



# 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


## FDPS CONDUCTED

A one week faculty development program was conducted on “Mobile Application Development” from 8th August 2022 to 13th August 2022



A one week faculty development program from 1st August 2022 to 5th August 2022 was conducted on “Full Stack Development”



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

**One Week Faculty Development Program on Full Stack Development**

**1st Aug. 2022 to 5th Aug 2022**


**Instructor**  
Mr. Narasimha Kanumuri,  
Full Stack Developer, Blackbucks

**Convenor**  
Dr. V. Chandrasekhar, HOD, CSE

**Coordinators**  
Dr. Ch. Someswara Rao  
Dr. G.N.V.G. Sirisha

**Organized by**  
Department of Computer Science and Engineering

**In association with**

 **BLACKBUCK ENGINEERS**

# WORKSHOPS & WEBINARS

A Two day workshop on “Orientation on Academic Project and Research Paper Writing” was organized by Department of Computer Science & Engineering on 14th & 15th Oct,2022. where 172 students participated in both the days.

**SAGI RAMA KRISHNAM RAJU ENGINEERING COLLEGE(A)**  
 DEPARTMENT OF CSE ORGANIZES  
**A TWO-DAY WORKSHOP ON ORIENTATION ON ACADEMIC PROJECT & RESEARCH PAPER WRITING (OCT 14-15, 2022)**

**OBJECTIVES:**  
 1. MAKE STUDENTS LEARN HOW TO IDENTIFY AN ACADEMIC PROJECT  
 2. HOW TO PREPARE THE DOCUMENTATION WITH DIFFERENT MODULES  
 3. GIVE AN IDEA ON WHAT IS RESEARCH  
 4. GIVE INSIGHT ON RESOURCES TO SEARCH FOR RESEARCH PAPERS

**OUTCOMES:**  
 1. STUDENTS WILL BE ABLE TO IDENTIFY THE ACADEMIC PROJECT  
 2. WILL ABLE TO PREPARE PLAGIARISM FREE PROJECT DOCUMENTATION  
 3. HAVE AN IDEA OF EXTENDING PROJECT TO RESEARCH

**CHIEF PATRONS**  
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 Sri P KRISHNAM RAJU, Vice-President  
 Sri G RAMA RAJU, Vice-President  
 Sri S V RANGA RAJU, Vice-President  
 Sri S R K NISHANTH VARMA, Secretary-cum-Correspondent

**RESOURCE PERSONS**  
 Dr. N. KAMESWARA RAO, Associate Prof. - CSE Dept  
 Dr. Ch. SOMESWARA RAO, Associate Prof. - CSE Dept  
 Dr. G N V G SIRISHA, Associate Prof. - CSE Dept

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 Sri S SATYA PRATHIK VARMA, Member-Governing Body  
 Sri K JEEVA SAGAR, Rtd. IFS, Director  
 Dr. M JAGAPATHI RAJU, Principal

**CONVENOR**  
 Dr. V CHANDRA SEKHAR, Prof. & Head

**COORDINATORS**  
 D.N.S.B. KAVITHA, Assistant Prof  
 P. JAHNAVI, Assistant Prof  
 B. Mounika, Assistant Prof

**CALL :**  
 Kavitha: 9951752864  
 Jahnvi: 9951234598



A Webinar on “Industry 4.0 & 5.0 and It’s Eco System” is being organised by the Department of Computer Science & Engineering on 17th Sep, 2022 in which the resource person was Dr. D. Lakshmi

**SRKR ENGINEERING COLLEGE (A)**  
 Chinna Amiram, Bhimavaram, 534204, AP, India  
**Department of CSE**  
**Online Webinar**  
 on  
**INDUSTRY 4.0 & 5.0 AND IT'S ECOSYSTEM**  
 by  
**Dr. LAKSHMI D**  
 Asst. Director, Centre for Innovation in Teaching & Learning, Sr. Associate Professor, School of Computing Science and Engineering, VIT Bhopal.

**17 September**  
 2.30 PM - 4.00 PM

**Registration Link**

**Chief Patrons**  
 Sri. S. PRASADA RAJU, President  
 Sri. P. KRISHNAM RAJU, Vice President  
 Sri. G. RAMA RAJU, Vice President  
 Sri. S. V. RANGA RAJU, Vice President  
 Sri. S. R. K. NISHANTH VARMA, Secretary Cum Correspondent

**Patrons**  
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 Sri. S. SATYA PRATHIK VARMA, Member, Governing Body  
 Sri. K. JEEVA SAGAR, Rtd. IFS, Director  
 Dr. M. JAGAPATHI RAJU, Principal

**Convener**  
 Dr. V. CHANDRA SEKHAR, Professor & Head, Dept. of CSE.

**Coordinators**  
 L. DIVYA, J. RAJANI KANTH, K. V. NAGA VALLI

**(+) LIVE WEBINAR**  
 +91 7382433662 | cse@srkrec.ac.in

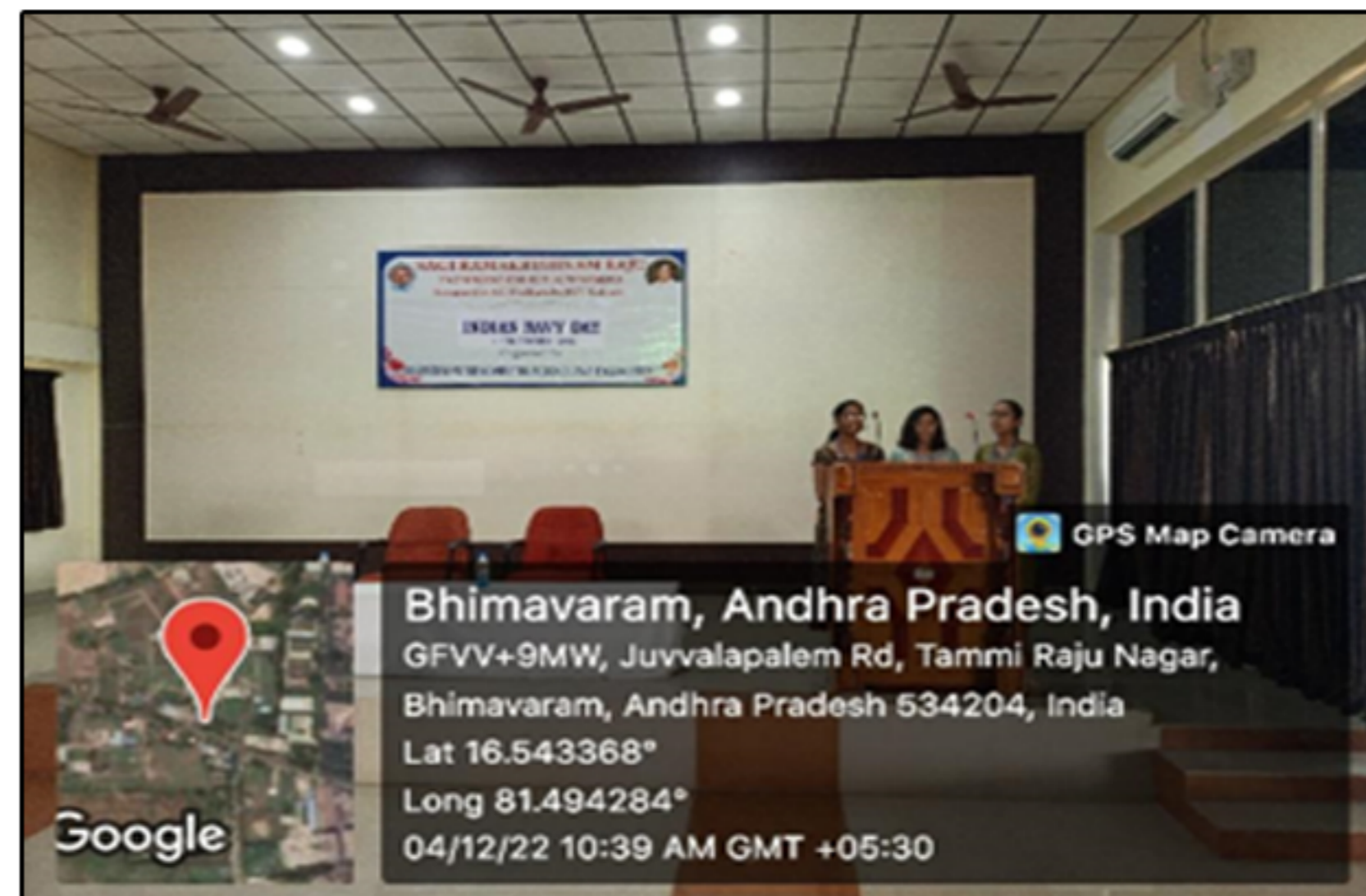
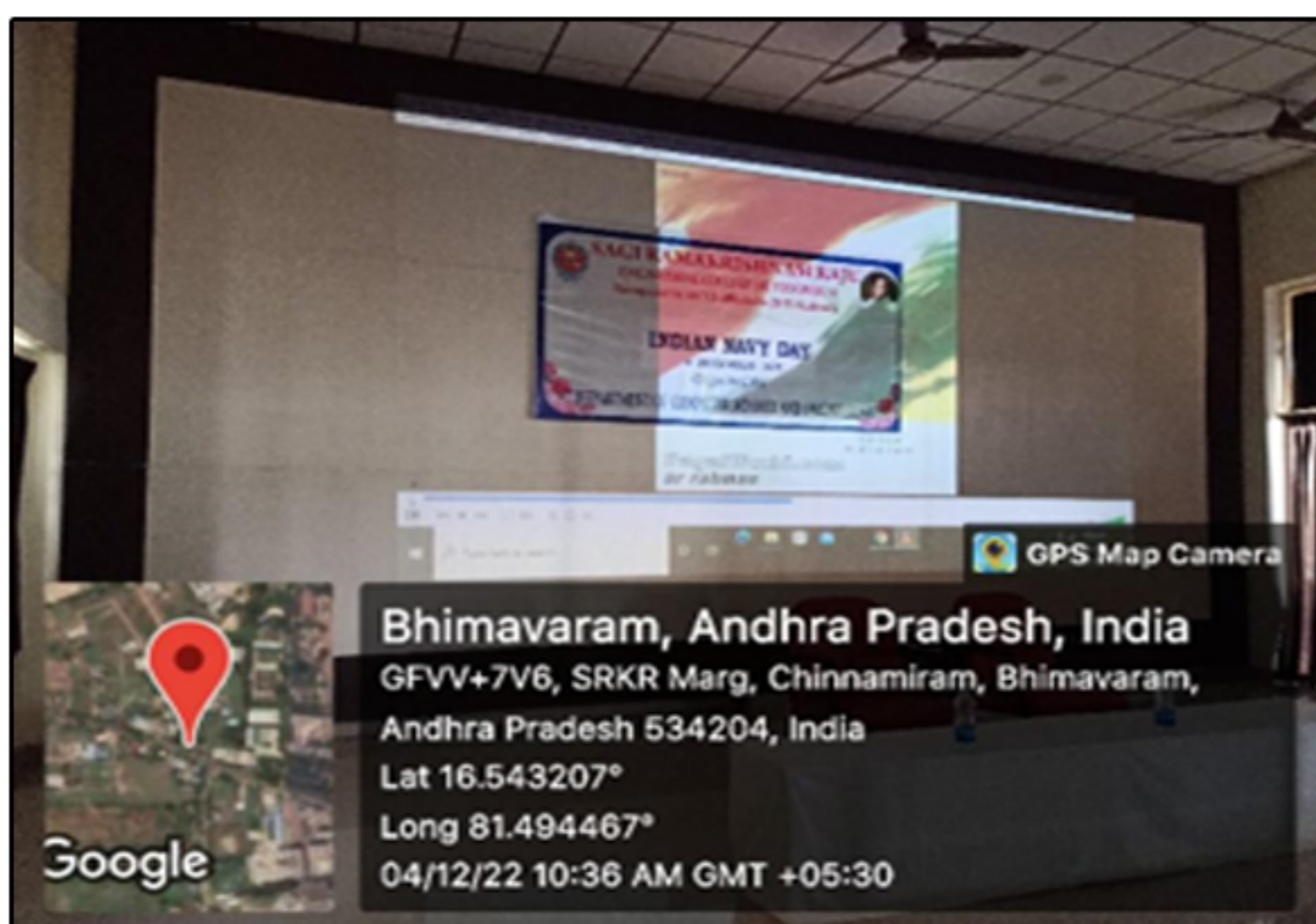


## CELEBRATION EVENTS

An awareness program on National Legal Services Day is being organized by the Department of Computer Science and Engineering on 9th Nov,2022. where 51 students attended the event.

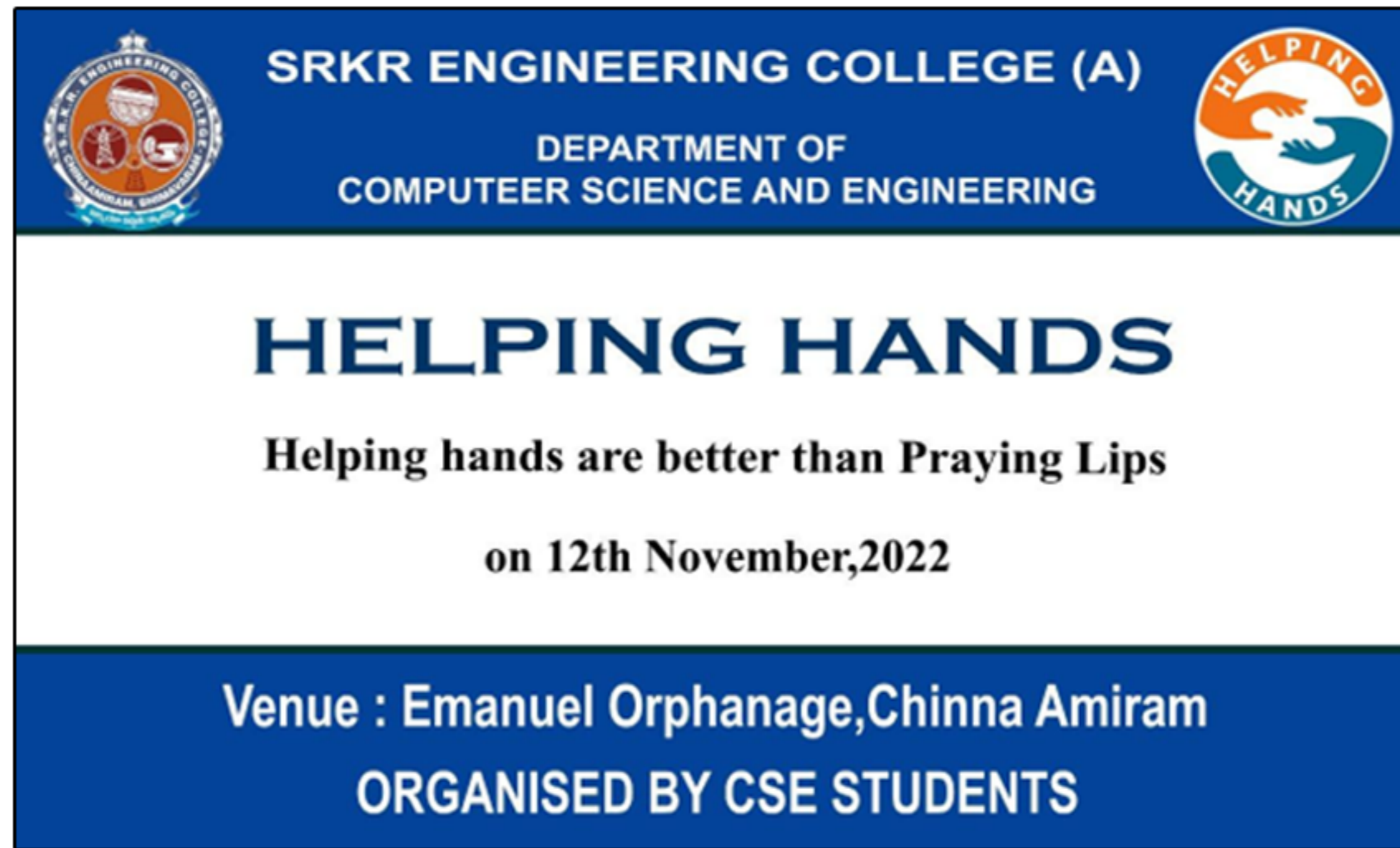


Celebrations on “Indian Navy Day” is being organized by the Department of Computer Science and Engineering on 29th Nov,2022.



# EVENTS

A Donation Camp “Helping Hands” was organized by the Department of Computer Science & Engineering on 12 Nov,22



A online Webinar on “Agile Process” is being organised by the Department of Computer Science & Engineering on 29th Oct,2022

**SRKR Engineering College**  
**Department of CSE**  
 Organizes  
**WEBINAR**  
 on  
**AGILE Process**  
 29th October 2022 Time-2:00-4:00 Pm

Registration Link: <https://forms.gle/CwXZaKLGHLfJrrFN6>

**OBJECTIVES**

- To learn basic knowledge of agile
- To understand where agile will works best
- To learn Agile Development Lifecycle
- To gain Knowledge of Agile Principles
- To differentiate conventional software development model and agile development model

**OUTCOMES**

At the end of this, Students will be able to

- Understand the principles of Agile
- Understand the techniques used and their benefits
- know how to solve the real world problems
- Understand how to use Agile Engineering practices effectively

**CHIEF PATRONS**

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 Sri. P.Krishnam Raju, Vice President  
 Sri. G.Rama Raju, Vice President  
 Sri. S.V. Ranga Raju, Vice President  
 Sri. S.R.K. Nishant Varma,  
 Secretary cum Correspondent

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 Sri. S.Satya Pratik Varma, Gov.Body Member  
 Sri.K.Jeeva Sagar, Rtd.IFS, Director  
 Dr.M.Jagapathi Raju, Principal

**RESOURCE PERSON**

**CONVENOR**

Dr.V.Chandra Sekhar  
 Prof & Head

**COORDINATORS**

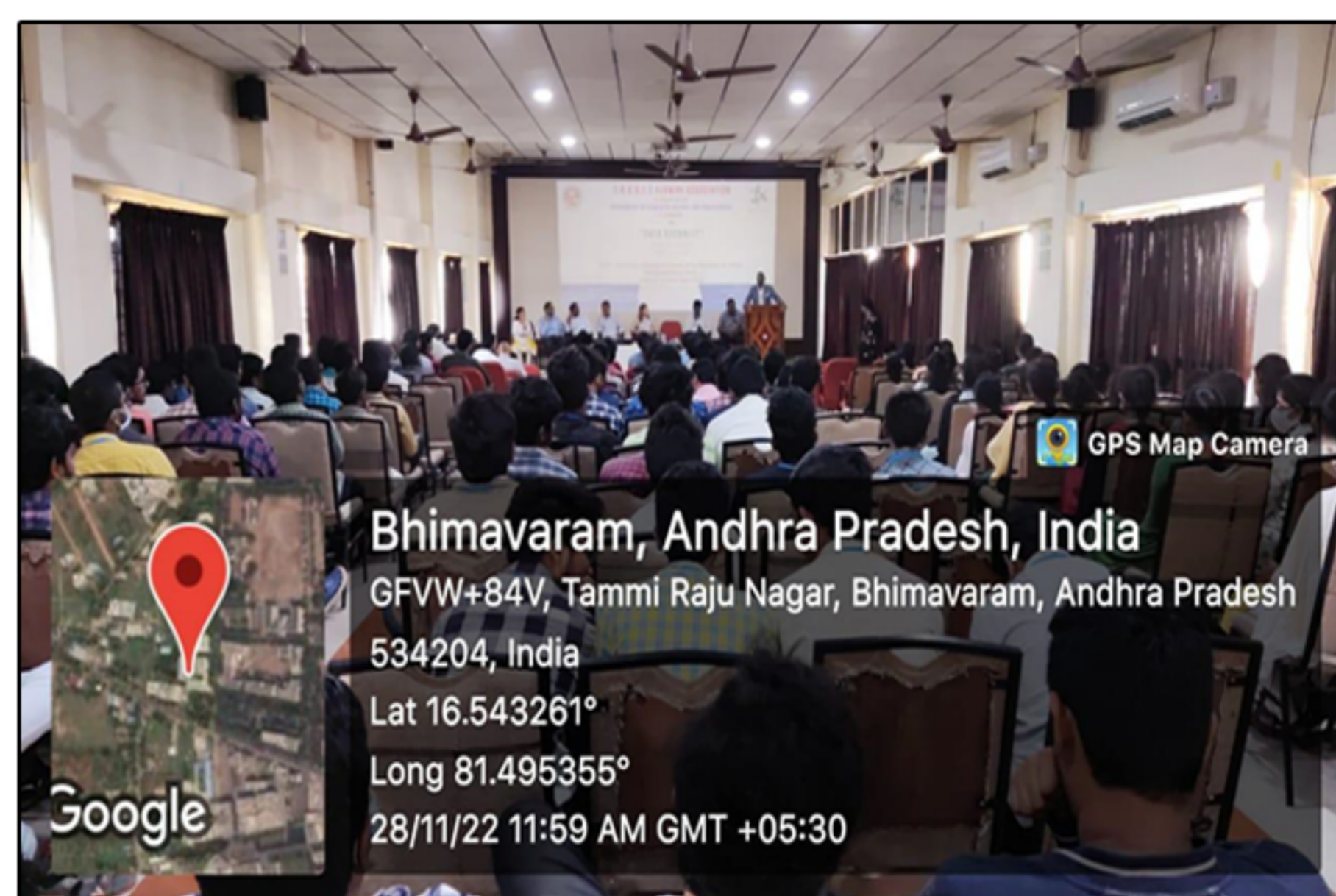
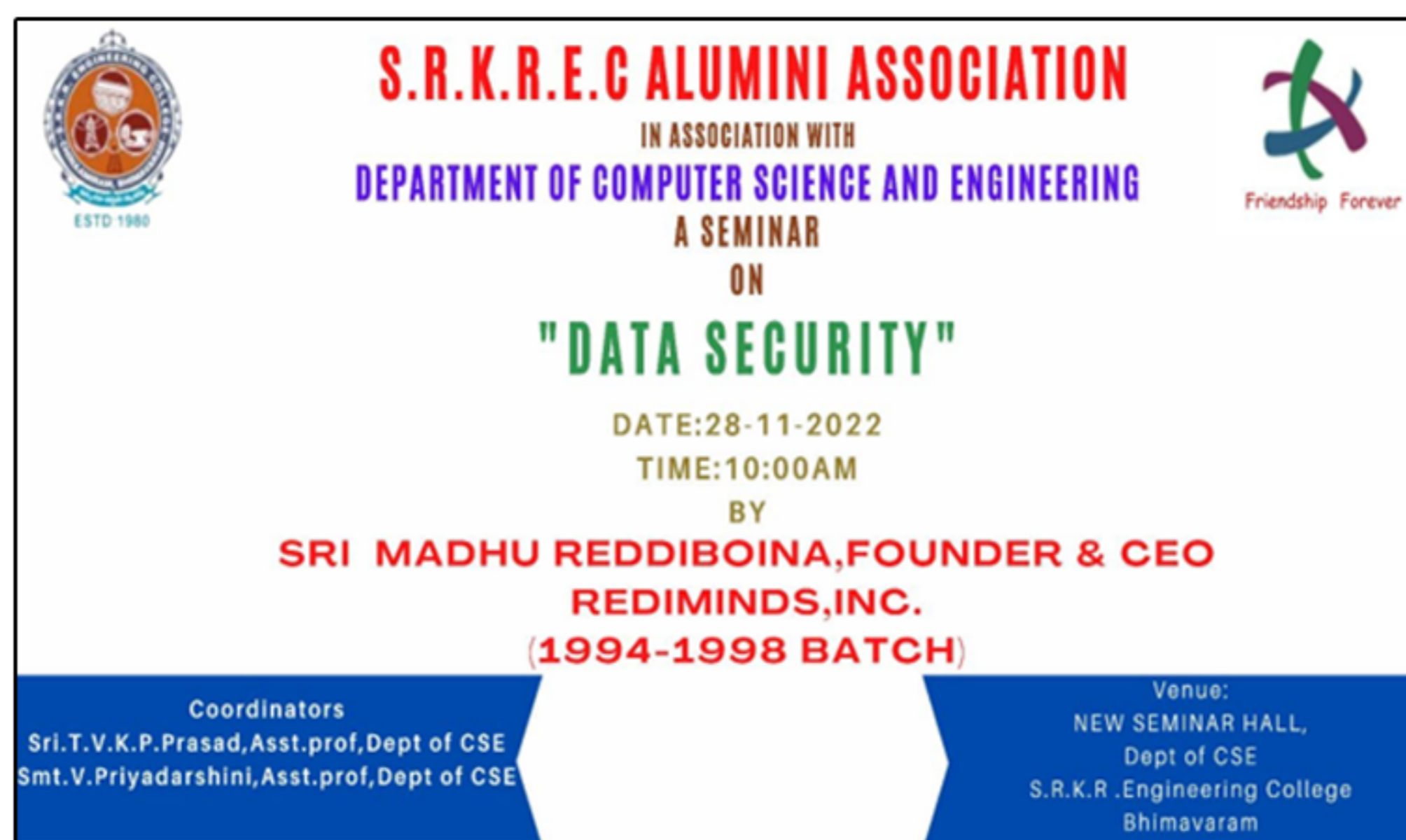
M.Jeevana Sujitha, Asst Prof  
 V.Anjani Kranthi, Asst Prof  
 P.Saroja, Asst Prof

**Dr.K.Subrahmanyam**  
 Professor  
 Department of CSE  
 KL University



# EVENTS

A one day Seminar on “Data Security” was organised by the Department of Computer Science & Engineering on 28th Nov,2022



Exhibition on Women Empowerment After Independence is being organised by the Department of Computer Science & Engineering on 21 Nov,2022

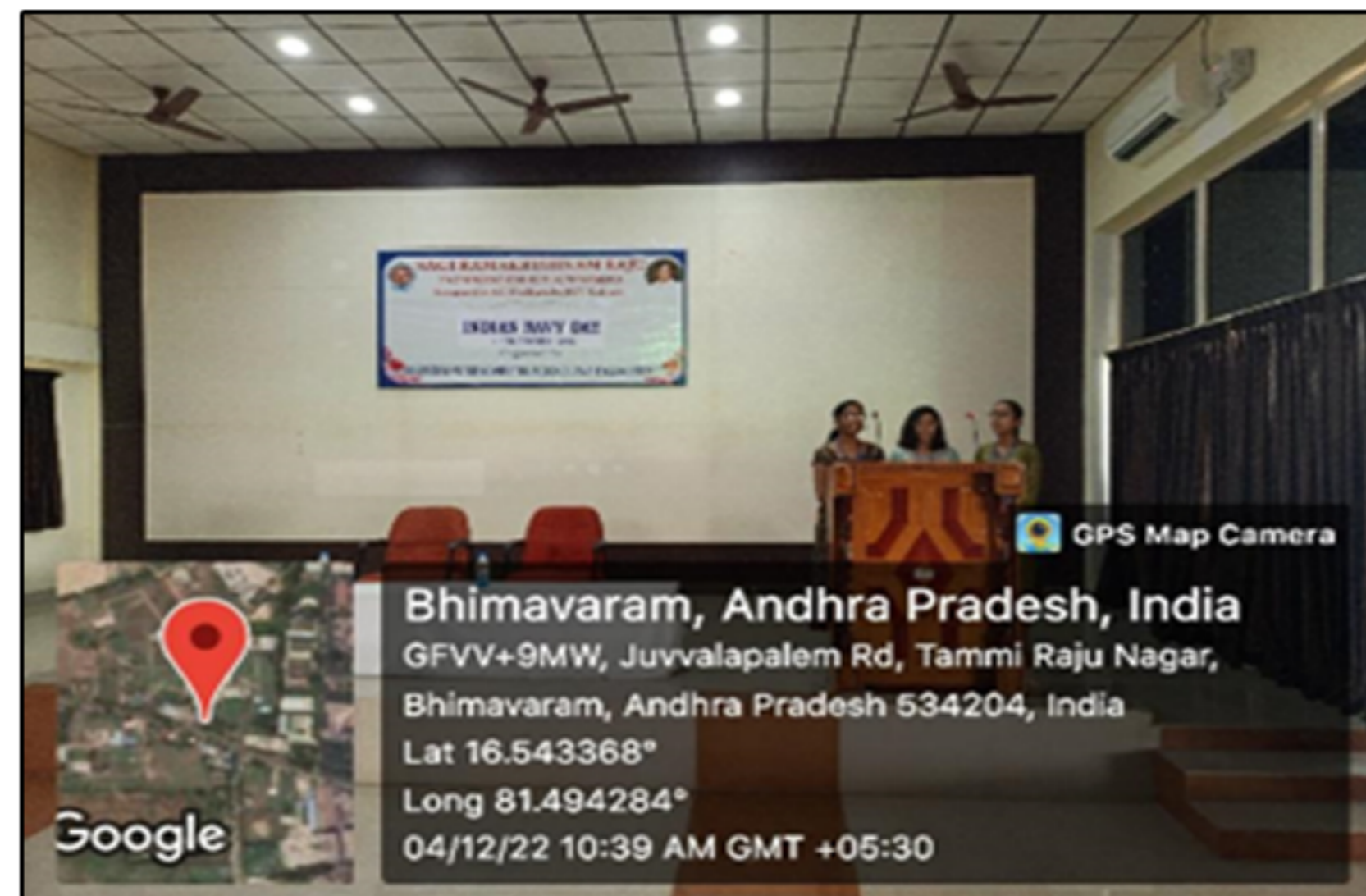


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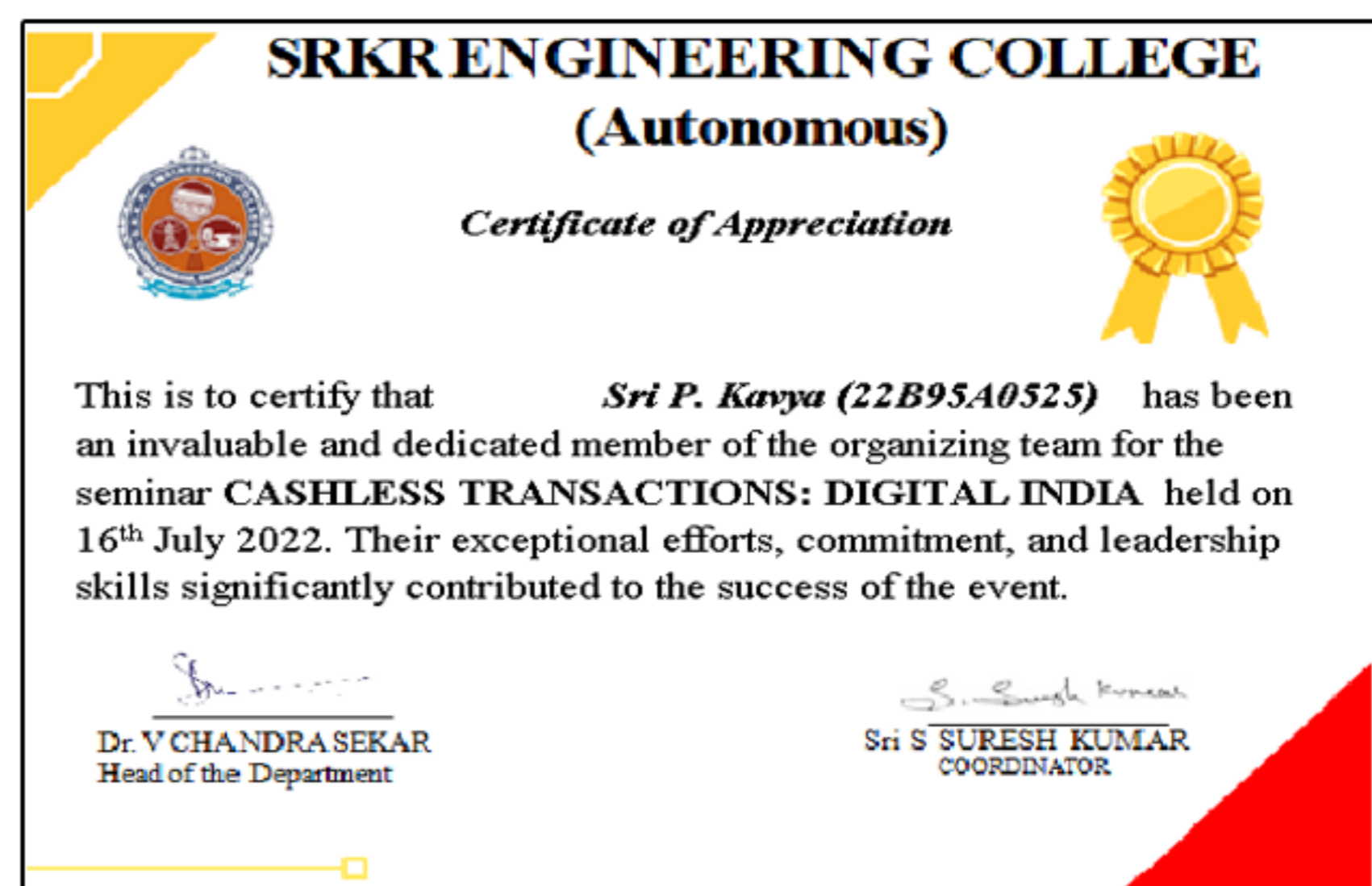
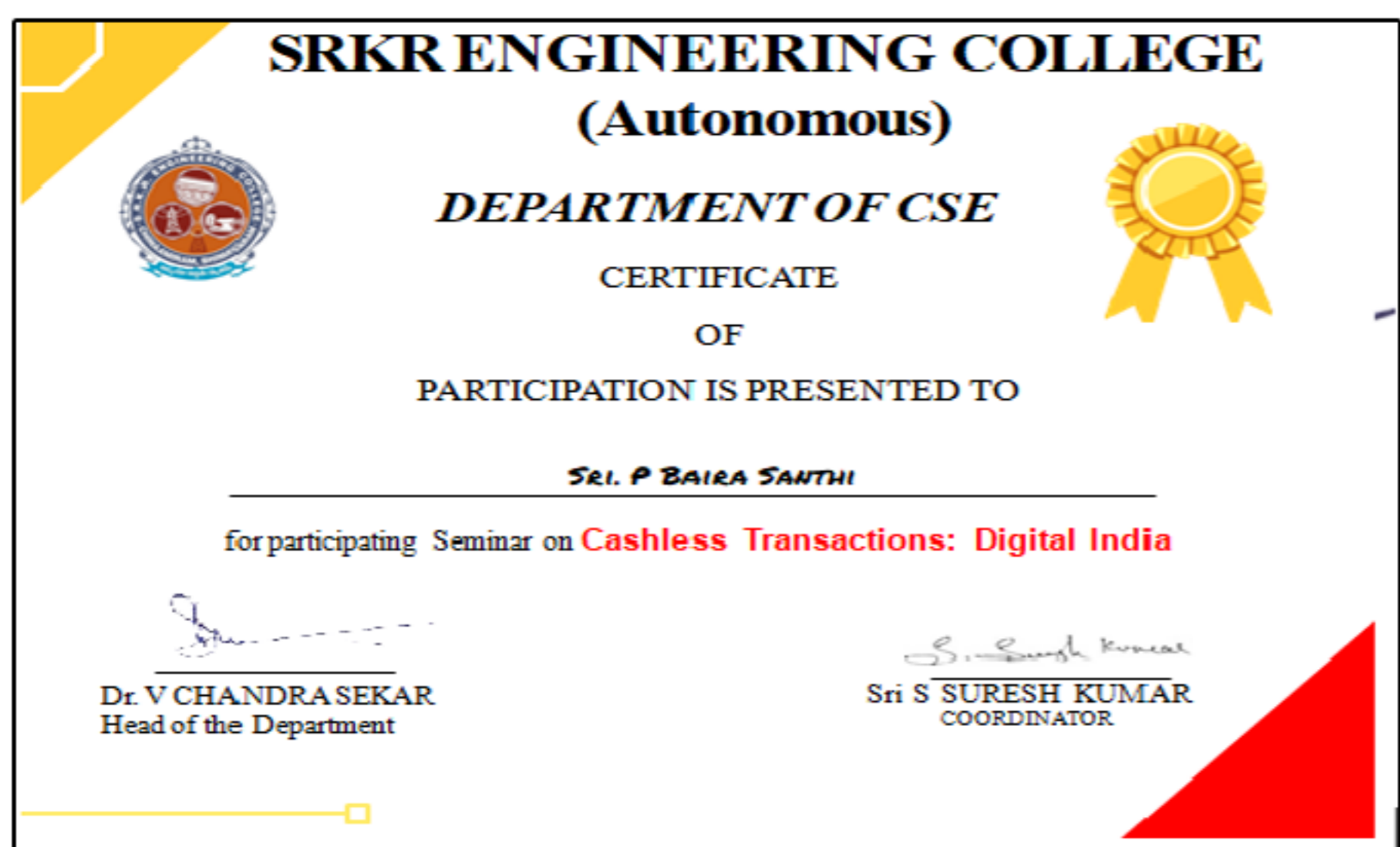


Celebrations on “Indian Navy Day” is being organized by the Department of Computer Science and Engineering on 29th Nov,2022.



## OUTREACH EVENTS

The seminar on "Cashless Transactions" was organized with the aim of creating awareness and promoting the adoption of digital payment methods in our society by the Department of Computer Science and Engineering for the students of Z.P.P High School on 11 Jul,2022. where 63 students participated.The Resource Person was Sri Suresh Kumar Samarla.





# ACE STUDENT ACTIVITIES



SWACCHTHON - 28th October 2022



AUTHENTICATE - 28th October 2022

# ACE STUDENT ACTIVITIES

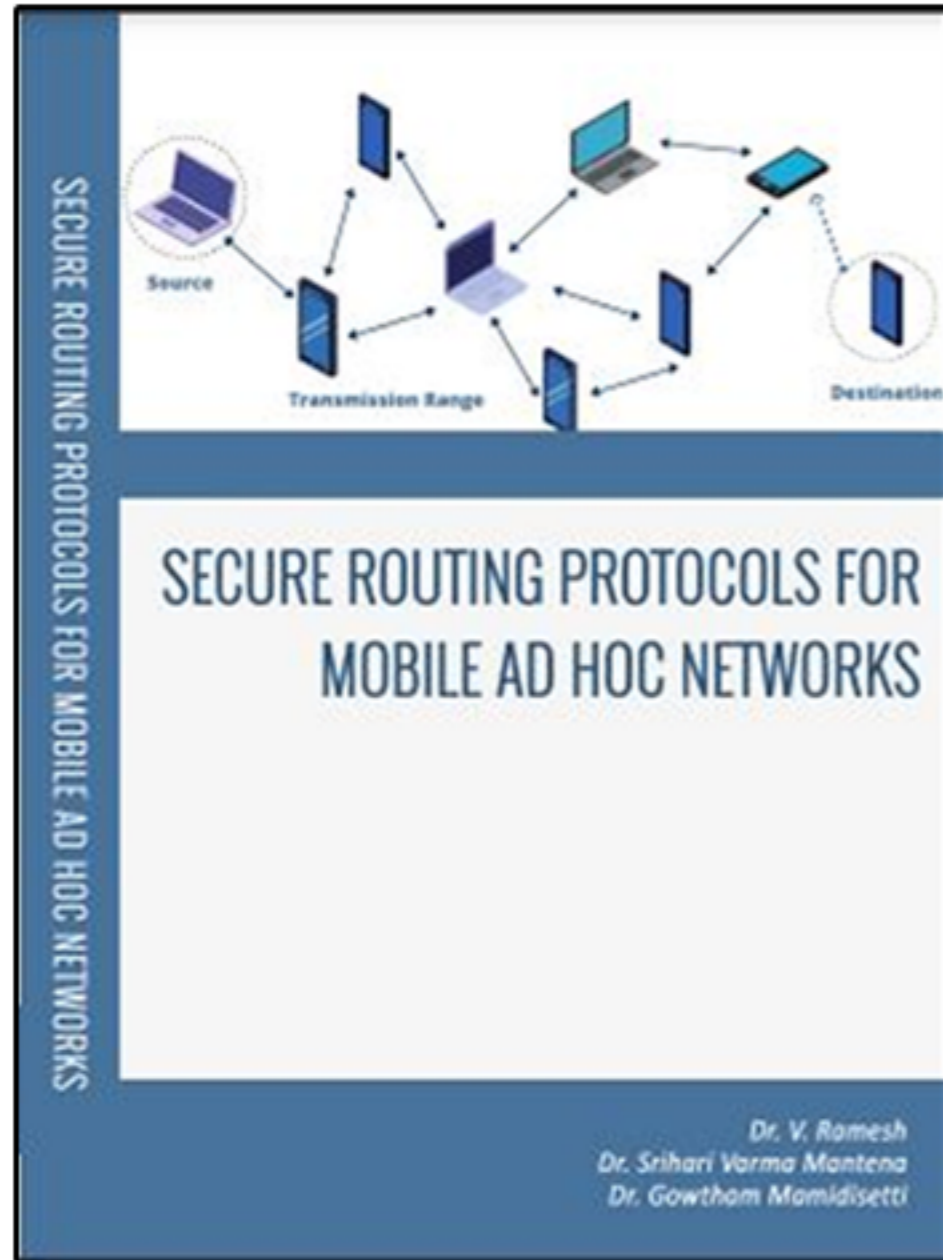


FRESHERS DAY - 2nd November 2022



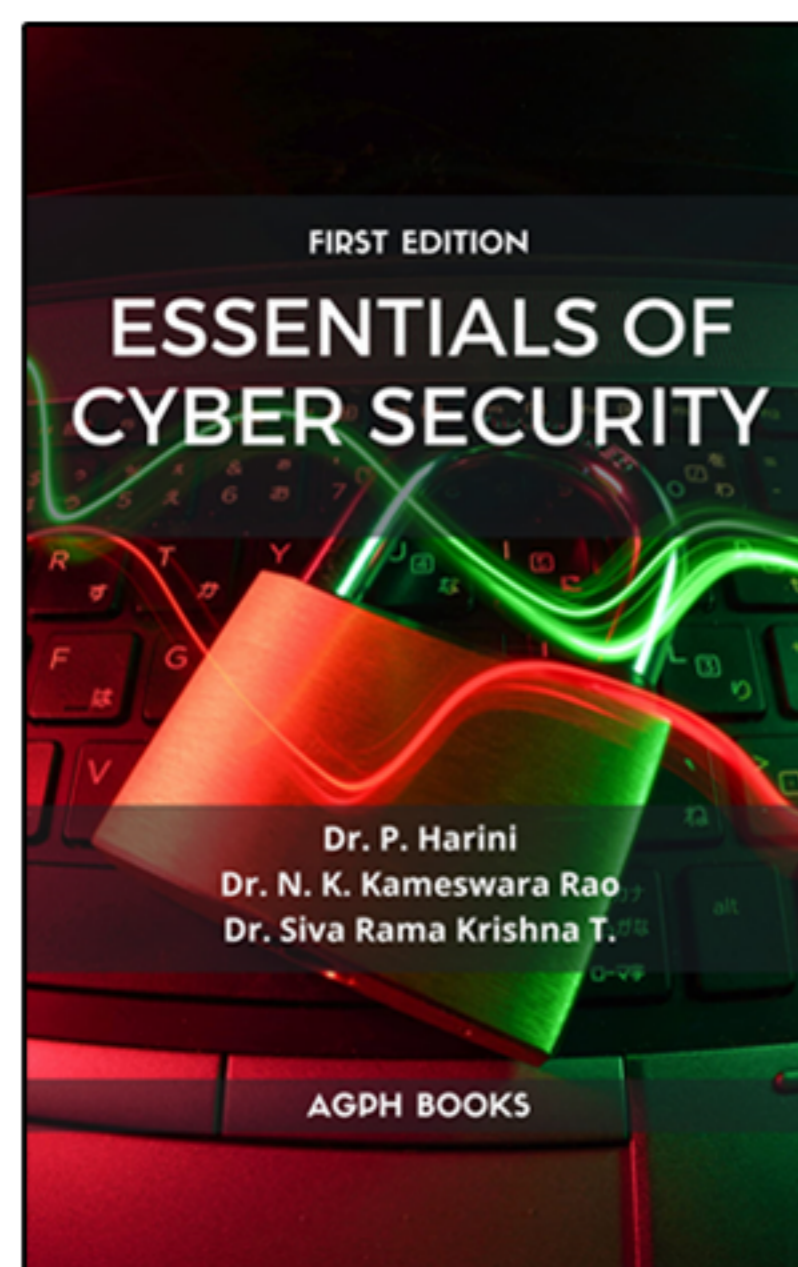
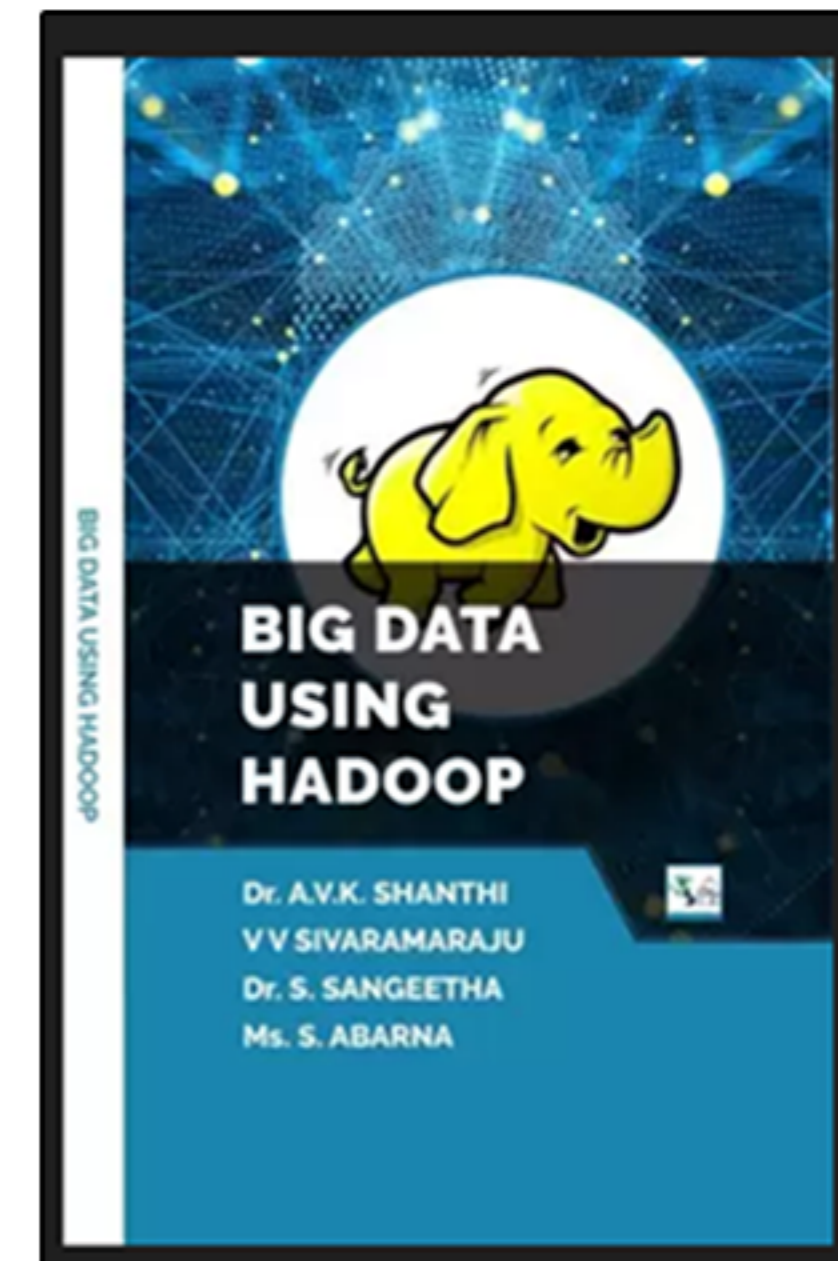
NEWBIES - 19th November 2022

## BOOKS PUBLISHED



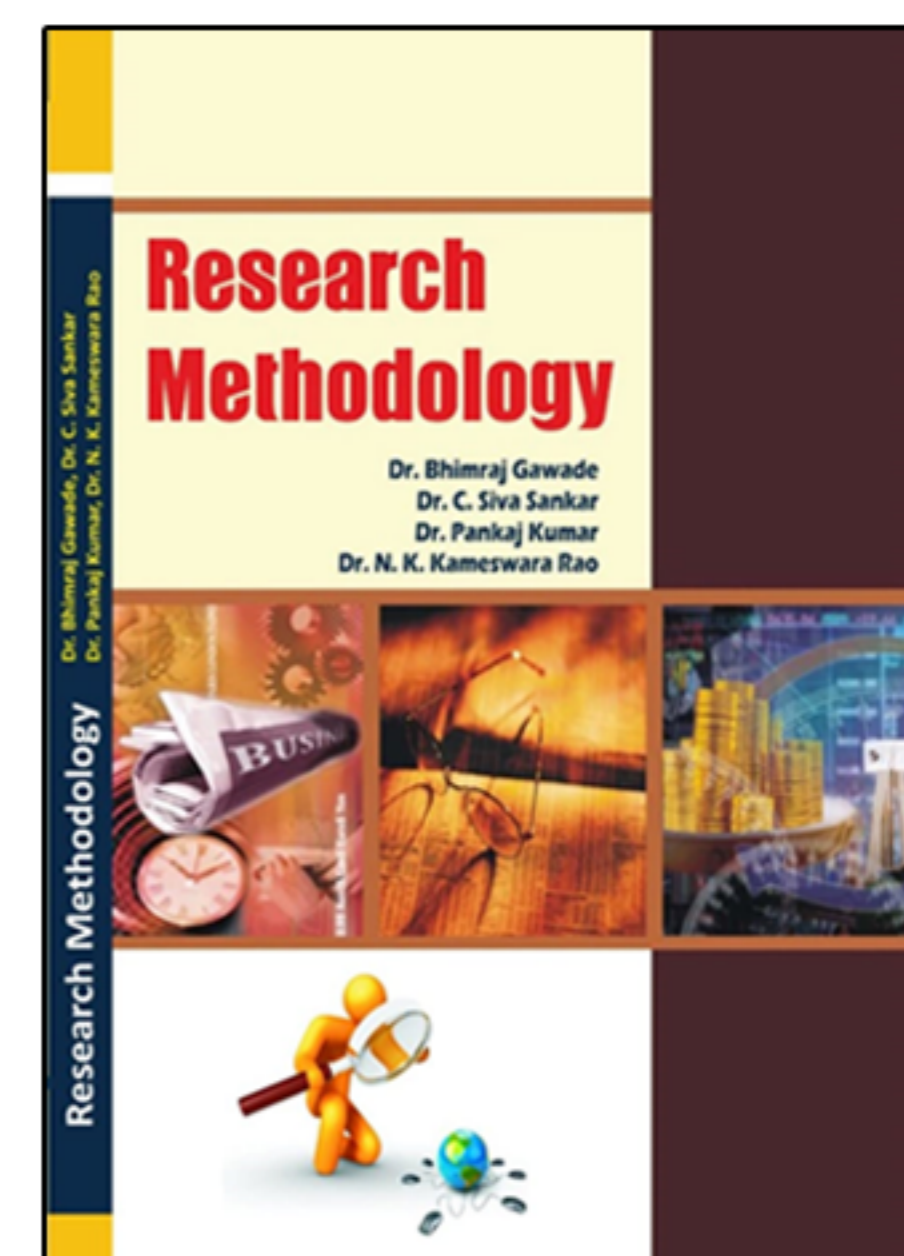
**Authors:** Dr. V Ramesh, Dr. Srihari Varma Mantena, Dr. Gowtham Mamidiseti  
**Title:** Secure Routing Protocols for Mobile Adhoc Networks  
**Publisher:** Book Rivers  
**Year:** 2022

**Authors:** Dr. A.V.K Shanthi, V V Siva Ramaraju, Dr. S Sangeetha, MS S Abarna  
**Title:** Big Data Using Hadoop  
**Publisher:** Scientific International Publishing House  
**Year:** 2022



**Authors:** Dr. P Harini, Dr. N. K. Kameswara Rao, Dr. Siva Rama Krishna T  
**Title:** Essentials of Cyber Security  
**Publisher:** AGPH Books (Academic Guru)  
**Year:** 2022

**Authors:** Dr. Bhimraj Gawade, Dr. C. Siva Sankar, Dr. Pankaj Kumar, Dr. N. K. Kameswara Rao  
**Title:** Research Methodology  
**Publisher:** RK Publications  
**Year:** 2022



## FACULTY PUBLICATIONS

Dr. N. K. Kameswara Rao has published a journal paper on “Heart Disease Prediction Using Machine Learning” in IJAEMA July 2022 and on “Hyperspectral Image Segmentation Using Multi-view Active Learning Based FCSN” in IJIES Nov 2022. He has also has published a conference paper on “Hyperspectral Image Classification using Joint Spatial-Spectral Feature Extraction” (INDISCON) 15-17 July 2022

Kishore Varma Mantena & S. Suryanarayana Raju have published a journal paper on “Design a Detection Model of DDOS Attacks in SDN Environment using Decision Tree and Support Vector Machine” in September 2022

Dr. V. Chandra Sekhar has published a journal paper on “Skin Lesion Detection and Classification Using Unified Intuitive and Object Classifier” in International Journal of Image Graphics in July 2022

Dr Chinta Someswara Rao has published journal papers on “ Method for identification of 10 SSR markers from Monkey Genomes and its statistical inference with One & Two-way ANOVA”, “Ultrafast Parallel Genome Extractor” and “Classification of fake news using deep learning-based GloVE-LSTM model” (International Journal of Safety and Security) in 2022

Dr Srihari Varma Mantena has published a conference paper on “A Face Recognition and Sentiment Analysis Activity System using Machine Learning Algorithm” in Novemeber 2022

M. Jeevana Sujitha has published a journal paper on “Data Mining for Software Repositories with Data Analytics for Feature Extraction and Classification Using Deep Learning Model” in December 2022

Dr. G.N.V.G.Sirisha has published a journal paper on “ Method for identification of 10 SSR markers from Monkey Genomes and its statistical inference with One & Two-way ANOVA” in 2022

D Ravi Babu, K V S S R Murthy & C. Rami Naidu have published a conference paper on “Image segmentation based on scanned document & hand script counterfeit detection using neural network” (AIP Conference Proceedings) on 9th December 2022

V Anjani Kranthi and P. Bharat Siva Varma have published a conference paper on “Monitoring Electromechanical Prototype Material for Environmental Parameters IoT” on 8th August 2022

V Anjani Kranthi has published a journal paper on “Application of VGG-19 for Optimized Prediction of Illness in Plants” in November 2022

P. Bharat Siva Varma has published a journal paper on “Hybrid Approach for Drug Recommendation System based on Sentiment Analysis” (NeuroQuantology) 2022

Ch Ravi Swaroop has published a journal paper on “A comparative study to predict Breast Cancer using Machine Learning Techniques” in Indonesian Journal of Electrical Engineering and Computer Science 2022

V Sivaramaraju Vetukuri has published a conference paper on “Analytic for Cricket Match Winner Prediction Through Major Events Quantification” and “Non-invasive Diagnosis of Diabetes Using Chaotic Features and Genetic Learning” in ICIPCN 2022

**FDPS ATTENDED**

Faculty	Concept	From	To	Period
P.Udayaraju	Mathamatical Models For Machine Learning And It's Applications	11-07-22	20-07-22	10 days
M.Jeevana Sujitha	Exchanging Futuristic Ideas For Innovative Research	08-07-22	09-07-22	2 days
P Bharat Siva Varma, M.Jeevana Sujitha, P. Saroja, V.Anjani Kranthi	Python Full Stack	11-07-22	12-08-22	30 days
M.Jeevana Sujitha	Nptel Online Certification On Deep Learning	01-07-22	30-10-22	90 days
M.Jeevana Sujitha	Nptel Online Certification On Software Engineering	01-07-22	30-10-22	90 days
K.Durga Bhavani	Emerging Trends In Vlsi Design & Practical Approach	01-08-22	06-08-22	6 days
B N V Narasimha Raju, J.Ragha Veni, Ch.Suma, Srihari Varma Mantena, Srinivasa Rao Tottempudi, Ch Vinod Varma, Ch Rami Naidu	Full Stack Development	01-08-22	05-08-22	5 days
S.Suryanarayananaraju, B N V Narasimha Raju, Dr Chinta Someswara Rao, J.Ragha Veni, G.N.V.G.Sirisha, Srihari Varma Mantena, Dr K Aruna Kumari, Ch Vinod Varma, Ch Rami Naidu	Mobile Application Development	08-08-22	13-08-22	5 days
V V Sivaramaraju	21st Century Skills For Teaching & Learning (Cstl-2022)	16-08-22	20-08-22	5 days
J.Ragha Veni, K.Durga Bhavani	5G Noma Communications	12-08-22	13-08-22	2 days
Ch Rami Naidu, K D V Pavan Kumar Varma	Amazon Web Services	22-08-22	27-08-22	6 days
Ch Rami Naidu	Artificial Intelligence, Machine Learning & IOT For Electrical Eng	08-08-22	12-08-22	5 days
K D V Pavan Kumar Varma	Cisco Global Ipd Week	08-08-22	12-08-22	5 days
D.N.S.B.Kavitha	Tableau Certification Course	20-08-22	15-12-22	40 hours
Dr.V Mnssvkr Gupta, D Ravi Babu, R. Shiva Shankar, P Neelima	Iot Based Smart Automation System	22-08-22	27-08-22	7 days
Dr. N. K. Kameswara Rao	AICTE: Nanosensors & Devices	22-08-22	26-08-22	5 days
Dr.V Mnssvkr Gupta	Iot Based Smart Automation System	22-08-22	27-08-22	7 days
Dr. N. K. Kameswara Rao, V V Sivaramaraju, Ch Rami Naidu, K D V Pavan Kumar Varma, Ch.Raghuram	AICTE: Amazon Web Services	22-08-22	27-08-22	6 days
B N V Narasimha Raju	Machine Learning Techniques For Decision Making	25-08-22	30-08-22	6 days
Ch Rami Naidu, Dvsrk Raju, Kosuri Gopal Varma	Faculty Enablement Program (Fep) On Devops-Cicd	12-09-22	16-09-22	5 days
Dr. N. K. Kameswara Rao	Integrative Research In Various Fields Of Engineering	21-09-22	27-09-22	7 days
Dr. N. K. Kameswara Rao, Dr Chinta Someswara Rao, Ch Rami Naidu	Societal Applications Of Machine Learning	26-09-22	30-09-22	5 days
Dr. N. K. Kameswara Rao, J.Ragha Veni, P Bharat Siva Varma, K.P.S. Rama Krishna	Webinar On "Industry 4.0 & 5.0 And It's Ecosystem"	17-09-22	17-09-22	1 day
K D V Pavan Kumar Varma	One Day Workshop On Salesforce Internships	30-09-22	30-09-22	1 day

**FDPS ATTENDED**

Faculty	Concept	From	To	Period
K.P.S. Rama Krishna	Iot Induced Artificial Intelligence For Emerging Computing Paradigms	04-10-22	08-10-22	5 days
K.P.S. Rama Krishna	Recent Trends In Web Application Development For Industry 4.0	18-10-22	22-10-22	6 days
Suresh Kumar Samarla, J.Ragha Veni	Programming Fundamentals Using Python - Part 2		21-10-22	40 hours
Suresh Kumar Samarla, J.Ragha Veni	Programming Fundamentals Using Python - Science Graduates - Foundationprogram		08-11-22	66 hours
R. Shiva Shankar	Cloud Computing	22-11-22	26-11-22	5 days
Dr.V Mnssvkr Gupta, R. Shiva Shankar, Ch Ravi Swaroop	Innovation In Recent Trends In Computing	28-11-22	02-12-22	5 days
J.Ragha Veni, Ch Ravi Swaroop, V Priyadarshini	Cloud Computing & Its Applications	28-11-22	03-12-22	6 days
V V Sivaramaraju	Deep Learning Algorithms And Applications In Engineering And Sciences	28-11-22	02-12-22	5 days
Ch Rami Naidu	Artificial Intelligence	28-11-22	02-12-22	5 days
V Priyadarshini	Cloud Computing	22-11-22	26-11-22	5 days
D Sri Phanindra Varma	Machine Learning For Data Science Using Python	19-12-22	28-12-22	10 days

**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**  
**B. DHARMIK - 3/4 CSE**