

SPECIAL POINTS OF INTEREST:

- Technology Trends in 2021
- Department Events
- Technical Interview questions
- Student Articles

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About JBIET

As one of the top ten most preferred institutions in Telangana, JBIET continues to strive to impart technical (engineering) and professional education of very high standards.

The aim of JBIET is to mould young learners into globally competitive professionals who are professionally deft, intellectually adept and socially responsible.



Sri. J.V. Krishna Rao HRA
(USA) -Secretary
J.B. Educational Society

The expert faculty at JBIET inculcate the best values and principles, ascribing to a modern curriculum; while the students imbibe pragmatic perception and a pro-active nature, which spurs them towards exploration and advanced inquiry, resulting in valuable insights.

The Placement record of JBIET over the years is proof of our right efforts in enabling the best in class engineering, technical and professional education to aspirants.

The College offers various UG & PG Courses.

JBIET'S VISION & MISSION

Vision

To be a center of excellence in engineering and management education, research and application of knowledge to benefit society with blend of ethical values and global perception.

Mission

- To provide world class engineering education, encourage research and development.
- To evolve innovative applications of technology and develop entrepreneurship.
- To mould the students into socially responsible and capable leaders.

About Department



The Department of Computer Science & Engineering was started in the year 2015. It offers Undergraduate Programmed, B. Tech Computer Science & Engineering, which prepares students for the recent and forthcoming demands of industry and the research world.

The Department offers a Master's Programme namely, M. Tech in Computer Science & Engineering. This programme prepares students to become leaders in knowledge driven professions.

The immensely dedicated and highly professional faculty members in the Department are active in the Research Areas of Artificial Intelligence, Machine Learning, Data Science, Network Security, Wireless Networks, Block Chain Technologies, Big Data, Data Mining, Data Analytics, Cloud Computing etc.

Department has well equipped and state-of-the-art Laboratories to train students in various technologies. The Department also makes use of the Innovation Laboratories to train its UG and PG students in the respective technology areas and research.

The Department has many Adjunct Professors/Professor of Practice who typically have positions at Industry or other Premier institutions to bring in the industry expertise and research rigor in our programmes provide specialized supervision of student projects.

The students of CSE Department are placed in various top MNCs like IBM, Accenture, Cap Gemini, Cognizant, Wipro, Infosys, Mind tree, etc. with an emolument in the range of 2.86 Lakhs to 9.75 Lakhs per annum.

About Department

Vision

To meet the emerging trends in computer Science and Engineering, strive for self-reliance enabled through high end research by adapting a futuristic approach.

Mission

M1: To impart qualitative education, prepare students refurbish their latent talents and aspire for a pragmatic career in Computer Science and Engineering.

M2: To provide an ambiance to develop strategic areas of advance study with perception to foster industry centric education in Computer Science and Engineering.

M3: To inculcate self-learning among students to make them self-reliant and socially responsible.

Program Educational Objectives (PEOs)

Program outcomes are narrower statements that describe what students are expected to know and be able to do upon the graduation. They are formed in line with the graduate attributes of NAAC. These relate to the Skills, knowledge, attitudes, values and behavior outcomes that students acquire through the program.

PEO1	To prepare graduates to apply the knowledge and skills acquired in Mathematics, Basic Science and Engineering to succeed in their career, pursue research and or obtain higher / advanced degree.
PEO2	To prepare graduates to learn emerging technologies, work in multidisciplinary fields, apply computer engineering solutions within a global, societal, environmental context, acquire leadership qualities and enable them to become successful entrepreneurs.
PEO3	To prepare graduates communicate effectively, exhibit professionalism with integrity, morals, ethical conduct and engage in lifelong learning.

Program Specific Outcomes (PSOs)

PSO 1	Ability to design and develop computing system using mathematical knowledge and expertise other disciplines.
PSO 2	Ability to test and analyse quality of various systems to integrate them in larger computer systems.

About Department

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, research literature, and analyse 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 specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of 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 modelling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to professional engineering practice.
PO7	Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
PO9	Individual and Teamwork: Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary 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 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. Any signatory needs to provide an overview of its learning outcomes and confirm that compliance of programs.



Dr. Putti Srinivasa Rao, Ph.D
Hod Department of CSE

"People worry that computers will get too smart and take over the world, but the real problem is that they're too stupid and they've already taken over the world."

Message from HOD

I feel privileged to head the Department of Computer Science and Engineering. The department has consistently maintained an exemplary academic record. The greatest asset of the department is its highly motivated and learned faculty.

The objective of the department is to prepare students for successful careers in industry, research and academics to meet the needs of growing technology.

"We are what our thoughts have made us. So take care about what you think. Always be a part of the solution, do not be the part of problem. Always try to update your knowledge else, you will be outdated. If you want success do all the things you are supposed to do, then you need not search for shortcuts".

Technology Trends in 2021

Social Robots

A social robot is an artificial intelligence (AI) system that is designed to interact with humans and other robots.

Although daily integration of robotics is still too pricy, robots are gradually becoming more and more involved in different industries. For example, this year, scientists in Hong Kong who developed the famous cyborg, Sophia, released a new robotic medical assistant, Grace. The demand for this technology arose out of the need for more healthcare workers during COVID-19.



Mr.D.Himagiri, M.Tech

Assistant Professor,CSE Dept.

Faculty Accomplishments

Research Paper Publications

- Dr.P. Srinivasa Rao Published, paper entitled **“Chip-scope based speed Optimization of scalable Deep Learning Accelerator Unit using VHDL”**, held at the Journal Of Interdisciplinary Cycle Research, volume no XIII , ISBN/ISSN:0022-1945 in February 2021.
- Mrs.Anusha Ampavathi, presented a paper entitled **“A Secure Approach to Shortest Query in Structured Peer Networks”** held at Complexity International Journal (CIJ), indexed in UGC, Volume No 25, dated 01, March 2021.
- Mrs.Anusha Ampavathi, presented a paper entitled **“Automated Evaluation of Telugu Text Essays Using Latent Semantic Analysis”** held at Turkish Journal of Computer and Mathematics Education, indexed in Scopus, Vol.12 No. 5 (2021), ISBN/ISSN:1888-1890 on April 5 2021.
- Mr.M. Naveen Babu, presented e-paper entitled **“Fake Profile Identification Using Machine Learning”** held at IJRAMT, Volume 2, Issue 6, ISSN :(Online): 2582-7839 (print) in June 2021.
- Mr.S.Satish Kumar published e-paper entitled **“ A Simple Framework for Assessing Facial Attractiveness Using Computer Vision and Machine Learning Technique “** held at IJRCCE, Volume 9, Issue 6 | e-ISSN: 2320-9801, p- ISSN: 2320-9798 in June 2021.
- Mr.N. Tirumala Rao published e-paper entitled **“Real Time Smart Attendance System Using Face Recognition”** held at IJRAMT, Volume 3, Issue 6 | ISSN(Online): 2582-7839 in June 2021.
- Dr.P.Srinivasa Rao ,published e-paper entitled **“Event Management App Using Flutter”**, held at IJSREM, Volume: 05 Issue: 07 | ISSN: 2582-3930 in June 2021.
- Dr.K.Rama Krishna published e-paper entitled **” Securing Cloud Data under Key Exposure”** held at IJRCCE, Volume 9, Issue 6 | e-ISSN: 2320- 9801, p- ISSN: 2320- 9798 in June 2021.
- Mr.Najeeb-ur-Rahman, Published e-paper entitled **“Human Blood Cells Recognition By Using Deep Learning”** held at conference IJSREM, Volume : 05 Issue: 07 | ISSN: 2582-3930 in June 2021.
- Mr.K.Srikanth ,published e-paper entitled **“Predicting the Fame of YouTube Videos”** at conference IJSRET, Volume 10,Issue 6 | ISSN: 2319-8753, p- ISSN: 2320-6710, in June 2021.
- Mrs.Sasikala Dhamodaran published e-paper entitled **“Detection of Epileptic Seizure using EEG and Machine Learning Algorithms”** Volume 10,Issue 7 | e-ISSN: 2319-8753, p- ISSN: 2320-6710, in June 2021.

Faculty Accomplishments

- Dr.Niraj Upadhayaya, published e-paper entitled **“Face Aging Using Generative Adversarial Network”** held at IJIRSET, Volume 10,Issue 6 | ISSN: 2319-8753, p- ISSN: 2320-6710 , in June 2021.
- Mr.M.Naveen Babu, published e-paper entitled **“Fake Profile Identification Using Machine Learning”** held at IJRAMT, Volume 2,Issue 6 | ISSN(Online): 2582-7839 , in June 2021.
- Dr.Niraj Upadhayaya, published e-paper entitled **“Sketch To Color Image Using Generative Adversarial Networks”** held at IJIRSET, Volume 10, Issue 7 | I ISSN: 2319-8753, P- ISSN: 2320-6710, in June 2021.
- Mr.Himagiri Danapana e-paper entitled **“Major Depression Disorder Detection Using Sentiment Analysis in Machine Learning”** held at conference IJIRCCE, Volume 9,Issue 6 | e-ISSN: 2320-9801, p- ISSN: 2320-9798 , in June 2021.
- Mr.S.Satish Kumar Published e-paper entitled **“Intentness Time Tracking In Online Educator Conduct Concourse”** held at IJIRSET, Volume 10,Issue 6 | e-ISSN: 2319-8753, p- ISSN: 2320-6710,in June 2021.
- Mr.G.Sreenivasulu, Published e-paper entitled **“Identification and Classification of Drones Using KNN”**, held at conference IJIRCCE ,Volume 9, Issue 6| e-ISSN: 2320-9801, p- ISSN: 2320-9798 , in June 2021.
- Dr.Niraj Upadhayaya, Published e-paper entitled **“Creating an autonomous agent using machine learning”** held at conference IJIRCCE ,Volume9 Issue 6 | e-ISSN: 2320-9801, p- ISSN: 2320-9798, in June 2021.
- Mr.Abhay Kumar of CSE Dept. has Published an e-paper on the topic **“Character Text Generation Using Machine Learning”** held at IJIRCCE, Volume 9, Issue 6 |e-ISSN: 2320-9801, p-ISSN: 2320-9798 in June 2021.
- Dr.K.Rama Krishna of CSE Dept. has Published an e-paper entitled **“Securing Cloud Data under Key Exposure”** held at IJIRCCE, Volume 9, Issue 6 | e-ISSN: 2320-9801, p-ISSN: 2320-9798 in June 2021.
- Dr. Niraj Upadhayaya, Prof CSE and Dean R&D has completed successfully online certification Programme on **“Design Thinking & Innovation”** held from 12/06/2021 by Indian Institute of Technology, Delhi.

Faculty Accomplishments

(Conference / Patent / Paper / Book Publication Etc.,)

Patents Published

- Dr. Niraj Upadhayaya filed a patent in the topic **“System for Integrated monitoring and management of Agriculture and related parameters using IoT”** dated on 16-05-2021.
- Dr. Niraj Upadhayaya filed a patent in the topic **“System for Depression Detection using Textual and Emoji Analysis in Social Media through Machine Learning”** dated on 11-06-2021.
- Dr. Niraj Upadhayaya filed a patent in the topic **“Novel IOT based AI approach to Health care monitoring and Controlled system”** dated on 14-06-2021.
- Mr.M.Raj Kumar, filed a Patent named **“A Vehicle Simulation Tool By Providing WSN Inside The Vehicle With AI & MI Based Interfaces”** which was approved by Intellectual Property Rights of India on 11/06/2021.

Publications

- Dr.G.Sreenivasulu has published a paper on the topic **“A Novel Feature Selection Method in IDS System Using Multi Objective Genetic Algorithm and Support Vector Machine for Smart grid Communication Network”** in the Journal named International Journal of Scientific and Engineering Research dated June 1st 2021.
- Mrs. Anusha Ampavathi has published a paper on the topic **“A Secure Approach to Shortest Query in Structured Peer Networks”** in the Journal named Complexity International Journal(CIJ) dated June 11 2021.
- Dr. P. Srinivasa Rao has published a paper on the topic **“Enhanced Classification in Elevated Dimensional Data”** in the Journal named Complexity International Journal (CIJ), Volume 25, Issue 01 dated March 2021.
- Dr. D.Sasikala has published a paper on the topic **“Forecasting Fuel Depletion of Automobiles through Machine Learning Algorithms”** in the Journal named Winter and Spring, Vol No.12, Issue No. 3, S No. 3., Page nos. 1272-1284, dated March 2021.
- Dr. Niraj Upadhayaya, Prof CSE and Dean R&D has completed successfully online certification Programme on **“Design Thinking & Innovation”** held from 12/06/2021 by Indian Institute of Technology, Delhi.

Faculty Accomplishments

FDP (One Week / 2 or 3 Day)

- Dr. Niraj Upadhayaya, Prof CSE and Dean R&D participated in FDP on “Digital Devices: Safety & Security “ organized by Cognizance Academia, Coimbatore on 23 May 2021.
- Dr. Putti Srinivasa Rao ,participated in a 5-day workshop on” Design Thinking “organized Satyabhama Institute of Science and Technology from 21-06-2021 to 25-06-2021.
- Dr. Putti Srinivasa Rao ,participated in” Passion Preneur Masterclass” conducted by Dev Gadhvi University from 28-03-2021 to 30-03-2021.
- Mr. Himagiri Danapana participated in 4 days FDP on “Outcome Based Education (OBE) and Accreditation Process” organized by ATAL Academy from 14-06-2021 to 18-06-2021.
- Mr. Himagiri Danapana participated in 5 days FDP on “Quantum Computing” organized by ATAL Academy from 21-06-2021 to 25-06-2021.
- Mr.S.Satish Kumar Participated in 5 days FDP on topic “Unleashing The Potential of Data Science for Engineers” organized by Dept. of CSE, P.R.Patel College, Amravati from 07-06-2021 to 11-06-2021.

Conferences:

- Mr. Abhay Kumar has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on “**Data Science in Engineering Applications**” held during 08/02/2021 to 13/02/2021 organized by Anurag Group of Institution, Ghatkesar, R. R. District, Telangana.
- Mrs.Anusha Ampavathi has received participation certificate on "**Machine Learning & Its Applications**" (Phase-I) from 09 Feb. 2021to 15 Feb. 2021held at R. C. Patel Institute of Technology, Shirpur.
- Mr.N. Thirumala Rao has participated and completed successfully one-week Short Term Training Programme on “**Deep Learning Tools & Applications in Engineering & Science**” Sponsored by AICTE New Delhi Organized by School of Computer Engineering & Technology, MIT Academy of Engineering, Alandi ,Pune during 10 May2021 to 15 May 2021.
- Mrs.Anusha Ampavathi has participated and completed successfully one-week Short term Training Programme on “**Deep Learning Tools & Applications in Engineering & Science**” Sponsored by AICTE New Delhi Organized by School of Computer Engineering & Technology, MIT Academy of Engineering, Alandi, Pune during 10 May2021 to 15 May 2021.

Seminars/Workshops/FDPS

1.FDP:

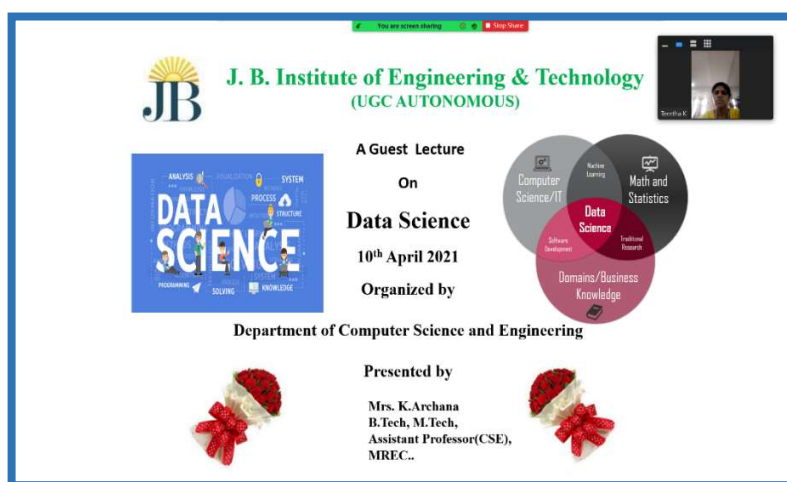
The Department of CSE conducted an AICTE-Sponsored Two-Week Faculty Development Programme on “Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs” from 22nd February to 6th March, 2021.



Seminars/Workshops/FDPS

2.GUEST LECTURE:

The Department of CSE, JBIET conducted a Guest Lecture on the topic “Data Science” On April 10th2021 for the benefit of Final Year Students by Mrs.K.Archana M.Tech, Assistant Professor(CSE Dept.), MREC ,Hyderabad.



Guest Lecture on”Data Science” Conducted on 10-04-2021

3.WORKSHOP:

The Department of CSE, JBIET conducted an online 3 days workshop on the topic “APPLICATIONS OF CLOUD COMPUTING” through ACM Chapter & CODE HUB Club from 17/06/2021 to 19/06/2021.



A 3-day Workshop on “Applications of Cloud Computing” conducted from 17/06/2021 to 19/06/2021

Faculty Accomplishments

“Books allow you to fully explore a topic and immerse yourself in a deeper way than most media today”

- Dr.P.Srinivasa Rao, HOD CSE Conducted a 12-day workshop on “**Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs**” organized by Dept. of CSE JBIET, Hyderabad from 22-02-2021 To 06-03- 2021.
- Dr.Niraj Upadhayaya, participated and received certificate in FDP on “**Digital Devices: Safety & Security**”organized by Cognizance Academia, Coimbatore on 23 May 2021.
- Dr.Putti Srinivasa Rao, participated and certified in a 5-day workshop on ‘**Design Thinking**’ organized by Sathyabama Institute of Science and Technology from 21-06-2021 to 25-06-2021.
- Dr.Putti Srinivasa Rao, participated in “**Passion Preneur Masterclass**” conducted by Dev Gadhvi University from 28-03-2021 to 30-03-2021.
- Our CSE Faculty Mr. Himagiri Danapana participated in 4 days and obtained certificate in FDP on “**Outcome Based Education (OBE) and Accreditation Process**” organized by ATAL Academy from 14-06-2021 to 18-06-2021.
- Our CSE Faculty Mr. Himagiri Danapana participated and received certificate in 5 day FDP on “**Quantum Computing**” organized by ATAL Academy from 21-06-2021 to 25-06-2021.
- Our CSE Faculty Mr.Raj Kumar Attended 6 days AICTE Sponsored Online Short Term Training Programme (STTP) on “**Emerging Trends in Nanomaterials for Electronic and Optoelectronic Devices**” organized by Swarnandra College of Engineering and Technology (Autonomous), Kakinada from 17-05-2021 to 22-05-2021.
- Ms.Pooja Prem Kumar attended 12-day workshop on “**Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs**” organized by Dept. of CSE JBIET, Hyderabad from 22-02-2021 To 06-03- 2021.
- Mr.Naveen Babu attended 12-day workshop on “**Advanced Artificial Intelligence Technologies and Leveraging Open Frameworks and SDKs**” organized by Dept. of CSE JBIET, Hyderabad from 22-02-2021To 06-03- 2021.
- Mr.S.Satish Kumar attended Awareness workshop on “**NIRF Rankings-2021 for Higher Educational Institutions**” organized by Institute for Academic Excellence, Hyderabad from 18-01-2021 to 19-01-2021.
- Mr.S.Satish Kumar participated in National Conference on “**Innovations in Information and Communication Technologies (NCHICT 2021)**” organized by Dept. of CSBS and ISE ,at Bannari Amman Institute of Technology, Tamilnadu from 07-05-2021 to 08-05-2021.

Student Triumphs

- Our CSE Students Giragani Anusha, Aleti Shivani, Kalyani, Jangalla Meenakumari presented e-paper in the topic **‘Fake Profile Identification Using Machine Learning’** at IJRMT, conference printed in E-Journal, Volume 2, Issue 6 | ISSN(Online): 2582-7839 in June 2021.
- Our CSE Students B.Chandra Sekar, K. Sai Yeshwanth, S. Varun Reddy, P. Jayanth Reddy presented e-paper on the topic **‘A Simple Framework for Assessing Facial Attractiveness Using Computer vision and Machine Learning Technique’** held at conference IJRCCE, in E-Journal, Volume 9, Issue 6 | e-ISSN: 2320-9801, p-ISSN: 2320-9798 in June 2021.
- Our CSE students Jakkula Vinay, Mateti Harish, Ch. Sai sumanth, Dachepally Ramya published paper entitled **“Real Time Smart Attendance System Using Face Recognition”** at IJRMT, Volume 3, Issue 6 | ISSN(Online): 2582-7839 in June 2021.
- Our CSE Students H. Nandha Kumar, K. Sai Prasad, G. Sowsheel, K. Om Prakash published paper entitled **“Event Management App Using Flutter”** at IJSREM, Volume: 05 Issue: 07 | ISSN: 2582-3930 in June 2021.
- Our CSE students Karrolla Shashi Preetham, Payam Kavya, Pedasanagan ti Shirisha, published e-paper entitled **“Securing Cloud Data under Key Exposure”** held at IJRCCE, Volume 9, Issue 6 | ISSN: 2320-9801, p-ISSN: 2320-9798 in June 2021.
- Our CSE students Sai Lakshman, B. Arun, M. Karthik published paper on the topic **“Human Activity Recognition Using Deep Learning”** held at conference IJSREM, Volume : 05 Issue: 06 | ISSN: 2582-3930 in June 2021.
- Our CSE Students P. Jagan Kumar, L. Raghuvaran Published e-paper Entitled **“Human Blood Cells Recognition By Using Deep Learning”** held at conference IJSREM, Volume : 05 Issue: 07 | ISSN: 2582-3930 in June 2021.
- Aditi Srishyla, Akhila Akkunuri, K. Sai Prasad, Yandapally published e-paper entitled **“Predicting the Fame of YouTube Videos”** at conference IJSRET, Volume 10, Issue 6 | ISSN: 2319-8753, p-ISSN: 2320-6710, in June 2021.
- Our CSE students V. Vishnuvardhan, J. Udveg Reddy, T. Sandeep Kumar, P. Sandeep published e-paper entitled **“Detection of Epileptic Seizure using EEG and Machine Learning Algorithms”** Volume 10, Issue 7 | e-ISSN: 2319-8753, p-ISSN: 2320-6710, in June 2021.
- Our CSE Students Badikala Anusha, Deva Ramya, published e-paper entitled **“Face Aging Using Generative Adversarial Network”** held at IJRSET, Volume 10, Issue 6 | ISSN: 2319-8753, p-ISSN: 2320-6710, in June 2021.

Student Triumphs

- Our CSE Students Ch.Anuritha, K.Sandhya Rani ,R.Radhika , S.Aishwarya , Published e-paper entitled **“Character Text Generation Using Machine Learning”**,held at IJIRCCE , Volume 9 Issue 6 | e-ISSN: 2320-9801, p- ISSN: 2320-9798 in June 2021.
- Our CSE Students G. Nikhila ,A.Prasanna, Manideep, Published e-paper entitled **“Creating an autonomous agent using machine learning”** held at conference IJIRCCE ,Volume9 Issue 6 | e-ISSN: 2320-9801, p- ISSN: 2320-9798, in June 2021.
- The Students of CSE B.Sainath reddy,Bodapati Charan Sai,Komuraju Shiva ,Published e-paper entitled **“Identification and Classification of Drones Using KNN”** held at IJIRCCE, Volume 9,Issue 6 |e-ISSN: 2320-9801, p- ISSN: 2320-9798, in June 2021.

STELLAR SPORTS PERFORMERMANCE:

Vinod of II CSE Participated in the Hockey team held at JNTUH .



Mr.Chandra Vamshi Yadav of I CSE Participated in Wrestling won the title held at JNTUH





(Accredited by NAAC, Approved by AICTE
& Permanently Affiliated to JNTUH)

JB Educational Society

Campus:

Bhaskar Nagar, Moinabad Mandal

R.R. District, Hyderabad

Telangana State, India-500075



08413-235127

J.B.I.E.T. has well-built infrastructural amenities, such as adequate developed area, well-equipped laboratories, libraries and information centers with digitalization and automation and online transaction facilities in the campus. All facilities such as Medical, Transport, Canteen and Games & Sports are accessible besides Seminar Halls, Conference Halls, Indoor Auditorium, Open-Air Theatre and Banking.



Data Trusts

Introduction

Although private companies amass large data collections, they do not always effectively prevent this information from being hacked. That is why the European Union initiative **The Trust Project** is spending €7 million budget on amassing and protecting user data.

Data Trust Definition

Data Trust Opportunities provides the members to benefit from the aggregated data, often through new data insights or predictions which can motivate data sharing. The legal agreements cover what data is to be shared, who owns it, who can use or view it and how it is to be used. The platform is a technology solution where the actual data is uploaded, stored, aggregated and viewed. The data and/or the users who provided it can be anonymized, if required as defined by the agreement.



Benefits of a Data Trust

Data sharing and access – A single source of truth!

A Data Trust provides one central single source of truth for your data across all stakeholders, trustees, researchers and participants.

Stakeholders and data access and data use

With a Data Trust you have full security and control over who can access the data, how much, where and What they can do with it.

Safer products (food and cosmetics)

When you look at aggregate data from all parties, suppliers and manufacturers you get to stand back and see the full picture. You get to see what's going on everywhere. You can more easily discover anomalies, trends and risk factors and as a result, you can produce safer products. all by sharing data.

Data privacy and anonymity

Who can see the data and what they can see is an important question. Often there is quite sensitive data feeding into the Trust. Who can access it is absolutely in an entirely user-defined case dependent. It's all about the granularity of who gets to see what and where, and agreeing that up front.

Aggregating data for insights

Data trusts can aggregate data from many different organizations and sources thus providing a larger data set which contains more insights and predictive power than any individual organization's data on its own.

Dr.Arun Sampaul Thomas,M.Tech,Ph.D

Professor, CSE Dept.

