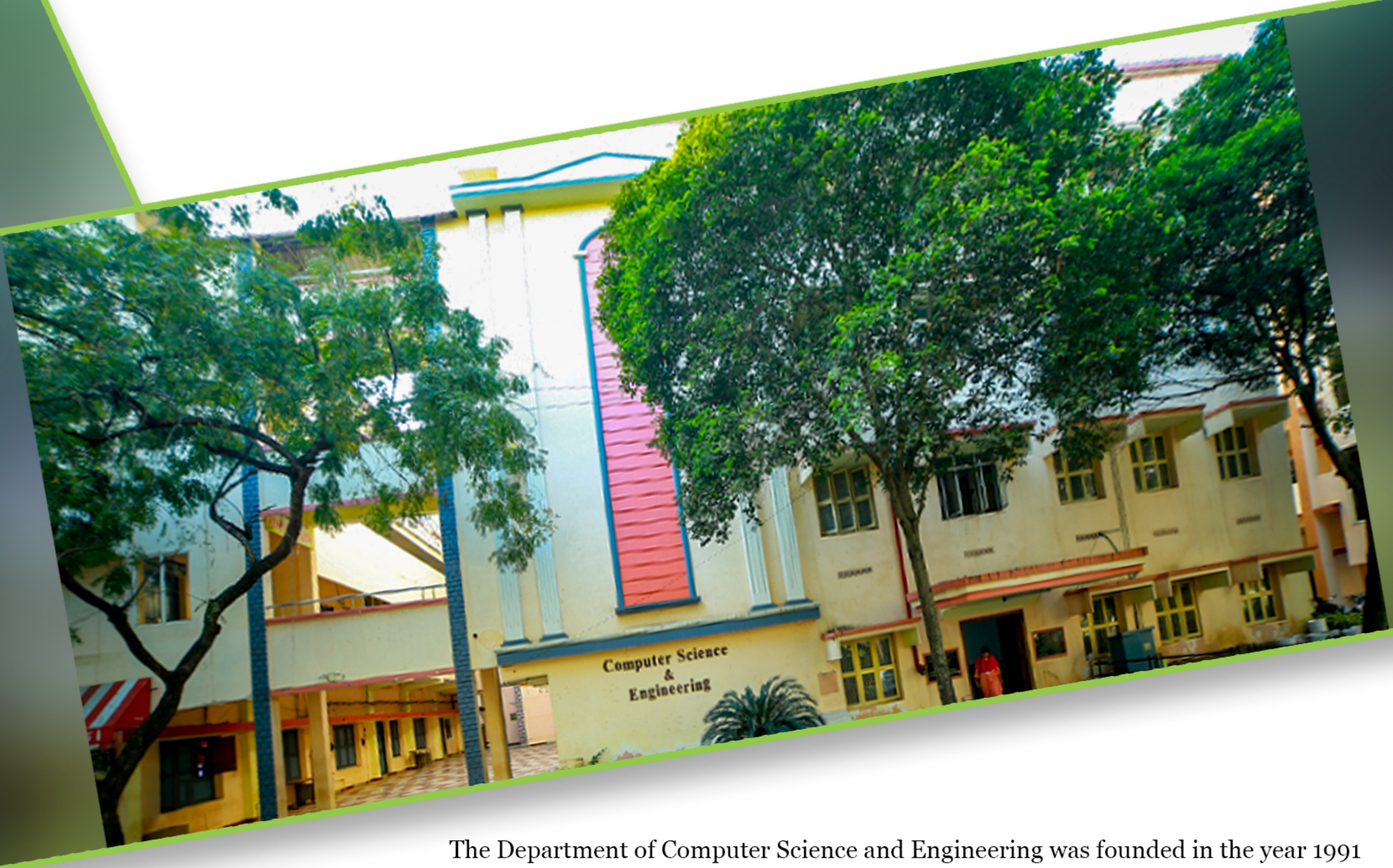




S R K R ENGINEERING COLLEGE (AUTONOMOUS)

COMPUTER SCIENCE & ENGINEERING



The Department of Computer Science and Engineering was founded in the year 1991 by people who had a vision. This vision was how Computer Science and Engineering would fit into the unique spirit of S R K R Engineering college, an institution oriented to an unusual degree around under graduate education and close interdepartmental collaboration. One of the strengths of the department is well qualified and well experienced faculty. Presently having 3 Professors and 4 Associate Professors with 8 Ph.D., degrees and the Professors and Associate Professors have an average experience of 20 years, Assistant Professors having M.Tech., degrees with an average experience of 9 years. All the faculty are very much involved in research activity and doing research projects funded by DST, UGC, AICTE etc

WORKSHOPS & SEMINARS

One day workshop on “DevOps” was organized by Department of Computer Science & Engineering on 18th Mar,2023. where 272 students participated in both workshop and the Speakers are Keerthi Kota and Srikanth Reddy Arika

SRKR ENGINEERING COLLEGE (A)
CHINNAMIRAM, BHIMAVARAM- 534204

**A 3 DAY WORKSHOP ON
"DEVOPS"**

FROM 18-03-2023 TO 20-03-2023

IN ASSOCIATION WITH SWECHA SOFTWARE PRIVATE LIMITED

Resource Persons

COORDINATORS
DR. N. K. KAMESWARA RAO,
ASSOCIATE PROFESSOR,
DEPT OF CSE

KEERTHI KOTA,
SENIOR SOFTWARE ENGINEER,
VALUE LABS

SRIKANTH ARIKA,
SOFTWARE DEVELOPER,
INFOSYS

COORDINATORS
SRI S. SURYANARAYANA RAJU,
ASSISTANT PROFESSOR,
DEPT OF CSE

Organized by
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

About SRKR Engineering College

Sagi Rama KrishnamRaju Engineering College (SRKR), established in 1980, is a self financed academic institution of co-education striving to provide high quality technical education to engineering aspirants. Over the years, the college has established itself as a premier institution imparting technical education of a very high standard leading to the 11 undergraduate programmes, 6 post graduate and 8 Ph.D. programmes. S.R.K.R. engineering college was established with a mission to develop the institution into a world-class centre of excellence in the field of technical education that fosters research and essentials of employability

Brief Profile of the Department of CSE

Department of Computer Science and Engineering, was established in the year 1991 with B.Tech. (CSE) program and an intake of 40. It has grown by leaps and bounds over the last three decades with intake increased to 300 by 2016. It has started M.Tech.(CST) in the year 2006 with an take of 18. The department was recognised as research centre by Jawaharlal Nehru Technological University Kakinada (JNTUK). The department has all the necessary infrastructure, highly qualified and experienced faculty for a better teaching learning experience to students. The courses offered in the department meet the requirements of both industry and research. Department of CSE is accredited thrice by NBA. The department takes pride of its graduating students and many of whom are leaders in academia, industry, government and a few are highly successful entrepreneurs

DevOps Workshop
18 - 20th March 2023

Speakers
Keerthi Kota
Senior Software Engineering,
Value Labs
Srikanth Arika
Software Developer, Infosys

Convenor
Dr. V. Chandrasekhar
(HOD, CSE, SRKREC)

Coordinators
Dr. N. K. Kameswara Rao
Sri S. Suryanarayana Raju

Organized by
Department of Computer Science and Engineering

CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS PRESENTED TO

NAKKA BINDU LATHA

for participating in a three day workshop on DEVOPS organized by Computer Science & Engineering Department, SRKR Engineering college in association with Swecha, Andhra Pradesh from 18-03-2023 to 20-03-2023.

Dr. M. Jagapathi Raju
Principal
SRKREC

Dr. V. Chandra Sekhar
Convenor & HOD - CSE
SRKREC



A Seminar on “Some Automated Functions in Space System” is being organised by the Department of Computer Science & Engineering on 17th Mar, 2023 in which the resource person is Dr. MYS Prasad ,Former ISRO Director

SRKR ENGINEERING COLLEGE (A)
BHIMAVARAM

**A SEMINAR ON
"SOME AUTOMATED FUNCTIONS IN SPACE SYSTEMS"**

DATE: 17-03-2023 , TIME : 09:00 AM

CONVENOR
Dr. V. CHANDRA SEKHAR,
HOD -CSE

COORDINATORS
Dr. V.M.N.S.S.V.K.R. GUPTA,
ASST.PROF. DEPT OF CSE
SRI R. SHIVA SHANKAR,
ASST.PROF. DEPT OF CSE

Resource Person
**Dr. M.Y.S. PRASAD,
Former ISRO DIRECTOR**

Organized by
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Chief Patrons

Sri. S. Prasad Raju
President, SRKREC

Sri P. Krishnam Raju
Honorary Chairman, SRKREC

Sri G. Rama Raju
Vice President, SRKREC

Sri S.V. Ranga Raju
Vice President, SRKREC

Sri S.R.K. Nishant Varma
Secretary Cum Correspondent, SRKREC

Patrons

Dr. K.S. Vijaya Narasimha Raju
Member, Governing Body, SRKREC

Sri S. Satya Pratik Varma
Member, Governing Body, SRKREC

Dr. M. Jagapathi Raju
Principal, SRKREC

OBJECTIVE

To introduce to students complex automation in Space Systems using powerful on-board and ground computers and connected software and algorithms.



About S.R.K.R. Engineering College

Sagi Rama Krishnam Raju Engineering College, established in 1980, is a self financed academic institution of co-education striving to provide high quality technical education to engineering aspirants. Over the years, the college has established itself as a premier institution imparting technical education of a very high standard leading to the 11 undergraduate programmes, 6 post graduate and 8 Ph.D. programmes. S.R.K.R. engineering college was established with a mission to develop the institution into a world-class centre of excellence in the field of technical education that fosters research and essentials of employability.

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S.R.K.R. Engineering College (Autonomous)
Shimavaram
www.srkrec.edu.in

**One day Seminar on
Some automated functions in Space Systems**

17th March 2023

Speaker
Dr. M. Y. S. Prasad
(Former ISRO Director)

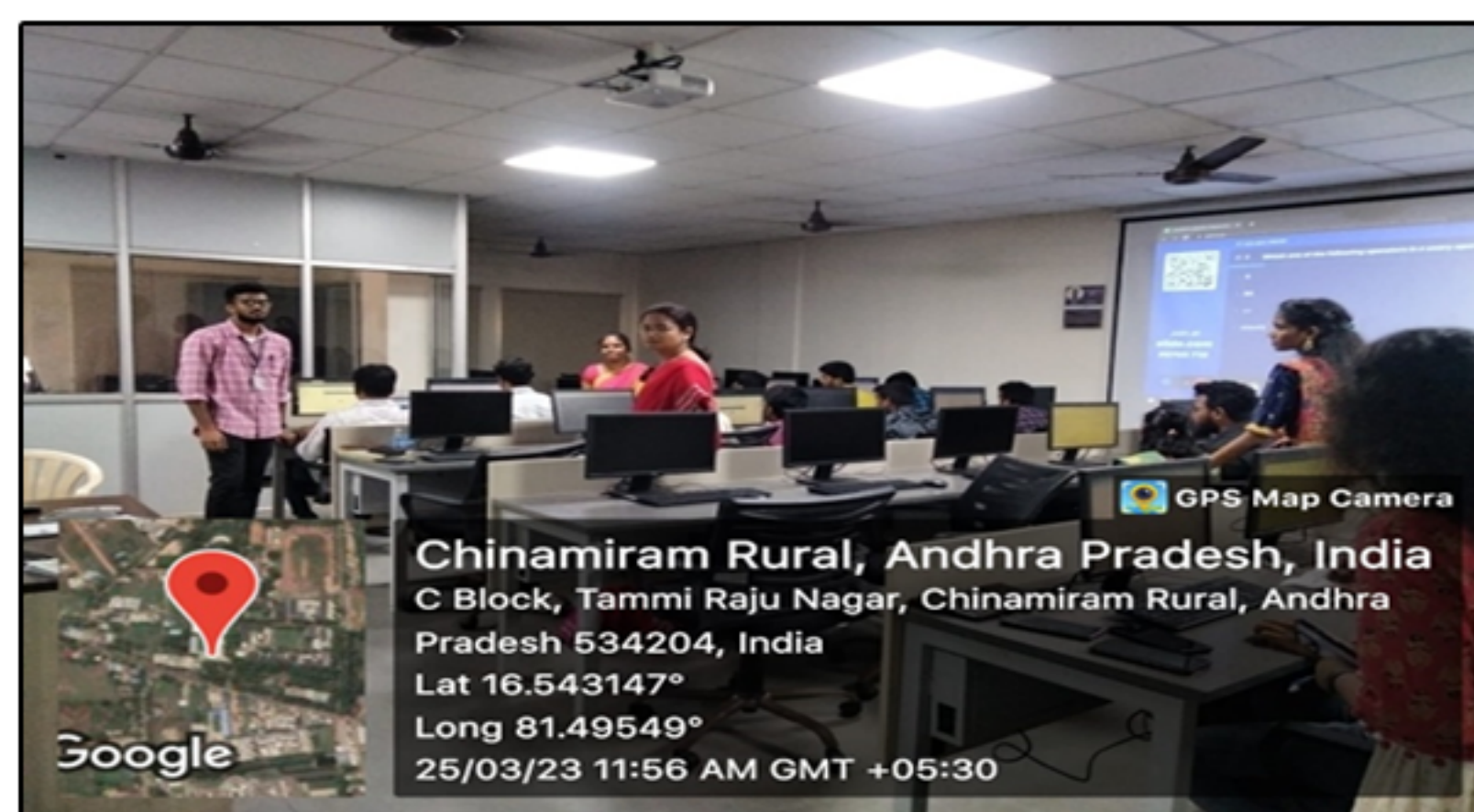
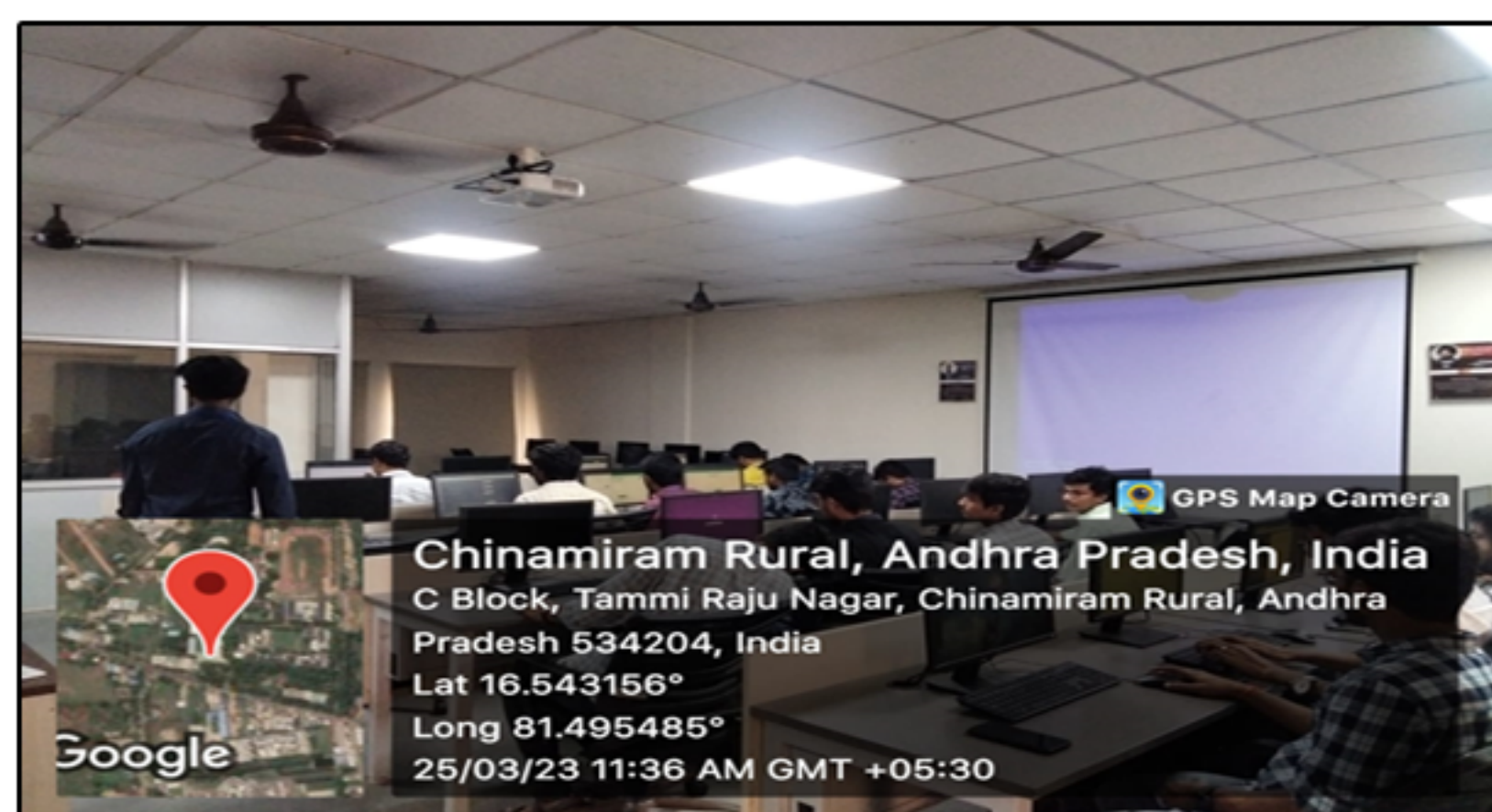
Convenor
Dr. V. Chandrasekhar
(HOD, CSE, SRKREC)

Coordinators
Dr. V.M.N.S.S.V.K.R Gupta
Sri. R. Shiva Shankar

Organized by
Department of Computer Science and Engineering



A Technical Event named “Codenite” is being organised by the Department of Computer Science & Engineering on 25th Mar, 2023



One-day seminar on “World Environment Day (WED)” is being organised by the Department of Computer Science & Engineering on 5th June, 2023 where 228 students attended the seminar



OUTREACH EVENTS

Awareness on Latest Technologies was conducted by the Department of Computer Science & Engineering on 13th Mar, 2023 for the students of Z.P.H School in which 75 students participated.

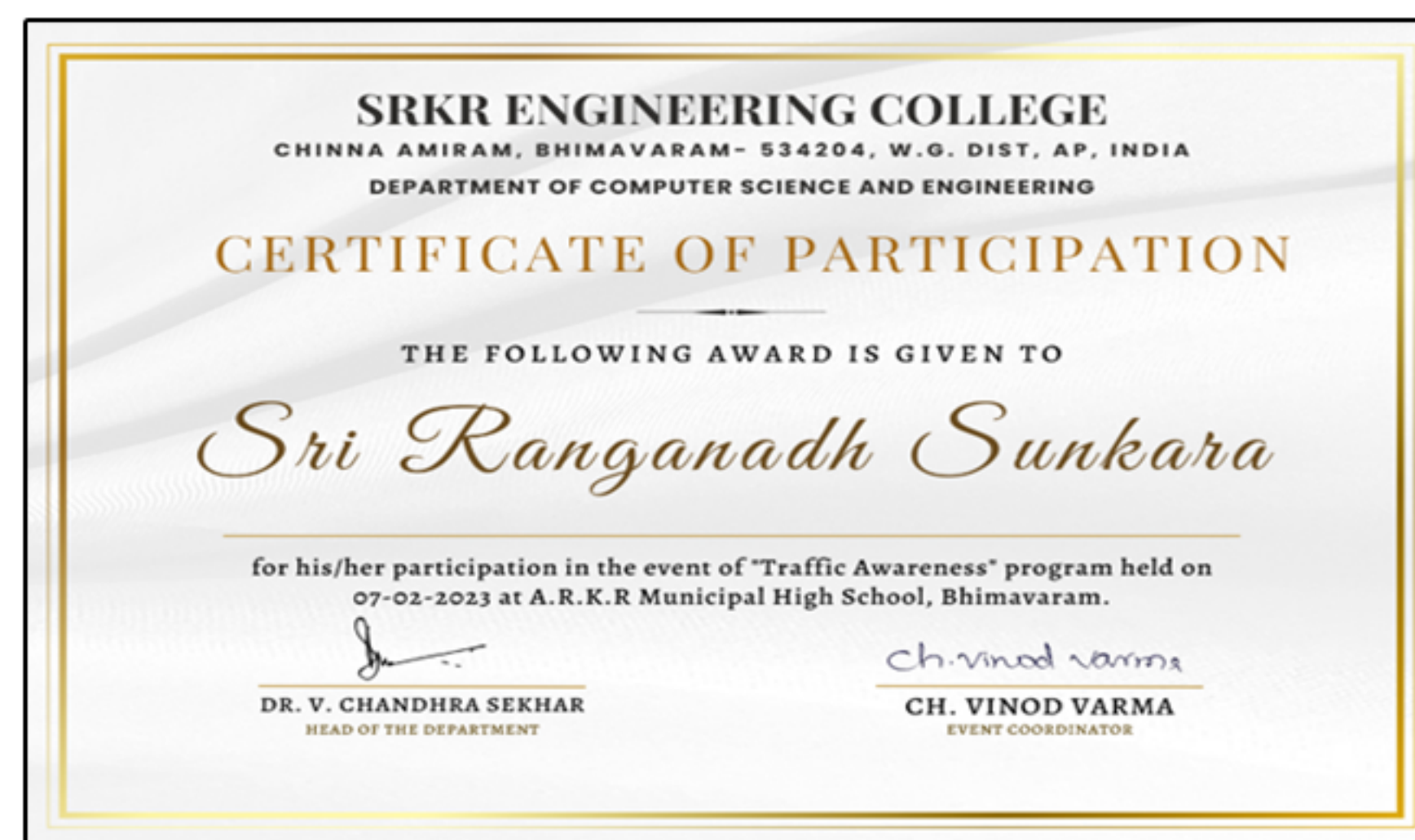


A Awareness Program on “Stay safe online” was conducted by the Department of Computer Science & Engineering on 27th Feb, 2023 for the students of A.R.K.R High School to make them understand about Internet Safety.



OUTREACH EVENTS

Awareness on “Program Traffic” by the Department of Computer Science & Engineering on 7th Mar, 2023 for the students of A.R.K.R School in which 75 students participated.



ACE STUDENT ACTIVITIES

ONTAKO 2K23

“Ontako 2k23” held from 2nd Feb to 4th Feb, aimed to provide a real-time placement drive experience for 3rd year students. Rounds included coding, group discussions, and interviews. Top performers were recognized winners, receiving prizes and certificates.

The event was conducted in a structured manner, with rounds held on separate days. Rd 1 included MCQs and coding, Rd 2 had group discussions, and Rd 3 involved HR and technical interviews. Winners included Charan Sai (1st), Balaji (2nd), Jahnvi (3rd), and Sai Soumya (4th).



PRAJWALAN

"PRAJWALAN" was a Hackathon organized by the CSE department. The event had a prize pool of 30,000/-. It consisted of three rounds: Idea Submission, Idea Presentation, and Grand Finale held from 16th Feb to 24th Mar. Participants formed teams of 3-6 members and developed prototypes within 24 hours. Winners were awarded cash prizes and certificates.

"PRAJWALAN" was a Hackathon targeting tech-inclined individuals. Participants submitted ideas, presented them, and competed in a 24-hour coding event. The event received a huge response, with over 26,602 impressions and 420 registrations for the initial rounds. A total of 311 participants made it to the Grand Finale. Winners included Binary Brains (1st place), Lunch Box (2nd place), and Sign Squad (3rd place). They were awarded cash prizes and certificates.



FROLIC

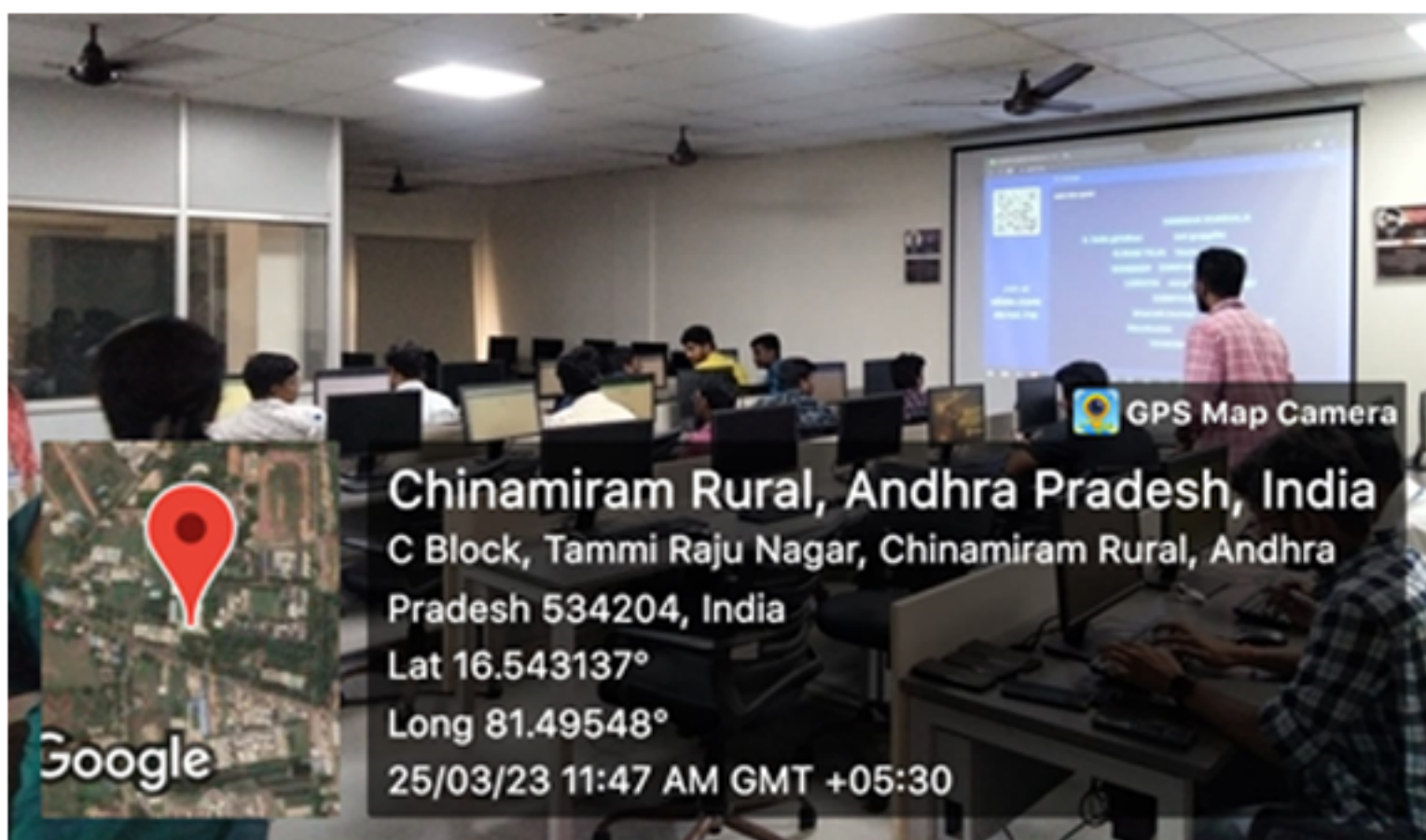
A cultural event was conducted for CSE 3rd-year students on February 4th from 2pm to 5pm in the CSE New Seminar hall. The event featured 15 performances and began with a devotional song at 2:15pm. The principal and HOD presented prizes to the winners of ONTAKO at 3:30pm, and the performances continued until 5pm.



SPURTHI 2K23

21/03/2023

Codenite Winners : S.Manikanta, Padam Jagadeesh



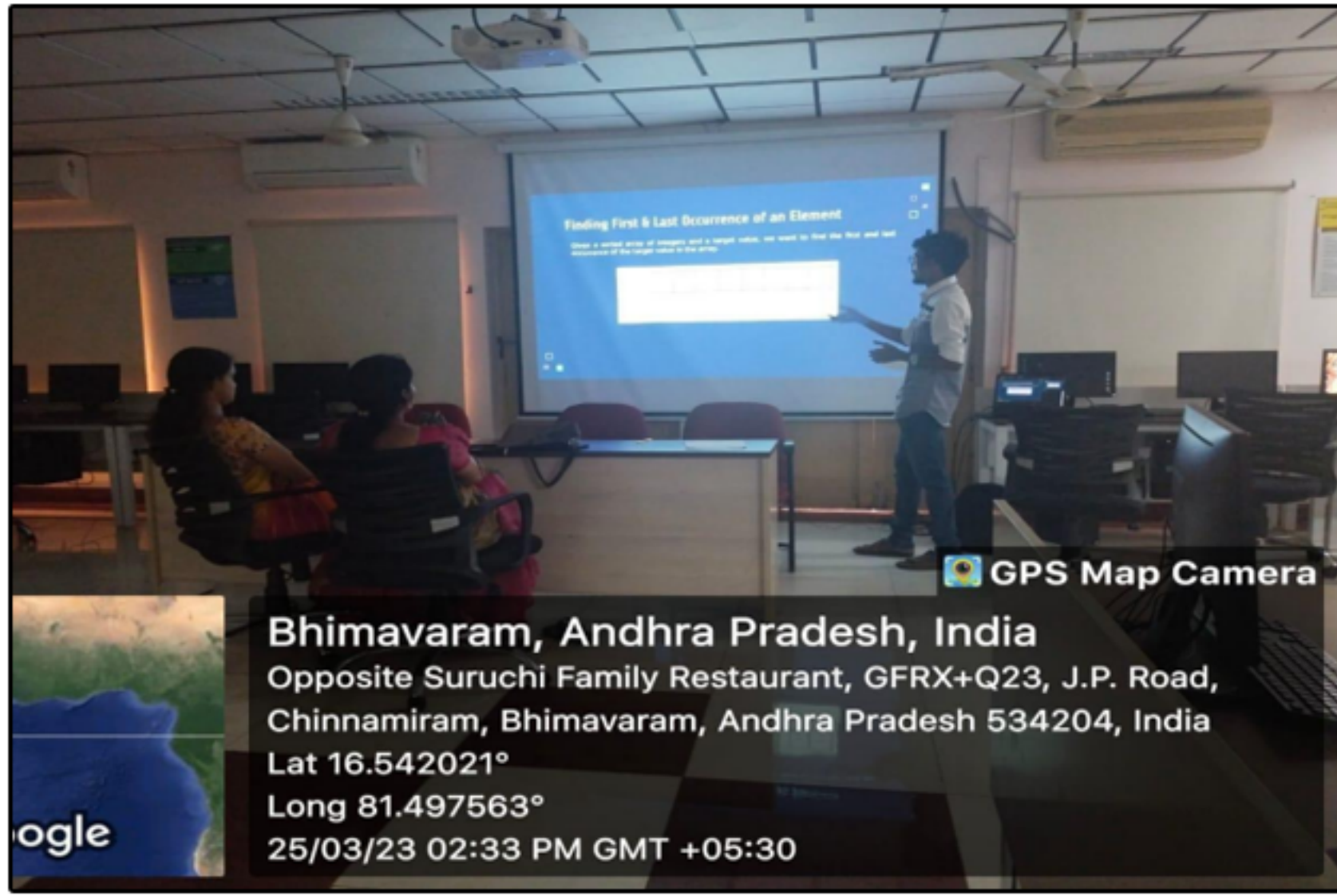
Esports: BGMI, Call of Duty, Free Fire



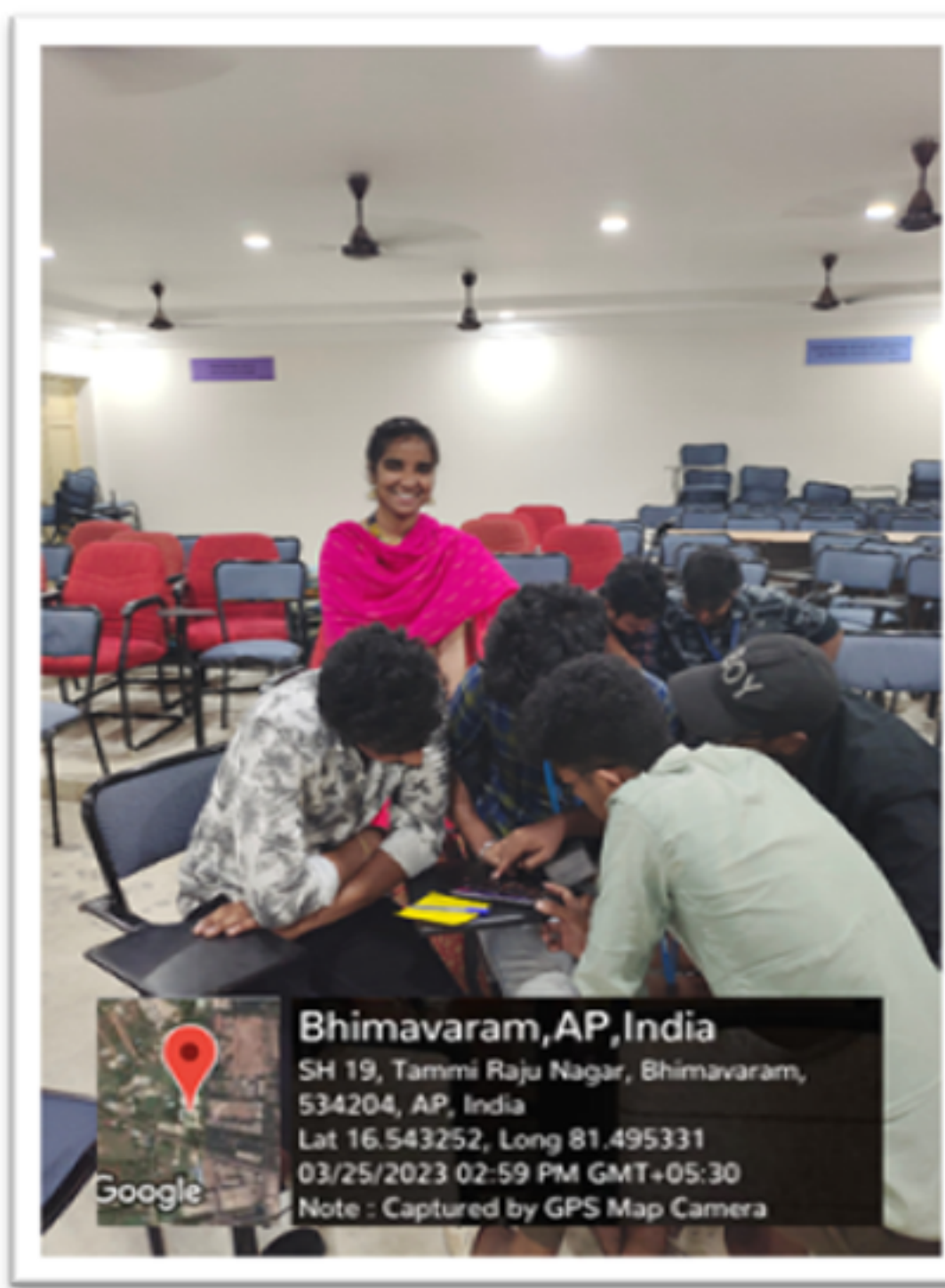
Pirates Loot Winners: Kavya, Sahithi, Navya, Neeharika [1/4 CSE]



Pitch Perfect : Sai Pranay, Askgar



Fight Club : Ch Chiranjeevi Deepak, D Narendra Varma, A Karthik



Fun Castle - Flip Tic Tac Toe, Mad Route, Beer Pong, Pyramids



FACULTY PUBLICATIONS

Dr. N. K. Kameswara Rao has published a journal on "Hybrid optimal joint spatial-spectral hyperspectral image classification"

Suresh Kumar Samarla has published a journal on "Machine Learning Techniques for Autism Spectrum Disorder Speech Characteristics"

Pamula Udayaraju has published a journal on "ANN secured communication strategy for vehicular ad hoc network", "Efficient medical image security and transmission for telemedicine applications", "Gradient weighted CNN model for diagnosing COVID-19 using X-ray images" and "Energy-efficient IoT agriculture network using region-based clustering"

Dr Chinta Someswara Rao has published a journal on "Ultrafast parallel genome extractor"

Dr Srihari Varma Mantena has published a journal on "Human gait recognition using GAN model and dwarf mongoose optimization" and "Twitter sentiment analysis on online food services using elephant herd optimization"

Ch Ravi Swaroop has published a journal on "Framework for recurrent breast cancer prognosis using deep learning techniques"

LV Srinivas, Chitri Rami Naidu have published a journal on "Sign language recognition using mining techniques"

P. Bharat Siva Varma has published a journal on "Hybrid Approach for Drug Recommendation System based on Sentiment Analysis"

Gadiraju Mahesh has published a journal on "Optimal machine learning model for predicting web browsing patterns"

Hemalatha Dendukuri, A.L.Lavanya have published a journal on "Machine learning-based healthcare system for IoT"

Chitri Rami Naidu has published a conference paper on "Accurate Machine Learning Models for Predicting Exo-Planets' Habitability"

D.N.S.B.Kavitha, Prasad Reddy P.V.G.D, Venkata Rao. K have published a conference paper on "Emotion Recognition in Tweets Using Optimized SVM and KNN Classifiers" in "Advances in Signal Processing, Embedded Systems and IoT"

Dr. G N V G Sirisha has published a journal on "Recognizing human activities using lightweight machine learning methodologies"

R. Shiva Shankar has published a conference paper on "RNN-LSTM based Profession Recommendation System on Social Media Forums"

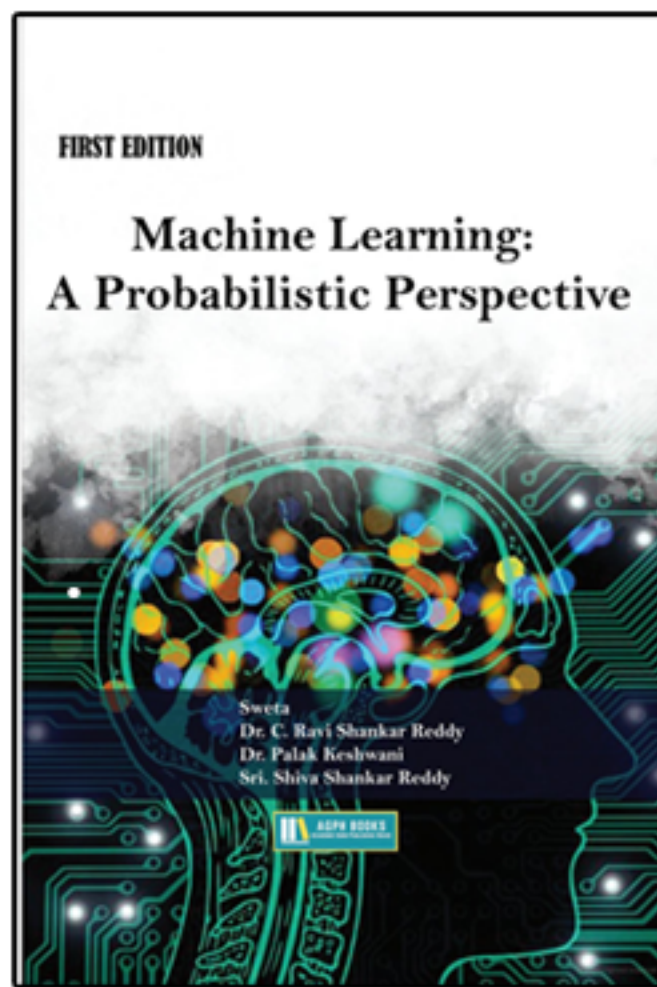
L. Divya has published a conference paper on "Stochastic Modelling and Real-Time Solution for SCPP problem in IoV"

Reddy SS, Alluri L, Gadiraju M, Devareddi R have published a conference paper on "Forecasting Diabetic Foot Ulcers Using Deep Learning Models" in "Networks and Systems Book Series"

PATENTS FILED BY FACULTY

IPR Category & Title	Applicants	Number	Year
Smart Home EnergyManagement System using Internet of Things	Dr. Vempati Srinivasa Rao, Dr. Inumula Veeraraghava Rao, Mr. Lakkakula Hari Prasad, Mr. Valaparla David, Mr. Mohammad Fareed Ahamad, Dr. Nynalasetti Kondala Kameswara Rao, Dr. K. Selvakumari, Dr. Devaraj Pavan Kumar, Dr. Ashish Verma, Mrs. Sherry Nasir	202341000251	2023
Design and Development of Multi-Layered Security System Using Cryptography and Steganography	Mr. A. Raghuvira Pratap, Ms. Macharapu Madhavi, Ms. Velavolu Sravanthi, Mr. Chitri Rami Naidu, Mrs. Y. Meghamala, Mr. Mandala Rajkumar, Dr. I. V. Prakash, Mr. Syed Muqthadar Ali, Mr. V. Rakesh, Dr. A. Ugendhar	202341016440	2023
Image Processing based Expert System for Bill of Materials Calculations for Civil Structures	Dr. S. Sriram, Dr. Gopal Krishna Upadhyay, Mr V V Sivaramaraju, Ms. Ganta Mounika, Dr.S.Sumathi, Dr. G. Balaji Ponraj, Mr. Naveen Kumar S M, Dr Amarnath Shetty, Dr. Rupak Sharma, Ms Pendlimarri Manisha	202331000501A	2023

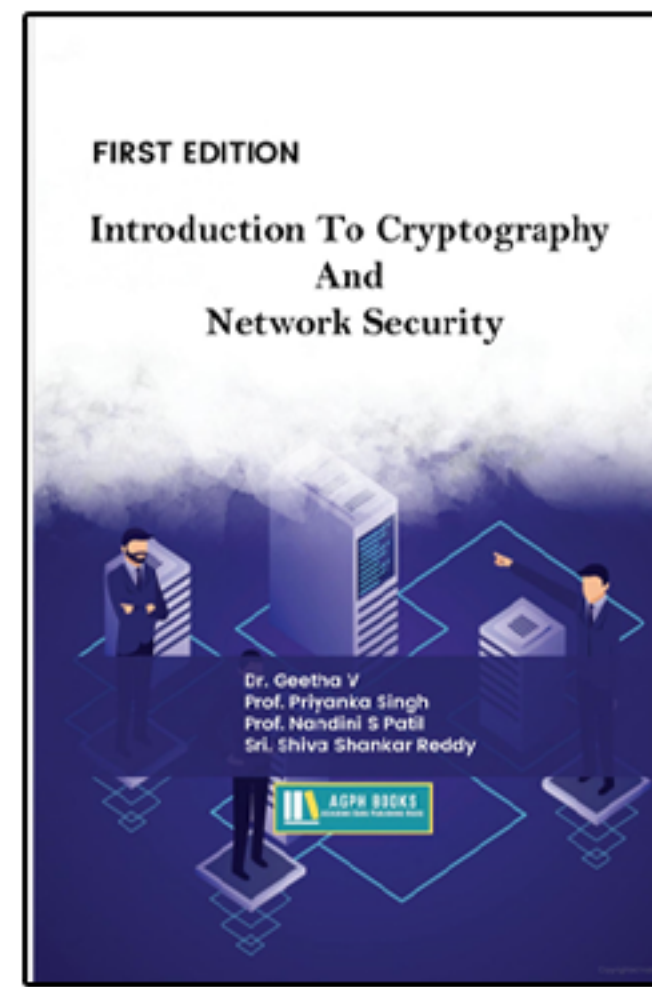
BOOKS PUBLISHED



Authors: Dr. C Ravi Shankar Reddy,
Dr. Palak Keshwani,
Sri. Shiva Shankar Reddy,
Sweta

Title : Machine Learning: A
Probabilistic Perspective

Publisher: AGPH Books



Authors: Prof. Priyanka Singh,
S. Patil Nandini,
Sri. Shiva Shankar Reddy,
Dr. Geetha V

Title : Introduction to Crypto
graphy & Network Security

Publisher: AGPH Books

VISION

To envision a diverse, stimulating, continually improving academic and research environment to fulfill the needs of the society and to mould students as socially responsible and competent professionals in the field of computer science and engineering.

MISSION

To provide a strong theoretical and practical background across the computer science and engineering discipline with an emphasis on software development.

To impart modern technologies with industrial, academic and research collaboration.

To inculcate professional behavior, strong ethical values, leadership abilities and impart the skills necessary to continue education for professional growth.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1 : Graduates of the program will become significant component of computer industry with basic and specialized knowledge in Computer Science and Engineering blended with knowledge in mathematics and modern technologies.

PEO2 : Graduates will have adequate knowledge and technical skills for continuous education and research.

PEO3 : Graduates are prepared to be socially responsible computing professionals/entrepreneurs by creating necessary environment that fosters the graduates' communication, presentation, teamwork, leadership skills, and professional ethics.

CHIEF EDITOR

DR. V. CHANDRASEKHAR
HEAD OF THE DEPARTMENT
CSE

EDITORS

S. SURESH KUMAR
ASSISTANT PROFESSOR
M. SAI KUMAR - 3/4 AIML