



SR
UNIVERSITY



School of
Computer Science &
Artificial Intelligence

NEWS LETTER

HALF YEARLY | MAR TO SEP 2023



***Imparting the value-based education through Global Exposure
"A Hub of Excellence in Smart City"***

School of Computer Science and Artificial Intelligence

The Department of Computer Science and Engineering was established in the year 2002. At Present 2023 the Strength has reached around 4005+ students and 113 Faculties Running successfully with the specializations of Computer Science, Artificial Intelligence Machine Learning ,Data Science, Cyber Security Around 186 PhD Scholars in Computer Science

Vision and Mission

- ▶ Be a leader in Promoting Computer Science and Engineering education
- ▶ M1: Build knowledge of Computer Science and Engineering Knowledge in students by implementing novel educational experiences
- ▶ M2: Develop effective instructional infrastructure resources
- ▶ M3: Promote interdisciplinary learning
- ▶ M4: Contribute to community development activities

Dr. Sheshikala Martha

Professor & Associate Dean



HOD'S Message

The School of Computer Science and Artificial Intelligence has recorded consistent improvement in its Academic, Placement and Research performances. It offers a range of innovatively designed scheme, whose curricula is constantly updated to meet the ever changing requirement of the corporates and to meet the expectations of major stakeholders. We have designed our syllabus to strike a balance between professional knowledge and personal skills. We are confident that our current curriculum has enabled the overall development of blooming professionals to meet the expectations of the corporate and research world. During study at the department, the students are encouraged to get hands-on experience in the potential areas desired by corporate world and research organizations through innovative pedagogical methods ensuring participation of all types of learners with supporting state of the art infrastructure.

The majority of our graduates were hired by well-known companies both in India and elsewhere. Every year, a sizable number of students apply to prominent universities all over the world. Our department works extremely hard to uphold the ideals upon which it was established. I firmly feel that our students have continually outperformed expectations of research organisations and the business world, fitting in seamlessly with their job profiles.

With all of these factors, one may conclude that our students are truthful, smart, diligent, practical, and effective in any work situation.

We are happy to see numerous firms interested in visiting our department for Industry backed projects and campus recruitment, as this reinforces our trust in the success of our curriculum and its readiness to meet the dynamic corporate world.

With this quick introduction, I would like to invite you to join us on our mission to become a world-class centre of excellence in teaching, training, and research.

WHY SRU

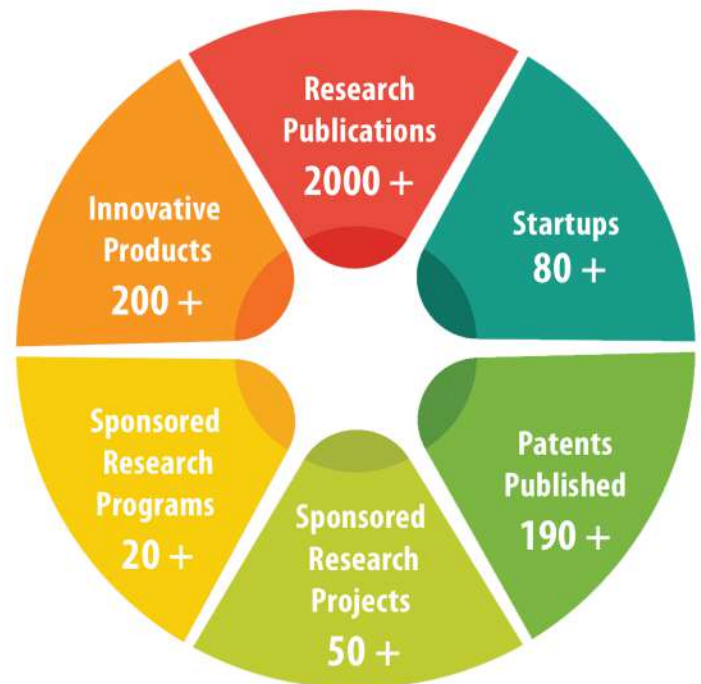
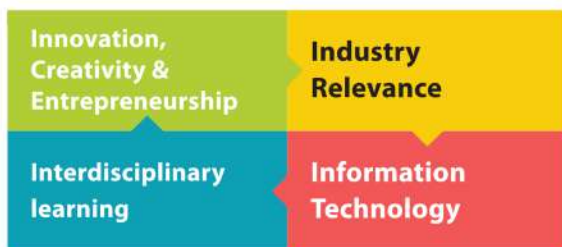
outstanding contribution from faculty and students include patents, research publications, sponsored projects and research programs

Vision

To accelerate the pace of transformation and advancement of the Regional Innovation Ecosystem through Academic Excellence, Industry Relevance, and Social Responsibility.

Innovative Experiences for Next Generation Change Makers

SR University has been built on the strong foundation set by SR Engineering College over the past 22 years. The college has provided innovative entrepreneurial learning ecosystem in Telangana, facilitating students to think out of the box and come up with creative solutions to modern day challenges. The core values that are common to each program offered at our University are as follows:



Accreditations & Recognitions



NAAC 'A'
GRADE
ACCREDITED

nirf
98 ALL INDIA RANK
IN ENGINEERING
CATEGORY



1ST RANK
ALL INDIA RANK IN
PRIVATE INSTITUTES
CATEGORY

NBA
NATIONAL BOARD
OF ACCREDITATION

TIER 1
ALL INDIA RANK
IN ENGINEERING
CATEGORY

Centers of Excellence



- Center for Experiential Learning
- Technical Centers
- Innovation, Creativity & Entrepreneurship
- Research & Development



- Center for Materials & Manufacturing
- Center for AI & Deep Learning
- Center for Embedded & IoT Systems
- Center for Construction Materials and Methods
- Center for Emerging Energy Technologies
- Center for Creative Cognition
- Nest for Entrepreneurship in Science & Technology
- Collaboratory for Social Innovation
- Center for Design
- R&D Cell
- Industry- Institute Partnership Cell

■ *New MOUs Initiated and in which are in stage*



SR University and Paper Sign Software & PrimePro Learning, signed a Memorandum of Understanding (MOU) to facilitate and foster an environment of growth, success, & innovation for students which will e-nable them.



For more information contact

+91 833 100 4040 / 833 100 3030

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■ Staff Publication Q1 Papers

Dr. Debajyoty Banik	CSE	Assoc. Prof	Resnet based hybrid convolution LSTM for hyperspectral image classification	Multimedia Tools and Applications	SCIF	82	20	1-12	3.6	Springer	Q1
Dr. Premkumar Chithaluru	CS&AI	Assoc. Prof	An improved energy-efficient cloud-optimized load-balancing for IoT frameworks	Heliyon	SCIF	NA	NA	1-16	4	Elsevier	Q1
Dr. Premkumar Chithaluru	CS&AI	Assoc. Prof	An Enhanced Consortium Blockchain Diversity Mining Technique for IoT Metadata Aggregation	Future Generation Computer Systems	SCIF	NA	NA	1-15	7.5	Elsevier	Q1
Mr. D.Ramesh	CSE	Asst. Prof.	An automated essay scoring systems: a systematic literature review	Artificial Intelligence Review	SCIF	55	3	2495-2527	12	Springer	Q1
Dr. Santosh Kumar	CS&AI	Asst. Prof.	Observational Constraints on generalized dark matter properties in the presence of neutrinos with the final Planck release	Physics of the Dark Universe	SCIF	42	101363	07	5.09	Elsevier	Q1
Dr. Debajyoty Banik	CSE	Assoc. Prof	Sentiment induced phrase-based machine translation: Robustness analysis of PBSMT with senti-module.	Engineering Applications of Artificial Intelligence	SCIF	126	1	106977	8	Elsevier	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Second-order convergence analysis for Hall effect and electromagnetic force on ternary nanofluid flowing via rotating disk	Scientific Reports	SCIF	12	1	18769	4.6	Nature	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Radiation mechanism on dissipative ternary hybrid nanoliquid flow through rotating disk encountered by Hall currents: HAM Solution	Alexandria Engineering Journal	SCIF	65	1	543-559	9.1	Elsevier	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	A case study of heat transmission in a Williamson fluid flow through a ciliated porous channel: A semi-numerical approach	Case Studies in Thermal Engineering	SCIF	41	1	102523	6.8	Elsevier	Q1

■ Staff Publication Q1 Papers

Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Elastic deformation of thermal radiative and convective hybrid SWCNT-Ag and MWCNT-MoS ₄ magneto-nanofluids flow in a cylinder	Results in Materials	Scopus	17	1	100380	4.7	Elsevier	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Thermal analysis in an electrically conducting fluid with multiple slips and radiation along a plate: A case study of Stokes' second problem	Case Studies in Thermal Engineering	SCIF	44	1	102831	6.8	Elsevier	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Entropy generation and current density of tangent hyperbolic Cu-C ₂ H ₆ O ₂ and ZrO ₂ -Cu/C ₂ H ₆ O ₂ hybridized electromagnetic nanofluid: A thermal power application	South African Journal of Chemical Engineering	Scopus	46	No	1-11	7	Elsevier	Q1
Dr. Shamshuddin MD	CSE	Asst. Prof. (M)	Case study of thermal and solutal aspects of non-Newtonian Prandtl hybrid nanofluid flowing via a stretchable sheet: Multiple slip solution	Case Studies in Thermal Engineering	SCIF	49	No	103186	7	Elsevier	Q1
Dr. A. Siva Krishna	CSE	Assoc. Prof.	Wireless sensor network assisted automated forest fire detection using deep learning and computer vision model	Multimedia Tools and Applications	SCIF	NA	NA	NA	4	Springer Nature	Q1
Dr. M. Sheshikala	CSE	Professor & Head	Analysis of transcriptome of single-cell RNA sequencing data using machine learning	Multimedia Tools and Applications	SCIF	27	13	9131-9141	3.7	Springer	Q1

■ WORKSHOP CONDUCTED FACULTY DEVELOPMENT CONDUCTED

Orientation Programme

Date: 10.07.2023

Date: 11.07.2023

Venue: SRIX Auditorium

■ Workshop on

Applications in IoT

Date: 11th to 12th
September, 2023



Prof. S R N Reddy
Professor, Dept of CSR

■ Faculty Development Program On Cloud Practitioner

Date: 03rd to 07
July, 2023



■ Guest Lectures

Guest Lecture on data mining

Date: 06th September,
2023



Ms. P. Archana
Assistance Professor

■ Expert Talk @SRU

Future Goal Towards Research

Date: 06th September,
2023



Dr. Debajyoty Banik
Assistance Professor

■ EXPERT TALK @SRU

Applications of Graph theory to Computer Networks

Mr. Sudhakar Nuthi

Senior Staff software
Engineer Genzeon Technology
Solutions Pvt. Ltd

DATE: 08-11-2023



Dr. Mamta Chauhan

■ EXPERT TALK @SRU

How to get Grants and Research Projects In ISRO

DATE: 23-09-2023

Scientist / Engineer - SD Indian
Institute of Remote Sensing,
ISRO, Dehradun

■ EXPERT TALK @SRU

Microprocessor and Computer Architecture

Date:11th October
2023



Arun Kumar
Project Manager

■ EXPERT TALK @SRU

Human Computer Interaction and Data Science

Date:07th October,
2023



Dr.Mathew Palakal
Professor Emeritus

■ Innovision

Where Creativity Meets Conversation

Date:13th October,
2023



■ EXPERT TALK @SRU

IoT and Industry 4.0- Technology

Date:01th November,
2023



R. RAMAKRISHNA
PRINCIPAL DIRECTOR, MICROSOFT

■ EXPERT TALK @SRU

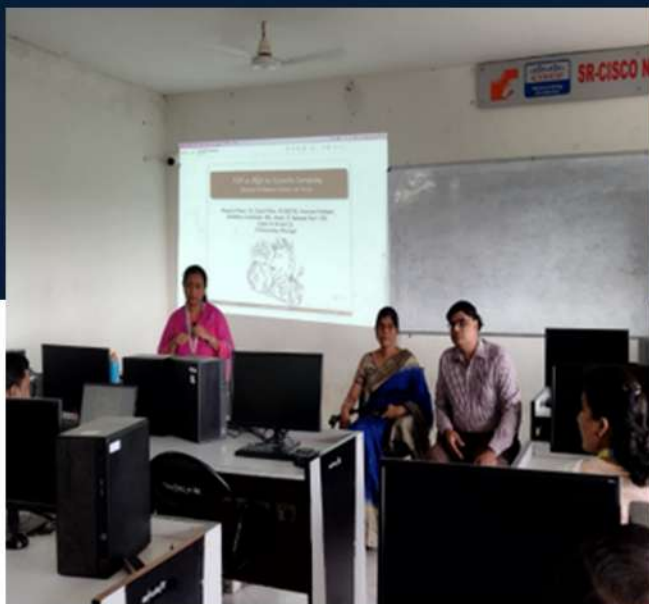
Role Of Statistics in Machine

Date:09th November,
2023



Dr.K.Pravin
(Sr.Data Scientist) Natfist Pvt.Ltd

Latex Workshop for research Scholars("Started") @ CSAI on 05 August, 2023



One day hackathon conducted by Talentio(05 June,2023) on the topic "FULL STACK"



Industrial Visit to ISRO-HYDERABAD



Students get feel of space tech

It certainly is a remarkable and educational experience, exposing students to the latest advancements in remote sensing and satellite technology, says SRU Vice-Chancellor Prof Deepak Garg

HANS NEWS SERVICE
WARANGAL

THE SR University (SRU) students' industrial visit to the National Remote Sensing Centre (NRSC), a key constituent of the Indian Space Research Organisation (ISRO), on Thursday was a productive one, the SRU Vice-Chancellor Prof. Deepak Garg said. It certainly is a remarkable and educational experience, exposing students to the latest advances



SRU students at the NRSC-ISRO, Hyderabad, on Thursday

ments in remote sensing and satellite technology, he said. The students were given an introductory session by Dr. Jaya Saxena, Head of SPID, TEOG, NRSC. It gave a comprehensive overview of NRSC's pivotal role in advancing Earth observation technology and its significant contributions to various domains, including agriculture, disaster management, and environmental monitoring. The highlight of the visit was an extensive tour of the facility, where students had the unique opportunity to witness state-of-the-art satellite ground stations, data processing centers, and satellite integration areas. This hands-on experience provided students with valuable

insights into the intricate processes involved in acquiring, processing, and analysing satellite data.

During the visit, students engaged in interactive sessions with experts who shared their vast knowledge and experiences in developing and operating remote sensing satellites. This direct interaction allowed the students to gain a deeper understanding of the practical applications of remote sensing technology.

"We are delighted to have hosted the students from SRU at our Outreach Facility," said Dr. Prakash Chaudhari, Director of NRSC. "It is our endeavor to inspire and nurture the next generation of space scientists and technologists. We hope that this visit has provided them with valuable knowledge and motivation to pursue careers in the field of space technology and remote sensing."

■ HACKATHON-2023

12 Hours Programming HACKATHON

Date:22 September,
2023

Programming HACKATHON

Date:07th October,
2023

12
HOURS





The School of CS & AI conducted a fantastic workshop on Applications in Data Science, featuring guest speaker Dr. Ashish Ranjan from IIIT Sonapat. Fellow students learned much! We're already looking forward to the next one."



- We are thrilled to announce that our esteemed institution has just hosted the inaugural **"Campus to Career"** event, organized exclusively for our **Coding Club** members. The event Resource **persons** **Mr. Sivarama Krishna Koneru (Technical Evangelist)** and **Areefa (Data Scientist) from ZENGEON Software Solutions**, shared their valuable insights and experiences with our eager participants. They discussed the latest trends, career opportunities, and the skills required to excel in the tech industry.



■ **Rohan Sai Ampaty (2103A52083)** along with my teammate **Yashaswini Gayathry Amalapurapu (2103A52041)** received participation certificates- for the conference. **International Conference on Computing and Communication Networks (ICCCNet-2023)** organised by **Manchester Metropolitan University, Manchester, United Kingdom** on **17th-18th November 2023**. Paper titled '**Ovulation Day Prediction Using Machine Learning**' is Accepted as a regular paper and will be processed for Publication in the **Springer Series "Lecture Notes in Networks and Systems"** [ISSN: 2367-3389; 2367-3370]



Mr.T.Nihal for the contribution as a volunteer for the **Telangana's largest youth carnival - prost.** organized by **student tribe** powered by **telangana state innovation council** on **12 march 2023**





- **Mr. T.Nihal** Participated in **Workshop on Drones** Sumshodhini'22 national level technical symposium organized by **ISTE KITSW Student chapter (TS016) & Technical Club - SAC KITSW**
18th -19th November 2023



■ Students Achievements


SR UNIVERSITY

Congratulations to our student, Prince Vijay Santhosh K, on completing 4 Microsoft professional certifications!

■ Students Achievements



SR
UNIVERSITY

Among all
#1 THE PRIVATE
ENGINEERING
INSTITUTIONS
IN TELANGANA

nirf NATIONAL
INSTITUTIONAL
RANKING
FRAMEWORK 2022
98th RANK IN
ENGINEERING
CATEGORY

CSE Student Secures

Batch 2024 **Highest**
Package of
34.4 LPA

Yalla Krishnaveni
Placed in



www.sru.edu.in



The NCC cadets of SR university
CPL Krishnaveni
on successful completion of
All India Thal Sainik Camp
(AITSC) organised by Director
General NCC at New Delhi.

■ Faculty Achievements

G.Sunil Reddy received Best Performing Center of Excellence (CoE) Coordinator-2023 award from Eduskills during the Next GENSkill Conclave 2023



- **Listed out one among the 2% Scientist's released by Stanford University worldwide and published by Elsevier. The ranking list is created based on the bibliometric information retrieved from Scopus which comprises standardized information on citations, h-index, co-authorship adjusted hm-index, citations to papers in different authorship positions and a composite indicator (c-score).**



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■ Faculty Awarded Phd



***Celebrating the amazing accomplishment of Dr. P. Pramod Kumar!
Congrats to Dr. P. Pramod Kumar for a well-deserved honour. The future
of CS&AI is bright with Dr. P. Pramod Kumar leading the way and empowering
the next generation. Hats off to Dr. P. Pramod Kumar for successfully defending
his Ph.D. viva voce!***

■ Faculty Received Seed Grant

**SR
UNIVERSITY**

**NAAC
A' GRADE
ACCREDITED**

**nirf**

98
ALL INDIA RANK IN
ENGINEERING CATEGORY

**Dr. E.L.N. Kiran Kumar**
Assistant Professor, Dept. of CS & AI

Project Title
Prediction of imbalance Stress
and Emotional Cognitive
Functions in Engineering
Students using ML Approach

**Received a 1 LAKHS
SEED GRANT**

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■ Usage Statistics of Coursera, Edx

Name	Total Registered		Number of Completed		Total Courses Registered	
	No. of Faculty Registered	No. of Students Registered	No. of Courses Completed Faculty	No. of Courses Students Completed	Total Courses Registered	No. of Students Courses Completed
Coursera	62	448	62	2825	50	3763
Edx	-	840	-	1754	0	-
Turnitin	13	NA	NA	NA	NA	NA

ALUMNI MEET 2023 (17th September 2023)



■ Number of Publications and Patents During Jun-Aug 2023

SCI	Scopus Journal	Conference	Books	Book Chapter	Total	No of Patents Filed
10	26	28	04	02	70	3

Planned to Showcase the Under Graduate Projects

Title of the Project
Smart device for child safety with parental alerts
Generating multiple style cartoon images using neural style transfer and VGG19 model
CornGuard: Fortifying Agriculture with Deep Learning for Corn Disease Prediction and Forecasting
Recipe Recommendation based on ingredients using Deep learning
Touchless Dining: Creating an Innovative Hand Gesture Menu System
Creating a Question and Answer model using LangChain Framework and Generative AI
Mood based music recommendation system using machine learning
Revolutionizing Customer Support: Harnessing Generative AI for Automated Customer Care Services
Detection of tiger roar sound for identification and conservation in the forest by implementing machine intelligence
Content based text summarisation using sequential approach
Monitoring and emergency assistance with night time autonomous software
Predictive Stress Analysis for IT Professionals: Harnessing Machine Learning for Well-being
Stellar Enlightenment on enhancing Star Categorization for Astronomical insights
Secure Block Chain Money Transaction Project
Prediction of Intrusion Attacks using Machine Learning Approach

Placement Highlights



KAPARTHI JAHNAVI
opentext™
10 LPA



SANGA SUHAAS
opentext™
10 LPA



N.BHARATH CHANDRA
opentext™
10 LPA



PANUGANTI NISHWITH
opentext™
10 LPA



PAGADALA SUSHMA
opentext™
10 LPA



BANDA SNEHITHA
opentext™
10 LPA



AALETI BHARATH
opentext™
10 LPA



KARAN RATHI
opentext™
10 LPA

■ Placement Highlights



GATLA THARUN
opentext™
10 LPA



EDUNURI HARANI REDDY
opentext™
10 LPA



MOHD AFROZ
opentext™
10 LPA



BATHINI VINEETHA
opentext™
10 LPA



DARAM YAGNASRI
opentext™
10 LPA



ANJANA MALLALA
opentext™
10 LPA



SABA TABASSUM
opentext™
10 LPA



JANJARLA SAI VENKATA MOULYA
opentext™
10 LPA



GAJJELA VARSHITHA
opentext™
10 LPA



LAKKIREDDY ABHINAV REDDY
opentext™
10 LPA



YALLA KRISHNAVENI
opentext™
10 LPA



B.AKSHITH RAO
opentext™
10 LPA