



# S R K R ENGINEERING COLLEGE ( AUTONOMOUS )

COMPUTER SCIENCE & ENGINEERING

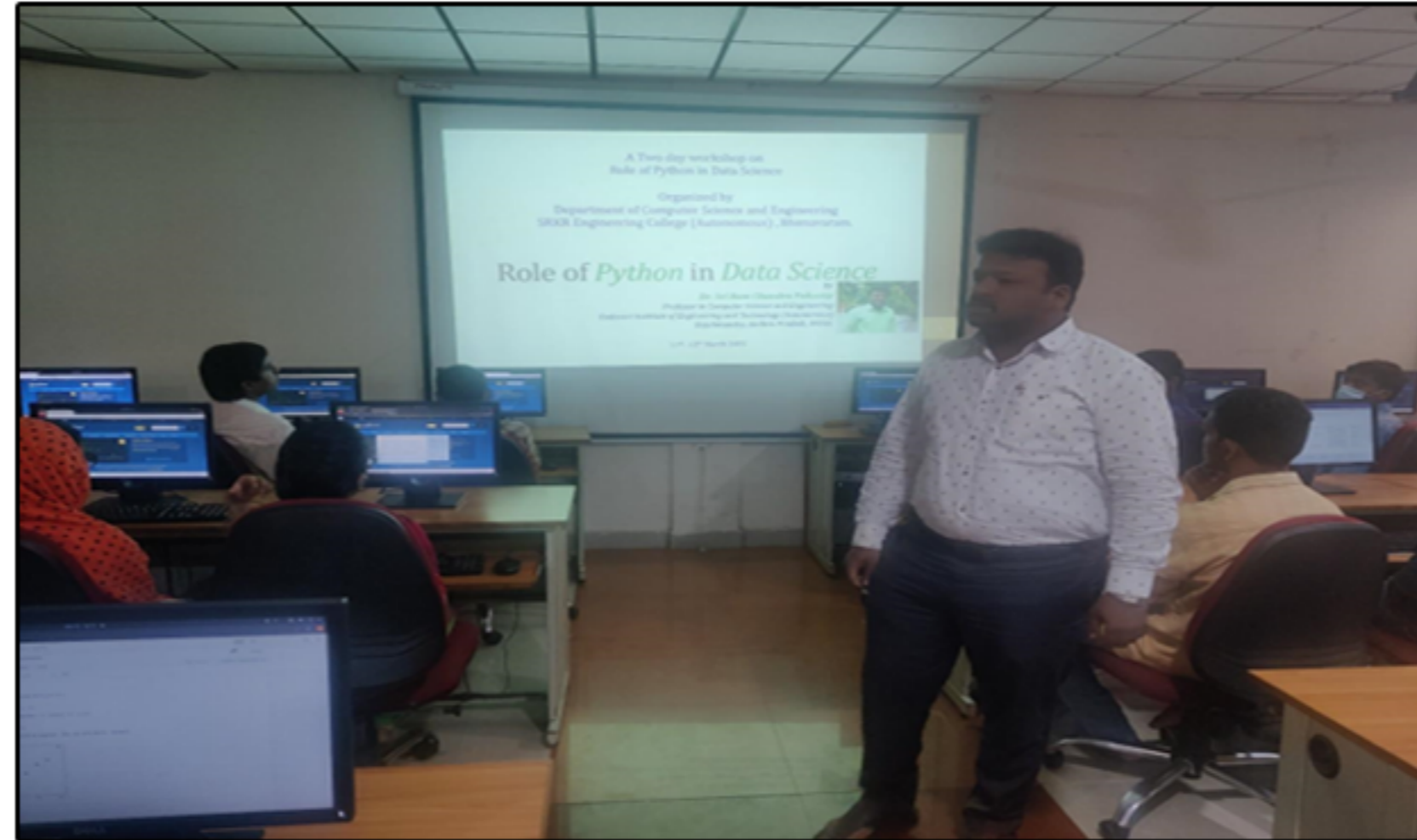


The Department of Computer Science and Engineering was founded in the year 1991 by people who had a vision. This vision was how Computer Science and Engineering would fit into the unique spirit of S R K R Engineering college, an institution oriented to an unusual degree around under graduate education 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

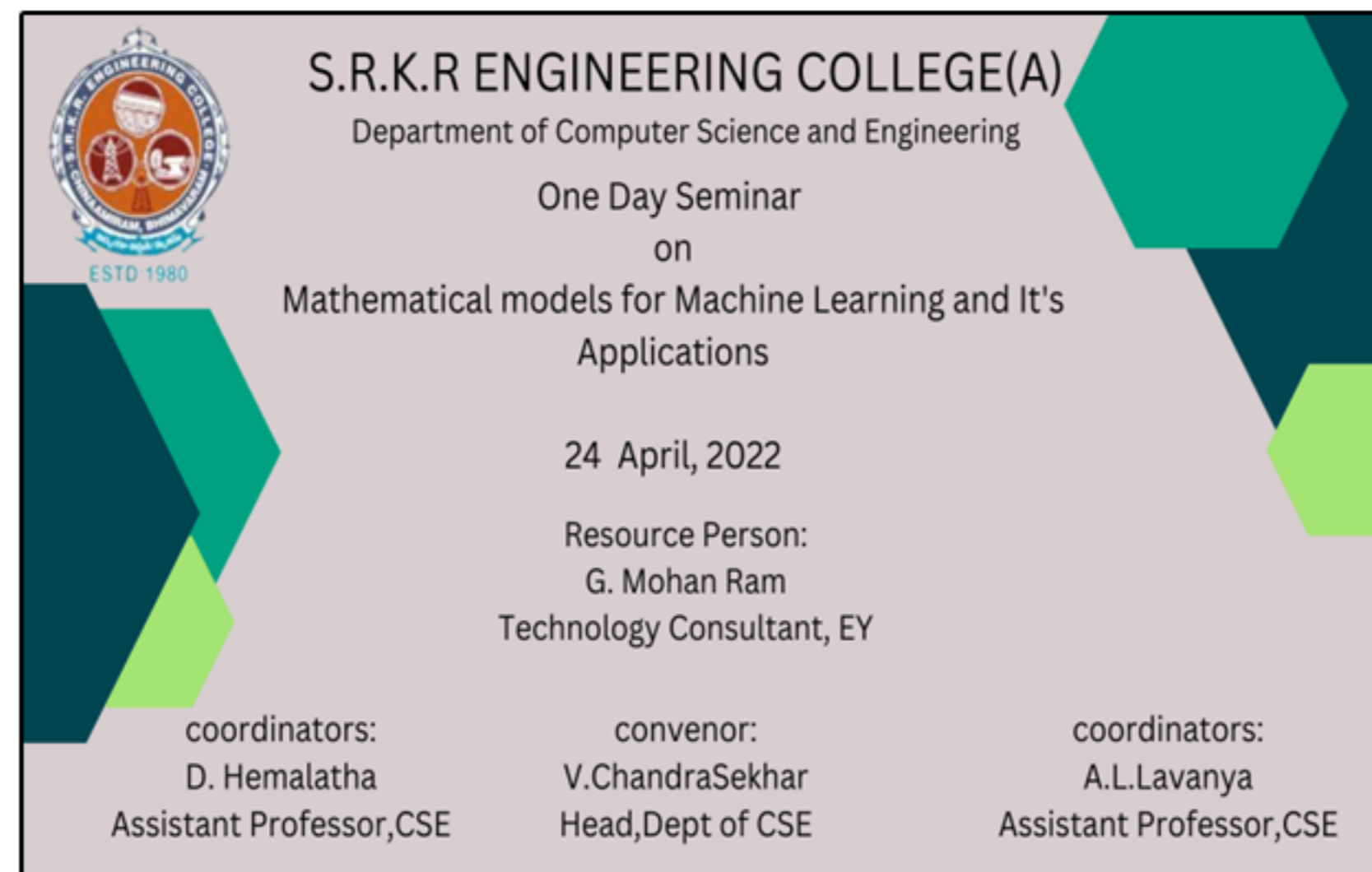


## WORKSHOPS & SEMINARS CONDUCTED

A two day workshop on “Role of Python in Data Science” was organised by the Department of Computer Science & Engineering on 11th & 12th March, 2022



A one day seminar on “Mathematical Models for Machine Learning and it’s Applications” was organized by the Department of Computer Science & Engineering on 24th April, 2022



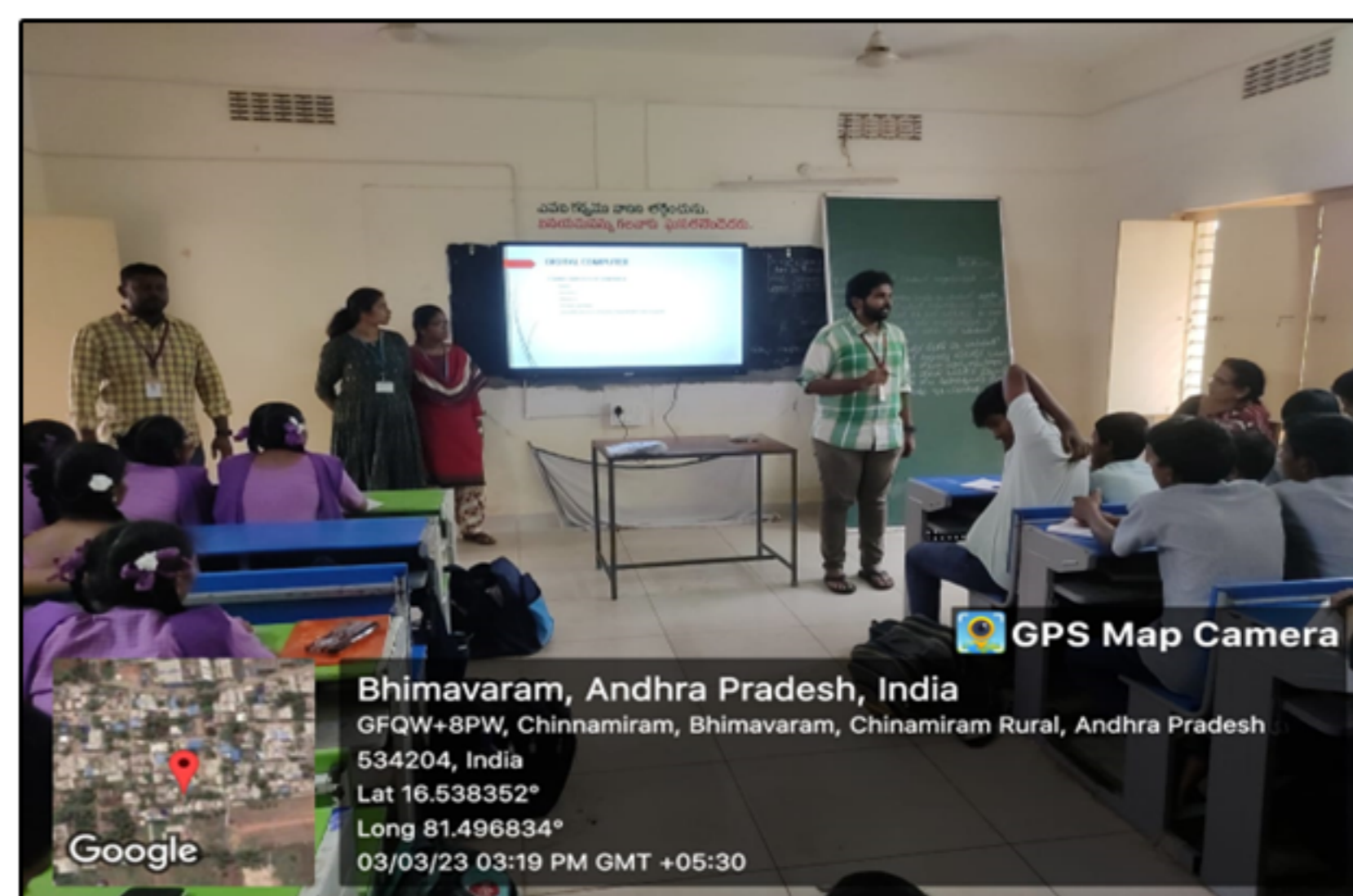
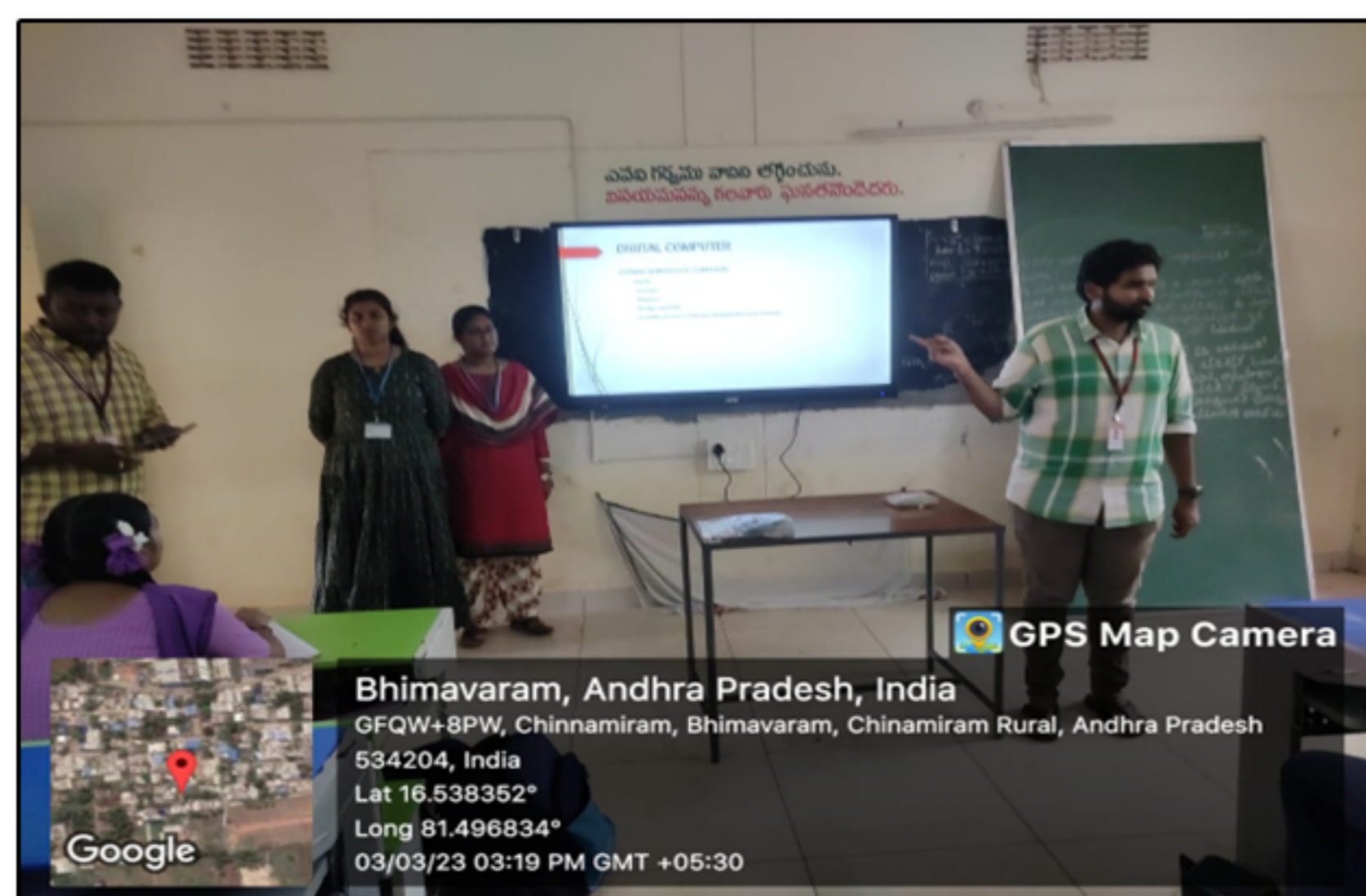


# OUTREACH EVENTS

A Computer Awareness Program was conducted by the Department of Computer Science & Engineering on 11th Feb 2022 for the students of Z.P.H School



A Awareness Program on “Digital Computer Fundamentals” was conducted by the Department of Computer Science & Engineering on 3rd March 2022 for the students of Z.P.P High School

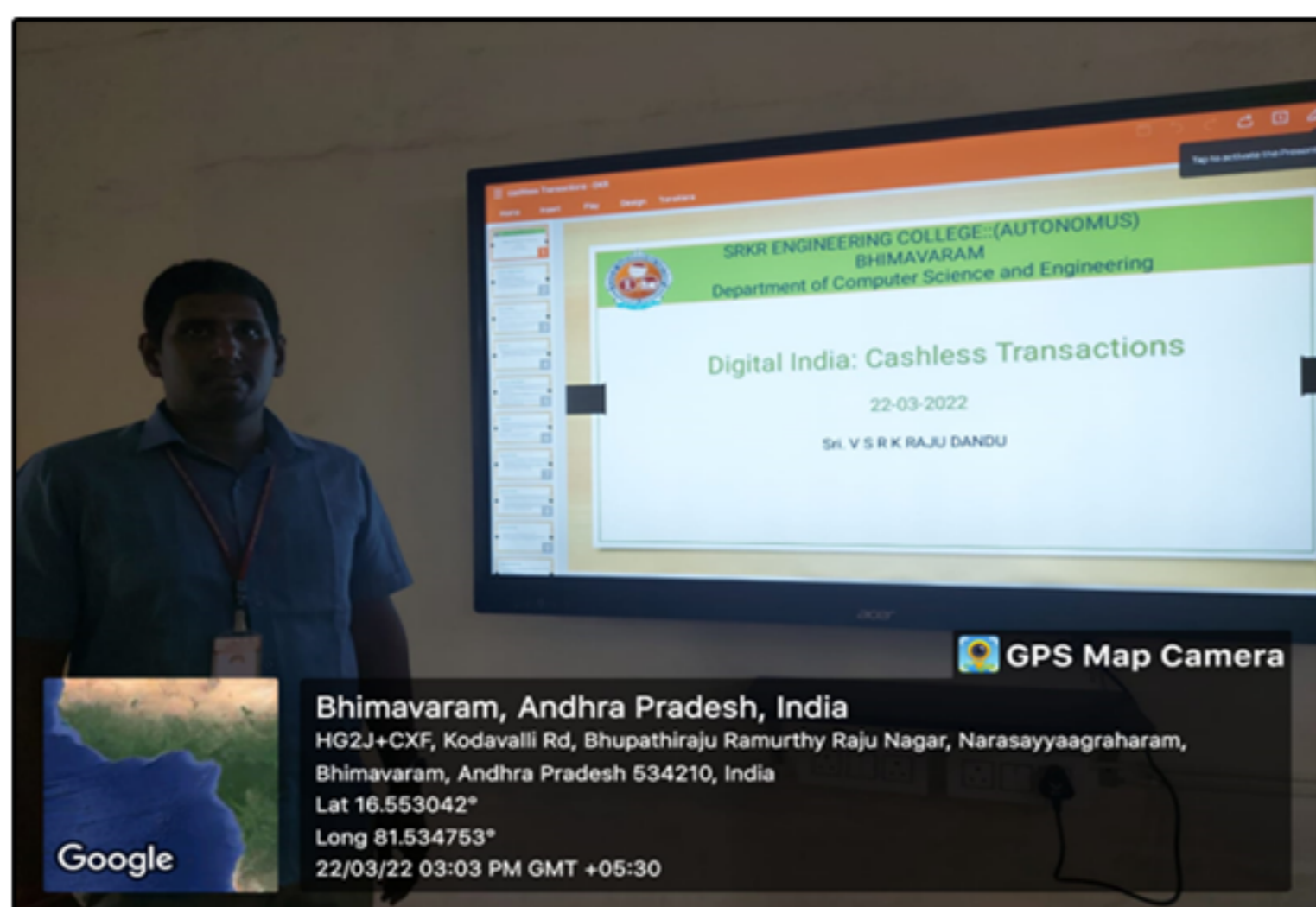


Awareness Program on “Career Guidance to Students” was conducted by the Department of Computer Science & Engineering where 35 students attended from Z.P.H. School on 2nd Feb 2022





A Awareness Program on “Digital India - Cashless Transactions” was conducted by the Department of Computer Science & Engineering on 22nd March,2022 for the students of A.R.K.R High School



Drug Awareness Program was conducted by the Department of Computer Science & Engineering on 3rd March 2022 for the students of Z.P.P High School



Awareness Program on “Road Safety and Traffic Rules” was conducted by the Department of Computer Science & Engineering for the students of A.R.K.R High School on 1st Feb,2022



Awareness Program on “Menstrual Hygiene and Sanitation” was conducted by the Department of Computer Science & Engineering for the girl students of Z.P.H. School on 12th Feb,2022





# ACE STUDENT ACTIVITIES SPURTHI 2022

**TechWiz Winner : Leela Sai Pavan - 2/4 CSE (Team)**



**Codeventure Winner**

**Mr. Web Developer: N. Uma Mahesh (2/4 CSE C)**

**Miss. Web Developer: P. Praveena (2/4 CSE D)**



**Codeventure Winner**

**Mr.Coder : Sk.Jaffar - 4/4 CSE**

**Miss.Coder : D.Malavika - 2/4 CSE**





# ACE STUDENT ACTIVITIES SPURTHI 2022



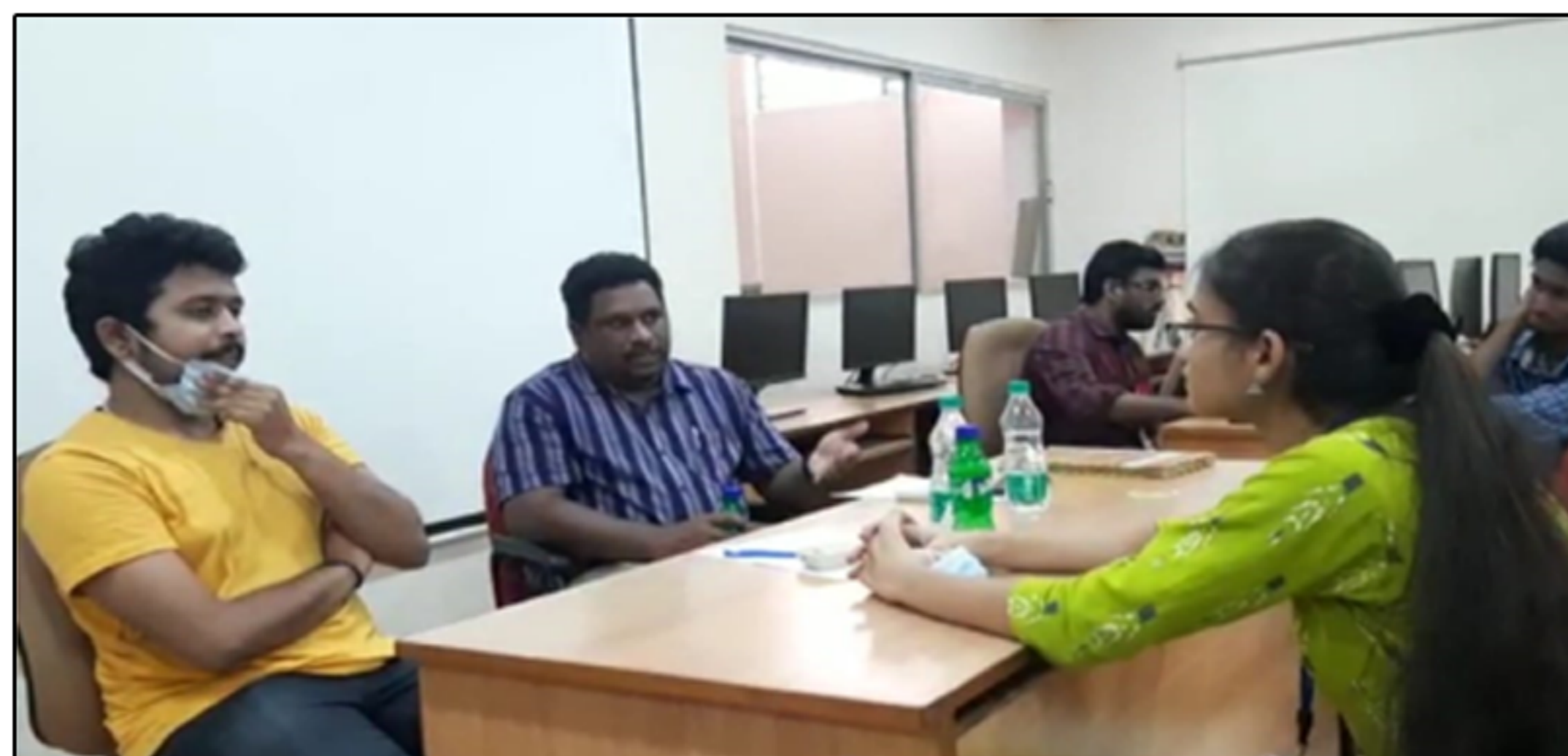
## NoiFear



## Stacandy



## Shark Tank





**FDPS ATTENDED**

Faculty	Concept	From	To	Period
K Aruna Kumari, Dr.P.Bharat Siva Varma, D Hemalatha, M.Jeevana Sujitha, J Ragha Veni, A Lakshmeelavanya, Anjani Kranthi, P. Saroja, M.S.Suseela, L. Divya, Ch Rami Naidu	Web Based Authoring Tools	03-01-22	08-01-22	6 days
Dr.R.N.V.Jagan Mohan	Workshop on Cyber Safety and Security	17-01-22	21-01-22	5 days
Shiva Shankar Reddy	Data Analytics in Healthcare	17-01-22	22-01-22	6 days
Dr. V MNSSVKR Gupta	Data Science and Machine Learning	19-01-22	31-01-22	10 days
Dr. V MNSSVKR Gupta	Recent Advancements in Machine Learning and Artificial Intelligence	21-01-22	27-01-22	7 days
Chinta Someswararao, L. Divya	Bio-Inspired Computing for Data Analytics	08-02-22	12-02-22	5 days
K Aruna Kumari	Simulation Tools for Research	08-02-22	14-02-22	6 days
Dr.R.N.V.Jagan Mohan	AICTE-ISTE: Python Programming for 5G Communications	14-02-22	22-02-22	9 days
Ch.Rami Naidu	Modern Research Innovative Techniques in Smart Grid Technologies	15-02-22	19-02-22	6 days
Anjani Kranthi	IOT Project Development using Industry Grade Microcontroller	15-02-22	15-03-22	30 days
Shiva Shankar Reddy	Computer Programming using Python	21-02-22	25-02-22	5 days
Dr. N. K. Kameswara Rao	Advancements in Speech and Natural Language Processing	21-02-22	25-02-22	5 days
Ravi Babu Devareddi	AICTE: AI in Contemporary Biomedical & Healthcare Applications, Fundamentals & Hands-on MATLAB	21-02-22	26-02-22	6 days
L. Divya	AICTE-ISTE Sponsored Orientation Programme on Machine Learning	22-02-22	28-02-22	7 days
K P S Rama Krishna, Vemparala Naga Venkata Sri Harsha	Artificial Intelligence for IoT Services in Cloud: Techniques & Applications	28-02-22	04-03-22	5 days
D.N.S.B.Kavitha	Python Programming	28-02-22	29-03-22	30 days
Dr. N. K. Kameswara Rao, P.Udaya Raju	Medical Image & Signal Processing	07-03-22	12-03-22	6 days
Ravi Babu Devareddi	Microchip ATMEGA16	14-03-22	18-03-22	5 days
Dr. G Mahesh, V V Sivaramaraju, Shiva Shankar Reddy	Advancements in Security using Deep Learning	21-03-22	25-03-22	5 days
L. Divya	Cyber Security and Defensive Mechanisms	21-03-22	30-03-22	10 days
V V Sivaramaraju, Shiva Shankar Reddy, Dr. Srihari Varma Mantena	Technical Writing using LaTeX	07-04-22	13-04-22	7 days
K.V.N.Valli, L. Divya	Master Class on Java Programming	11-04-22	10-05-22	30 days
Durga Bhavani Kanumuru	Soft Computing Techniques and Hands on with MATLAB	09-05-22	13-05-22	7 days
Ch. Rami Naidu, Dr. V MNSSVKR Gupta, BNV Narasimha Raju, J.Rajani Kanth	Emerging Trends in Artificial Intelligence	25-05-22	31-05-22	7 days
D.Hema Latha	Joy of Computing using Python	01-01-22	01-04-22	12 weeks
L. Divya	Augmented & Virtual Reality In DS	06-06-22	11-06-22	6 days



## FACULTY PUBLICATIONS

Shankar, R. Shiva, L. V. Srinivas, P. Neelima, G. Mahesh have published a conference paper on "A Framework to Enhance Object Detection Performance by using YOLO Algorithm" in the ICSCDS, 2022

Dr. VMNSSVKR GUPTA has published a conference paper on "Smart Heart Disease Prediction System with IoT and Fog Computing Sectors Enabled by Cascaded Deep Learning Model" in Computational Intelligence and Neuroscience

Dr. V. Chandra Sekhar has published a conference paper on "BLSNet: Skin lesion detection and classification" in Expert Systems

D.N.S.B.Kavitha has published a conference paper on "Emotion recognition in election day tweets using optimised kernel extreme learning machine classifier in Journal of Experimental & Theoretical Artificial Intelligence, February 2022

G.N.V.G. Sirisha has published a conference paper on "Leaf Disease Detection Using Convolutional Neural Networks" in International Journal for Modern Trends in Science and Technology

Reddy, S. S., Mahesh, G. have published a conference paper on "Exploiting Machine Learning Algorithms to Diagnose Foot Ulcers in Diabetic Patients" in EAI Endorsed Transactions on Pervasive Health and Technology

V.Anjani kranthi, Pathapati Saroja Cheepurupalli Raghuram have published a conference paper on "Improved Synthetic Iris Generation and Recognition Techniques" in the Annals of the Romanian Society for Cell Biology

Janakidevi, M., Prasad, T. V. K. P., Udayaraju, P have published a conference paper on "An Improved Deep Convolutional Neural Network (DCNN) for finding the Fish Freshness" in the Annals of the Romanian Society for Cell Biology

Udayaraju, Raghaveni J, P., Jahnavi have published a conference paper on "Hierarchical Machine Learning Approach to Explore Automatic Seizure Detection in EEG" in the Annals of the Romanian Society for Cell Biology

B. N. V. Narasimha Raju, M. S. V. S. Bhadri Raju, K have published a conference paper on "Effective preprocessing based neural machine translation for English to Telugu cross-language information retrieval" in International Journal of Artificial Intelligence

Udayaraju, P., Jeyanthi, P have published a conference paper on "Early Diagnosis of Age Related Macular Degeneration (ARMD) Using Deep Learning" in the International Conference on Intelligent Systems and Sustainable Computing (ICISSC 2022)

Tammineni, R., Sirisha, G.N.V.G. have published a conference paper on "Multivariate Time Series Analysis for Predicting Number of Disease Cases" in the Advances in Micro-Electronics, Embedded Systems and IoT Lecture Notes in Electrical Engineering,

Satya Sree Madasu , V. Anjani Kranthi have published a conference paper on "Secure Phrase Search for Intelligent Processing of Encrypted Data in Cloud-Based IoT" in the Journal of Interdisciplinary Cycle Research

## 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.