

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

**On
29th & 30th 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 in the college premises.

The main aim of this conference was to bring together leading academicians, researchers, technocrats, practitioners, and students to exchange and share their experiences and research outputs on all aspects of Machine learning, Deep Learning, Artificial Intelligence, Cloud Computing, Networking, Embedded Systems, and many more.

The inaugural session was presided by Dr.V.Narayana Rao, Principal. The key note speaker was Prof. Y.K. Sundara Krishna, Head, Dept of Computer Science, Krishna University. The dais was shared by Sri P.L.Ramesh, Vice-Principal, Sri S.Venkatesh, PG Director, and other Faculty members Sri M.V.R.T Pavan Kumar, Sri P.Ravindra, Smt Shamim.

The Principal along with the Chief Guest started the session by lighting the lamp. The Principal welcomed the participants and congratulated them for being part of this academic gathering.

The Chief guest, Y.K.Sundara Krishna stimulated the participants with his key note address.

The theme of the Seminar is briefed by Sri M.V.T.Ram PavanKumar, Head, PG Dept of Computer Science.

On this occasion, ISBN book and Conference Proceedings were released by the dignitaries.

The technical sessions followed the inaugural session and the main keynote lecture. The two-day conference comprised of six technical sessions.

The Keynote speaker , **Prof Y.K.Sundara Krishna** ,in his address, explored the role of technology in nature , transformation of industrial structure through Artificial Intelligence, IoT, Big Data etc.

Dr. M Babu Reddy, Assistant Professor, Department of Computer Science, Krishna University

explained the impact of changing trends in technology and the Challenges in Traditional and Agile Software Development.

The resource person **Dr. Malladi Ravi Sankar, KL (Deemed to be University)** elaborated on the

types, characteristics and applications of Big Data.

On the second day , the resource person Prof. R Usha Rani,Dept.Of Computer Science,CVR ENGINEERING College, Hyderabad briefed on the cognitive functions that AI plays in shaping the future of technology and society.

The resource person Dr. D Indira, Professor Dept. Of IT, SR GUDLAVALLERU ENGINEERING College emphasized on objectives of cyber security. She discussed on hacking , ethical hacking and different types of cyber crimes and various certifications.

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.

The two-day National Conference on **Emerging Trends in Computational Science and Technology** was a great success with the output of 193 participants and more than 150 research papers.

Photo Gallery
Inaugural Session



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



Theme of the Seminar by Convener M.V.T.R Pavan Kumar, HOD , PG Dept of Computer Science



Release of Proceedings by Dr. Y. K. Sundarakrishna, Professor, Krishna University





Vijayawada, Andhra Pradesh, India
KBN COLLEGE Vinchipeta, vijayawada, Andhra Pradesh 520001, India
Lat 16.524177°
Long 80.612111°
29/09/23 10:19 AM GMT +05:30

GPS Map Camera

Presentation by Dr. Y.K Sundharakrishna, Professor, Krishna University



Vijayawada, Andhra Pradesh, India
KBN COLLEGE Vinchipeta, vijayawada, Andhra Pradesh 520001, India
Lat 16.524177°
Long 80.612111°
29/09/23 10:13 AM GMT +05:30

GPS Map Camera



Dr. Ravi Sankar , KL Deemed to be University



Dr. M Babu Reddy, Assistant Professor, Department of Computer Science, Krishna University.

DAY -2 (30.09.2023)



Prof. R Usha Rani, Dept. Of Computer Science, CVR ENGINEERING College, HYD



Dr. D Indira, Professor Dept. Of IT, SR GUDLAVALLERU ENGINEERING College



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

***Paper Presentations ***





Photo with the participants



Felicitations

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



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



Felicitation to Resource Person Dr. R USHA RANI PROFESSOR , DEPT OF CSE (AI & ML) CVR ENGINEERS COLLEGE





POSTER & BROCHURE

CHIEF PATRON

Sri T. Srinivasu,
Secretary & Correspondent, K.B.N. College (Autonomous)

PATRON

Dr. V. Narayana Rao, Principal, K.B.N. College (Autonomous)

ORGANIZING SECRETARY

Dr. R.Kiran Kumar, HoD, Dept. of Computer Science
Krishna University

CONVENOR

Sri V.T. Ram Pavan Kumar, HoD-M.C.A., K.B.N. College (Autonomous)

ADVISORY COMMITTEE

Prof. Y.K. Sundarakrishna, Dept. of Computer Science, Krishna University
Sri P.L. Ramesh, Vice-Principal, K.B.N. College (Autonomous)
Dr. M. Venkateswara Rao, Vice-Principal, K.B.N. College (Autonomous)
Dr. G. Krishnaveni, Head, Dept. of Chemistry & IQAC Co-ordinator
Sri. S. Venkatesh, Director, P.G Courses, K.B.N. College (Autonomous)

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Mr. P. Samba Siva Rao
Mr. G. Karthik
Mr. P. Durga Prasad
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.,
Princippal,
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(AIGML)
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

ISO 9001-2015 CERTIFIED NAAC 'A' GRADE CYCLE 3

K.B.N. COLLEGE

(Sponsored by S.K.P.V.V. Hindu High School's Committee) Karhapeta, Vijayawada - 520 001. (AUTONOMOUS)
A College with Potential for Excellence (CPE) All India 52nd Rank in NIRF by MHRD (2017).
Recognized as Band PERFORMER in ARIIA by Ministry of Education, Govt. of India.
www.kbncollege.ac.in

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National Conference
on
**Emerging Trends in Computational
Science & Technology-2023**
Under UGC-Autonomous Funds
In collaboration with
Krishna University
29th & 30th September, 2023

Organized by
Department of Computer Science & Applications



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.

Call for Papers

Topics of Interest include, but not limited to the following:

- ◀ Artificial Intelligence
- ◀ Data analytics
- ◀ Mobile computing
- ◀ Computer networks
- ◀ Fertilizers and pesticides
- ◀ Image Processing
- ◀ Thermo Dynamics
- ◀ 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
- ◀ Big Data
- ◀ Soft Computing
- ◀ Cloud computing

Instructions to Authors

Original Contributors of ongoing research works are expected from the authors. Prospective Author(s) are requested to submit their soft copy of research papers in IEEE format. Papers will be reviewed by the experts and will be selected based on novelty & technical content. The author should give the address for correspondence including contact number and Email address.

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
kbncetst@gmail.com

Important Dates

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

Registration Fees

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

Bank details

Account Name : Principal, KBN College
Account Number : 141415500014010
Bank Name : Karur Vysya Bank Ltd.
Branch : One Town, Vijayawada
IFSC Code : KVL0001414

Registration Form link:

<https://forms.gle/BHhVnfiJiAndCck6>

Registration Fees include

- ✦ Conference kit
- ✦ Conference lunch and refreshment
- ✦ Participation certificate
- ✦ Online access to conference

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మార్కులు గమనిస్తేనే ప్రగతి

చిట్టివగర్, న్యూస్టుడే : కంప్యూటర్ రంగంలో మునుపటి మార్కులను ఎప్పటికప్పుడు గమనిస్తూ ముందుకు సాగినప్పుడే ప్రగతి సాధ్యమవుతుందని కృష్ణా విశ్వవిద్యాలయం కంప్యూటర్ విభాగం ప్రొఫెసర్ వై.కె.సుందరకృష్ణ అన్నారు. కొత్త పేటలోని కేటీఎన్ కళాశాల, కృష్ణా విశ్వవిద్యాలయం భాగస్వామ్యంలో కంప్యూటర్స్ సైన్స్ రంగంలో మునుపటి మార్కులు అనే అంశంపై జాతీయ సదస్సు శుభ్రవారం నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఏ రంగంలో లేని రీతిలో కంప్యూటర్స్ రంగం పరుగులు తీసోందన్నారు. ప్రొఫెసర్ ఎం.బాబురెడ్డి మాట్లాడుతూ కంప్యూటర్ రంగంలో అవకాశాలను విద్యార్థులు ఘాత్రి స్థాయిలో అందిపుచ్చుకోవాలని చెప్పారు. ప్రిన్సిపల్ వి.నారాయణరావు, వైస్ చిన్సిపల్స్ ఎం.వెంకటేశ్వరరావు, పీ.ఎల్.రమేష్, డీజీ జైరజ్జర్ వెంకటేష్, తదితరులు పాల్గొన్నారు.

యువత పాఠశ్రామికవేత్తలుగా ఎదగాలి

చిట్టివగర్ : యువత పాఠశ్రామికవేత్తలుగా ఎదగాలని, అందుకు



మాట్లాడుతున్న ప్రొఫెసర్ సుందరకృష్ణ, వేదికపై ఆచార్య బాబురెడ్డి, ప్రిన్సిపల్ నారాయణరావు తదితరులు

అవసరమైన నైపుణ్యాలను పెంపొందించుకోవాలని పొట్టి శ్రీరాములు చలవాది మల్లికార్జునరావు ఇంజనీరింగ్ కళాశాల కార్యదర్శి లక్ష్మణస్వామి అన్నారు. కళాశాల విద్యార్థులతో నెక్స్ట్ జెన్ ఇన్స్పైషన్ షన్ నెంటర్ను శుభ్రవారం ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ విద్యార్థులు నూతన పోకడలపై దృష్టి పెట్టాలన్నారు. ప్రాజెక్టు ఎక్స్పోలో విజయం సాధించిన విద్యార్థులకు నగదు బహుమతులు అందించారు. ప్రిన్సిపల్ అక్షీనారాయణ, వైస్ చిన్సిపల్ పతంజలిశాస్త్రి, ఫ్లోమెండ్ అదికారి ఎస్.మణిశంకర్, ఆఫీస్ చిన్సిపల్ డీన్ విజయదుర్గాప్రసాద్, విభాగాధిపతులు పాల్గొన్నారు.

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

మార్కును గమనిస్తే ప్రగతి

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

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



మాట్లాడుతున్న డాక్టర్ వైకే సుందరకృష్ణ

కళాశాల ప్రిన్సిపాల్ డాక్టర్ నారాయణరావు మాట్లాడుతూ వస్తున్న మార్పులను విద్యార్థులు తెలుసుకోవడానికి పలు కార్యక్రమాలు నిర్వహిస్తున్నామన్నారు. కంప్యూటర్స్ విభాగ మరో ఆచార్యుడు డాక్టర్ బాబురెడ్డి, వైస్ ప్రిన్సిపాల్స్ పీఎల్ రమేష్, డాక్టర్ వెంకటేశ్వరరావు, పీజీ డైరెక్టర్ వెంకటేష్ తదితరులు పాల్గొన్నారు.