

# **Two Day National Conference on Emerging Trends in Computational Science and Technology-2023**

**On  
29<sup>th</sup> & 30<sup>th</sup> September, 2023**

**Organized by: Department of Computer Science & Applications (UG & PG)**

A Two-day National Conference on Emerging Trends in Computational Science and Technology was organized by the Department of Computer Science and Applications (UG & PG) on 29-09-2023 and 30-09-2023 @ Reading Room.

## **Objectives:**

- The Conference aims to bring different ideologies under one roof and provide opportunities to exchange ideas face to face, to establish research relations and to find global partners for future collaboration.
- The goal of this conference program is to provide an excellent opportunity for Academicians, Researchers, industrialists and Students to present their research findings in the fields of Machine learning, Deep Learning, Artificial Intelligence, Cloud Computing, Networking, Embedded Systems, and many more.
- NCETCST 2023 highlights on various fields of various streams. Presences and guidance of eminent personalities from colleges, universities as well as Industries is an asset for conference.

## Inaugural Session

**Inviting Dr. V. Narayana Rao, Principal,  
KBN College**



**Inviting Dr. Y. K. Sundarakrishna, Professor,  
Krishna University**



**Inviting Dr. Kiran Kumar, HOD of C.S,  
Krishna University**



**Inviting Dr. Babu Reddy, Professor, Krishna  
University**



**Inviting Dr. Ravi Shankar, Professor, K.L  
University**



**Inviting Sri P.L Ramesh, Vice Pricipal, K.B.N  
College**



## Inaugural Session

**Inviting Dr. Usha Rani**



**Inviting Dr. Indrani**



**Inviting Dr. S. Venkatesh, P.G Director,  
K.B.N College**



**Inviting Convenor M.V.T.Ram Pavan Kumar,  
HOD of M.C.A, K.B.N College**



**Inviting SHAMIM, Assitant Professor, KBN  
College**



**Prayer Song by P.G M.C.A Students**



## Lighting the lamp

Light the lamp by Dr. Y. K. Sundarakrishna,  
Professor, Krishna University



Light the lamp by Dr. S. Venkatesh, P.G Director



Light the lamp by Conference Convener Mr. M.  
V. T. R. Pavan Kumar



Light the lamp by Mrs. Shamim, Assistant  
Professor of M.C.A



**Proceedings Book Release by Dr. Y. K. Sundharakrishna, Professor, Krishna University**



## Speech from Convener M.V.T.R Pavan Kumar, HOD of M.C.A



The goal of this conference program is to provide an excellent opportunity for Academicians, Researchers, industrialists and Students to present their research findings in the fields of Machine learning, Deep Learning, Artificial Intelligence, Cloud Computing, Networking, Embedded Systems, and any more.

NCETCST 2023 high lightens on various fields of various streams.

Presences and guidance of eminent personalities from colleges, universities as well as Industries is an asset for this conference.

The 10 emerging technologies includes Artificial intelligence and machine learning, Deep Learning, Quantum computing., Block chain technology, Internet of Things (IoT), Biometrics, Augmented reality (AR) and virtual reality (VR).

The Objective of this Conference is to create a platform for the Research Scholars, Students and Staff members so that they can expose and explore their knowledge and presentation skills. I would like to congratulate the participants for their enthusiasm who have registered in the Conference. It is a platform where staffs, students from various colleges exhibit their research work in latest technologies. This type of conference motivates the participants to acquire skills for better future.

## DAY-1 Session –I

### Technical Session-1 by Dr. Y.K Sundharakrishna, Professor, Krishna University



### **His Presentation on EMERGING TRENDS IN COMPUTATIONAL SCIENCE & TECHNOLOGY**

He spoke about the following topics

About Nature

Industrial Evaluation

Transformation of Industrial Structure through

New Era of Curriculum



## Session -2

### Technical Session-2 by Dr. M Ravi Shankar, Professor, KL UNIVERSITY GUNUTR



### His Presentation on BIG DATA

Introduction to Big Data

DBMS Different types of languages:

Characteristics of Big Data

Different Types of Data

Applications of Big Data





### Session-3

#### Technical Session-3 by Dr. M Babu Reddy, Assistant Professor Department of Computer Science Krishna University.



#### **His Presentation on Challenges in Traditional and Agile Software Development**

Different Types Of Models

Waterfall Model

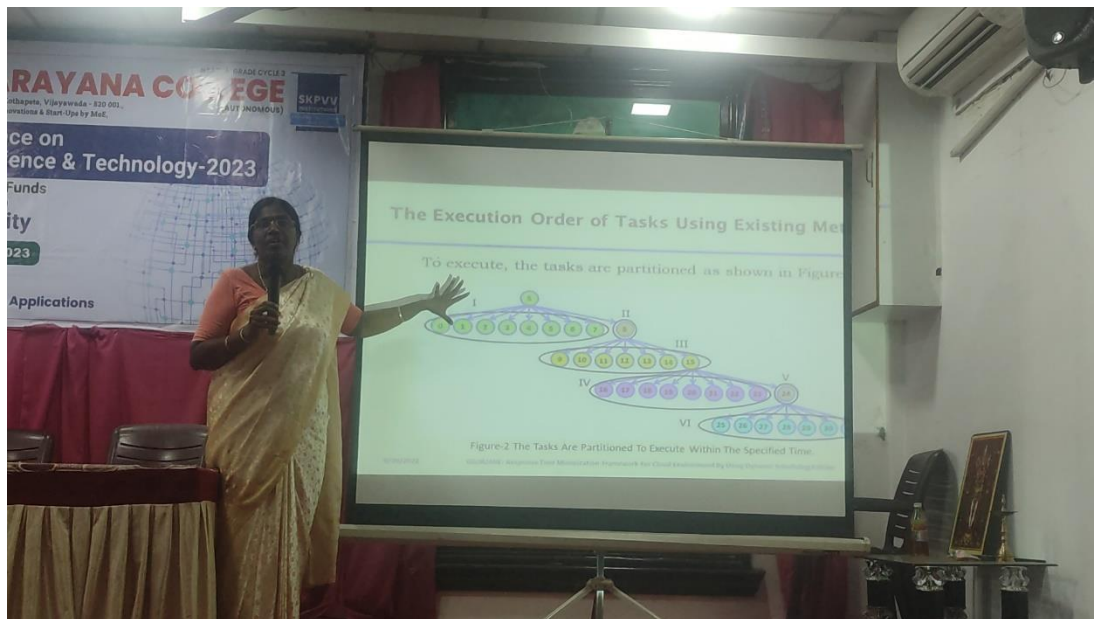
Spiral Model

Prototype Model



## DAY – 1

### Presentation by Dr. George Justy Mirobi on Goerjane: Response time minimization framework for cloud environment by using Dynamic scheduling policies



## DAY -2 SESSION - 1

**Day-2 Technical Session-1 by Dr. R Usha Rani, Professor Dept. Of Computer Science (AI & ML) CVR ENGINEERING COLLEGE HYDERABAD**

### Introduction to AI

These tasks include

- problem-solving,
- learning, reasoning,
- understanding natural language, and
- Recognizing patterns in data.

**AI is divided into several subfields, including:**

- Machine Learning (ML):
- Deep Learning:
- Natural Language Processing (NLP):
- Computer Vision:
- Robotics
- Expert Systems and many more



## SESSION - 2

**Day-2 Technical Session-2 by Dr. D Indira, Professor Dept. Of IT, SR GUDLAVALLERU ENGINEERING COLLEGE**



**Her speech on securing the digital world Responsibility.**

### **Objectives of cyber security**

- Home security, cyber security
- Why security
- Evolution of technology focused on ease of use
- Increasing complicity of computer infrastructure administration and management
- Decreasing skill level needed for exploits
- Increased network environment and network based applications

### **Essential terminology:**

- Threat
- Attack
- Target of evaluation
- Exploit
- Vulnerability

### **Hacker Do:**

- Reconnaissance  
-Active/Passive
- Scanning
- Gaining Access

1. Operating system level/Application level
  2. Network level
  3. Digital of services
- Maintaining access
    - Updating
    - Altering
  - Covering Tracks

Hacking=Programming + common sense + psychology +interest +(depression)

### **Ethical Hacking:**

Employed by companies to perform penetration tests.

Hackers classified into three types.

- Black Hat
- White Hat
- Grey Hat

### **Certification:**

- OSSTMM Professional Security (OPST)
- CISSP is a certification
- Demonstration on phishing using ad phishing/Zphisher tool
- Android phone hacking



## DAY-2 SESSION - 3

### **\*PRESENTATION FROM PARTICIPANT \***

**Ch. Rajya Lakshmi from PB Siddhartha College**



**Her presentation on a comparative study on the innovations of cloud data security.**

#### **Literature review:**

- **Cloud security through encryption**
- **Cloud security through data masking different techniques.**

#### **Algorithm for Obfuscation Techniques:**

Obfuscation techniques are like tricks used in computer programming to hide what the code is doing. It's a bit like writing a secret message that looks like gibberish to anyone who sees it but can still be understood by the computer. People use these tricks to protect their code from being easily understood by others who might want to figure out how it works or copy it.

It's essential to understand that even though obfuscation makes code harder to understand, it's not a perfect defense. Smart people who have the time and tools can still figure out how the code works. So, you shouldn't depend only on obfuscation to protect your important code or ideas. It's better to use additional security methods like controlling who can access the code and encrypting it.

## PRESENTATION FROM PARTICIPANT

Sk. Basheer Ahmed from KBN College



**His presentation on a review on Artificial Intelligence in Pharma Industry.**

### **Introduction:**

In recent years, this technology has become a beacon of Innovation within the pharmaceutical and biotech sectors. It stands as a key ally in addressing the most formidable challenges facing the industry today. Over the past half-decade, AI integration into these fields has fundamentally reshaped drug development,

Disease management strategies and other pivotal endeavors.

### **Artificial Intelligence on Drug Discovery:**

- The traditionally time-consuming process of testing compounds against diseased cells has met a revolutionary ally in artificial intelligence.
- Novartis research teams have harnessed the power of machine learning algorithms to analyse images and predict which untested compounds show promise for further investigation.

### **Tools of AI:**

- Robot Pharmacy
- MEDI Robot
- Erica robot

## VALEDICTORY SESSION

The valedictory session is conducted on the second day and the valedictory address was delivered by **Dr.R.Kiran Kumar Reddy, Head, Dept of Computer Science, Krishna University**. In his address he congratulated the organisers for creating a platform where staff, students from various colleges exhibited their research work in latest technologies. He stated that this type of conference motivates the participants to acquire skills for better future.

The college management felicitated the Chief Guests of Inaugural and Valedictory sessions, Resource persons of technical sessions.





## **Conclusion & Outcome**

- The National Conference on Emerging Trends in Computational Science and Technology was organized by Department of Computer Science and Applications on 29<sup>th</sup> and 30<sup>th</sup> September 2023. The outcome of this conference program has provided an excellent opportunity for Academicians, Researchers, industrialists and Students to present their research findings in the fields of Machine learning, Deep Learning, Artificial Intelligence, Cloud Computing, Networking, Embedded Systems, and any more.
- Presences and guidance of eminent personalities from colleges, universities as well as Industries is an asset for this conference.
- The 10 emerging technologies includes Artificial intelligence and machine learning, Deep Learning, Quantum computing., Block chain technology, Internet of Things (IoT), Biometrics, Augmented reality (AR) and virtual reality (VR).
- The number of participants in this conference: 193

## FELICITATION

Felicitation to Key Note Speaker Dr. Y. K. Sundharakrishna



Felicitation to **Dr. R KIRAN KUMAR**, HOD Dept. Of Computer Science KRISHNA UNIVERSITY



## **FELICITATION**

### **Felicitation to Resource Person Dr. Ravi Shankar, K.L University**



### **Felicitation to Key Note Speaker Dr. Babu Reddy, Professor, Krishna University**



## FELICITATION

**Felicitation to Resource Person Dr. R USHA RANI, Professor, Dept Of CSE ( AI & MI) CVR Engineers College**



**Felicitation to Dr. D Indira, Professor Dept. of IT, Sr Gudlavalleru Engineering College**



## GROUP PHOTO WITH PARTICIPANTS



## CERTIFICATE DISTRIBUTION



## PARTICIPANTS LIST

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2	A STUDY ON THE CYBER ATTACKS AGAINST THE CYBER SECURITY AND ETHICAL HACKING <b>A.PALLAVI SRI SESHU KUMARI, SHAMIM</b>
3	<b>A REVIEW ON PESTICIDES SPRAYING</b> <b>A.SRAVAN JHATHIN, SHAMIM</b>
4	CHEMICAL POLLUTION- DETRIMENTAL IMPACT ON HUMAN HEALTH AND ENVIRONMENT <b>KOLLIPARA SWARUPA RANI</b>
5	CRYPTOGRAPHY AND NETWORK SECURITY <b>A.REVATHI, SHAMIM</b>
6	<b>A STUDY ON NANOTECHNOLOGY IN COMPUTER SCIENCE</b> <b>A.SURESH, SHAMIM</b>
7	NATURAL LANGUAGE PROCESSING USING MACHINE LEARNING <b>B.SRILEKHA, SHAMIM</b>
8	A STUDY OF CYBERS ATTACKS AND CYBER SECURITY <b>BALAGA GANESH, SHAMIM</b>
9	THE NEED OF ETHICAL HACKING <b>BALI AVINASH, SHAMIM</b>
10	THE ROLE OF MACHINE LEARNING IN CYBER SECURITY <b>B.ROOP SAI, SHAMIM</b>
11	APPROXIMATE REASONING AND FUNCTIONAL APPROXIMATION <b>B.RAMYA, SHAMIM</b>
12	A STUDY ON VOICE MORPHING USING DEEP LEARNING <b>B.N.V.S.GUPTHA, SHAMIM</b>
13	MOBILE CLOUD COMPUTING ISSUES AND CHALLENGES <b>B. LAKSHMI PRASANNA KUMARI, SHAMIM</b>
14	ARTIFICIAL NEURAL NETWORK ANALYSIS: ARCHITECTURE, TYPES, AND FORECASTING APPLICATIONS <b>B. ANITHA, SHAMIM</b>
15	A STUDY ON IMAGE SEGMENTATION METHOD FOR IMAGE PROCESSING <b>B.MOHAN, SHAMIM</b>
16	A STUDY ON VARIOUS COMPARISON BASED SORTING ALGORITHMS <b>B.SRINIVASARAO, SHAMIM</b>
17	ENHANCING BIOMEDICAL TEXT MINING WITH BIOBERT: A COMPARATIVE ANALYSIS <b>CH.SATYA VENI, SHAMIM</b>
18	SMART ATM PIN RECOVERY AND SECURED ATM TRANSACTIONS BASED ON FINGERPRINT IDENTIFICATION <b>CH.HARISH, SHAMIM</b>
19	A STUDY ON IMPACT OF SOCIAL NETWORKING SITES ON PRESENT EDUCATION SYSTEM AND ITS COUNTER MEASURES <b>CH. VASANTHA SINDHU, SHAMIM</b>
20	A STUDY ON ONLINE LEARNING PLATFORM EFFECTIVENESS IN VIRTUAL COMMUNICATION <b>CH. ALEKHYA, SHAMIM</b>
21	CLOUD COMPUTING - SECURITY ISSUES <b>CH.LIKHITHA, S.SAVITHRI</b>
22	ADVANCING IOT RELIABILITY: INNOVATIONS IN FAULT TOLERANCE

	AND QUALITY ASSURANCE <b>CH.NIKHITHA, S.SAVITHRI</b>
23	A CLUSTERING METHOD USING THE K-MEANS ALGORITHM <b>CH.LAKSHMAN KUMAR, S.SAVITHRI</b>
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## PERMISSION LETTER FROM APSCHE



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0866-2565679

Email: info@kbncollege.ac.in

**Dr. V. NARAYANA RAO, M.Com., Ph.D.,**  
**PRINCIPAL**

Date: 15.07.2023.

To  
The Registrar,  
Krishna University,  
Machilipatnam.

**Respected Sir,**

Sub: KBN College- Departments of Computer Science and Applications - Two-Day National Conference  
on '**Emerging Trends in Computational Science & Technology, 2023**' - Req. for University  
Collaboration - Reg.

\*\*\*\*\*

With reference to the subject cited above, we are pleased to bring to your kind notice that the Department of Computer Science and Applications of our college is going to organize a **Two-Day National Conference** on "**Emerging Trends in Computational Science & Technology**" on **29<sup>th</sup> & 30<sup>th</sup> September, 2023**. In this regard, we request you to kindly facilitate us with the collaboration letter for which we shall be grateful to you.

Thanking you sir,



Yours faithfully,

*[Signature]*  
**PRINCIPAL**

*15/7/23*  
**PRINCIPAL**

**Kakaraparthi Bhavannarayana College  
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**Mr. P. Samba Siva Rao**  
**Mr. G. Karthik**  
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**Mr. S. Venkateswarlu**

For further Details Contact

**Mr. S. Vasu Ph: 9494759593 | Mr. G. Siva Prasad Ph: 9703376120**



**Inaugural & Key Note Speaker**  
**Dr. Y.K. Sundarakrishna**  
Professor  
Department of Computer Science  
Krishna University



**Day -1 | Technical Session-1**  
**Dr. C. Nagaraju**  
Professor Dept. of C.S.E.,  
Principal,  
YSR Engineering College of YVU  
Yogi Vemana University



**Day -1 | Technical Session-2**  
**Dr. Babu Reddy**  
Assistant Professor  
Department of Computer Science  
Krishna University



**Day -2 | Technical Session-1**  
**Dr. Rella Usha Rani**  
Professor  
Head coordinator CSE (AISAML)  
CVR College of Engineering  
Hyderabad



**Day -2 | Technical Session-2**  
**Dr. D.N.V.S.L.S Indira**  
Professor, Department of IT  
SRGEC College  
Gudlavalluru



**Day -2 | Technical Session-3**  
**Dr. R.Kiran Kumar**  
Associate Professor  
HOD of Department of Computer Science  
Krishna University

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## National Conference on Emerging Trends in Computational Science & Technology-2023

Under UGC-Autonomous Funds

In collaboration with  
**Krishna University**

29<sup>th</sup> & 30<sup>th</sup> September, 2023



Organized by  
**Department of Computer Science & Applications**

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www.kbncollege.ac.in

**About the College**

Kakaraparti Bhavanarayana College is a vivacious outcome of a century old renowned charitable organization, S.K.P.V.V. Hindu High Schools Society with "Tejaswina Vadheethamasthu" as its motto. Since its inception in 1965, it marked an epoch in innovative education, in an academically and economically impoverished area. The college with heightened social imagination and ardent zeal, shone like a lodestar led innumerable students towards the goal of an illustrious life. The ever vibrant college grew by leaps and bounds and has evolved with times. It has been adorned with the Autonomous status by the UGC in the year 2010, and received "Best Laboratory", "Best Academic Achievement", "Best Library", "Best NSS Unit" awards. The College has never rested on its laurels and has been relentlessly raising the bar. It has been reaccredited with "A" Grade by NAAC in 2019.

**About Department**

The Year 1992 is a landmark in the history of KBN college that witnessed the dawn of Department of Computer Science. BCA course was introduced in the college during the academic year 1998-99 Short term Vocational Computer courses have been introduced by this Department in the year 2007 with the permission of Board of Intermediate Education, Andhra Pradesh and these extracurricular courses have become a recognizable feather in the cap of the Department. MCA program was started during the Academic year 2007-2008. M.Sc Data Science Program was started in the academic year 2023-24

**About the Conference**

National Conference on Emerging Trends in Computational Science and Technology (NCETCST-2023) aims to create a common platform for students, academicians, researchers, developers and practitioners to discuss and present various research initiatives, outcomes and their experiences. All have a fair share of exchanging revolutionary ideas, resolving significant issues, and contributing towards inculcating a healthy and co-existent learning system. Which is helpful for connecting and enhancing society's growth. A conference platform is not only to learn new aspects, others perspectives and the latest information, but also a good way of networking. In addition to keeping up with new trends in their fields, conferences are an important way to connect with other professionals. Selected papers will be published in the conference proceedings with ISBN number through the peer review process.

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- ◀ Data Mining and Ware Housing
- ◀ Optics laser and spectroscopy
- ◀ Nano science and Technology
- ◀ Plasma and nuclear physics
- ◀ Cryptography and network security
- ◀ Environmental pollution with chemicals
- ◀ Visual Computing for Autonomous Driving
- ◀ Chemical neuroscience developments
- ◀ Materials in relation to Thermo Electricity
- ◀ IOT
- ◀ Machine Learning
- ◀ Deep Learning
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- ◀ Soft Computing
- ◀ Cloud computing

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**Publications**

Selected papers will be published in ISBN Book and publication charges per paper is ₹ 1000, irrespective of number of authors

Email ID for the submission of the paper  
[kbnccetst@gmail.com](mailto:kbnccetst@gmail.com)

**Important Dates**

- ✦ Manuscript Submission: **1<sup>st</sup> August 2023**
- ✦ Full Paper Submission: **21<sup>st</sup> August 2023**
- ✦ Registration: **28<sup>th</sup> August 2023 – 22<sup>nd</sup> September 2023**

**Registration Fees**

<b>UG / PG Students (Per student)</b>	<b>500 Rs</b>
<b>Faculty and Research Scholars</b>	<b>1000 Rs</b>
<b>Industrialist</b>	<b>2000 Rs</b>

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Branch : One Town, Vijayawada  
IFSC Code : KVBL0001414

**Registration Form link:**  
<https://forms.gle/BHhVnFijJiANdCck6>

**Registration Fees include**

- ✦ Conference kit
- ✦ Conference lunch and refreshment
- ✦ Participation certificate
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**29<sup>th</sup> & 30<sup>th</sup> September, 2023**

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**Dr. Rella Usha Rani**  
Professor  
Head coordinator CSE(AI&ML)  
CVR College of Engineering  
Hyderabad

**Day -2 | Technical Session-2**  
  
**Dr. D.N.V.S.L.S Indira**  
Professor, Department of IT  
SRGEC College  
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**Day -2 | Technical Session-3**  
  
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National Conference on  
Emerging Trends in Computational Science & Technology-2023**

Under UGC-Autonomous Funds In collaboration with  
**Krishna University**

**29<sup>th</sup> & 30<sup>th</sup> September, 2023**

**Inaugural & Key Note Speaker**  
  
**Dr. Y.K.Sundarakrishna**  
Professor  
Department of Computer Science  
Krishna University

**Day -1 | Technical Session-1**  
  
**Dr. C. Nagaraju**  
Professor Dept. of. C.S.E.,  
Principal,  
YSR Engineering College of YVU  
Yogi Vemana University

**Day -1 | Technical Session-2**  
  
**Dr. M. Babu Reddy**  
Assistant Professor  
Department of Computer Science  
Krishna University

Organized by  
Department of Computer Science & Applications

## INVITATION

ISO 9001:2015

NAAC 'A' GRADE CYCLE 3

# KAKARAPARTI BHAVANARAYANA COLLEGE

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A College with Potential for Excellence (CPE), 3.5 Star Rating in Innovations & Start-Ups by MoE,



## Invitation



We Cordially invite you on the occasion of

### **National Conference** on **Emerging Trends in Computational Science & Technology-2023**

In collaboration with  
**Krishna University**

**29<sup>th</sup> & 30<sup>th</sup> September, 2023**



### **Key Note Speaker**

**Dr. Y.K.Sundarakrishna**

Professor

Department of Computer Science

Krishna University

**Organized by**

**Department of Computer Science & Applications**



**NATIONAL CONFERENCE ON EMERGING  
TRENDS IN COMPUTATIONAL SCIENCE AND  
TECHNOLOGY (NCETCST)**



**29<sup>th</sup> & 30<sup>th</sup> SEPTEMBER 2023**

**STAFF DUTIES FOR NATIONAL CONFERENCE**

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<b>Certificates Committee</b>	Ms. Ashiya Begum, Mrs. Shamim, Mrs. Sharmila Mrs. Savithri
<b>Paper Presentations</b>	Mrs. Dr. Justy Mirobi, Mr. Shiva Prasad, Mrs. M Kaladevi, Mr. V Suresh
<b>Registration, Bill Book and Reception Committee</b>	Mrs. Gouthami Devi, Mr. M Santhi Babu, Mrs. Aruna, Mr. S.S.T Sai, Mrs. V Deepa
<b>Hardware Team</b>	Mr. Samba Siva Rao , Mr. Karthik, Mr. Prasad, Mr. Venkat, Mrs. Daiva Kumari, Ms. Sreevani

## DAY-1 PROGRAM SCHEDULE



### NATIONAL CONFERENCE ON EMERGING TRENDS IN COMPUTATIONAL SCIENCE AND TECHNOLOGY (NCETCST)



29<sup>th</sup> & 30<sup>th</sup> SEPTEMBER 2023

#### Day1 (29-09-2023)

Time	Task	Names
9:30 am	Welcome to the Guest	P. Keerthi, MCA Student
9:35 am	Prayer Song	V. Bhanusri & team
9:40 am	Lighting the lamp	By Dignitaries
9: 45 am	Presidents Welcome Address	Dr. V Narayana Rao
10:05 am	Theme of the Event	Sri V T Ram Pavan Kumar
10:10 am	Address by KBN College Secretary & Correspondent	Sri. T Srinivasu
10:20 am	Address by KBN College Vice- Principal Sir	Sri. P.L Ramesh
10: 25 am	Introduction to Chief Guest	P. Keerthi
10.30am - 10:40 am	Message from Key Note Speaker	Dr.Y.K. Sundarakrishna Prof, Dept. of Computer Science Krishna University
10:40 am	Felicitation to Key Note Speaker by Management	
10:50 am	Vote of thanks	P Anuradha, MCA Student
10:50 am to 11: 30 am	KEY NOTE SPEAKER SPEECH	Dr.Y.K. Sundarakrishna Prof, Dept. of Computer Science Krishna University
11:30 am to 12:30 pm	Resource Person	Dr. M Ravi Shankar Associate Professor, Department of CSE, Koneru Lakshmaiah Education Foundation
12:30 pm	A Study on Conceptual Understanding of Next-Generation Sequencing	NCETCST059 M.Vamsi KBN College
1:00 to 2:00 pm	LUNCH	
2:00 pm TO 3:00 pm	Resource Person	Dr.M. Babu Reddy Asst Professor Dept. of Computer Science, Krishna University
3:00 pm to 3:30 pm	Break	

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## DAY-1 PROGRAM SCHEDULE



### NATIONAL CONFERENCE ON EMERGING TRENDS IN COMPUTATIONAL SCIENCE AND TECHNOLOGY (NCETCST)



29<sup>th</sup> & 30<sup>th</sup> SEPTEMBER 2023

#### Day1 (29-09-2023)

3:30 pm to 4:00 pm	Paper Presentation	Dr. George Justy Mirobi Asst. Professor Dept. of MCA KBN College
4:00 pm	Analysis Of Methods And Application In Machine Learning	NCETCST098 Shaik. Ashraf KBN College
4:10 pm	Advancing IoT Reliability: Innovations in Fault Tolerance and Quality Assurance	NCETCST022 CH.NIKHITHA KBN College
4:20 pm	A Review On Artificial Intelligence In Pharma Industry	NCETCST099 Shaik Basheer Ahmed KBN College
4:30 pm	Study of Wireless Communication for Substation Automation	NCETCST113 T.Sai Lakshmi Niharika KBN College
4:40 pm	A Study on Multiple Barcode Detection from an Image in Business System	NCETCST126 V. Gayathri KBN College
4: 50 pm	Exploring the Functionality of You tube's Artificial Intelligence Algorithms	NCETCST066 MD. Gouse Baba KBN College

Organized By Department of Computer Science & Applications  
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## DAY-2 PROGRAM SCHEDULE



### NATIONAL CONFERENCE ON EMERGING TRENDS IN COMPUTATIONAL SCIENCE AND TECHNOLOGY (NCETCST)



29<sup>TH</sup> & 30<sup>TH</sup> SEPTEMBER 2023

#### Day2 (30-09-2023)

Time	Task	Names
9:30 am to 10:30am	Resource Person	Dr.Rella Usha Rani Professor, Dept. of CSE(Ai & MI) CVR College of Engineering Hyderabad
10:30 am to 11:30 am	Resource Person	Dr.D.N.V.S.L.S Indira Professor, Dept. of IT Seshadri Rao Gudlalleru Engineering College
11:30 to 11:50 pm	A Brief Study on Machine Learning Algorithms	NCETCST 071 Dr. K Satya Rajesh HOD, Dept .of Computer Science, Govt. Degree College Bantumilli
11:50 to 12:20 pm	Analysis of GC Content using ML Algorithms	NCETCST152 Dr. F Amul Mary Asst. Professor Dept. of Computers JMJ College
12:20 pm to 12:30 pm	Data protection in Cloud Computing	D. Naga prasanna,A Phani Kumar PB Siddhartha College
12:30pm to 12:40 pm	Big Data in Practice from Applications to Challenges to Future Directions	K bhuvaneswari & Team PB Siddhartha College
12:40 pm to 12:50 pm	Soft Computing Techniques used in cloud load balancing	P Meghana kavya & K Gayathri PB Siddhartha College
12:50 to 1:00 pm	Analysis of cyber security and its corresponding New Technologies	Ch. Sowmya & Team P.B Siddhartha College of Arts and Science
1:00 pm to 2:00 pm	Lunch	
2:00 pm to 2:20 pm	A comparative study on the innovations of cloud data Security	NCETCST 177 Rajya Lakshmi and fathima PB Siddhartha

Organized By Dept. of Computer Science and Applications  
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## DAY-2 PROGRAM SCHEDULE



### NATIONAL CONFERENCE ON EMERGING TRENDS IN COMPUTATIONAL SCIENCE AND TECHNOLOGY (NCETCST)

29<sup>TH</sup> & 30<sup>TH</sup> SEPTEMBER 2023

		College
2:20 pm to 2:40 pm	Enhancing Transportation through Autonomous Vehicles	NCETST 178 Bhavya, Jayamma P.B. Siddhartha College
2:40 to 3:00 pm	Future Technology: A Revolutionary Approach in Internet of Things	NCETCST069 M Neelima KBN College
3:00 pm to 3:10 pm	Exploring Containerization in the Context of Paas Cloud	K. Raja sree, G meghana P B Siddhartha College, NCETCST 179
3:10pm to 3:20 pm	Security Challenges and Measures of IOT Devices and its Network	B.Prasanth & Team P.B Siddhartha College ofArts and Science
3:20pm to 3:30 pm	Arpiori Algorithm Study and its use in Data mining	P. Hemanth Venu & Team P.B Siddhartha College ofArts and Science
3:30 pm to 4:00 pm	<b>BREAK</b>	
4:00 pm	Valedictory Session Resource Person	Dr.R.kiran Kumar HOD, Dept of Computer Science, Krishna University Machilipatnam

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## CERTIFICATE



ISO 9001-2015 CERTIFIED

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### **National Conference on Emerging Trends in Computational Science & Technology-2023**

**Certificate**

This is to certify that Mr./Mrs./Dr. \_\_\_\_\_

Presented / Participated / Published a paper on \_\_\_\_\_ in the

**National Conference on Emerging Trends in Computational Science & Technology-2023** organized by **Department of Computer**

**Science & Applications, K.B.N. College (Autonomous)** in collaboration with **Krishna University** on **29<sup>th</sup> & 30<sup>th</sup> September, 2023.**

*Convenor*

*Principal*



**ఈనాడు**  
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### మార్కులు గమనిస్తేనే ప్రగతి

**చిట్టిసగర్, న్యూస్టుడే :** కంప్యూటర్ రంగంలో వస్తున్న మార్పులను ఎప్పుడోకప్పుడు గమనిస్తూ ముందుకు సాగినప్పుడే ప్రగతి సాధ్యమవుతుందని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్ విభాగం ప్రొఫెసర్ వై.కె.సుందరకృష్ణ అన్నారు. కొత్త పేటలోని కేటీఎన్ కళాశాల, కృష్ణా విశ్వవిద్యాలయం భాగస్వామ్యంతో కంప్యూటర్స్ పైన్స్ రంగంలో వస్తున్న మార్పులు ఆనే అంశంపై జాతీయ సదస్సు శుక్రవారం నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఏ రంగంలో లేని రీతిలో కంప్యూటర్స్ రంగం పదుగులు తీస్తోందన్నారు. ప్రొఫెసర్ ఎం.బాబురెడ్డి మాట్లాడుతూ కంప్యూటర్ రంగంలో అవకాశాలను విద్యార్థులు ఫార్మి స్టాయిలో అందిపుచ్చుకోవాలని చెప్పారు. ప్రీన్సిపల్ వి.నారాయణరావు, వైస్ ప్రీన్సిపల్స్ ఎం.వెంకటేశ్వరరావు, పీ.ఎల్.రమేష్, పీజీ డైరెక్టర్ వెంకటేష్, తదితరులు పాల్గొన్నారు.

**యువత పారిశ్రామికవేత్తలుగా ఎదగాలి**

**చిట్టిసగర్ :** యువత పారిశ్రామికవేత్తలుగా ఎదగాలని, అందుకు



**మాట్లాడుతున్న ప్రొఫెసర్ సుందరకృష్ణ, వేదికపై ఆచార్య బాబురెడ్డి, ప్రీన్సిపల్ నారాయణరావు తదితరులు**

అవసరమైన వైపుబాటలను పెంపొందించుకోవాలని పొట్టి శ్రీరాములు చలవాది మల్లికార్జునరావు ఇంజనీరింగ్ కళాశాల కార్యదర్శి లక్ష్మణస్వామి అన్నారు. కళాశాల విద్యార్థులతో నెక్స్ట్ జెన్ ఇన్ఫోవేషన్ సెంటర్ను శుక్రవారం ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ విద్యార్థులు నూతన పోకడలపై దృష్టి పెట్టాలన్నారు. ప్రాజెక్టు ఎన్ఫోఫోలో విజయం సాధించిన విద్యార్థులకు సగదు బహుమతులు అందించారు. ప్రీన్సిపల్ లక్ష్మీనారాయణ, వైస్ ప్రీన్సిపల్ వేంకటేశ్వరరావు, ఫ్లోరిమెండ్ అధికారి ఎస్.మణిశంకర్, అడ్మినిస్ట్రేషన్ డీన్ విజయదుర్గాప్రసాద్, విభాగాధిపతులు పాల్గొన్నారు.

(c) eenadu

Date : 30/09/2023 EditionName : ANDHRA PRADESH( AMARAVATI NTR ) PageNo : 06

# సాక్షి

### మార్కులను గమనిస్తే ప్రగతి

**వన్కటాన్(విజయవాడపశ్చిమ):** కంప్యూటర్ రంగంలో వస్తున్న మార్పులను గమనిస్తూ ముందుకు సాగినప్పుడే ప్రగతి సాధ్యమవుతుందని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగం ఆచార్యుడు వైకే.సుందరకృష్ణ అన్నారు. కాకరపర్తి భావనారాయణ కళాశాల, కృష్ణా విశ్వవిద్యాలయం భాగస్వామ్యంతో కాలేజీ ప్రాంగణంలో శుక్రవారం 'కంప్యూటర్స్ పైన్స్ రంగంలో వస్తున్న మార్పులు' అంశంపై జాతీయ సదస్సును ప్రారంభించారు.

ఆచార్య సుందరకృష్ణ జ్యోతి ప్రజ్వలన చేసి సదస్సును ప్రారంభించారు. అనంతరం ఆయన మాట్లాడుతూ ప్రపంచంలో కంప్యూటర్స్లో విప్లవాత్మకమైన అభ్యున్నతి కొనసాగుతోందన్నారు. అనేక నూతన అవిష్కరణలు ముందుకు వస్తున్నాయని ఆయన వివరించారు.



**మాట్లాడుతున్న డాక్టర్ వైకే సుందరకృష్ణ**

కళాశాల ప్రీన్సిపాల్ డాక్టర్ నారాయణరావు మాట్లాడుతూ వస్తున్న మార్పులను విద్యార్థులు తెలుసుకోవడానికి పలు కార్యక్రమాలు నిర్వహిస్తున్నామన్నారు. కంప్యూటర్స్ విభాగ మరో ఆచార్యుడు డాక్టర్ బాబూరెడ్డి, వైస్ ప్రీన్సిపాల్స్ పీ.ఎల్ రమేష్, డాక్టర్ వెంకటేశ్వరరావు, పీజీ డైరెక్టర్ వెంకటేష్, తదితరులు పాల్గొన్నారు.

30/09/2023 | Vijayawada(Vijayawada West) | Page : 11  
Source : <https://epaper.sakshi.com/>

# మార్కును గమనిస్తే అభ్యున్నతి సాధ్యం

## ఆచార్య వైకే. సుందరకృష్ణ

వన్టౌన్, సెప్టెంబర్ 29 (ప్రభస్వామ్): కంప్యూటర్ రంగంలో వస్తున్న మార్పులను ఎప్పటికప్పుడు గమనిస్తూ ముందుకు సాగినప్పుడే అభ్యున్నతి సాధ్యమవుతుందని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగ ఆచార్యులు ఆచార్య వైకే సుందరకృష్ణ అన్నారు. కాకరపర్తి భావనారాయణ కళాశాల, కృష్ణా విశ్వవిద్యాలయం భాగస్వామ్యంతో 'కంప్యూటర్స్ సైన్స్ రంగంలో వస్తున్న మార్పులు' అంశంపై జాతీయ సదస్సును ఆ కళాశాల ప్రాంగణంలో శుక్రవారం ప్రారంభించారు. ఈ సందర్భంగా ముఖ్యపక్కగా హాజరైన ఆచార్య సుందరకృష్ణ జోస్యీ ప్రజ్వలన చేసి ఎదస్సును ప్రారంభించారు. అనంతరం ఆయన మాట్లాడుతూ ప్రపంచ వ్యాపితంగా కంప్యూటర్స్ రంగంలో విప్లవాత్మకమైన అభ్యున్నతి కొనసాగుతోందన్నారు. ఏ రంగంలోనూ లేని రీతిలో కంప్యూటర్స్ రంగం పరుగులు తీస్తుందన్నారు. అనేక నూతన ఆవిష్కరణలు ముందుకు వస్తున్నాయని వివరించారు. వాటిని గమనించాలన్నారు. ఆ మార్పుల ద్వారా వచ్చే ప్రగతిని, అవకాశాలను పూర్తి స్థాయిలో అందిపుచ్చుకోవాలన్నారు. తద్వారా భవిష్యత్ను చక్కగా తీర్చిదిద్దుకోవాలని వివరించారు.



మాట్లాడుతున్న ఆచార్య వైకే. సుందరకృష్ణ

సభకు అధ్యక్షత వహించిన కళాశాల ప్రిన్సిపాల్ డాక్టర్ వీ నారాయణరావు మాట్లాడుతూ విద్యార్థుల సర్వతోముఖాభివృద్ధికి వారివారి రంగాల్లో వస్తున్న మార్పులను తెలియజేసేందుకు పలు కార్యక్రమాలను నిర్వహిస్తున్నామన్నారు. వాటిని సద్వినియోగం చేసుకోవాలని సూచించారు. ముఖ్యంగా రెండు రోజుల పాటు జరిగే సదస్సును పూర్తి స్థాయిలో వినియోగించుకోవాలని కోరారు. కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగ మరో ఆచార్యులు డాక్టర్ ఎం బాబురెడ్డి మాట్లాడుతూ కంప్యూటర్స్ రంగంలో వివిధ అంశాల్లో వస్తున్న మార్పులను సభకు వివరించారు. కార్యక్రమంలో వైస్ ప్రిన్సిపాల్స్ పీఎల్ రమేష్, డాక్టర్ ఎం వెంకటేశ్వరరావు, పీజీ డైరెక్టర్ ఎస్ వెంకటేష్, అధ్యాపకులు షమీమ్, పవన్ కుమార్, రవీంద్ర తదితరులు పాల్గొన్నారు.

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# సాక్షి

## నూతన ఆవిష్కరణలతోనే ప్రగతి సాధ్యం

వన్టౌన్(విజయవాడపశ్చిమ): ఏ రంగంలోనైనా నూతన ఆవిష్కరణలను తీసుకొచ్చినప్పుడే ప్రగతి సాధ్యమవుతుందని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగాధిపతి డాక్టర్ ఆర్.కిరణ్ కుమార్ అన్నారు. కాకరపర్తి భావనారాయణ కళాశాల కృష్ణా విశ్వవిద్యాలయం భాగస్వామ్యంతో 'కంప్యూటర్స్ రంగంలో చోటు చేసుకున్న ప్రగతి' అంశంపై నిర్వహించిన జాతీయ సదస్సుకు ముగింపు కార్యక్రమం శనివారం సాయంత్రం జరిగింది. ఈ సందర్భంగా ముఖ్య అతిథిగా హాజరైన డాక్టర్ ఆర్.కిరణ్ కుమార్ మాట్లాడుతూ.. విద్యార్థులు కంప్యూటర్స్ రంగంలో డిగ్రీలు పొందినంత మాత్రాన ఉపాధి అవకాశాలు దరిచేరవన్నారు. ఆయా రంగాల్లో పట్టు సాధించి తమలోని ప్రతిభకు పదును పెడితే అద్భుతమైన అవకాశాలు ఎదురవుతాయని వివరించారు. విద్యార్థులు మారుతున్న పరిస్థితులు, ఆవిష్కరణలపై అవగాహన పెంచుకొని అవసరమైన నైపుణ్యాలను పెంపొందించుకోవాలన్నారు. కార్యక్రమానికి అధ్యక్షత వహించిన కళాశాల ప్రిన్సిపాల్ డాక్టర్ వి.నా



మాట్లాడుతున్న డాక్టర్ కిరణ్ కుమార్

రాయణరావు మాట్లాడుతూ విద్యార్థులు తమతమ రంగాల్లో చోటు చేసుకున్న ప్రగతి, ఆవిష్కరణలపై పట్టు సాధించాలన్నారు. ఈ సందర్భంగా నిర్వహించిన వివిధ పోటీల్లో విజేతలకు అతిథుల చేతుల మీదుగా బహుమతులను అందించారు. కార్యక్రమంలో వైస్ ప్రిన్సిపాల్ పీఎల్ రమేష్, డాక్టర్ ఎం .వెంకటేశ్వరరావు, పీజీ డైరెక్టర్ ఎస్.వెంకటేష్, అధ్యాపకులు షమీమ్, పవన్ కుమార్ రవీంద్ర పాల్గొన్నారు.

# నూతన ఆవిష్కరణలపై దృష్టి పెట్టాలి



మాట్లాడుతున్న కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగాధిపతి కిరణ్ కుమార్

**ప్రజాశక్తి - వన్ టౌన్ :** కంప్యూటర్ రంగ విద్యార్థులు నూతన ఆవిష్కరణలపై దృష్టి పెట్టాలని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగాధిపతి డాక్టర్ ఆర్. కిరణ్ కుమార్ అన్నారు. కాకరపర్తి భావనారాయణ కళాశాల కృష్ణా విశ్వవిద్యాలయం

భాగస్వామ్యంతో 'కంప్యూటర్స్ రంగంలో చోటు చేసుకున్న ప్రగతి' అంశంపై నిర్వహించిన జాతీయ సదస్సుకు ముగింపు కార్యక్రమం శనివారం సాయంత్రం జరిగింది. ఈ సందర్భంగా ముఖ్యఅతిథిగా హాజరైన డాక్టర్ ఆర్ కిరణ్ కుమార్ మాట్లాడుతూ విద్యార్థులు కంప్యూటర్స్ రంగంలో డిగ్రీలు పొందినంత మాత్రాన ఉపాధి అవకాశాలు దరిచేరవన్నారు. ఆయా రంగాల్లో పట్టు సాధించి తమలోని ప్రతిభకు పదును పెడితే అద్భుతమైన అవకాశాలు ఎదురవుతాయని వివరించారు. ప్రపంచ వ్యాపితంగా కంప్యూటర్ రంగంలో విప్లవాత్మకమైన అభ్యున్నతి కొనసాగుతుందన్నారు. యాపత్ ప్రపంచ అభ్యున్నతి కంప్యూటర్ రంగ గమనంపై ముందుకు సాగుతుందన్నారు. ఆ క్రమంలో విద్యార్థులు మారుతున్న పరిస్థితులు, ఆవిష్కరణలపై అవగాహన పెంచుకోని అవసరమైన నైపుణ్యాలను పెంపొందించుకోవాలన్నారు. కార్యక్రమానికి అధ్యక్షత వహించిన కళాశాల ప్రెసిసిపాల్ డాక్టర్ వీ నారాయణరావు మాట్లాడారు.

## విద్యార్థులు నూతన ఆవిష్కరణలపై దృష్టి సారించాలి

**వన్ టౌన్, సెప్టెంబరు 30:** కంప్యూటర్ రంగంలో నూతన ఆవిష్కరణలపై విద్యార్థులు దృష్టి పెట్టాలని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగాధిపతి డాక్టర్ ఆర్.కిరణ్ కుమార్ సూచించారు. కేబీఎన్ కాలేజీ-కృష్ణా విశ్వవిద్యాలయం సంయుక్త నిర్వహణలో కంప్యూటర్ రంగ ప్రగతిపై నిర్వహించిన జాతీయ సదస్సు ముగింపు కార్యక్రమాన్ని శనివారం నిర్వహించారు. ముఖ్య అతిథి కిరణ్ కుమార్ మాట్లాడారు. కంప్యూటర్ రంగంలో విప్లవాత్మక ప్రగతి ఉందన్నారు. నైపుణ్యాలను ఆకళింపు చేసుకోవాలన్నారు. ప్రెసిసిపాల్ డాక్టర్ వి.నారాయణరావు, వైస్ చీఫ్ ప్రెసిసిపాల్స్ డాక్టర్ పీఎల్ రమేష్, డాక్టర్ ఎం.వెంకటేశ్వరరావు, పీజీ డైరెక్టర్ వెంకటేష్, అధ్యాపకులు పాల్గొన్నారు.

# విద్యార్థులు నూతన ఆవిష్కరణలపై దృష్టి పెట్టాలి

**విద్యాధరపురం, న్యూస్ టుడే :** కంప్యూటర్ రంగ విద్యార్థులు నూతన ఆవిష్కరణలపై దృష్టి పెట్టాలని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్స్ విభాగాధిపతి డాక్టర్ కిరణ్ కుమార్ అన్నారు. కేబీఎన్ కళాశాల, కృష్ణా విశ్వవిద్యాలయం సంయుక్తంగా కళాశాల ప్రాంగణంలో శనివారం నిర్వహించిన 'కంప్యూటర్ రంగంలో చోటు చేసుకున్న ప్రగతి' అనే అంశంపై నిర్వహించిన సదస్సులో కిరణ్ కుమార్ మాట్లాడారు. డిగ్రీలు సాధించినంత మాత్రాన ఉపాధి అవకాశాలు లభించవన్నారు. ఆయా రంగాల్లో పట్టు సాధించి ప్రతిభకు పదును పెట్టినప్పుడే ఉన్నతంగా రాణిస్తారన్నారు. ప్రెసిసిపాల్ డాక్టర్ వీ. నారాయణ



మాట్లాడుతున్న డాక్టర్ కిరణ్ కుమార్, వేదికపై నారాయణరావు, రమేష్, వెంకటేశ్వరరావు తదితరులు

రావు, వైస్ ప్రెసిసిపాల్స్ పి.ఎల్. రమేష్, ఎం. వెంకటేశ్వరరావు, పి.జి. డైరెక్టర్ వెంకటేష్, అధ్యాపకులు పి.పీ.ఎం, పవన్ కుమార్ రమేష్ పాల్గొన్నారు.

## రోబోటిక్స్ రంగంలో నూతన ఆవిష్కరణలకు ల్యాబ్ దోహదం

**విద్యాధరపురం, న్యూస్ టుడే :** రోబోటిక్స్ రంగంలో నూతన ఆవిష్కరణలకు ల్యాబ్ దోహదపడతుందని అధ్యక్షులు ల్యాబ్స్ డైరెక్టర్ పవన్ అన్నారు. కొత్తపేటలోని పొట్టి శ్రీరాములు, చలవాది మల్లికార్జునరావు ఇంజనీరింగ్ కళాశాలలో రోబోటిక్స్ ల్యాబ్ ను శనివారం ఆయన ప్రారంభించారు. అనంతరం మాట్లాడుతూ ప్రతిభ, సాంకేతికతను అందిపుచ్చుకోవాలన్నారు. కళాశాల కార్యదర్శి లక్ష్మణ స్వామి, ప్రెసిసిపాల్ డాక్టర్ లక్ష్మీనారాయణ, కోశాధికారి వెంకటేశ్వరరావు, ల్యాబ్ సీఈవో ఆఖిల పాల్గొన్నారు.

Colourful Rangoli by P.G M.C.A Students

