

TECH PULSE

A BIANNUAL MAGAZINE OF



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LBRCE(A)**

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I),
An ISO 21001:2018,14001:2015,50001:2018 Certified Institution
Approved by AICTE, New Delhi. and Affiliated to JNTUK, Kakinada
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FORE WORD

Department of Computer Science & Engineering involves researching, designing, developing in current trends of computing systems. It gave me great satisfaction to know that department has come up with its own magazine, “Tech-Talk”. The way they presented it was unique, very creative and hope it will serve as a motivational and technological source for the students to exhibit their inherent talents and improve their skills. I would like to express my appreciation to whole team members of Tech-Talk including faculty coordinators who really made it possible.



Dr. K. APPARAO
PRINCIPAL



Dr. D. VEERAI AH
PROFESSOR & HOD

Congratulate the department of CSE, LBRCE for bringing out the prestigious bi-annual magazine, Tech-Talk. I am sure that the magazine will provide a platform for students and faculty members to expand their technical knowledge and sharpen their hidden literary talent and also strengthen all round development of the students. My congratulations to the editorial board who took the responsibility for the arduous task Dr. D. Veeraiah most effectively.



VISION:

The Computer Science & Engineering aims at providing continuously stimulating educational environment to its students for attaining their professional goals and meet the global challenges.

MISSION:

To develop a strong theoretical and practical background across the computer science discipline with an emphasis on problem solving.

To inculcate professional behavior with strong ethical values, leadership qualities, innovative thinking and analytical abilities into the student.

Expose the students to cutting edge technologies which enhance their employability and knowledge.

Facilitate the faculty to keep track of latest developments in their research areas and encourage the faculty to foster the healthy interaction with industry.

OUTCOME BASED EDUCATION

Outcome-Based Education means clearly focusing and organizing everything in an educational system around what is essential for all students to be able to do successfully at the end of their learning experiences [Spady, William]. This means starting with a clear picture of what is important for students to be able to do, then organizing curriculum, instruction, and assessment to make sure this learning ultimately happens.

The National Board of Accreditation, a body for promoting international quality standards for technical education in India has started accrediting only the programs running with OBE from 2013.

PROGRAM EDUCATIONAL OBJECTIVES(PEOs)

PEO1: Pursue higher education, entrepreneurship and research to compete at global level.

PEO2: Design and develop products innovatively in the area of computer science and engineering and in other allied fields.

PEO3: Function effectively as individuals and even at all the levels with ethics and necessary attitude.

PEO4: Serve ever-changing needs of the society with a pragmatic perception.

PROGRAM OUTCOMES (POs)

PO1-Engineering knowledge:

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2-Problem analysis:

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.



PO3-Design/development of solutions:

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental.

PO4-Conduct investigations of complex problems:

Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5-Modern tool usage:

Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6-The engineer and society:

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7-Environment and sustainability:

Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8-Ethics:

Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9-Individual and team work:

Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10-Communication:

Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11-Project management and finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12-Life-long learning:

Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: The ability to apply Software Engineering practices and strategies in software project development using open source programming environment for the success of organization.

PSO2: The ability to design and develop computer programs in networking, web applications and IoT as per the society needs.

PSO3: To inculcate an ability to analyze, design and implement database applications



ABOUT THE DEPARTMENT:

The Department of Computer Science and Engineering at the LBRCE was established in 1998 and offers Undergraduate Programs - B.Tech in CSE, and Post Graduate Program - M.Tech in CSE. The B.Tech (Computer Science and Engineering) program was started in the year 1998 with an intake of 40 students and the intake was subsequently increased to 60 students in the year 1999, 90 students in the year 2008, 120 students in the year 2009, 180 students in the year 2019 and 240 students in the year 2023. The M.Tech (Data Science) was started in the year 2023 with an intake of 06 students. Currently, our institute enabled highspeed Internet bandwidth of 1820 Mbps.

ADVANCED LABS IN THE DEPARTMENT

01

DATA ANALYTICS LAB

IT WORKSHOP LAB

02

03

WEB ENGINEERING LAB

**DATABASE INNOVATION
LAB**

04

05

**COMPUTATIONAL ENGG
LAB**

**NETWORKS & SYSTEMS
LAB**

06

07

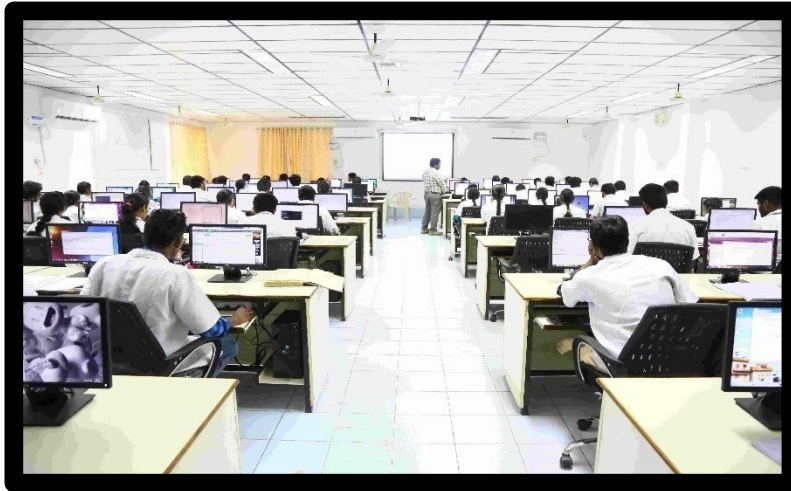
SOFT COMPUTING LAB

CISCO NETACADEMY LAB

08

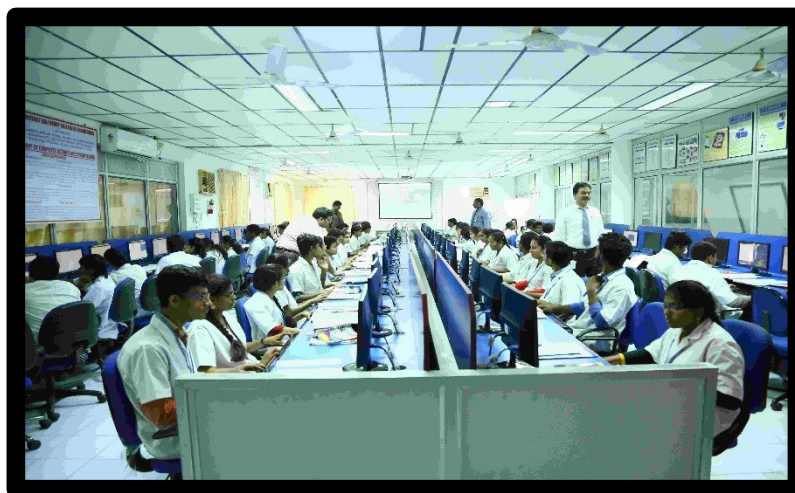
DATA ANALYTICS LAB

This centre is used for imparting practical experience to students in the areas of Data engineering CASE tools, OOP, and net working. The facility is also used by students to access internet and digital library facilities.



IT WORKSHOP LAB

The basic programming skills are imparted to the students from this laboratory. All the entry level students are trained in writing computer programs for problem solving. Getting acquainted with operating system environment, hardware components and installation procedures are some other objectives met with this facility.



WEB ENGINEERING LAB

The Web Engineering Lab's objective is to provide students with a systematic approach to develop deep understanding of web technologies by providing hands on experience.



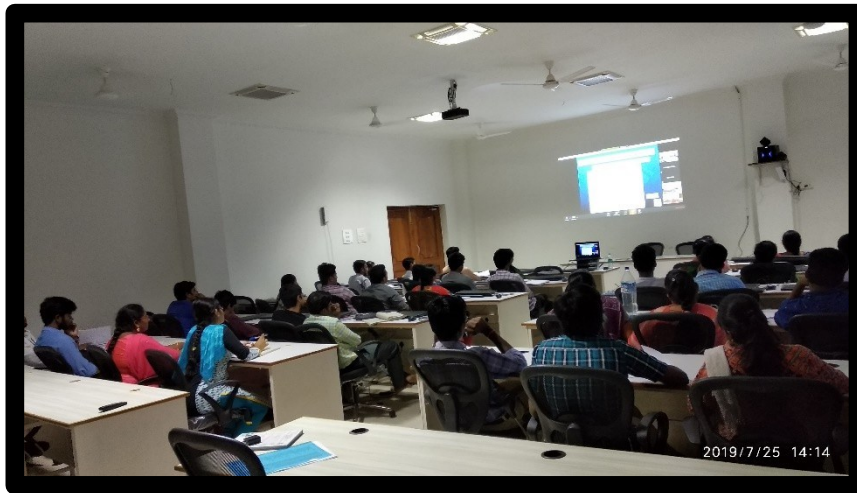
DATA BASE INNOVATION LAB

Database innovation lab objective is to provide a cutting-edge learning environment for students, focusing on advancing database technology, optimizing performance, and ensuring data security. Students gain hands-on experience in developing innovative solutions for real-world data challenges.



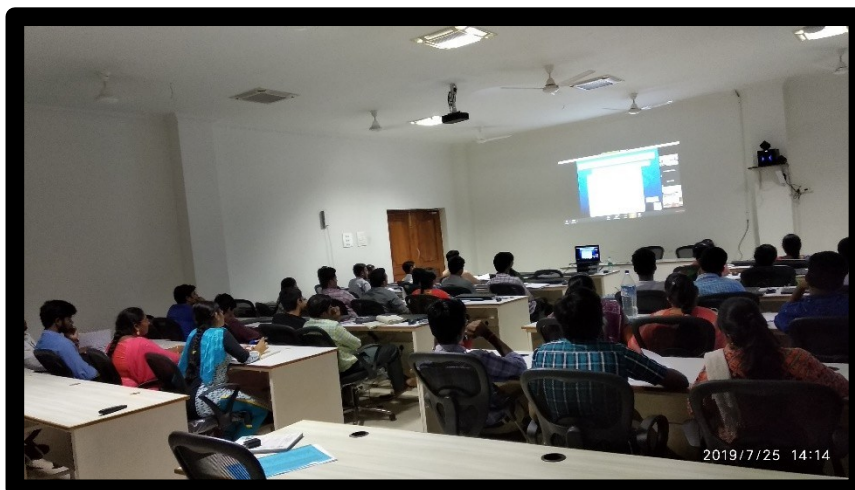
COMPUTATIONAL ENGINEERING LAB

Computational engineering lab objective is to provide a cutting-edge learning environment for students to apply computational methods, tools, and techniques to solve engineering problems and advance the field of engineering through simulation, modelling, and data analysis.



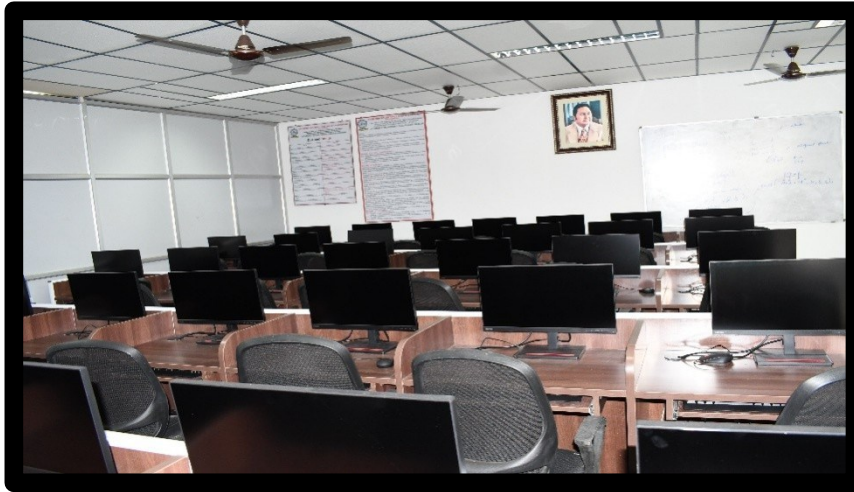
NETWORKS & SYSTEMS LAB

The objective of this laboratory in CSE department is to understand the basics of Computer Networks and Operating Systems implementation details. The student will learn tools and techniques. This lab mainly focuses on to re-enforce the theoretical knowledge learned from classroom lectures with hands-on experience and vice-versa.



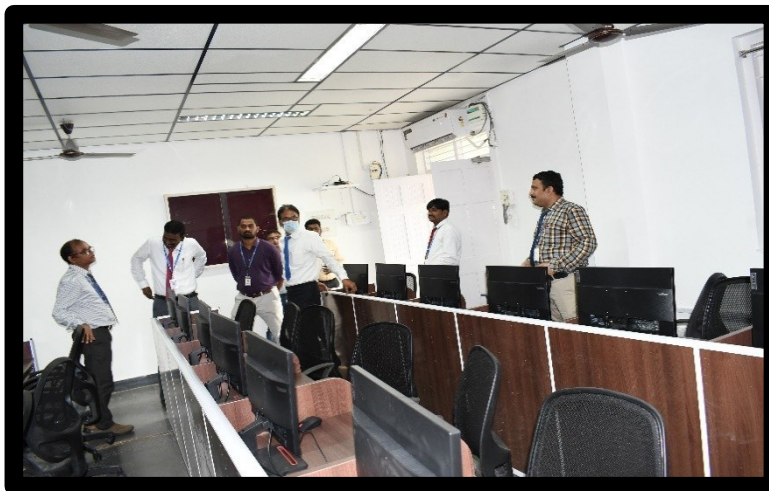
SOFT COMPUTING LAB

Soft computing helps users to solve real-world problems by providing approximate results that conventional and analytical models cannot solve. It is based on Fuzzy logic, genetic algorithms, machine learning, ANN, and expert systems.



NET ACADEMY LAB

In this lab we will connect different local area networks routers on Cisco Packet Tracer.



STUDENT CLUBS AND ASSOCIATIONS

01

**IEEE STUDENT
CHAPTER**

02

**LBRCE ACM STUDENT
CHAPTER**

03

ACG ASSOCIATION

04

**MACHINE LEARNIING
CLUB**

05

**ROBOTICS PROCESS
AUTOMATION CLUB**



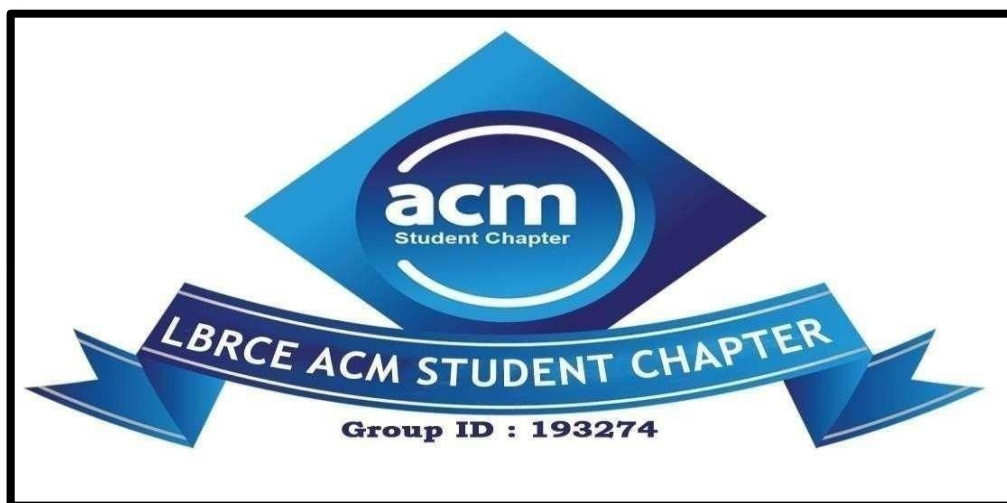
IEEE STUDENT CHAPTER

IEEE Providing opportunities for students to enhance their technical skills, learn about advancements in their field, and engage with professionals through workshops, seminars, conferences, and technical presentations.



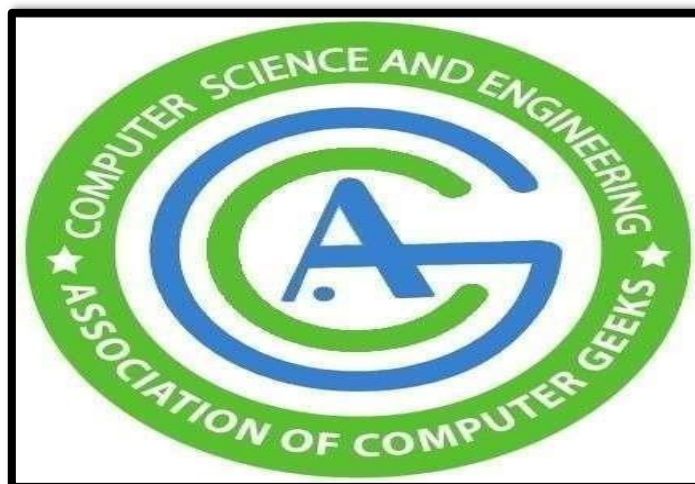
LBRCE-ACM STUDENT CHAPTER

ACM is to facilitate research, knowledge sharing, learning and career enhancement for all categories of IT Professionals, while simultaneously inspiring and nurturing new entrants into the industry and helping them to integrate into the IT community.



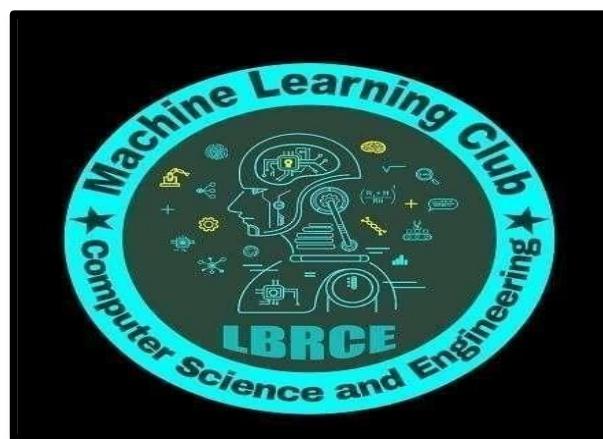
ASSOCIATION OF COMPUTER GEEKS (ACG)

The objective of the 'Association of Computer Geeks' is to provide a platform to all the budding software professionals to showcase their talents. The motto of Association of Computer Geeks is "students should bring up themselves to all round professionals with the both technical and managerial capabilities".



MACHINE LEARNING CLUB

To increase awareness among the students about machine learning applications. Educate members on what exactly is ML and its possibilities. Developing the interests of members in ML. To make use of publicly available data sets and libraries in order to demonstrate the applications.



ROBOTIC PROCESS AUTOMATION CLUB

To bring awareness on RPA Technology to our fellow students. To Solve the problems that consume more time in our department by automating the things. To find talented students in the RPA Technology



PUBLISHED PAPERS BY OUR FACULTY

01

**FOG-SEC: SECURE END-TO-END
COMMUNICATION IN FOG-ENABLED IOT
NETWORK USING PERMISSIONED
BLOCKCHAIN SYSTEM**

02

**ENHANCING 5G NETWORKS WITH D2D
COMMUNICATION: ARCHITECTURES,
PROTOCOLS, AND ENERGY-EFFICIENT
STRATEGIES FOR FUTURE SMART CITIES**

03

**COMPARATIVE ANALYSIS OF SPOKEN
TELUGU DIGITS USING MFCC AND LPCC
VIA HIDDEN MARKOV MODELS**

04

**PRIVACY PRESERVING WITH MODIFIED
GREY WOLF OPTIMIZATION OVER BIG
DATA USING OPTIMAL K
ANONYMIZATION APPROACH**

05

**COMPARATIVE ANALYSIS OF DETECTION
OF TEXT FROM MORSE CODE IN
HANDWRITTEN IMAGES USING
CONVOLUTIONAL NEURAL NETWORKS**



Fog-Sec: Secure end-to-end communication in fog-enabled IoT network using permissioned block chain system

Source: International J Network Management <https://doi.org/10.1002/nem.2248>

The technological integration of the Internet of Things (IoT)-Cloud paradigm has enabled intelligent linkages of things, data, processes, and people for efficient decision making without human intervention. However, it poses various challenges for IoT networks that cannot handle large amounts of operation technology (OT) data due to physical storage shortages, excessive latency, higher transfer costs, a lack of context awareness, impractical resiliency, and soon.

As a result, the fog network emerged as a new computing model for providing computing capacity closer to IoT edge devices. The IoT-Fog-Cloud network, on the other hand, is more vulnerable to multiple security flaws, such as missing key management problems, inappropriate access control, inadequate software update mechanism, insecure configuration files and default passwords, missing communication security, and secure key exchange algorithms over unsecured channels.

Therefore, these networks cannot make good security decisions, which are significantly easier to hack than to defend the fog-enabled IoT environment. This paper proposes the cooperative flow for securing edge devices in fog-enabled IoT networks using a permissioned block chain system (pBCS).



AUTHOR

Dr. M. Srinivasa Rao

Professor & Dean Academics

Enhancing 5G Networks with D2D Communication: Architectures, Protocols, and Energy- Efficient Strategies for Future Smart Cities

Source: International Journal of Intelligent Systems and Applications in Engineering
<https://ijisae.org/index.php/IJISAE/article/view/4359>

In the context of 5G Het Nets, device-to-device (D2D) communication has become a major topic of study. Devices that are near to one another may communicate directly with one another without having to transfer their data via a central base station thanks to D2D(Device-to-Device) communication. Since there is no need for data to pass via intermediary network nodes, direct connection between devices may lead to lower latency.

This strategy also allows traffic to be offloaded from the main network, which lessens congestion and improves network performance overall. Furthermore, as direct communication allows for more effective use of available frequency bands, it may result in increased spectral efficiency.

The problems that are intrinsic to Device-to-Device (D2D) communication become more apparent when the network densifies and has an increase in the quantity of devices connected. The two main issues that these challenges address are interference management and energy usage optimization. It is impossible to exaggerate the significance of energy efficiency in the modern digital age, as it has far-reaching consequences from both an economic and environmental perspective.



AUTHOR

Dr.K.NagaPrasanthi

Professor

Comparative Analysis of Spoken Telugu digits using MFCC and LPCC via Hidden Markov Models

Source: 10th International Conference on Signal Processing and Integrated Networks (SPIN)

The problem of speech recognition deals with interpreting the message conveyed in a spoken word or sentence. It has much significance in various automated tasks such as controlling home appliances, mobile applications, robotic operations, etc. As the domain of Internet of Things (IoT) evolves, there is much scope to assist people with special needs in various ways in their day today routines.

The main stakeholders for this type of applications include senior citizens, specially-abled people, and illiterates of different age groups. In IoT environment, speech enabled supportive systems has got a great significance with various challenges. The systems that deal with spoken languages with a tiny data sets for a specific problem will be a challenging task.

This paper studies spoken digit recognition problem using Hidden Markov Models with three different features. The paper discusses the methods and obtained results.



AUTHOR

Dr P. Bhagath

Professor

Privacy Preserving with Modified Grey Wolf Optimization Over Big Data Using Optimal K Anonymization Approach

Journal of Interconnection Networks <https://doi.org/10.1142/S0219265921410395>

An optimal approach to anonymization using small data is proposed in this study. Map Reduce is a big data processing framework used across distributed applications. Prior to the development of a mapreduce framework, data are distributed and clustered using a hybrid clustering algorithm. The algorithm used for grouping together similar techniques utilizes the k-means clustering algorithm, along with the MFCM clustering algorithm. Clustered data is then fed into the mapreduce frame work after it has been clustered.

In order to guarantee privacy, the optimal k anonymization method is recommended. When using generalization and randomization, there are two techniques that can be employed K-anonymity, which is unique to each, depends on the type of the quasi identifier attribute. Our method replaces the standard k anonymization process by employing an optimization algorithm that dynamically determines the optimal k value. This algorithm uses the Modified Grey Wolf Optimization (MGWO) algorithm for optimization.

The current technique gets the lowest accuracy and the privacy proposed achieves the maximum accuracy while compared to the current technique. The solution is implemented in Java with Hadoop Map-Reduce, and it is tested and deployed in the cloud on Google Cloud Platform.



AUTHOR

Dr. B. Siva Rama Krishna
Associate Professor

Comparative Analysis of Detection of Text from Morse Code in Handwritten Images using Convolutional Neural Networks

20234th International Conference on Electronics and Sustainable Communication Systems (ICESC) <https://ieeexplore.ieee.org/document/10193691>

One of the oldest techniques used in telecommunication for encoding regular characters is Morse Code. Morse Code is categorized into two separate electronic pulses which are dot (aka short pulse) and dash (aka long pulse). Detection of text from images of morse code is a complex process and there is no active research on this area.

As these are morse code images, different images have different styles of strokes. Our work aims to develop an Automated Morse code recognition system which is trained by a CNN (convolutional neural network) model with a self-built dataset and involves in collecting and preprocessing images of Morse code characters and creating a labeled data set for training and testing the CNN model. The dataset creation process includes capturing images of different Morse code characters, annotating the images to label them correctly.

The CNN model is then trained using the created dataset and evaluated for its accuracy in recognizing Morse code characters in images. The results demonstrate comparative analysis of different CNN based frameworks and achieved high accuracy in recognizing Morse code characters in images, making it a promising solution for automated Morse code recognition systems.



AUTHOR

Mr. Shaik Johny Basha

Sr. Assistant Professor



ARTICLES BY STUDENTS

01

**SECURING ACADEMIC
CREDENTIALS: LEVERAGING
BLOCKCHAIN TECHNOLOGY TO
COMBAT THE PROLIFERATION
OF FAKE DEGREE CERTIFICATES**

02

**GAN APPROACH FOR
COLORIZATION OF GRAYSCALE
IMAGES AND VIDEOS**

03

GENERATIVE AI

04

**INSECT IDENTIFICATION AND
REGULATION USING CNN &
IOT IN A SMART PEST
MANAGEMENT SYSTEM**

05

**MAINTENANCE ENHANCEMENT
OF SMART MANUFACTURING
UNITS IN INDUSTRY 4.0**

Securing Academic Credentials: Leveraging Blockchain Technology to Combat the Proliferation of Fake Degree Certificates

In today's digital age, the authenticity of academic credentials is paramount. However, the rampant issue of counterfeit degree certificates poses a significant challenge to the integrity of educational systems worldwide. The prevalence of fake degree certificates poses a significant challenge to educational institutions, employers, and individuals alike.

With advancements in technology, counterfeiters have become increasingly adept at producing convincing replicas of academic credentials, thereby deceiving unsuspecting parties. One of the most promising applications of blockchain technology is in the verification of academic credentials. Traditional methods of verifying degrees often rely on centralized databases or paper-based certificates, which are susceptible to fraud and manipulation.

In contrast, blockchain-based credential verification systems offer a decentralized and transparent approach to validating qualifications. By storing academic records on a blockchain, institutions can create tamper-proof digital certificates that can be securely accessed and verified by employers, educational institutions, and other relevant parties. While challenges and considerations remain, the benefits of blockchain-based credential verification systems are undeniable, offering a promising solution to a longstanding issue in the education sector.



AUTHOR

Chitturi Yasvanth
22761A05E2, IICSE

GAN approach for colorization of Gray scale images and videos

The process of transforming grayscale photographs into color images that are more pleasing to the eye is referred to as colorization. The primary objective is to persuade the audience that the outcome being presented is genuine. The majority of the time, photographs depicting natural scenes are the ones that are in grayscale and need to be colored. The last 20 years, a broad variety that colorization approaches have been created, ranging from algorithmically simple ways that are nonetheless energy- and time-consuming due to inescapable human participation to add difficult methods that are simultaneously more automated.

The process of automatic conversion has evolved into a complex field that draws from a variety of disciplines, including art, machine learning, and deep learning. We describe an innovative-methods to automatically colorize grayscale photos or videos, which includes the properties of the GAN and U-Net models. In addition, the Fusion layer is performed to integrate the local information findings that are depending on smaller image patches, along with the inclusive priors that are based on the full image for each class.

This results in colorization results that are more aesthetically engaging. In the end, we validate our technique by doing an evaluation based on user research, and We contrast it with the current state of the art, which leads to improvements.



M. Manjula

19761A0597

Generative AI

Generative Artificial Intelligence (AI) has emerged as a transformative force in various fields, ranging from art and literature to health care and finance. This cutting-edge technology enables machines to mimic human creativity by generating content, images, music, and even entire narratives autonomously. In this article, we delve into the fascinating world of generative AI, exploring its capabilities, applications, and ethical implications.

Generative AI refers to algorithms and models designed to produce new content that resembles data fed into them. Unlike traditional AI systems that operate based on predefined rule so training data, generative AI can create original outputs by learning patterns and structures from vast datasets. This capability is largely attributed to deep learning techniques, particularly Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs).

Generative AI represents a paradigm shift in how we perceive creativity and innovation. By harnessing the power of machine learning, we can unlock new dimensions of human expression and drive progress across diverse fields. However, realizing the full potential of generative AI requires addressing ethical concerns and fostering responsible development and deployment practices. As we navigate this evolving landscape, it is essential to embrace the transformative possibilities of AI while safeguarding against its potential risks.



K. Ravi Teja

19761A0528

Insect Identification and Regulation Using CNN & IOT in a Smart Pest Management System

The most devoted workers are farmers. Due to their impact on crop quality, insects are a major source of frustration for farmers. Various types of insects are attracted to different crops, and they destroy them. The majority of farmers are unaware of the common pesticides that work on different types of insects. Insecticides and pesticides don't always work as well because of this.

This work uses machine learning and an insect detection algorithm to categorize and identify insects in certain crops, such as cotton and chili crops, at an early stage of crop growth. This paper outlines research that makes use of a local dataset of three groups of insects known locally as "Ladha in chili," "Black pest in cotton," and "Damaged chili leaf" and, depending on our needs, may even incorporate a great deal more insects.

This project makes use of an IOT device with a camera that is installed in the field and will randomly select images from the crop field each day. It will then process those images using modern machine learning techniques and computer vision algorithms, and it will also be used to alert the farmer through a message about the insect detected and suggest an appropriate insecticide. Keywords— Raspberry pi, CNN (Convolutional Neural Network), Deep Learning, object detection.



S. Bhagya Sai Anil Reddy

19761A05I0

Maintenance Enhancement of Smart Manufacturing Units In Industry 4.0

The fourth industrial revolution has had a significant impact on the modern world. The fourth industrial revolution is primarily driven by the intelligent edge systems. Industry 4.0 is the integration of Big Data, Cloud Computing, Advanced Robotics, Internet of Things, Digital twin, and several other new technologies to enhance production processes that result in better products in a shorter amount of time at a cheaper cost.

Tracking of machine health, maintenance through prediction, and scheduling of production are the three main issues facing any industrial sector. Smart manufacturing can address the aforementioned issues by using data-driven deep learning techniques. The model to effectively address the aforementioned difficulties is developed using the deep convolutional LSTM encoder-decoder architecture. LSTM auto-encoder, a feed-forward neural network whose input signal is equal to its output signal, can be used to predict the machine's speed.

To put it another way, an auto encoder is an individual research algorithm that uses input data without a labeled target dataset to extract features. Some performance metrics, such as RMSE, MAE, MSE, and SMAPE, are revealed by the experimental results.



T. Akhila

19761A05C2

R & D Publications for the A.Y.: 2023-24

SCI	ESCI	SCOPUS J	SCOPUS C	Open Access	Total	UGC	Books	Chapters	Patents
05	01	04	11	01	20	02	01	02	02

SCI Papers –02

1. **Fog-Sec: Secure end-to-end communication in fog-enabled IoT network using permissioned block chain system**, Erukala Suresh Babu, **Mekala Srinivas Rao** Gandharba Swain, A. Kousar Nikhath, Rajesh Kaluri, Int J Network Mgmt., 1099-1190, pno:1-28, Aug-2023,
<https://doi.org/10.1002/nem.2248>
2. **The use of IoT-based wearable devices to ensure secure lightweight payments in FinTech applications**, Sriramulu Bojjagani, **Nagarjuna Reddy Seelam**, Neeraj Kumar Sharma, Ravi Uyyala, Sree Rama Chandra Murthy Akuri, Anup Kumar Maurya, Journal of King Saud University - Computer and Information Sciences, Volume 35, Issue 9, OCTOBER-2023,
<https://doi.org/10.1016/j.jksuci.2023.101785>

Scopus Papers –02

1. **“Enhanced Speckle Noise Reduction in Breast Cancer Ultrasound Imagery Using a Hybrid Deep Learning Model”**, Nagireddy Venkata Raja Sekhar Reddy, Chengamma Chitteti, , Sreeraman Yesupadam, **Venkata Subbaiah Desanamukula**, Sai Srinivas Vellela, Naga Jagadesh Bommagani, Ingénierie des Systèmes d’Information (International Information and Engineering Technology Association(IIETA)), **Page:** 1063-1071, 31 August 2023.
<https://www.iieta.org/journals/isi/paper/10.18280/isi.280426>
2. **Optimizing Network Security and Performance Through the Integration of Hybrid GAN-RNN Models in SDN-based Access Control and Traffic Engineering**, Khekare G.,Kumar K.P., **Prasanthi K.N.**, Ansari M.S.A.,El-Ebiary Y.A.B., International Journal of Advanced Computer Science and Applications, Vol. 14, No. 12, Page: 596-606, ISSN : 2156-5570, 12 December 2023.
https://thesai.org/Downloads/Volume14No12/Paper_62-Optimizing_Network_Security_and_Performance.pdf

Scopus Conference Proceedings –08

1. **“Comparative Analysis of Detection of Text from Morse Code in Handwritten Images using Convolutional Neural Networks”**, Duggineni Veeraiah, Shaik Johny Basha, Karavadi Raviteja, Mangam Surya Prakash, Kasturi Karthik, 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 06-08 July 2023, ISBN:979-8-3503-0009-3,
<https://ieeexplore.ieee.org/document/10193691>
2. **“A Comprehensive analysis of Machine learning and Deep learning approaches towards IoT security,”** Venkata Subbaiah Desanamukula, M. Asha Priyadarshini, D. Srilatha, K.Venkateswara Rao, R.V.S.L.Kumari, International Conference on electronics and sustainable communication systems-IEEE (ICESC), Coimbatore, India, 06-08 July 2023, ISBN:979-8-3503-0009-3,
DOI: [10.1109/ICESC57686.2023.10193209](https://doi.org/10.1109/ICESC57686.2023.10193209)
3. **"Telugu Spoken Digits Modeling using Convolutional Neural Networks,"** P. Bhagath, A. U. M. Rao, B. S. Ram and M. A. K. Reddy, 2023 IEEE 13th International Conference on Pattern Recognition Systems (ICPRS), Guayaquil, Ecuador, Aug-2023, pp. 1-7, 979-8-3503-3337-4
doi: 10.1109/ICPRS58416.2023.10178989.
<https://ieeexplore.ieee.org/document/10178989>
4. **"A Systematic Analysis of Deep Learning and Machine Learning Methods for Identifying Apple Leaf Disease,"** B. Usha Rani, K. Pavani, S. Bhavani and G. Alapati, 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, July-2023, pp. 761-765, 979-8-3503-0009-3
doi:10.1109/ICESC57686.2023.10192948.
<https://ieeexplore.ieee.org/document/10192948>
5. **“Deep Learning Model for Plant Disease Detection and Classification with Pesticide Suggestion”**, N.Srikanth;B.T.Rao, G.L.S.Bhargavi,M.L.S.Likitha, 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2023, Jul-23, pp:1451-1455.
<https://ieeexplore.ieee.org/document/10193503>
6. **“Transfer Learning-based Fruit Freshness Monitoring for Future Autonomous Industrial Robotic Arms”**, N.Srikanth, Ch.Madhuri,I.venkata Narayana ,J.sahithi, 2023 International Conference on Sustainable Computing and Smart Systems, ICSCSS 2023 - Proceedings, 2023, Jul-23, 10.1109
<https://ieeexplore.ieee.org/document/10169714>

7. **“Kernel-Based SVM Classifiers for Multi-Disease Forecasting: A Meta-Analysis”**, D Anil Kumar; U Jyothi; Kammili Jagan Mohan; Vanapalli Mounica; A. Nageswari, 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), October, 2023, p.p:841-847, 979-8-3503-0088-8 / 979-8-3503-0089-5
<https://ieeexplore.ieee.org/document/10275963>
8. **“Enhancing Mobile Security with an Automated SIM Slot Ejection System and Authentication Mechanism”**, T. Vineetha, U. Arjun, P.Eswar, 2023 Second International Conference on Augmented Intelligence and Sustainable System(ICAISS), Sep-23, pp:1346-1353, 979-8-3503-2579-9,
<https://ieeexplore.ieee.org/document/10250725>

Open Access Journals– 01

1. **“Stressed Speech Emotion Recognition Using Teager Energy and Spectral Feature Fusion with Feature Optimization”**, Surekha Reddy Bandela,S. Siva Priyanka,K. Sunil Kumar,Y. Vijay Bhaskar Reddy,and Afework Aemro Berhanu, **Computational Intelligence and Neuroscience**, Volume 2023 | Article ID 5765760.Oct-2023.
<https://www.hindawi.com/journals/cin/2023/5765760/>

UGC Journals – 02

1. **“Multi-Source Trust Transfer in Artificial Intelligence:A Deeper Understanding of the Required Conditions”** Veera Swamy Pittala, Ramesh Babu Pittala, International Journal of Gender, Science and Technology, Vol-12, issue 02, Aug 2023.
<https://ijgst.com/view.php?id=Volume%2012,Issue%202>
2. **“FILM-QNN: Efficient FPGA Acceleration of Deep Neural Networks with Intra-Layer, Mixed-Precision Quantization”**, Rajasekhar Pittala , Ramesh Babu Pittala,, Dogo Rangsang Research Journal, Vol.13, issue 02, Aug 2023
<https://dogorangsangresearchjournal.com/issues.php?id=6>

Details of Patents – 01

S.No.	Patent Title	Applicants/ Inventors	Patent No.	Published date
1.	A BLOCKCHAIN-ENABLED CLOUD COMPUTING PLATFORM FOR DISTRIBUTED APPLICATIONS	Mrs. P. Rama Devi Dr.BJD Kalyani Mr. M. Sabari Ramachandran Mr. K. Sreekanth Mr. Tulasi Rajesh Mr. Shaik Johny Basha Dr.Pilli. Lalitha Kumari Dr.P.G.K.Sirisha Dr.Jitendra Singh Dr.Nagarjuna Reddy Gujjula	202341039905 A	18-Aug-2023

Details of Books/Chapters-03

S. No.	Authors	Title of the Book	Publisher	Published Date	ISBN
1	Dudla Anil Kumar & M. Ezhilarasan	Multi-disciplinary Trends in Artificial Intelligence / Shufflenetv2: An Effective Technique for Recommendation System in E-Learning by User Preferences	Springer	Jul-23	Electronic ISSN: 1611-3349 Print ISSN: 0302-9743
2	DR. S. NAGARJUNA REDDY DR. CHANDRA SEKHAR KOLLI DR. MOHAN KUMAR CHANDOL DR K. SPURTHI MR. VINAY PODAGATLAPALLI	Artificial Intelligence and ChatGPT	Scientific International Publishing House	2023	978-93-5757-603-1
3	Bandi Vamsi, Bhanu Prakash Doppala, Mohan Mahanty, D. Veeraiah, J. Nageswara Rao , B.V. Subba Rao	A Detailed Case Study on Various Challenges in Vehicular Networks for Smart Traffic Control System Using Machine Learning Algorithms	taylorfrancis.	2023	9781003409502

A 5-Day Professional Development Program on “Instructional Design and Delivery Systems”

Resource Person: Dr. G Kulanthaivel, Dr. R Rajendran,

Dr. KSGiridharan

Name Of The Organization: NITTTR, Government Of India

EventDate:03-07-2023to07-07-2023

About The Event:

National Institute of Technical Teachers Training & Research (NITTTR) Chennai- Under Ministry of Education, Govt. of India, Internal Quality Assurance Cell (IQAC), Departments of CSE, IT, and AI&DS of Lakireddy Bali Reddy College of Engineering Jointly organizing a 5-Day Professional Development Programme on “Instructional Design and Delivery Systems” during 3rd to 7th July 2023.



Lecture By Guest

2-week training program to Government School Teachers

Resource Person: Mr A. Gopi Suresh, Sr Asst Professor(CSE)

Mr M Vijaykumar, Asst Professor(IT)

Name Of The Organization: APSCHE

EventDate:03-07-2023 To 13-07-2023

About The Event:

Govt. of Andhra Pradesh in association with Department of school education and Department of higher education [APSCHE] designed this program such a way that faculty from CSE Department has been trained on above digital equipment on 26-05-2023 at Andhra Loyola College, Vijayawada.

Trained faculty has to train nearly 320 Government School Teacher from A.Konduru and Reddigidem Mandal Training was conducted in Batch wise for total of 8-Batches. and each batch consists of a maximum of 40 Teachers.



A One Day Workshop on DataScience Applications Using ML & DL Techniques

Resource Person: Dr. Asadisrinivasulu

EventDate:14-08-2023

About the Event:

The objective of the "A One Day Workshop on Data Science Applications Using ML & DL Techniques" is to provide participants (III-year V sem. students) with a comprehensive understanding of Data Science, Machine Learning (ML), and Deep Learning(DL) techniques and their practical applications.

The workshop aims to equip attendees with the knowledge, skills, and tools required to effectively apply ML and DL methods to real- world data challenges.



Inauguration By HOD's



Lecture BY Resource Person



Felicitation Ceremony

A One Day Guest Lecture on “Web Application Development Using Mean Stack.”

Resource Person: Mr K.Srikanth Reddy.

Name Of The Organization: LBRCE Alumini

Event Date: 19-08-2023

About The Event:

The Objective of a Web Application Development Using MEAN Stack Guest Lecture Is to Provide Participants with A Comprehensive Understanding of MEAN Stack and How to Develop Web Applications Using Its Components. The MEAN Stack Is a Popular Technology Stack for Building Modern Web Applications and Interaction with Alumni Student.



Interactive Session With Students



Felicitation Ceremony

Database Innovation Lab & Computational Engineering Lab Inauguration

Name Of The Organization: LBRCT, Mylavaram

EventDate:31-08-2023

About the Event:

Two new advanced **Database Innovation Lab And Computational Engineering Lab** for CSE were inaugurated by Sri Lakireddy. Jayaprakash Reddy (Honorary Chairman) and Sri Lakireddy. Prasad Reddy (Chairman).



Lab Inaugural By Chairman,
President And Principal



Technothon 2.0

Name of The Organization: ACG, CSE

Event Date: 14-09-2023

About The Event:

An event dedicated to promoting creativity, innovation, and critical thinking among Computer Science and Engineering (CSE) students, was successfully conducted on **14-09-2023** on behalf of Engineers Day. The event witnessed active participation from 43 teams, out of which 26 were selected to present their projects.

The projects were evaluated based on sustainability, feasibility, innovative complexity, and other relevant criteria. 6 teams emerged as winners, with 2 teams securing the first prize, 2 teams receiving the second prize, and 2 teams achieving the third prize.



TECHNOTHON2.0

WINNERS LIST

TEAM	MEMBERS NAME	ROLL NUMBERS
TEAM-18	G SRINIVAS REDDY	21761A0518
	V SOMA SUNDARA REDDY	21761A0561
	P SAI RAM	21761A0542
TEAM-21	S BHARGHAV	22761A0516
	K DINESH	22761A05F5
	M.V.R SURYA KUMAR	21761A05G8
TEAM-13	BHOGIREDDY RUPA SRI	21761A05E2
	SYED ABDUL AZIZ SHAHID	21761A05I8
	DIRISALA CHAITANYA NANDINI	21761A05E9
TEAM-7	K MANOJ	21761A05G0
	K SIVA SAI SUBRAMANYAM	21761A05G3
	A RAJENDRA	21761A05D4
TEAM-22	JOSHITH SAI RAM	20761A05C2
	SRIKANTH	20761A0589
	MURALI KRISHNA	20761A05C7
TEAM-4	Y.MANIKANTA	22761A05J7
	CH.AKSHAY	22761A05E1
	M.AKHIL	22761A05G4

ENGINEERSDAY-2023

Events Conducted: Elocution and Group Discussion.

Name of the Organization: ACG, CSE

Event Date:15-09-2023

About The Event:

The Committee of Association of Computer Geeks(ACG), which is a student community of Computer Science and Engineering, had conducted “Eve of Engineering’s Day (ACG-2K23)” on **15th Sep ,2023**. ACG had conducted Two events on Engineering Day for all the students of CSE.

All the registered students of CSE department had actively participated in various events and secured attractive Cash Prizes 1st,2nd prizes worth Rs.1000, Rs.500 respectively ACG had conducted **Elocution and Group Discussion**.



ACG Coordinators With Winners

Memorable Speech By
ACG Coordinator



ENGINEER'S DAY WINNERS

EVENT NAME	NO.OF PARTICIPANTS	WINNERS	RUNNERS
ELOCUTION	27	SK.NAVEED	SK.RIWANA
GD	91	SOMASUNDAR REDDY	SRINIVAS REDDY

LBRCE-ACM Student Chapter Inauguration

Name of The Organization: ACM

Faculty Coordinator: Mr. Md. Amanatulla, Asst Professor

EventDate:16-09-2023

About The Event:

ACM is to facilitate research, knowledge sharing, learning, and career enhancement for all categories of IT Professionals, students, researchers while simultaneously inspiring and nurturing new entrants into the industry and helping students to integrate into the IT community.

ఏ సీ ఎం స్టూడెంట్ చాప్టర్ ప్రారంభం

నమస్తే-శ్రీశోభన్, వైలవరం:
(ఏ సీ ఎం)స్టూడెంట్ చాప్టర్ ను శనివారం ప్రారంభించారు. కంప్యూటర్ సైన్స్ ఇంజనీరింగ్ డిపార్ట్మెంట్ సోసైటీ హాల్లో నిర్వహించిన ప్రారంభోత్సవ కార్యక్రమానికి కాలేజీ ప్రెసిడెంట్ డాక్టర్ కె. అప్పారావు, డీన్ అకాడమిక్ డాక్టర్ ఎం.శ్రీనివాసరావు, సిఎస్సీ విభాగాధిపతి డాక్టర్ డి. వీరయ్య పాల్గొన్నారు. డీన్ అకాడమిక్ డాక్టర్ ఎం. శ్రీనివాసరావు సి ఎస్ ఈ విభాగాధిపతి డాక్టర్ డి. వీరయ్య లు చాప్టర్ లోగో ను



అవిష్కరించారు. ఈ సందర్భంగా డీన్ మాట్లాడుతూ ఎల్.వో.డి, మెషిన్ లెర్నింగ్, ఆర్టిఫిషియల్ ఇంటెలిజెన్స్ ద్వారా అభివృద్ధి

చెందుతున్న సాంకేతిక ప్రాధాన్యత ను వివరించారు. హైదరాబాద్ డెక్కన్ ఏ.సీ.ఎం. చైర్ పర్సన్ డాక్టర్ సి ఎస్ ఆర్ ప్రభు చైస్- చైర్ పర్సన్ డాక్టర్ వీ మునిరాజు నాయుడు, సెక్రటరీ డాక్టర్ పి.కృష్ణ ప్రసాద్ లు మాట్లాడుతూ స్టూడర్ సెక్యూరిటీ, ఎఫ్.ఓ.జి. సాంకేతికత పై పట్టు సాధించాలి అని విద్యార్థులకు వివరించారు. ఈ కార్యక్రమంలో సి ఎస్ ఈ అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

Newspaper Article About ACM Chapter Establishment



Inaugural By ACM Committee Members

A 6-Days Workshop on “Data Science Using Python”

Resource Person: Ms Yayaswi Surabi, Sr. Data Science Engineer

Name Of The Organization: Team Brainovision

Event Date: 30-10-2023 to 04-11-2023

About The Event:

This program is designed to train and develop II Year Student of CSE to provide the basic concepts of Python, its syntax, functions, and packages to enable them to write scripts for data manipulation and analysis.

The course covers various variable types and their features, basic operators and statements, loops, as well as the main packages for data science.



Newspaper Article About The Workshop



Inaugural By Principal



Session By Resource Person

A 1-Day Hackathon on “Data Science”

Resource Person: Ms Yasaswi Surabi, Sr. Data Science Engineer

Name Of The Organization: Team Brainovision

Event Date:04-11-2023

About The Event:

This program is designed to train and develop II Year Student of CSE, CSE(AI&ML) and AI&DS to provide the basic concepts of Python, its syntax, functions and packages to enable them to write scripts for data manipulation and analysis.

The course covers various variable types and their features, basic operators and statements, loops, as well as the main packages for data science.



A 1-DAY HACKATHON ON “DATA SCIENCE” WINNERSLIST

PRIZE	Team members	ROLL NUMBERS
I CSE-B	J.KISHORENANDHAN	22761A0588
	D.VARUNSAI	22761A0580
	M.KAVERI	22761A05A3
	K.PREETHI	22761A0590
	SK.JHONYBASHA	23765A0511
II CSE-C	S.BHARGAV	22761A05I6
	DSURYAVAMSI	22761A05E5
	Y.MANIKANTA	22761A05J7
	CH.YASVANTH	22761A05E2
	R.DIVYAJOTHI	22761A05I5
II AI&DS-B	V.HEMASRIKANAKA DURGA	22761A54D0
	M.LAVANYA	22761A54A4
	D.SANJAY	22761A5482
	K.N.N.S.PRASAD	22761A5486
	V.VENKATALEELA MANOHAR	22761A54C8
III CSE-B	V.SAI TEJA	22761A05C9
	GODAVAMSIKRISHNA	22761A0582
	V.NIKHIL	22761A05C8
	SK.RABIYABIRIZWANA	22761A05B7
	TUNGALAJHAHNAVI	22761A05C3
III CSE-C	K.SADVI	22761A05F9
	CH.NEETHUREDDY	22761A05E0
	SD.NISHATH	22761A05J2
	SD.RASHA	22761A05J6
	A.PRASANNATHA	22761A05D3
III CSE(AI&ML)	P.KIRANTEJA	22761A4243
	J.YASWANTHVARMA	22761A4217
	A.GIRI	22761A4201
	M.ANANDHRAJU	22761A4237
	G.MANIKANTA	22761A4213
CONSOLIDATION CSE-A	PAVANESH	22761A0517
	P.SAINAGABHARGAV	22761A0542
	M.PAVANBADRINARAYANA	22761A0536
	D.RAGAMADHURI	22761A0544
	CH.YUVA PRASANTHI	22761A0509
CONSOLIDATION AI&DS-A	P.CHARAN	22761A5442
	P.TARSHA	22761A5446
	P.V.RAAMA	22761A5448
	G.KAVYASREE	22761A5415
	CH.NAAGATEJASWINI	22761A5409

A10-Day short term training programming on “Data structures and Algorithms”

Name Of the Organization: CSE, LBRCE(A)

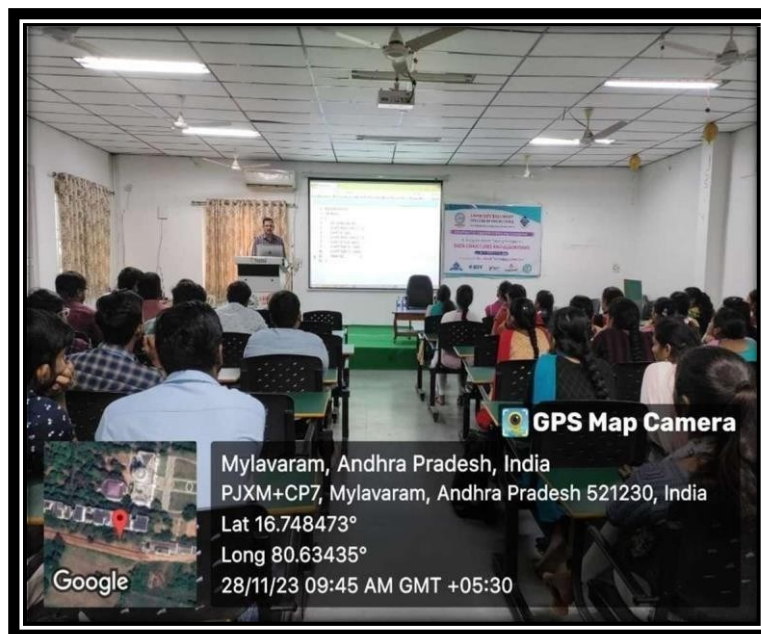
Resource Person: Winston Paul, Manager - Technical
Consultant Amphi soft Technologies Pvt Ltd

Event Date:15-11-2023–20-11-2023

About The Event:

The objective of the “A Ten-Day Short-Term Training Program Data Structures and Algorithms” is to provide participants (IV-year VII sem. students) with a comprehensive understanding of Data Structures Algorithms and their practical applications.

The workshop aims to equip attendees with the knowledge, skills, and tools required to effectively apply DS Algorithms methods to real-world data challenges.



A 5 Day Workshop for supporting staff on “Python Programming.”

Name Of the Organization: CSE, LBRCE(A)

Resource Person: LBRCE Technical Team

Event Date:15-11-2023–20-11-2023

About The Event:

This training program was organized by the Department of CSE and have received an overwhelming response with more than 20 registrations from CSE, IT, CSE(AI&DS), CSE(AI&ML) of our institution.

Out of them, we have shortlisted only 15 participants by giving more preference to the Programmer and Sr. programmer.



Lecture By Dr. Y. Vijay Bhaskar Reddy Sir

A 6-Days Workshop on “AWS-Cloud”

Name of The Organization: Team Brainovision

Event Date: 27-11-2023 – 02-12-2023

About The Event:

The objective of this programs designed to explore the world of cloud technology through immersive AWS Cloud Essentials Workshop. Just as Python stands as a powerful language for data science, Amazon Web Services(AWS) emerges as the backbone of cloud computing.

In this workshop we delve into aspects of AWS, equipping you with essential skills to thrive in cloud ecosystem.



A One Day Hackathon On “AWS-Cloud” WINNERS LIST

PRIZE	TEAMMEMBERS	ROLLNUMBERS
I	ADDANKIBINDU	21761A05D3
	KONATHAMSIVASAISUBRAHMANYAM	21761A05G3
	KATHOJUMANOJ	21761A05G0
	SHAIKSAIDABASHA	21761A05I7
	SYEDABDULAZIZSHAHID	21761A05I8
II	GUNDALATARUNI	21761A05F7
	MANIMALAVYASARAMASURYAKUMAR	21761A05G8
	GOLTHIMADHUAPPALANARASIMHA	21761A05F6
	GADELAKSHMIPRASANNA	21761A05F2
	DIRISALACHAITANYANANDINI	21761A05E9
II	MUNNANGIHARSHAVARDHANREDDY	21761A4241
	GOPIKANTHTIRUMANI	21761A4221
	CHANAMOLUMANOHR	21761A4211
	BASABHAVANADEVI	22765A4201
	KANUMARLA MOHITHVIVEKANANDAREDDY	21761A4227
III	VARIKUTISOMASUNDARAREDDY	21761A0561
	PABBISSETTYTOMALADURGASAIRAM	21761A0542
	SHAIK SHAREEF	21761A0553
	BOBBARAPARDHASARADHINAIDU	21761A0509
	RAPAKASYAMALA	21761A0548
III	YANDURUNEHA	21761A05J8
	DUPPALAHYGRIVARAO	21761A05F1
	DUMPASUSHMAREDDY	21761A05F0
	VELPURUGOWTHAMIMANASA	21761A05J5
	MATTADURGA SRAVANI	21761A05H1
III	GAJAVALLIAAKASH	21761A1216
	BAKIPRUDHVIRAJ	21761A1206
	GUDEVENKATARAVANAMMA	21761A1288
	SHAIKKHASIMSHARIF	21761A12B8
	PANITHAMJAYASREE	21761A12B2
CONSOLIDATION	KASARAGADDASAMPATH	21761A0593
	UNDAVALLIVINAYKUMAR	21761A05D0
	KONABHAVANNARAYANA	21761A0597
	GOLLAPOTHUNAVYASRI	21761A0588
	MUTYALASAIKEERTHI	21761A05B2
CONSOLIDATION	TALLURISUBRAHMANYAM	21761A4260
	HARSHJ.SHAH	21761A4222
	GAJULAHEMANAGASRI	21761A4220
	BHIMAVARAPU HARSHINI	21761A4205

IEEE International Conference on Computational Intelligence, Networks and Security (ICCINS 2023)

Event Date: 22-12-2023 To 23-12-2023

About The Event:

IEEE Sponsored First ICCINS 2023 aims at providing an international stage and forum for Scientists, Researchers, Engineers, and Academicians to disseminate their latest research results and exchange views for future research directions on Artificial Intelligence, Machine Learning, Data Science, Networks, Security and their related applications.

The conference will feature invited talks, tutorials, and paper presentations. The conference is being hosted by CSE, IT, AI&DS departments of Lakireddy Bali Reddy College of Engineering (Autonomous), during 22-23 December 2023 in hybrid mode. The accepted and presented papers at the conference will be submitted to IEEE Xplore for possible inclusion.



TUTORIALS TALKS



FELICITATION CEREMONY



ACHIEVEMENTS

01

PLACEMENTS

02

**EXTRA-CURRICULAR
ACTIVITIES**

03

**CO-CURRICULAR
ACTIVITIES**

04

**NPTEL
ACHIEVEMENTS**

05

**FACULTY
ACHIEVEMENTS**

PLACEMENTS

COLOSSEUM(2)

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering
2023-24 Placements

CONGRATULATIONS

Package
3 LPA

COLOSSEUM

KANDI SRIKANTH
20761A0589

SHAIK NAGEENA
20761A0512

TCS(17)

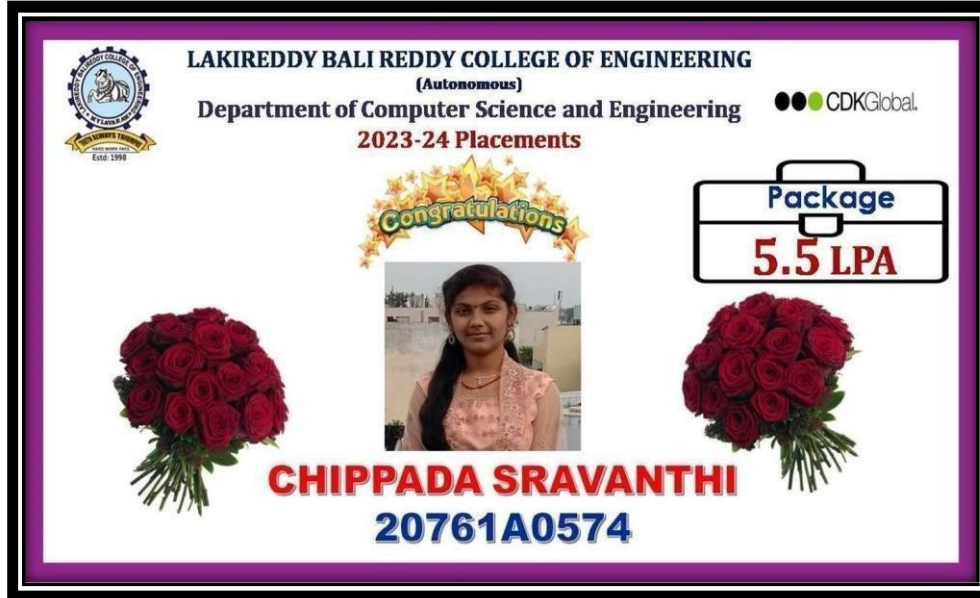
LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(Autonomous)
Department of Computer Science and Engineering
2023-24 Placements



CONGRATULATIONS
TO
17
STUDENTS OF FINAL YEAR B. Tech
2024 batch selected in



tcs TATA CONSULTANCY SERVICES



tcs TATA CONSULTANCY SERVICES PEGA

CDKGLOBAL(1)



 **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(Autonomous)
Department of Computer Science and Engineering 
2023-24 Placements



Package
5.5 LPA

 **CHIPPADA SRAVANTHI** 
20761A0574

ACCENTURE(10)





 **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(Autonomous)
Department of Computer Science and Engineering 
2023-24 Placements




Package
4.5 LPA



 **No. Of Selections** 
10


DELTA X(1)


 **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(Autonomous)
Department of Computer Science and Engineering
2023-24 Placements


DeltaX
Package
7 LPA








NIRILLAY TARAKA
20761A05H2

 **LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING**
(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA under Tier-1)



PLACEMENTS A.Y : 2023-24*

 accenture -10 4.5 Lakhs	 tcs digital -1 7.0 Lakhs	 Total Selections 28+
 CDKGlobal. -1 5.5 Lakhs	 tcs NINJA -16 3.36 Lakhs	

EXTRA-CURRICULAR ACTIVITIES



Y.Neha 21761A05J8 1 Prize in Epistemicon 2k23 Tech Puzzle at Andhra Loyala Institute of Engineering and Technology

Lakireddy Bali Reddy College of Engineering (Autonomous) Department of Computer Science and Engineering



HONORARY CHAIRMAN Sri Lakireddy Jaya Prakash Reddy, U.S.A. Appreciated the Students & Mentors who have participated in the Grand Finale of Smart India Hackathon 2023 at GMRIT, Rajam

CO-CURRICULAR ACTIVITIES



Technothon 2.0 organized by Department of Computer Science & Engineering



54 CSE Students successfully completed the **PEGS System Architect** certification on July 26th 2023

NPTEL CERTIFICATION & TOP PERFORMERS

Details of NPTEL Certified Faculty in
June-Oct 2023 Examinations

Type of certificate	No of Faculty Achieve
Elite+Gold	1
Elite+Silver	11
Elite	4
Successfully Completed	9
Topper (Not include in count)	2
Total	26



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution Since 2010)
Department of Computer Science and Engineering



FACULTY-NPTEL TOPPERS IN JULY - OCT 2023




Congratulations



Mrs. G.V. Rajya Lakshmi
Sr. Assistant Professor
Elite + Gold, Topper of 5% in
Accreditation And Outcome Based Learning



Dr. M. Srinivasa Rao
Professor
Elite + Silver in
Accreditation And Outcome Based Learning



Dr. M. Sitha Ram
Associate Professor
Elite + Silver in
Introduction To Industry 4.0
And Industrial Internet Of Things



Mrs. B. Usha Rani
Sr. Assistant Professor
Elite + Silver in
Introduction To Industry 4.0 And
Industrial Internet Of Things



Mrs. B. Swathi
Sr. Assistant Professor
Elite + Silver, Topper of 5% in
Introduction To Industry 4.0 And Industrial
Internet Of Things



Mrs. M. Swathi
Assistant Professor
Elite + Silver in
Introduction To Internet Of Things



Ms. T. Vineetha
Assistant Professor
Elite + Silver in
Introduction To Internet Of Things,
Accreditation And Outcome Based Learning



Ms. CH. Nagamani
Assistant Professor
Elite + Silver in
Accreditation And Outcome Based Learning



Mrs. P. Mary kamala Kumari
Assistant Professor
Elite + Silver in
Accreditation And Outcome Based Learning



Mrs. K. Eswaree Devi
Assistant Professor
Elite + Silver in
Accreditation And Outcome Based Learning

Details of NPTEL Certified Students in June-Oct 2023 Examinations

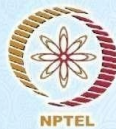
Type of certificate	No of Students Achieve
Elite+Gold	3
Elite+Silver	54
Elite	61
Successfully Completed	52
Topper(Not include in count)	4
Total	170



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(An Autonomous Institution Since 2010)
Department of Computer Science and Engineering



STUDENT-NPTEL TOPPERS IN JULY - OCT 2023



21761A0543
Programming In
Modern C++
Elite, Topper Of 5%



21761A0543
Programming In
Modern C++
Elite, Topper Of 5%



21761A05D1
Introduction To Internet
Of Things
Elite + Gold, Topper Of 5%



21761A05J8
Introduction To Internet
Of Things
Elite + Gold, Topper Of 5%

FACULTY ACHIEVEMENTS

Research Excellence Award–2023 by Global Eminence Awards 2023



Dr. D. Veeraiah
Professor & HOD

Early Career Research Award-2023 by Global Eminence Awards 2023



Dr. S. Nagarjuna Reddy
Associate Professor

Best Researcher Award–2023 by Global Eminence Awards 2023



Mr. Shaik Johny Basha
Sr. Assistant Professor

LBRCE BEST TEACHER AWARDS FOR THE ACADEMIC YEAR 2022-2023



Dr. M. Sitha Ram, Associate Professor.



Dr. S. Nagarjuna Reddy, Associate Professor.



Ms. P. Sarala, Sr. Asst Professor.

TECH PULSE TEAM

EDITOR-IN-CHIEF

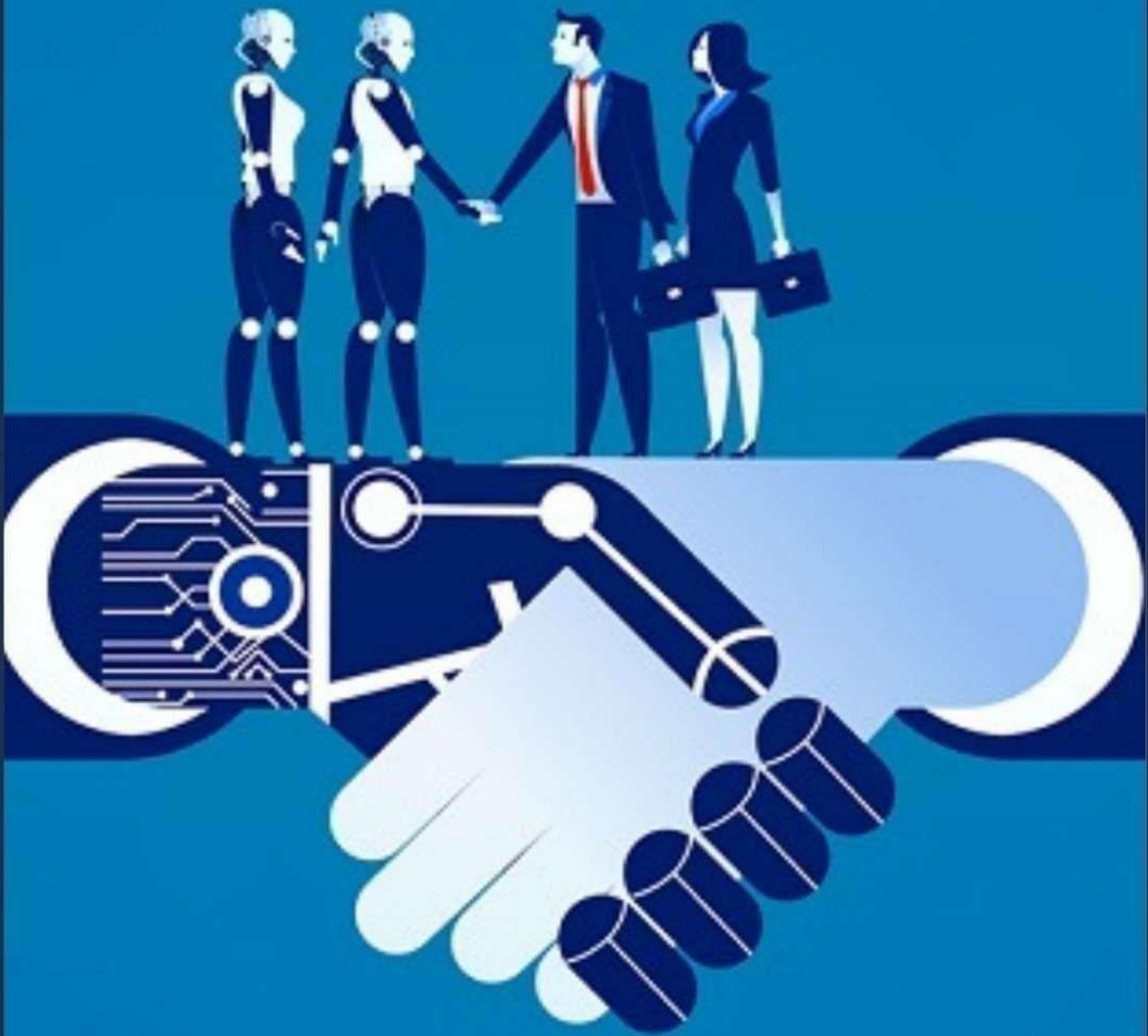


EDITORS



STUDENT CO-ORDINATORS





**Start where you are. Use what you
have. Do what you can**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LBRCE(A)**

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