

**DEPARTMENT OF  
COMPUTER SCIENCE AND  
ENGINEERING  
Report on  
STRIDES  
EPROZYNE 2K24**

**PRAGATI ENGINEERING COLLEGE**  
(AUTONOMOUS)  
APPROVED BY AICTE, PERMANENTLY AFFILIATED TO JNTUK, KAKINADA, ACCREDITED BY NBA, NAAC WITH 'A' GRADE

**REGISTRATION FREE**  
[HTTPS://EPROZYNE2K24.NETLIFY.APP/](https://eprozyne2k24.netlify.app/)

**ONLINE MODE**

**PRAGATI TECHNICAL CLUB PRESENTS**  
**STRIDES 2K24**  
**EPROZYNE**

**SCIENCE EXPO**  
CRACK THE  
JUMBLE CODE

**TECH EXPO**

**HACKTHON**  
DEMO ON AI  
TOOLS  
IDEA

**ORGANIZED BY DEPARTMENT OF CSE**  
**2ND MARCH 2024**  
**VENUE: MAIN BLOCK**

**FACULTY COORDINATORS:**  
AVINASH.A,M.TECH(Ph.D)  
CH. MANIKANTA KALYAN, M.TECH

**STUDENT COORDINATORS :**  
M.SRIKAR CHOWDARY(21A31A05B7)  
-7670892393  
P.ANUSHA(21A31A0525)  
-75696 83758

**HEAD OF THE DEPARTMENT:**  
DR.D.V.MANJULA,  
Ph.D

**CHEIF PATRON:**  
Dr.P. KRISHNA RAO  
(CHAIRMAN)

**PATRON:**  
Dr.K.SATYANARAYANA  
(PRINCIPAL)

**CONVENOR:**  
Mr. M . V.RAJESH  
HOD - CSE(DS)



## ***About the EPROZYNE:***

EPROZYNE, a technical event organized by the Department of Computer Science and Engineering (CSE), showcased exceptional innovation and creativity. The event attracted participants from various institutions, fostering a collaborative environment for learning and networking.

The event's success can be attributed to the meticulous planning and dedication of the organizing team, who ensured that attendees gained valuable insights and experiences throughout the program.

This time we are organizing the five technical events under EPROZYNE 2K24 organized by Computer Science and Engineering (CSE) on 02/03/2024. Along with these events one alumni meet through online Program is conducted and event name called corporate dialogue.

The five events are:

- 1. Demo on AI Tools**
- 2. Idea Hackthon**
- 3. Science Expo**
- 4. Crack the jumble code**
- 5. Tech Expo**

This time every engineering branch creates one innovative project model. The model will display on the stride day 1<sup>st</sup> and 2<sup>nd</sup> March 2024.

This year strides 2K24 creates Smart Pragati Hackathon (SPH) event for all Pragati student for two days. This event is based on coding for solving given problem statement. Total 1 teams participated from department of CSE in SP

## **Participations Count for All Events:**

<b>Name of the Event</b>	<b>Within College</b>	<b>Other State Colleges</b>	<b>IIT, NIT, IIIT Colleges</b>	<b>Total</b>
DEMO ON AI TOOLS	110	13	1	124
IDEA HACKTHON	75	15	1	91
SCIENCE EXPO	32	117	36	276
CRACK THE JUMBLE CODE	892	44	2	938
TECH EXPO	53	6	1	60

# EVENT-1

## DEMO ON AI TOOLS

**PRAGATI ENGINEERING COLLEGE**  
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**REGISTRATION FREE**

**STRIDES EPROZYNE 2K24**

**OFFLINE MODE**

ORGANIZED BY DEPARTMENT OF CSE

**DEMO ON AI TOOLS**

EVENT DATE:- MARCH 2ND  
TEAM SIZE :- 2 MEMBERS  
VENUE: BK LAB(F1)

DEPARTMENT COORDINATORS  
**A.AVINASH**, DEPT OF CSE  
**CH. M. KALYAN**, DEPT OF CSE

FACULTY INCHARGE :-  
**D.Uma**, DEPT OF CSE

EVENT COORDINATORS:-  
G . VENKATESH - 8341951043  
R . MURALI SRINIVAS - 7702590510  
M . KESAVA MANIKANTA- 9398361684  
R . SURYA SAI PRASAD - 8309706184

COMPUTER SOCIETY OF INDIA  
ESTD. 1995

CAN I HELP YOU?

**Description:** Demo on Ai tools. AI tools encompass a wide range of software applications and technologies that leverage artificial intelligence (AI) to perform specific tasks or enhance various processes. The landscape of AI tools continues to evolve with advancements in technology and research. Select any application of AI Tools and present it to us.

### Guidelines:

- Topic must be a latest AI tool
- Need to explain about tool features and working functionality
- Participants must show the demo on the AI tool

#### Details of Judge:

Mr P.Seshu Kumar  
Asst. Professor  
Dept of CSE

#### Prize Money:

1st Prize: 2000/-  
2nd Prize: 1000/-.

## **Student Coordinators:**

1)G Venkatesh(8341951043)

2)Murali Srinivas(7702590510)



## **Faculty Coordinators:**

1) D.Uma Assist. Prof.

2) Manas Kumar Y Assist. Prof.



**Photos of Demo on AI Tools event conducted in online and offline.**

**Registered:124**

**Accepted:60**

# Winners

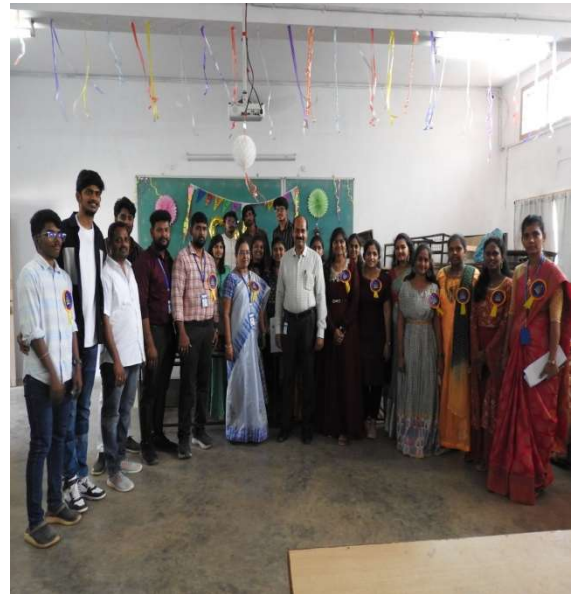
First Prize

**Vallabhasetti Siva Sai Ram**



Second Prize

**Pepakayala Bhavani Sri Alekhya**



# EVENT-2

## IDEA HACKTHON



**PRAGATI ENGINEERING COLLEGE**  
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**STRIDES 2K24**  
**EPROZYNE**  
ORGANIZED BY DEPT. OF CSE

*Invites you to join in*  
**IDEA HACKATHON**  
...WHERE BRILLIANCE MEETS AMBITION

STAND A CHANCE TO WIN EXCITING CASH PRIZES!

EVENT DATE: 2ND MARCH, 2024  
EVENT MODE: BOTH ONLINE & OFFLINE  
TEAM SIZE: 2-4 MEMBERS

DEPARTMENT COORDINATORS  
AVINASH. A, DEPT. OF CSE  
CH. M. KALYAN, DEPT. OF CSE

FACULTY INCHARGE  
A. HARINI, DEPT. OF CSE

EVENT COORDINATORS  
S. RAJITA: +91 81792 88054  
G. MEGHANA: +91 91821 30321  
S. SRI VIDYA: +91 75690 59609  
D. ISHA: +91 98492 91573

REGISTRATION LINK: [cseideahackathon.netlify.app](https://cseideahackathon.netlify.app)

SCAN & REGISTER FOR FREE!

**Description:** Innovation & Entrepreneurship. Innovation and entrepreneurship are interconnected, with innovative ideas often serving as the foundation for entrepreneurial ventures. Sustainable Technologies include developing eco-friendly products or technologies that contribute to environmental sustainability and Renewable energy solutions, waste recycling innovations, sustainable packaging materials, Health Tech and Innovative ideas. Present us your idea with your preferred suitable platform.

### Guidelines:

- Ideas On Different Technologies
- Innovation and entrepreneurship are interconnected
- Health Tech and Innovative ideas
- waste recycling innovations, sustainable packaging materials

## Details of Judge:

Dr R V S Lalitha

ADITYA UNIVERCITY

## Prize Money:

1st Prize: 2000/-

2nd Prize: 1000/-.

Registered:95

Accepted: 65

## Student Coordinators:

- 1) S.RAJINI (8179288054)
- 2) G MEGHANA(9182130321)

## Faculty Coordinators:

- A. HARINI Assist. Prof.  
P L SATYA Assist. Prof.



Photos of IDEA HACKATHON event conducted in EG-10.

# Winners

## First Prize

N Datta sai Ram



## Second Prize

Yarangula Mohith





# EVENT-3

## SCIENCE EXPO

**PRAGATI ENGINEERING COLLEGE**  
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Approved by AICTE, Permanently affiliated to JNTUK, KAKINADA & Accredited by NBA, NAAC with 'A' Grade

**EPROZYNE**  
**STRIDES 2K24**  
*organised By Dept Of Cse*  
*Invites you to join in*

**SCIENCE EXPO**

Win Prize Money

EVENT TIMING : MARCH 2ND  
TEAM SIZE : 1-4 MEMBERS  
ROOM NO : F16

SCAN & REGISTER FOR FREE NOW!

**DEPARTMENT COORDINATORS**  
AVINASH. A (DEPT OF CSE)  
CH. M. KALYAN (DEPT OF CSE)

**FACULTY INCHARGE**  
G VIJAY KUMAR SIR - 8074454807

**EVENT COORDINATORS**  
K. Anitha - 9182319003  
K. Vinay - 8790169829  
G. Diwakar - 9290057555  
M. Gayatri - 9618571285

Registration Link : <https://cs-scienceexpo.netlify.app>

**Description:** Science expo. Holistic development of rural India by addressing key challenges and enhancing the overall well-being of its residents. Some methodologies like addressing Digital Connectivity, Agricultural Technologies like Precision Farming using IoT sensors, drones, and AI, Block chain in Agriculture and Renewable Energy Biogas Technology, IoT-based Water Monitoring, Rainwater Harvesting, Telemedicine, E-learning Platforms, Virtual Reality (VR) for Training, Smart Infrastructure, Social Media and Community Platform. Present us a model by showcasing your idea to develop the rural India.

### Guidelines:

- Holistic development of rural India
- methodologies like addressing Digital Connectivity
- IoT sensors, drones, and AI
- Block chain in Agriculture and Renewable Energy Biogas Technology

## Details of Judge:

**Dr D K Naidu**

**KL UNIVERCITY**

## Prize Money:

**1st Prize: 2000/-**

**2nd Prize: 1000/-.**

**Registered: 276**

### **Student Coordinators:**

- 1) K Anitha(9182319003)
- 2) K Vinay(8790169829)

**Accepted: 150**

### **Faculty Coordinators:**

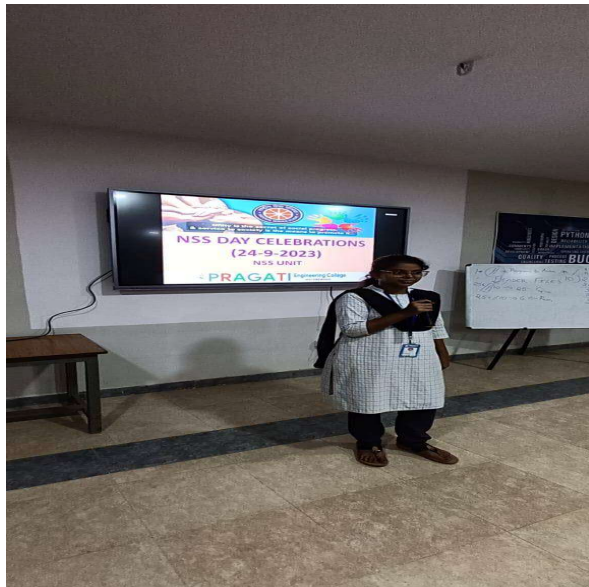
- 1) G Vijay Kumar Assist. Prof.
- 2) V Prem Kumar Assist. Prof.



# Winners

## First Prize

**Adur Karthik**



## Second Prize

**Gudabandi Karun Kumar**



# EVENT-4

## CRACK THE JUMBLE CODE

**PRAGATI ENGINEERING COLLEGE**  
[AUTONOMOUS]  
APPROVED BY AICTE, PERMANENTLY AFFILIATED TO JNTUK, KAKINADA, ACCREDITED BY NBA, NAAC WITH A GRADE

**Event Mode**  
Online & Offline

**REGISTRATION**  
Free

**2024 Strides**  
**EPROZYNE**  
ORGANIZED BY DEPT OF CSE

**CRACK THE JUMBLE CODE**  
DATE :- MARCH 2ND

**REGISTER NOW**

Dept coordinators:  
Avinash.A, Dept of CSE  
Ch.M.Kalyan, Dept of CSE

Event coordinators:  
P.Pradeep (9182568627)  
A.Chandini(6300447882)  
D.Vijay Durga(6300280379)  
N.Greeshmanth(8341554147)

**Description:** Crack the jumble code is coding event in which it comprises of three levels in c programming. With a series of thrilling challenges, you'll dive deep into C Language mastery to sharpen your skills and fuel up your competitive spirit by solving the jumble code in C language by code.

### Guidelines:

- Student must register in the coding website
- After getting question participant must start the coding
- No errors are accepted to submit the code

Registered: 938

### Student Coordinators:

- 1) P Pradeep (9182568627)
- 2) A Chandini (6300447882)



Accepted: 938

### Faculty Coordinators:

- 1) K V V Subba Rao Assist. Prof.
- 2) T N V Durga Assist. Prof.



Judgment

Machine Generated  
judgment

Prize Money:

1st Prize: 2000/-

2nd Prize: 1000/-.

# Winners

## First Prize

Pathi Krishna kanth



## Second Prize

Nulu Bindhu Madhava Srihar



# EVENT-5

## TECH EXPO

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**Strides -2k24**  
**EPROZYNE**  
ORGANISED BY DEPARTMENT OF CSE

**Tech Expo**  
(ROBOTS / DRONES)

**Win Prize Money**

**FREE REGISTER**

**FACULTY EVENT COORDINATOR:**  
K. CHANDRASHEKHAR, DEPT OF CSE

**DEPARTMENT COORDINATORS:**  
AVINASHA, DEPT OF CSE  
CH.M.KALYAN, DEPT OF CSE

**Event on March 2<sup>nd</sup>**  
**Room No: F23**  
**Team size : 2 to 5**

**EVENT COORDINATORS:**  
G.V.V.R.L. PRIYA - 798917821  
P.V. KOWSHIK - 8247863393  
A. CHANDINI - 9052333774  
K. AJAY SAI PRASAN - 944814913

**Description:** Tech expo .Prepare a model of either Drone or Robot by defining its Purpose like aerial photography, surveillance. Define the technical requirements, such as flight time, and range. Choose an appropriate frame, motors, propellers and assemble the frame, attach the motors and propellers, and connect the electronic components and other necessary modules.

### Guidelines:

- Prepare a model of either Drone or Robot
- Define the technical requirements, such as flight time, and range

**Registered: 60**

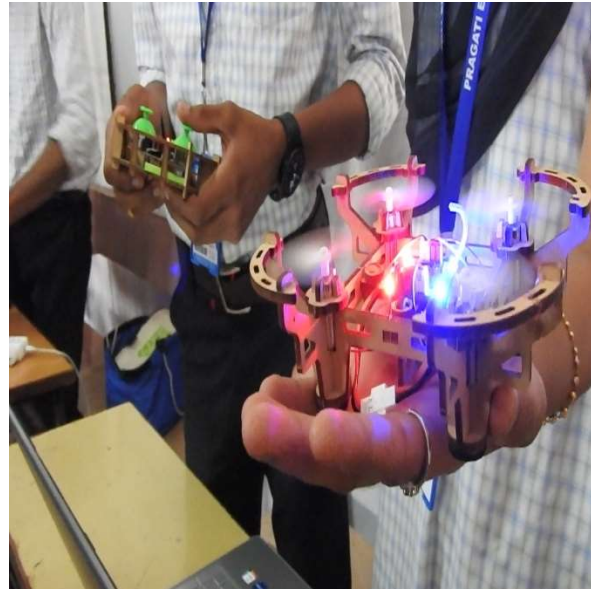
**Accepted: 20**

### Student Coordinators:

- 1)G V V R L Priya(798917821)
- 2)R V Kowshik(8247863393)

### Faculty Coordinators:

- 1)K Chandra Sekhar Assist. Prof.
- 2)D Aiswarya Assist. Prof.



Judgment

Machine Generated  
judgment

**Prize Money:**

**1st Prize: 2000/-**

**2nd Prize: 1000/-.**



# Winners

## First Prize

P.A.R.L.SHARMA



## Second Prize

Sanda Sri Bhavagnitha



# **Corporate Dialogue Event**

## **ALUMNI DETAILS FOR CORPORATE DIALOGUE EVENT**



**Name: N. Praveen Kumar**

**Designation: Senior Full Stack Developer**

**Organization: ISTPL**

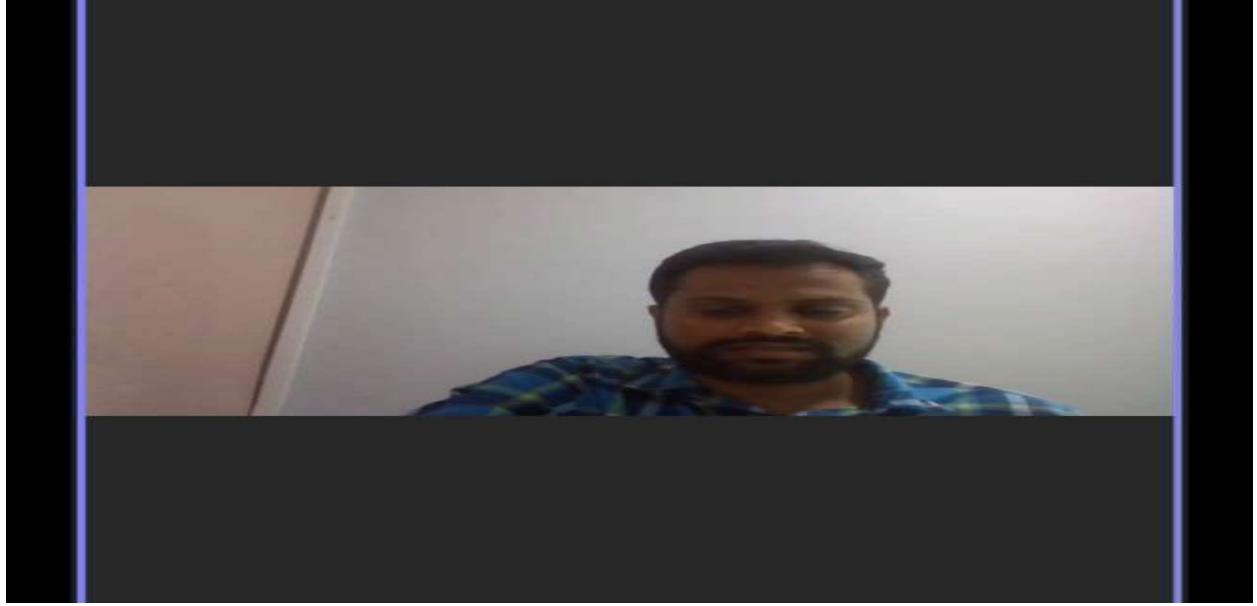
**City: HYDERABAD**

**Online Link:**

**<https://teams.live.com/j/invite/FEAFNgqWLCuOUjn9AE>**

This event conducted in online and all students gathered at S-17 at 2:30PM Dr D V Manjula HOD of CSE welcoming the guest and started conversation about his job and life in Germany. After that Priya of III CSE student given brief introduction about his distinguished alumni and starts the program.

He started his conversation with college life in Pragati. That what he did for getting software job. What struggles he faced for getting job? How much time he spends? Discussed about Present technologies for upcoming software engineers. He always open to give suggestions to his juniors about their jobs in software side. He concludes the session with questions asked by II,III CSE students. Total 72 students presented in this program. Vote of thanks given Priya of Our III CSE student.



**Photos of Corporate Dialogue Event**

# Innovative Model Project

## Title: Rice Quality Testing

**Description:** Check for uniformity in size, shape, and color of the grains. Assess the texture after cooking, looking for stickiness or fluffiness based on the rice type (e.g., long grain, short grain).

These parameters ensure that rice meets both regulatory requirements and consumer expectations regarding quality, safety, and nutritional value. Testing methods vary, with some parameters assessed through visual inspection and others requiring laboratory analysis.

**Explanation:** Rice quality testing software is designed to simplify and standardize the evaluation of various parameters crucial for assessing rice quality. It includes tools for measuring physical characteristics like grain size and color uniformity, analyzing cooking properties such as cooking time and texture, and assessing chemical composition like moisture and protein content. The software aids in compliance with regulatory standards, generates detailed reports, facilitates sensory evaluation, and integrates data from different sources for comprehensive analysis. Its user-friendly interface and customizable features make it an essential tool for rice processors, laboratories, and quality control teams aiming to ensure consistent product quality and safety.

Examples of specific rice quality testing software include systems provided by companies specializing in food testing and quality management solutions. These platforms are tailored to meet the needs of rice processors, laboratories, and regulatory bodies involved in ensuring the quality and safety of rice products.



## Photos of Innovative Model Project

# Smart Pragati Hackathon (SPH) Participants list

**The following four teams participated in SPH program from  
CSE Department**

S.No	Item	Details		
1	<b>Problem Statement Code</b>	SPH – 24 -04		
2	<b>Project Title</b>	A unified portal for developing a model Curriculum for all the AICTE Approved Institutes		
3	<b>Technologies to be used</b>	Stream lit, MySql, Python, GitHub, Wet Designing Tools.		
4	<b>Team Composition</b>	Total 6 Members		
	Roll Number Name Branch Mobile number	Team Leader 21A31A0513 K.venkateswari CSE 7672099257	21A31A0501 - B.Tejasri CSE	21A31A0524 - P.Madhu CSE
	Roll Number Name Branch	21A31A0532 - S.N.Pradeepthi CSE	21A31A0553 - N.Greeshmanth CSE	21A31A04e9 K.Nikitha CSE 9
5	<b>Faculty Guide Name Designation Department Mobile Number</b>	Mr Avinash Asst. Professor CSE 9966979279		



**Photos of Smart Pragati Hackathon (SPH)**

## Other coordinators List for EPROZYNE 2K24

S. No.	Name of the Team	Faculty Coordinators	Student Coordinators
1	Invitation Committee	Mrs.D Uma Mrs.D Aiswarya	S Dinish D S K Tarun
2	Website/Publicity Committee	Mr.K Chandra Sekhar	G Venkatesh R Murali
3	Press	Mr.V Prem Kumar	M Kesava
4	Budget	Mr.Ch M Kalyan	G Priya P Anusha
5	Discipline Committee	Mr.K V V Subbarao  Mr. Senkhar	S Dinish Y Rishi G Kowshik
6	Decoration	Miss.A Harini Mrs.P L Satya	G Meghana S Rajita
7	Documentation	Ch M Kalyan	S Sri Vidya K Anitha Srikar



## **PROZYNE main Coordinators**

### **Student Coordinators:**

**M Srikar Chowdary**

**P Anusha**

### **Faculty Coordinators:**

**Mr.A Avinash Assoc. Prof**

**Mr.Ch Manikanta Kalyan Assist. Prof.**



# Photos of EPROZYNE 2K24







# News Paper Clips of Strides- EPROZYNE 2K24

**నేడు ప్రగతి ఇంజనీరింగ్ కళాశాలలో "స్ట్రైడ్స్ 2024"**  
 గండేపల్లి ఫిబ్రవరి 29 (ప్రభాకవార్):

గండేపల్లి మండలం సూరంపాలెం ప్రగతి ఇంజనీరింగ్ కళాశాలలో రెండు రోజుల కళాశాల టెక్నికల్ ఫెస్ట్ "స్ట్రైడ్స్ 2024" నిర్వహిస్తున్నారని మార్చి ఒకటవ తేదీన ఇ.ఇ.ఇ విభాగం "ఎక్స్ 2024", మెకానికల్ విభాగం "ఎరువైట్ 2024", ఇ.సి.ఇ విభాగం "ఎజైవ్ 2024", సి.ఎస్.డి విభాగం "ఇ-డాటామ 2024", ఐ.టి విభాగం "ఎమిట్రీక్స్ 2వ తేదీన సివిల్ విభాగం "ఎలెవెర్ 2024", సి.ఎస్.ఇ విభాగం "పింప్రోజెన్ 2024", సి.ఎస్.ఎమ్ విభాగం "ఇ-ఆరిస్టాక్ట్ 2024", సి.పి.ఐ విభాగం "ఇ-విగ్నా 2024" లు నిర్వహిస్తున్నారని కళాశాల చైర్మన్ డాక్టర్ పరుచూరి కృష్ణారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఇంజనీరింగ్ విద్యలో విద్యార్థుల యొక్క సాంకేతిక నైపుణ్యాన్ని ప్రదర్శించడానికి ఇటువంటి సాంకేతిక సదస్సులు ఎంతగానో ఉపయోగపడతాయని, ఈ అవకాశాన్ని విద్యార్థినీ, విద్యార్థులు అందరూ ఉపయోగించుకుని తమ ప్రయోగాత్మక పరిజ్ఞానాన్ని ఇతర విద్యార్థులతో పంచుకుంటూ, పెంపొందించుకోవాలని పేర్కొన్నారు.

Date: 01/03/2024, Edition: East Godavari(Rajamahendravaram main), Page: 8  
 Source : <https://epaper.vaartha.com/>



కార్యక్రమాన్ని ప్రారంభిస్తున్న ముఖ్య అతిథులు

**ప్రగతి కళాశాలలో స్ట్రైడ్స్ 2024**  
 ప్రజాశక్తి-గండేపల్లి

మండలం ప్రగతి ఇంజనీరింగ్ కళాశాలలో శుక్రవారం (స్ట్రైడ్స్)-2024 నిర్వహించారు. జెఎన్టీయూకె నుంచి డాక్టర్ ఎం.హెచ్.ఎం కృష్ణ ప్రసాద్ ముఖ్య అతిథిగా పాల్గొన్నారు. స్ట్రైడ్స్-2024 సావనీర్ను ఆయన ఆవిష్కరించారు. ఈ సందర్భంగా కళాశాల చైర్మన్ డాక్టర్ పి.కృష్ణారావు, ముఖ్య అతిథి ఎం.హెచ్.ఎం కృష్ణ ప్రసాద్ మాట్లాడారు. ఇంజనీరింగ్ విద్యలో విద్యార్థుల సాంకేతిక నైపుణ్యాన్ని ప్రదర్శించడానికి ఇటువంటి సాంకేతిక సదస్సులు ఎంతగానో ఉపయోగపడతాయన్నారు. ఈ కార్యక్రమంలో ఎం.వి.హరనాథబాబు, ఎం.సతీష్, జి.నరేష్, వైస్ ప్రిన్సిపల్, వివిధ విభాగాధిపతులు పాల్గొన్నారు.

**Report Prepared by**  
 Ch Manikanta Kalyan, Assist. Prof.

M Srikar Chowdary

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