



KKR & KSR Institute of Technology & Sciences

Approved by AICTE, Permanently Affiliated to JNTU Kakinada,
NAAC Accredited with 'A' Grade

NBA Accredited: B. Tech Programs CE | CSE | ECE | EEE | ME

**DEPARTMENT OF
CSE – DATA SCIENCE**

CSD NEW BULLIETIN (2022-23)

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Sri K Subba Rao
Chairman



Sri Koyi Sekhar
Secretary



Dr P Babu
Principal



Dr K Haribabu
Director of Academics

VISION

To achieve academic excellence and to build the leaders with escalating multi - skilled professionals in Data Science Engineering with global competence empowered by technical expertise with in-depth knowledge, innovative research and lifelong learning, promoting employability, higher education with socio-ethical and entrepreneurial values for development.

MISSION

To impart quality technical education and to develop the learners as leaders in Data Science Engineering with fundamental engineering principles and professionally deft, innovative research capabilities to lead and to use technology for the progress of mankind. To changing technological environment by providing the high quality instruction, faculty, modern teaching, socio-ethical and entrepreneurial values as the inner strength for rural development.

Mission 1: Quality Education

Mission 2: Professional career

Mission 3: Entrepreneur and Research.

Designed by

Dr.B.BHANU PRAKASH, Professor & HOD
Mr.M.AYYAPPA CHAKRAVARTHI

ABOUT THE DEPARTMENT

The Department of CSE-Data Science is an inter-disciplinary field that uses scientific methods, processes, algorithms and systems to extract knowledge and insights from many structural and unstructured data. It uses techniques and theories drawn from many fields within the context of mathematics, statistics, computer science, domain knowledge and information science. Data science is related to data mining, machine learning, big data, business intelligence and many more.

The Department of CSE-Data Science is leaving no stone unturned to enable the young brains to excel in the field of Technology as well as Software Engineering. Special focus is on overall personality development of the individual student and providing Industrial orientation to them. The Department is working towards imparting the latest trends of technological Knowledge and honing the young minds to become Quality Engineers to be readily absorbed by the Industries. As many as young and dynamic staff members are putting in their best efforts and ideas to achieve the best results and make them viable in the present scenario of competitive world. The Department of CSE-Data Science had 60 seats in the initial year of 2020-21 and 120 in 2021-2022. The Department seeks to combine excellence in education with service to the industry. Our vision is to be recognized as innovative and leading Technology Department. Our goal is to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs.

The CSE-Data Science has sufficient faculty members who are qualified in SLET/NET and also expertise in their research including Data Science, Data Mining, Machine Learning and Deep Learning and Artificial Intelligence.

SPARK is a Non-Profit Students' association who are dedicated to promote latest technologies in Software. It provides students with an opportunity to study, research and network in the technical arena. The organization's activities include academic conferences, publications, the global coordination of students organizations.

The Department seeks to combine excellence in education with service to the industry. Our vision is to be recognized as innovative and leading Computer Science Department. Our goal is to provide students with a balance of intellectual and practical experience that enable them to serve a variety of societal needs. In our department students are nurtured to become best software professionals as project Manager. System Analysts or Team leaders in Industry or become Entrepreneurs in their own innovative way.

1. **Preparation:** The learners of Data Science Engineering can be able to apply the knowledge of mathematics, Applied Science, Computing, Basic Engineering field to identify, analyze, formulate, design, and develop the practical solutions for industry and academics.
2. **Core Competence:** To enable the learners with core curriculum knowledge in theory and practical's of Data Science Engineering to develop the innovative skills in design, simulation, and investigation of complex problems, critical reasoning, development & testing knowledge for offering solutions to real life.
3. **Breadth Knowledge:** To provide the learners with breadth knowledge to build the Data Science Engineering professionals to lead the team work and skills to develop the abilities to communicate, lifelong learning and aptitude of project management, finance with entrepreneurial values.
4. **Leading Professional knowledge:** To practice using a system of multi-faceted disciplinary approach to develop R&D skills by MOUs with premier industries and institutions interacting with training sessions and industrial visits to the learners to have awareness in latest trends of Cloud Computing, Cyber Forensics, Hadoop, Big data, Android etc... in concurring the modern software's and tools of Data Science to lead the escalating needs of society.
5. **Career Improvement and ethics:** To build the learners with the knowledge of real time requirement of cutting edge technologies by intellectually adapt to promote employability, higher education and imbibing ethical, social and eco-friendly.

Short Term Goals

- To conduct faculty development programmers regularly for skill up gradation.
- To modernize all the laboratories
- To train and educate students as Global Citizens
- To Place teaching / tutorial material of each subject on the internet to enable students to browse at their own place of learning.
- To encourage the students to participate in intra and inter development programs.
- To conduct short-term courses for technicians to widen their knowledge.

Long Term Goals

- To create better entrepreneurs in the IT Sector
- To establish and strengthen Industry-Institute interaction and be industry solution providers.
- To strive hard to meet the social, ecological and ethical needs of the region.
- To establish State of the art research facilities in the department.
- To develop consultancy for various industries.

PROGRAM OUTCOMES (PO'S)

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. 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 considerations.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. 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.
- 11. 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.
- 12. 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 OUTCOME (PSO'S)

PSO1: Ability to design and develop applications using various Data Science tools.

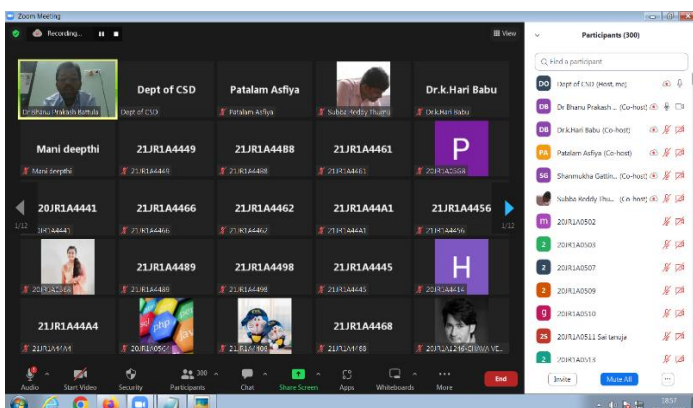
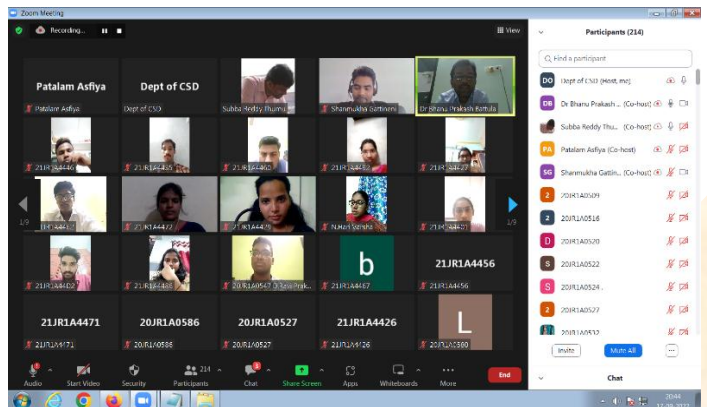
PSO2: The learners will be able to develop the knowledge of the competitive environment in success of globally acclaimed tests like GRE, TOEFL, ILTES, IES, GMAT, CAT, PSUs, and GATE etc.

GUEST LECTURES

1. Organized Guest Lecture on “Applications of Data Science” by **Dr M Ramesh**, Professor, Department of IT, RVR & JC college of Engineering on 27/07/2022.



2. Organized Webinar on “Fullstack Technology with Java” by **Mr G Shanmuka**, Fullstack Lead, Power Programmer, Infosys, Canada on 17/09/2022





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Department of CSE - Data Science
 Presents

Speaker

A ONE DAY WEBINAR ON
Fullstack Technology with Java
 17 Sept 2022 6.30 PM to 08.00 PM

Free - Registration Link:
<https://bit.ly/3BatyTa>

E-Certificates for All the Active Participants

Convener
 Dr. B. Bhanu Prakash
 HOD

Faculty - Co-ordinators
 Mr.M.A Chakravarthy, Mr A Sandeep Kumar
 Mrs Y Prasanthi, Mrs N Malathi

Contact for Queries: 9490798762

3. Organized Guest Lecture on “Current Trends in IT industry-2022” by **Mr K Seshagiri**, Principal Architect -Software Engineer, Concentrix Catalyst, Atlanta, Georgia, USA on 24/11/2022.



4. Organized Guest Lecture on *Career Development* with GATE by AST, Guntur on 24/02/2023.



WORKSHOPS

1. Organized a 10 Days workshop on **"Ethical Hacking and Cyber Security"** by **Mr Bharat, CEO, LYFAUX**, Bengaluru for III B Tech CSD from 17/08/2022 To 27/08/2022.



2. Organized a Ten Day workshop on **"Google Firebase"** by **Gagan APPS**, Bengaluru on 17th September to 26th September, 2022



3. Organized Global Certification on **Microsoft Azure** by **ICT Academy** through Honeywell for Women Empowerment from 11th October to 23rd October 2022.



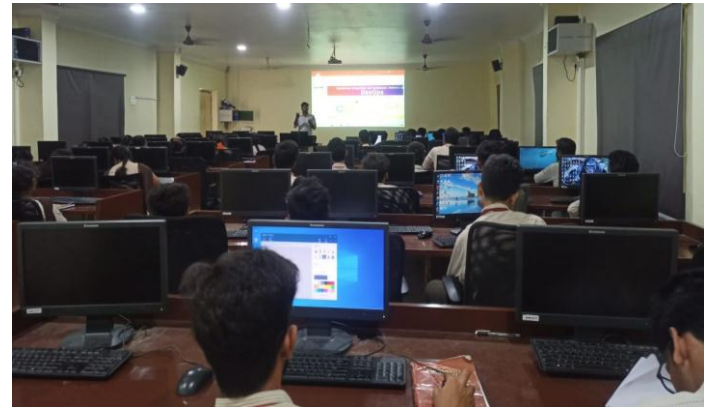
4. Organized One week workshop on **Android Application Development** from October 31st to 05th November, 2022 by **Braino Vision**, Hyderabad



5. Department of CSD organized A One Week Workshop on **MongoDB** by **CodeTantra** from 13/02/2023 to 18/02/2023.



6. Organized A Five Day Workshop on **DevOps** for III B.Tech from 23/03/2023 To 28/03/2023 by **Mr P Venkatesh**, Sr Programmer, TCS, Hyderabad.



MOTIVATIONAL CLASSES

1. Organized Motivational “*A Two Day Career Enhancement Program ELEVATE*” on 6th and 7th January 2023 by Kalam's Institute of Youth Excellence Foundation (KIYE).



2. Organized Motivational Class by **Mr K Surya**, CEO, Xlenz Inc, USA, 17/03/2023.



ACADEMIC RESULT

Batch	Name of the Year	Percentage	Position
2020-2024	II Year II Semester	86.96 %	First
	III Year I Semester	85.51%	Second
2021-2025	I Year II Semester	82.88%	Second
	II Year I Semester	79.86%	First

1. Department of CSD got First Position in 2-2 Results with 86.96% out of All Branches in the College.
2. Department of CSD got Second Position in 1-2 Result with 82.88% out of All Branches.
3. Department of CSD Secured First Position in Academic Results of 2-1 with 79.86% and Second Position in 3-1 with 85.51%.



Congratulating P.Keerthana(9.44), P.Likitha (9.44), M.Tanuja (9.30), P.V.Sneha Latha (9.30), Y.Vasavi (9.30) and P.Gopi (9.30) for getting Highest CGPA in II B.Tech I Semester from II CSD II Section.



Congratulating N Sahitya (9.16), G.Mounika (9.02), KV Vasavi(9.02),M Akhila(9.02), for getting Highest CGPA in II B.Tech I Semester from II CSD I Section.



Congratulations to Avuluri Venkata Madhavi (9.44), Chandu Bhuvaneswari (9.44), Kandula Hari Priya (9.30), Alaparathi Sneha Madhuri (9.16), Devarapalli Prabhoda (9.16), N Hari Varsha (9.16), Sakhamuri Latha Sri(9.16) And Tummala Tanuja (9.16) to secured highest CGPA in III B.Tech I Semester Results.



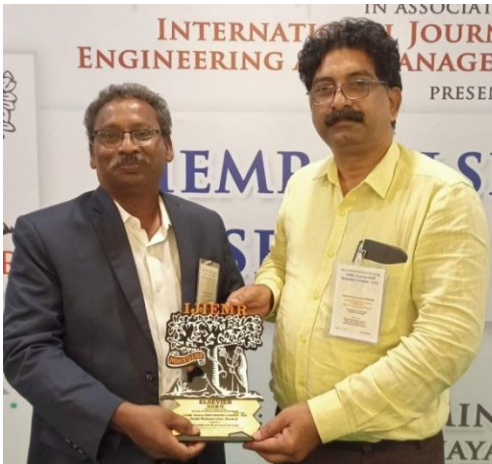
FACULTY ACHIEVEMENT



Department of CSD, All Faculty Rated by JNTUK in the month of March,2023.



Dr B.Bhanu Prakash got Dr Sarvepalli Radha Krishnan Best Teacher Award by SOLET in Aug, 2022



Dr T Syamsundar Rao, Assoc. Professor got **Best Researcher** Award by Elsevier SSRN in September, 2022.



Dr B.Bhanu Prakash got **Best Professor Award** from Indian Proud Award 2023 on 08-04-2023

A FRAMEWORK FOR CLASSIFICATION OF SPAM DATA USING ARTIFICIAL INTELLIGENCE MODELS

A SYNOPSIS

Submitted by

AYYAPPA CHAKRAVARTHI M
Roll No. 1836070049



In partial fulfillment for the requirements of the award of the degree of

DOCTOR OF PHILOSOPHY
IN
COMPUTER SCIENCE AND ENGINEERING



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FACULTY OF ENGINEERING AND TECHNOLOGY
ANNAMALAI UNIVERSITY
ANNAMALAI NAGAR - 608 002
TAMIL NADU, INDIA
2022

Mr ME Chakravarthy, Assoc. Professor Submitted Thesis on under the Annamalai University in the month of October,2022.



Dr B.Bhanu Prakash got **Best Researcher** Award by VDGGOOD Technologies, Hyderabad.



Dr B.Bhanu Prakash Appointed as a Chair for the International Conference on AI and Its Emerging Areas organized by Dept. of CSE, Narsaraopeta Engineering College on 17th & 18th March, 2023.

Ph.D Scholars Awarded by Dr. B.Bhanu Prakash

S. No	Name of the Research Scholar	Name of the University
1	Mr G Tirupathi Rao	Acharya Nagarjuna University
2	Mr K.V.S.S.Rama Krishna	Acharya Nagarjuna Univeristy

A. Faculty Publications

S No	Name of the Faculty	Title	Journal Name	SCI/SCOPUS /UGC
1	Dr B Bhanu Prakash	Android Malware Classification Using LSTM Model	International information and Engineering Technology Association (IIETA), Vol. 36, No. 5, (October, 2022), pp. 761 - 767	Scopus
		Classification of Image spam Using Convolution Neural Network”, Traitement du Signal	Traitement du Signal, Vol. 39, No. 1, (2022), pp. 363-369	SCI
		An IoT Based Smart Remote control for Television Using Emotion Recognition	International Conference on Role of Intelligence and Sustainable Engineering in Driving smart cities organized by Department of CSE, Sri Vishnu Engineering College for women from 29-31, March, 2022 Sponsored by AICTE	Springer Conference
		A Comprehensive Survey on Identification of Malware Types and Malware Classification Using Machine Learning Techniques	International Conference on Smart Electronics and Communication (ICOSEC)	IEEE Conference
2	Mr ME Chakravarthi	Classification of Image spam Using Convolution Neural Network”, Traitement du Signal	Traitement du Signal, Vol. 39, No. 1, (2022), pp. 363-369	SCI
		Classification of Social Media Text Spam Using VAE-CNN and LSTM Model	Ingénierie des Systèmes d'Information Vol. 25, No. 6, December, 2020, pp. 747-75	Scopus

B. Faculty Books Publication

S.No	Name of the Faculty	Book Title
1	Dr Bhanu Prakash & Mr ME Chakravarthi	Machine Learning Techniques

C. Faculty Patent Publication

S.No	Name of the Faculty	Patent Title
1	Dr Bhanu Prakash	Australian Govt. Patent on Network-Based Deployment Of Iot Architecture Through Software Defined Networks, Application Number: 2021105858, Date of publication is 27/10/2021
2	Mr ME Chakravarthi	USB Memory reference on 09/07/2022
3	Mr ME Chakravarthi	A Generic Framework for sonification of distributed Denial of Service 25/06/2021

D. FDPs Attended

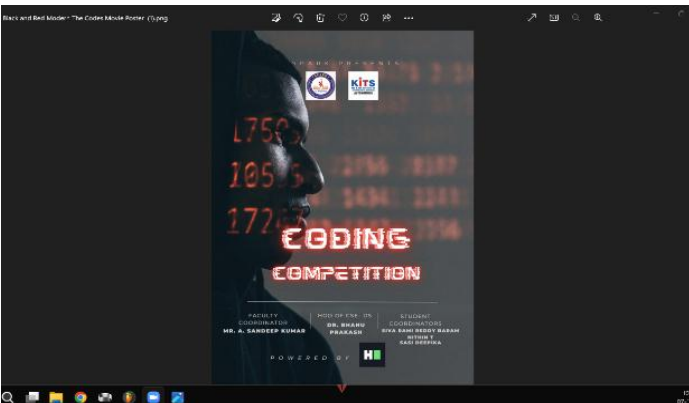
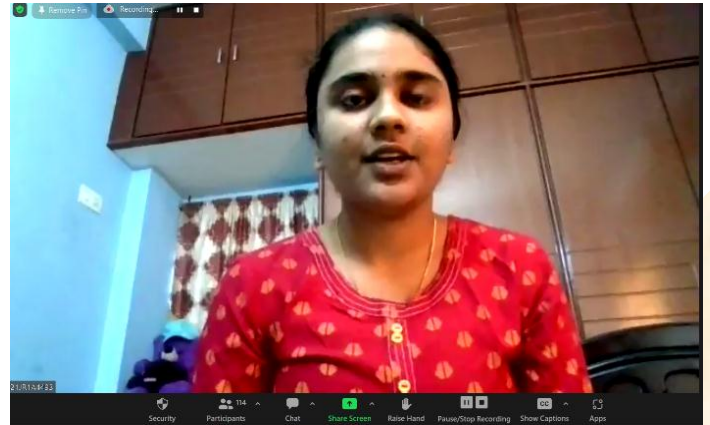
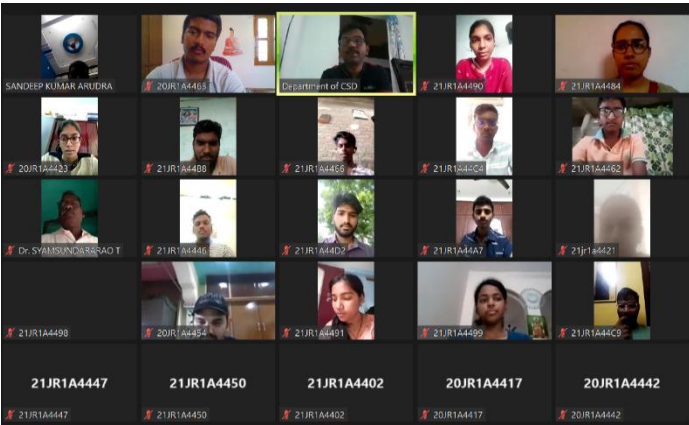
S.No	Name of the Faculty	No of FDP's Attended
1	Dr Bhanu Prakash	02
2	Dr Syamsundarao	03
3	Mr ME Chakravarthi	08
4	Mr A Sandeep Kumar	04
5	Mrs Y Prasanthi	02
6	Mrs N Malathi	02
Total		21

STUDENT ASSOCIATION (SPARK)

1. The Department of CSE-Data Science Inaugurated Students Association “*SPARK-Students Professional Association for Research and Knowledge*” on 27/07/2022.



2. Conducted **SPARK Online Events** for II & III B.Tech Students on 7th & 8th October, 2022



Smart cities

SMART CITY

- Talent Development
- Smart Environment
- Smart Buildings
- Smart Home
- Smart Street Lights
- Waste Management
- Electric Vehicle Charging
- Smart Parking
- Water Quality
- Smart Energy
- Gas & Water Leak Detection
- Public Safety
- Intelligent Shopping
- Smart Meters
- Electromagnetic Emissions

Thank You



Conducted **SPARK** Events for II & III Year students on 14th and 15th April 2023

COMMUNITY SERVICE PROJECT



Water Facility in Rural Area



Crop Rotation in Agriculture



Community Service Project



MOUs WITH INDUSTRIES

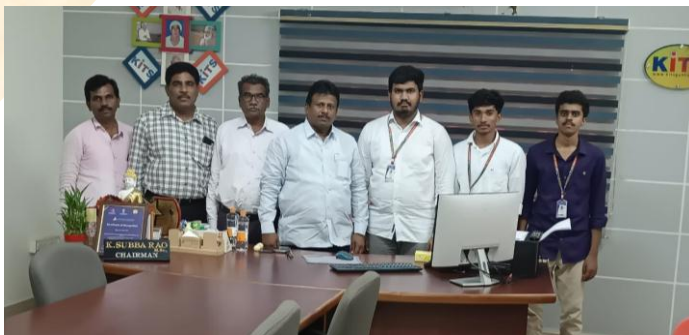


MoU with Lyfaux on 29/08/2022



MoU with ICT Academy, Chennai.

STUDENT ACHIEVEMENTS



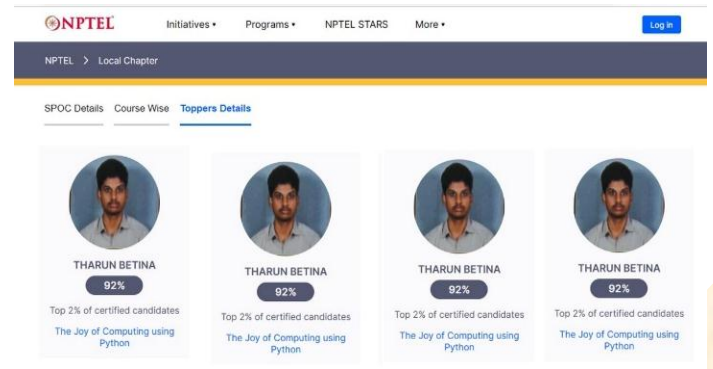
CSD Team (J Ravi Charan 21JR1A4454, J Madhav 21JR1A4457 & B. Pavan Kumar 21JR1A4441) for getting first Prize (Rs.1,80,000) in India in the part of worldwide hackthon (Virtual Mode) which is organized by Algorand Foundation, Hyderabad on 14/04/2023



Sk Mastani (21JR1A4489) of IIBTech CSD selected JNTUK Basketball Team held in RISE College, Ongole.



Department of CSD II B.Tech Students got Consolation Prize in Ideathon which organized by Aviskar Club, KITS College on 08/12/2022.



Mr B Tharun Krishna (21JR1A4440) for secured Top 2% in Python Certification course which is conducted by NPTEL, July 2022.

KITS -YUVA -2K23 Achievements





I am Happy to Share that **Algorand Foundation, Hyderabad** Shortlisted our Department of CSD Team (**J Ravi Charan,21JR1A4454**) out of 320 Teams for conducting worldwide hackthon which is held on April 13th 2023.



S. No	Roll Number	Name of the Student	II Year CGPA	Department
1	20JR1A44401	Alaparthi Sneha Madhuri	9.51	CSD
2	20JR1A4308	Gaddam Vyshnavi	9.37	CAI
3	20JR1A0419	Chattu Kaveri	9.37	ECE
4	20JR1A05E4	Shaik Reshma Feroze	9.3	CSE
5	20JR1A12H5	P. Chandra Sekhar	9.3	IT
6	20JR1A0316	Gudigopuram Teja	9.09	ME
7	21JR5A0205	V. Manasa	8.74	EEE

Alaparthi Sneha Madhuri (20JR1A44401) got **First** position with 9.51 CGPA in Second Year Academics out of all Branches in the College.

FACULTY DEVELOPMENT PROGRAM

Organized A Five Day National Level Faculty Development program on “**Microsoft Power BI**” from 20th To 24th December 2022 in Association with ICT Academy, Chennai

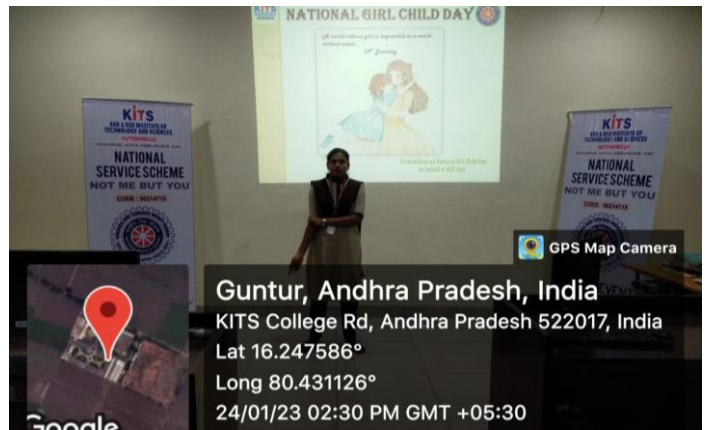


PERSONALITY DEVELOPMENT PROGRAMS

1. Organized Personality Development Program in Association with NSS on National Youth Day @ 09/01/2023.



2. Organized Personality Development Program in Association with NSS on National Girl Child Day @ 24/01/2023



TECHNICAL TRAINING

Organized Technical Training program for III years by BYTExl from 24/02/2023 To 10/03/2023.



GLOBAL CERTIFICATIONS FROM STUDENTS

64 III B.Tech Students got Global Certificates i.e Microsoft Azure AI out of 69 Students.

Year	Microsoft Azure AI/ NPTEL/Coursera/IBM/Wipro/Udemy	INTERNSHIPS
III Year	495	105
II Yr -I Sec	95	20
II Yr - II Sec	130	30
Total	720	155

INDUSTRIAL TOUR



II CSD Students went to Industrial Visit for *Sangam Dairy* and *Jindal Power Plant* on 03/04/2023 and 04/04/2023.



TEAM WORK





NCC EVENTS



CULTURAL & EXTRA CURRICULAR ACTIVITIES

