics (STEM), the event aimed to promote interdisciplinary collaboration and inspire novel approaches to problem-solving.



## Event Photos:



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round



In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

Moment was captured in a single frame, encapsulating the essence of PROJECT EXPO event. In the photograph, a group of enthusiastic participants is seen engaged in an animated discussion, surrounded by stacks of papers and research materials.



### **Event Structure:**

Project Expo featured an array of innovative projects spanning multiple disciplines, including but not limited to computer science, engineering, biotechnology, and sustainability. The event comprised the following components:

### **Project Exhibits:**

Participants set up booths to showcase their projects, providing detailed demonstrations and explanations to visitors. The exhibits offered a hands-on experience, allowing attendees to interact with the projects and understand their functionalities.

### **PROJECT EXPO s:**

In addition to physical exhibits, participants prepared posters summarizing their projects' objectives, methodologies, and outcomes. PROJECT EXPO s provided a concise overview of the projects and facilitated discussions among participants and visitors. participants were tasked with designing circuits to meet specific requirements, such as voltage regulation, signal amplification, or frequency filtering. Creativity, efficiency, and adherence to design constraints were key evaluation criteria.

### **Technical Talks and Workshops:**

Project Expo featured technical talks and workshops conducted by industry experts and academic scholars. Topics covered a wide range of subjects, including emerging technologies, research methodologies, and career opportunities in various fields.

### **Judging and Awards Ceremony:**

A panel of esteemed judges evaluated the projects based on criteria such as innovation, technical merit, practical applicability, and presentation quality. Winners were recognized and awarded prizes during the closing ceremony, acknowledging their contributions to the technological landscape.

### **Outcomes:**

Project Expo at Zrotriya facilitated knowledge exchange, collaboration, and inspiration among participants and attendees. The event provided a platform for emerging talents to gain visibility, receive feedback, and forge valuable connections within the tech community. Moreover, Project Expo promoted innovation and encouraged participants to explore new frontiers in technology, addressing real-world challenges and driving positive change.

By showcasing a diverse range of projects, Project Expo highlighted the significance of interdisciplinary collaboration and the transformative power of technology in addressing global issues. Participants gained invaluable experience in project management, communication, and problem-solving, fostering their personal and professional development. The intense expressions on their faces reflect the intellectual fervor and passion for knowledge exchange that permeated the event. With hands gesturing emphatically and minds abuzz with ideas, the participants epitomize

Project Expo emerged as a cornerstone event within Zrotriya, encapsulating the essence of innovation, collaboration, and excellence in technology. The event not only celebrated the achievements of participants but also inspired future generations to pursue their passion for technology and make meaningful contributions to society. Moving forward, initiatives like Project Expo are instrumental in nurturing talent, fostering innovation, and shaping the future of technology on a global scale.

Moreover, PROJECT EXPO fostered a spirit of innovation and creativity by challenging participants to devise efficient solutions to real-world problems. Participants gained valuable insights into the practical application of electrical engineering principles and developed critical thinking skills essential for the field.

**Zrotriya's PROJECT EXPO Event:** A dynamic showcase of creativity and innovation, where participants craft visually stunning posters to communicate complex STEM concepts effectively. Empowering participants to unleash their design talents and express their ideas visually through PROJECT EXPO event at the national-level techno fest, Zrotriya

**Conclusion:**

PROJECT EXPO , as part of “Zrotriya” played a pivotal role in promoting excellence in electrical engineering by nurturing talent, encouraging skill development, and fostering a culture of innovation. The event provided participants with a platform to demonstrate their abilities, collaborate with peers, and gain invaluable experience in tackling real-world engineering challenges. Moving forward, initiatives like PROJECT EXPO are essential for nurturing the next generation of electrical engineers and driving technological advancement in the field.

G.Chinmai Swaroop	190040155	ECE	-AB
G.Tarun	190040142	ECE	Tarun
Mutnuru Venkata Abhishek	190040354	ECE	Mu
Danda Sai Vijay	190040104	ECE	vijay
Haveela	190040212	ECE	Har
M. Sri Raghavendra Rao	190040492	ECE	M.Sri
Sivalasetty Rajeswari	190040484	ECE	sivalasetty
P. N. Raghavendra Rao Sarma	190040405	ECE	P.N.
Harsha Vardhan Reddy	190040516	ECE	Harsha
Mohankumarthota	190040519	ECE	Moh
Andhavarapu Vamsi	190040024	ECE	Am
Narra Karthikeya	190040608	ECE	Narra
Lakshmi Lahari	190040277	ECE	Lah
Kottakota Chaitanya	190040674	ECE	chaitanya
Tilak Sai Mareedu	190040317	ECE	Tika
K.Sai Siva Sandeep	190040215	ECE	K.Sai
L.Mahitha	190040281	ECE	Mahitha
Swetha Priya Sunkara	190040505	ECE	-AB
Allam Venkata Bindu Bhargav	190040015	ECE	Bindu
Manikanta D	190040308	ECE	Man
M.Lohithkumar	190040314	ECE	M.loh
V.Pranathi	190040554	ECE	Pranathi
K.Anjali	190040192	ECE	K.An
Chaitanya Narra	190040363	ECE	chaitanya
P.Revanth	190040427	ECE	P.Revanth
Koya Jyothi	190040682	ECE	Koya
Maganti Lakshmi Sarvani	190040293	ECE	Sarvani
Mora Asha Deepthi	190040340	ECE	Mora
Veeranki Lavanya	190040550	ECE	lavanya
Jogi Reddy Bethi	190040054	ECE	Bethi
Santhu Vardhan Reddy.P	190040422	ECE	Santh
Manne Madhuri	190040310	ECE	Madhuri
Pathan Nazee	190040398	ECE	-AB
Rayaprolu Lakshman	190040648	ECE	lakshman
Puli.Rajesh	190040651	ECE	Puli
K.Nitheesh	190040259	ECE	K.Nith
Kota Naveen Kumar	190040261	ECE	Naveen
Siva Sai Teja	190040061	ECE	Siva
Naveen Gandham	190040606	ECE	Naveen



## Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

<b>Date of the Event</b>	: 20-01-2022
<b>Name of the Event</b>	: TI WorkShop
<b>Venue</b>	: R104(Lab)
<b>No. of Participants</b>	: Students: 51, Staff: 04

### **A Report on TI WORKSHOP**

**on 02-01-2022**

#### **Objective:**

The objective of TI WORKSHOP was to provide participants with a platform to showcase their proficiency in electrical circuit design, analysis, and troubleshooting, fostering learning, skill development, collaboration, and inspiration within the field of electrical engineering.

**Description:** KL Deemed to be University (Koneru Lakshmaiah Education Foundation) Department of ECE conducted “TI WORKSHOP” program on 02-02-2022 at R&D 104(LAB). We started the event at 9:30AM.

With the intention of educating the students regarding basic electronics, Students are very eagerly learning and were very interested in taking part in their given problem statements.

Under the guidance of N.Durga Indira, Y.Usha Devi, this event was very successful. Mr. P. Srikanth Reddy (Program Coordinator, KLEF PULSE) also took part in the event and together made the event a grand success.



The outcomes of TI WORKSHOP encompassed the recognition of winners for their prowess in electrical circuit design, analysis, and troubleshooting, alongside the enhancement of participants' skills and knowledge in the field. Networking opportunities facilitated valuable connections among enthusiasts, students, educators, and professionals, fostering collaboration and knowledge exchange. Feedback collected from stakeholders aimed at refining future editions, ensuring continual improvement. Moreover, the event served as a source of inspiration and motivation, encouraging participants to pursue further exploration and opportunities within the realm of electrical engineering.

**Event Photos:**



Here we can observe by these two picture that our Honorable faculty members were involved in this event and they came front to interview and conducted a HR round for the students.





In this picture we made the students as a groups as their wish and give a troubleshoot to solve it, meanwhile faculty came to take part in it.

**Event Structure:**

TI WORKSHOP comprised several competitive rounds designed to test participants' capabilities across different areas of electrical engineering. The event featured challenges ranging from basic circuit design to complex troubleshooting scenarios, ensuring a comprehensive assessment of participants' skills.

**Preliminary Round:** Participants were required to solve theoretical problems related to electrical circuits, demonstrating their understanding of fundamental concepts.

**Design Challenge:** In this round, participants were tasked with designing circuits to meet specific requirements, such as voltage regulation, signal amplification, or frequency filtering. Creativity, efficiency, and adherence to design constraints were key evaluation criteria.

**Simulation Round:** Participants used simulation software to analyze and optimize circuit performance under different conditions. This round tested participants' ability to interpret simulation results and make informed design decisions.

**Troubleshooting Round:** This round presented participants with malfunctioning circuits, and they were required to identify and rectify faults within a stipulated time frame. Effective problem diagnosis, logical reasoning, and swift decision-making were crucial in this round.

**Presentation Round:** Finalists presented their circuit designs, analysis techniques, and problem-solving approaches to a panel of judges. Participants were evaluated based on the clarity of their presentation, depth of understanding, and ability to articulate their ideas effectively.

**Outcome:**

TI WORKSHOP achieved its objective of providing a platform for participants to showcase their skills and knowledge in electrical engineering. The event not only assessed participants' technical proficiency but also encouraged collaboration, as participants exchanged ideas and strategies throughout the competition.

Moreover, TI WORKSHOP fostered a spirit of innovation and creativity by challenging participants to devise efficient solutions to real-world problems. Participants gained valuable insights into the practical application of electrical engineering principles and developed critical thinking skills essential for the field.

**Conclusion:**

TI WORKSHOP, as part of “**Zrotriya**” played a pivotal role in promoting excellence in electrical engineering by nurturing talent, encouraging skill development, and fostering a culture of innovation. The event provided participants with a platform to demonstrate their abilities, collaborate with peers, and gain invaluable experience in tackling real-world engineering challenges. Moving forward, initiatives like TI WORKSHOP are essential for nurturing the next generation of electrical engineers and driving technological advancement in the field.

Mutta Venkata Sai Deepak	180040094	ECE
Nadimpalli Sai Kiran	180040096	ECE
Akula said Bala Siva jyothika	180040099	ECE
panchayutula sonali	180040104	ECE
A.Narendra Reddy	180040106	ECE
Gunnam Purna Chandrika	180040108	ECE
Venkat Namana	180040111	ECE
Dadi Sri Vandhana	180040114	ECE
TANNEERU SAI BHARGAV	180040146	ECE
M.Namratha	180040148	ECE
N.Laya Sree	180040156	ECE
Hemchand Pidikiti	180040157	ECE
Dalali Arif	180040165	ECE
Gembali Durga Narasimha Rahul	180040172	ECE
Stalin Raj Kusuma	180040173	ECE
shaik mohammed junaid	180040176	ECE
B.Ramcharan Teja	180040179	ECE
K.Sravani Annapurna	180040189	ECE
Galla.yamini Lakshmi	180040190	ECE
Vyshnavi	180040192	ECE
Bhavya Tejaswi Manepalli	180040196	ECE
PAILA ANIL SAI JASWANTH	180040198	ECE
SANIKOMMU YOGENDHRAAREDDY	180040199	ECE
PATRI SAI SREEHITH	180040205	ECE
pasupuleti.srija	180040228	ECE
GEDDADA SAI SANDEEP	180040229	ECE
Tadikamalla V V R N Sri Harsha	180040231	ECE
Mudigonda Vamsi Jwala Ramalingeswar	180040239	ECE
MANDADI NIKHILA	180040244	ECE
Maddula Tejasri	180040249	ECE
ADITYA GOKUL REDDY BHIMAVARAPU	180040254	ECE
K.Nithya	180040270	ECE
nemali sri nithya	180040271	ECE
sripathi.gowthami	180040273	ECE
Sai chaitanya.Nandina	180040275	ECE
jahnvi katte	180040283	ECE
kodali sai sivani	180040290	ECE
A.Jyothika	180040301	ECE
SHAIK ISMAIL BASHA	180040312	ECE
G.KRISHNAPAVAN	180040318	ECE
A.harsha	180040320	ECE
BODAPATI SAI KRISHNA	180040332	ECE

MUS: Deepa  
M. Sai Kiran  
A. said Bala siva jyothika  
Sonali  
Rut.  
W.  
V. Narayana  
W.  
Sree bhargava  
Nad  
Kaffi Sree  
P. Hemachand  
D. Arif  
Rahul.  
Rut.  
W.  
B. Teja  
Sh  
- AS  
- AS  
Bhavya Tejaswi  
P. Anil Sai jaswanth  
S. yogendhra reddy  
Sreeth  
Rut.  
W.  
TVVRP. Harsha  
Ramarin  
M. Nithya  
Tej  
Aditya Gokul Reddy.  
K. Nithya  
n. sai nithya  
sripathi  
Rut.  
W.  
K. Sai  
Jyothi  
W.  
Harsha  
B. Sai Krishna

Culturals :



*P. J. Jeyaraj*  
Convenor

*M. Jeyaraj*  
Head of the Department