

## OUR INSPIRATION



Dr. D.K. Audikesavulu  
Founder Chairman



# e-NEWS LETTER

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Department of Computer Science and  
Engineering



Smt. D.A. Satyaprabha  
Chairperson  
(2013-2021)

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#### Inside this issue

Events @ SITAMS  
NSS activities  
Faculty achievements  
Student achievements

### CHAIRMAN'S MESSAGE



Sri. K. Ranganatham  
Chairman

In this serenity, the world is portrayed by technology and constant change. In order to survive and perform successfully in the contemporary competitive environment, we have to adopt constantly with innovative techniques and be prepared to update knowledge and life skills through continuous learning all the time because education is a pivotal contributing element to both social mobility and economic development.

### SECRETARY MESSAGE

We started our college with the vision of providing quality education to rural and urban youths. Our college owns world-class infrastructure and facilities includes state-of-art laboratories for Academics and Research, carrier development, placement cell and library. SITAMS known for its qualified and well experienced faculty members. At SITAMS, we provide a conducive environment for young engineers where they can be creative, learn to solve problems and express themselves. I am sure that we will achieve our mission with the cooperation and team work of every member of SITAMS.



Sri D. K. Badri Narayana  
Member, Industrialist  
& Philanthroist

### PRINCIPAL'S MESSAGE



Dr. N. Venkatachalapathi  
Principal

Our students have always set high benchmarks, competing with students all around the globe. In line with institute's vision and mission, we aim at providing excellent academic ambiance, student centric teaching-learning process, state-of-the-art infrastructure, highly qualified and experienced faculties and an overall dynamic and disciplined workplace. To meet pace with fast emerging technologies and rapidly changing world around, we try to nurture attitude of a leader and a lifelong learner among our students. I feel privileged to invite students seeking quality engineering education, academicians, recruiters and industry professionals to experience the vibrancy with the budding technocrats of future, at SITAMS.

## HOD'S MESSAGE

I thank all the faculties and students who participated in the events in the academic year 2023-24. I hope this will be continued further to improve the self-quality and department quality.



Dr. M. Saravanan HOD

### COLLEGE VISION

- ✦ To emerge as a Center of Excellence for Learning and Research in the domains of engineering, computing and management.

### COLLEGE MISSION

- ✦ Provide congenial academic ambience with state-of-art of resources for learning and research.
- ✦ Ignite the students to acquire self reliance in the latest technologies.
- ✦ Unleash and encourage the innate potential and creativity of students.
- ✦ Inculcate confidence to face and experience new challenges.
- ✦ Foster enterprising spirit among students.
- ✦ Work collaboratively with technical Institutes / Universities / Industries of National and International repute.

### DEPARTMENT VISION

- ✦ To contribute for the society through excellence in Computer Science and Engineering (Artificial Intelligence and Machine Learning) with a deep passion for wisdom, culture and values.

### DEPARTMENT MISSION

- ✦ Provide congenial academic ambience with necessary infrastructure and learning resources.
- ✦ Inculcate confidence to face and experience new challenges from industry and society.
- ✦ Ignite the students to acquire self reliance in State-of-the-Art Technologies
- ✦ Foster Enterprising spirit among students

## Events

### Placement Cell

#### Training program

The Training and Placement Cell organized a training program by M/S Mayinkrish Ventures Pvt. Ltd., Hyderabad for the final year students of B.Tech. and MCA, the training commenced from 15th November, 2023 onwards for a duration of 24 working days.



Placement Training Program (15-11-2023 to 15-12-2023)

## Women Empowerment Cell

### Guest Lecture

Lok Adalath Legal Awareness Camp was organized on 02-12-2023 for all B.Tech, MBA and MCA students in SITAMS Engineering College under Women Empowerment Cell. The Women Empowerment Cell Coordinator Dr.H.Umamahesvari addressed the gathering. In this program, the resource person of the Awareness Camp Shri Ramesh Babu, Chairman, Permanent Lok Adalat, Chittoor District. spoke about the importance of Lok Adalath and benefits of consulting Lok Adalath, how to get legal advice, legal rights for poor people



Lok Adalath Legal Awareness Camp(02-12-2023)

## Research & Development Cell

### International Webinar

An international webinar was conducted on 24-11-2023 by Research and Development Cell, Dr. H.Umamahesvari, R&D Co-Ordinator, SITAMS organized the webinar for the benefits of students who are in Final Year B. Tech, MBA and MCA. In this program, the resource person of the webinar Dr. Naveen Kumar Reddy, Deputy Manager, R&D, Air Gas Electronics Materials Enterprise, Taiwan, explained about the opportunities available at Taiwan to do Masters and Ph.D with the assistance of scholarships available to students for higher studies in Taiwan.



International Webinar on How to Apply Taiwan Scholarships , Masters and Ph.D"(24-11-2023)

## International Webinar

An international webinar was conducted on 23-09-2023 by Research and Development Cell, Dr. H.Umamahesvari, R&D Co-Ordinator SITAMS organized the webinar for the benefits of Faculty, PG & UG students of. In this program, the resource person of the webinar Sri.Reddy Aravind, Senior Computer Vision Engineer, Airworks Solution, Boston, USA, explained about the significance and research opportunities of Artificial Intelligence.

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, (AUTONOMOUS)**  
 Research and Development Cell proudly presents  
**LIVE INTERNATIONAL WEBINAR ON RESEARCH OPPORTUNITIES IN ARTIFICIAL INTELLIGENCE**  
 CONVENTIONAL NEURAL NETWORKS  
 VISUAL TRANSFORMERS  
 LARGE LANGUAGE MODELS  
**Mr.Reddy Aravind**  
 Senior Computer Vision Engineer  
 Airworks Solution, Boston, USA  
 23 SEPTEMBER 2023  
 10.00 AM to 11.30 AM  
**DR.H.UMAMAHESVARI**  
 PROFESSOR  
 R&D COORDINATOR  
**REGISTER NOW**

**Convolutional neural networks**

The diagram illustrates the flow of data through a CNN: **INPUT** (28 x 28 x 1) with a handwritten digit '2' is processed by **Conv\_1 Convolution** (5 x 5 kernel, valid padding) to produce **n1 channels** (24 x 24 x n1) labeled 'Edges and simple features'. This is followed by **Max Pooling** (2 x 2) to produce **n1 channels** (12 x 12 x n1). The next stage is **Conv\_2 Convolution** (5 x 5 kernel, valid padding) to produce **n2 channels** (8 x 8 x n2), labeled 'Complex, difficult to interpret features'. Another **Max Pooling** (2 x 2) step leads to **n2 channels** (4 x 4 x n2). The final layers are **Conv\_3 Fully Connected Neural Network** (ReLU activation) and **Conv\_4 Fully Connected Neural Network**, resulting in an **OUTPUT** of 10 units (0-9).

Source: Analytics Vidhya

International Webinar on "Research Opportunities in Artificial Intelligence(23-09-2023)

## National Webinar

A National Webinar on "Advanced Defence Technologies, For Land Based Combat Vehicles" was conducted on 08-09-2023 for B.Tech students in SITAMS Engineering College. The resource Person speaker of this programme Sri. N Venkatramana, Scientist 'E' and Deputy Director Combat Vehicles Research and Development establishment (CVRDE), DRDO Chennai gave a brief lecture B.Tech Engineering students on Advanced Defence Technologies, For Land Based Combat Vehicles, explained about the challenges faced with the designing of Land Based Combat Vehicles, how to equip them with powerful engines, advanced suspension systems.

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, (AUTONOMOUS)**  
 RESEARCH AND DEVELOPMENT CELL WELCOMES YOU ALL FOR THE NATIONAL WEBINAR ON  
**ADVANCED DEFENCE TECHNOLOGIES FOR LAND BASED COMBAT VEHICLES**  
 Resource Person  
**Sri. N.VENKAT RAMANA**  
 Scientist 'E' and Deputy Director  
 Combat Vehicles Research & Development Establishment (CVRDE) Defence Research and Development Organization DRDO, Chennai  
 Targeted Audience: Faculty and Final Year B.Tech Students  
 E- Certificates for Successful participants  
 Free Registration  
**DATE: 08-09-2023**  
 Time: 11.00 AM to 12.30 PM  
 For further Details contact  
**Dr.H.Umamahesvari**  
 Professor  
 Coordinator, R&D Cell  
 Mobile: 8331927622

**OVERVIEW OF CONTENTS**

- Introduction
- Importance in Modern Warfare
- Active Protection System
- Communication Radio in Battle Tanks
- Cyber-Bit Networking
- Networking
- Thermal Imager
- Laser Rangefinder
- Miss. How
- Nanomaterials
- Battle Tank Protection
- Engine Technology
- Transmission Control
- Laser Warning Counter Measure System
- Drones
- Accuracy Aspects
- Types Of Tanks

National Webinar on "Advanced Defence Technologies, For Land Based Combat Vehicles" (08-09-2023)

## Entrepreneurship Development Cell

An Expert talk was organized by Entrepreneurship Development Cell on 17<sup>th</sup> November 2023 at SITAMS College, Chittoor from 10AM to 4PM in Gallery for the students of MBA, MCA and B.Tech(ECE&EEE). Dr. K. Sudarsan, Convenor, Head of MBA Dept., introduced about the Expert Talk on My Story-Motivational Session by Successful Entrepreneur/Startup Founder to the audience and said that the importance of entrepreneurship, innovation and commercialization in the nation and world. Expert Mr. B.R.M.V. KRISHNA, CEO of MayinKrish Ventures Pvt. Ltd., Hyderabad started the session. The participants gained knowledge about the entrepreneurship, need of start-ups, idea generation, conversation of idea into product, how to start startup, how to overcome the problems in the business and also its importance for the development of personal and nation.

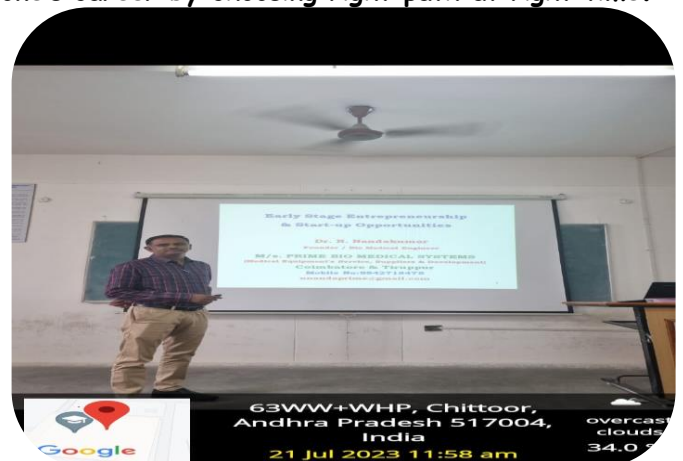


“My Story-Motivational Session by Successful Entrepreneur/Startup Founder”(17-11-2023)

## Institution's Innovation Council(IIC)

### Expert Talk

IQAC and Department of ECE organized an industrial expert talk on Early State Entrepreneurs-An Opportunity to students & Faculty on 21st July 2023. Dr.N.Nandakumar, proprietor of Prime Bio-medical systems, Tirupur is the chief guest of this technical event. The guest, Dr.N.Nandakumar explored the possibilities for budding engineers as entrepreneur which is the other way to settle in the career by choosing the relevant and interested field. He expressed in his speech that there are four types of entrepreneurship namely small business, start-up, large business and social entrepreneurships. He motivated the students to gain the importance of understanding the classifications and involve one's career by choosing right path at right time.



Early State Entrepreneurs-An Opportunity to students & Faculty (21-07-2023)

## Outreach Program

The Institution's Innovation Council (IIC) along with NSS of SITAMS, organized an Innovation and Entrepreneurship outreach programme at ZPHS Government school, Kanipakam on 19th July 2023. There were 30 students volunteers divided into 6 equal groups. Each group of volunteers were assigned with different creative tasks which propagated about innovation and entrepreneurship. This programme also assisted the school students with various creative and innovative related activities.



"Innovation and Entrepreneurship Outreach Programme"(19-07-2023)

## Guest Lecture

Industry Institute Interaction Cell and Department of ECE organized an industrial expert talk session on "Electronic Products Manufacturing - an Insight" on 26 th July 2023. Mrs.M.Subha, former RMA Service Engineer, Christ Church-New Zealand, who is presently working at Thapovan Info Systems, Chennai is the chief guest of the technical event. The guest, Mrs.M.Subha interacted with the students and explored the flow of manufacturing the electronic products. She stated in her speech that the electronics manufacturing process in production is the methodology the manufacturers use to transform design concepts into tangible electronic products. It encompasses various stages such as design, component sourcing, assembly, testing, enclosure manufacturing, quality control, and packaging. She motivated the students to understand the concepts clearly which is required to face challenges to get career opportunities at the time of technical interviews when the aspirants seek job in core domains.



Industrial Expert Session on "Electronic Products Manufacturing - an Insight" (26.07.2023)

## Guest lecture

Industry Institute Interaction Cell and Department of ECE organized a Guest lecture on "Role of Electronics towards software driven Modern Vehicular Technology" on 14th October 2023. Dr.B.Ashok, Associate Professor and Head of Automotive Engineering, SMEC, VIT University, Vellore acted as a resource person for this event. He has briefed about the vehicular technology and role of electronics in the modern vehicles. He has given a overview on how the electronics play a major role in vehicles in the advanced future generations.



Guest Lecture on "Role of Electronics towards software driven Modern Vehicular Technology"(14-10-2023)

## Workshop

Industry Institute Interaction Cell and Department of ECE organized a Workshop on "MATLAB for Image Processing Applications and Introduction to ML & DL" on 14th December 2023. Mrs.S.Rajalakshmi, Associate with Strydo Technologies pvt.ltd, Vellore acted as a resource person for this event. She has briefed about the MATLAB for image processing Application and Introduction to ML & DL. She has given an overview on how MATLAB play a major role in real life in the advanced future generations. She also explained the basic programming MATLAB code with real time examples



Workshop On "MATLAB for Image Processing Applications and Introduction to ML & DL"(14-12-2023)

## Workshop

The Department of Electronics and Communication Engineering in association with Institution's Innovation Council (IIC), STRYDO technologies has organized a Workshop on "Hardware for AIML using VLSI Techniques" 14th December 2023. Dr. S. Vijayakumar, Professor and Head, gave the welcome address and he delivered a brief introduction about the workshop. Dr.M.Saravanan, Principal (I/C), and Dean Academics has appreciated the Department for Conducting this Workshop. He honored the chief guest Dr.R.Sakthivel and motivated the students by conveying the importance of participation in workshop. It may reduce the industry gaps. Dr. R.Sakthivel, Department of Micro and Nano electronics, VIT University, Vellore, in his session, he briefed about importance of Artificial intelligence (AI), sometimes called machine intelligence concerned with building smart machines capable of performing tasks that typically require human intelligence.



Workshop on "Hardware for AIML using VLSI Techniques"(14-12-2023)

## Guest Lecture

Department of CSE organized a one day Guest Lecture on "Emerging Technologies in Cyber Security" for CSE branch students on 08.07.2023. The speaker for the session was Dr.MUNI RAJU NAIDU VADLAMUDI,VNR VJIED, Hydrabed.



"Emerging Technologies in Cyber Security" (08.07.2023)

## National Service Scheme(NSS)

Our students as NSS Volunteers continuously showing leadership skills and serving rigorously for community health care, literacy drives, environmental protection, Blood donation camps, informative lecture on human values regularly to the society by visiting nearby villages and educating and helping the poor and the destitute. This time NSS has also organized many activities.



GURU PURNIMA (03-07-2023)



WORLD POPULATION DAY (11-07-2023)



WORLD YOUTH SKILLS DAY (15-7-2023)



NATIONAL FLAG ADAPTATION DAY(22-07-2023)





INDEPENDENCE DAY (15-8-2023)



TEACHERS' DAY (05-09-2023)



ENGINEERS' DAY (15-09-2023)



SUICIDE AWARENESS AND PREVENTION (16-09-2023)



Vinayaka Chavithi Celebrations (16-9-2023)



International Day of Peace(21-9-2023)



NSS Formation Day (25-09-2023)



Awareness Program on Anti Ragging (22-09-2023)



Awareness Program on evil effects of I D Liquor & Drugs (26-09-2023)



Drawing Competition for children's day in association with TV99 Channel (29-09-2023)



Essay writing competition organized by Sri Sathya Sai trust, chittoor (04-10-2023)



Blood Donation Camp (05-10-2023)



National Education Day (11-11-2023)



World Television Day (21-11-2023)

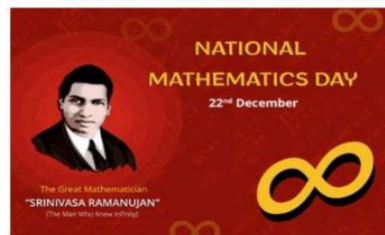


Constitution Day of India (26-11-2023)

**SREENIVASA INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT STUDIES**  
**WORLD AIDS DAY**



World AIDS Day(01-12-2023)



**Awareness on Transform Yourself to Transform the Nation(15-12-2023)**

**National Mathematics Day (22-12-2023)**

## Faculty Achievements

### NPTEL Completed

S.NO.	NAME OF THE FACULTY	COURSE NAME	NUMBER OF WEEKS	AWARD
1.	Dr. Munipraveena Rela	Deep Learning	12 Weeks	Elite
2.	Dr. Munipraveena Rela	Deep Learning	12 Weeks	Elite
3.	D.Gowtham	Introduction to Internet of Things	12 Weeks	Elite

### Papers Presented

S.No.	Name of the Faculty and Designation	Title of the Paper	Name of the conference	International/ National
1	Dr.D.BRIGHT ANAND Associate professor	AN EFFICIENT AND SECURE STORAGE AUDITING SCHEME FOR DATA SHARING IN CLOUD ENVIRONMENT	International Journal of Research in Engineering, IT and Social Sciences, Volume 12, Issue 7,2023	SCOUPS
2	Dr.D.BRIGHT ANAND Associate professor	BATTLE ROYALE OPTIMIZATION-BASED RESOURCE SCHEDULING SCHEME FOR CLOUD COMPUTING ENVIRONMENT	Computer System Science and Engineering Volume 46, Issue 3., Dec & 2023	SCI
3	Dr. R.Saraswathi Associate professor	SCHEME FOR DATA SHARING IN CLOUD	IJSCSEIT Volume 9, Issue 5 Dec '2023	SCI

## FDPs/Workshops/Webinars Attended

S.No.	Name of the Faculty and Designation	Particulars of the program	Organizer details	Date
1.	Mr. M.E.PALANIVEL Associate professor	Reinforcement Learning	IITMADRAS	Jan-Apr 2024
2.	Mr. M.E.PALANIVEL Associate professor	Machine Learning and Deep Learning - Fundamentals and Applications	IITGUHATI	Jul-Oct 2023
3.	Mr. M.E.PALANIVEL Associate professor	Artificial Intelligence : Search Methods for Problem Solving	IITMADRAS	Jul-Oct 2023
4.	Mr. E.Purushotham Associate professor	Cyber Security	Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR Edtech Pvt. Ltd.	25th Sep to 14th Oct 2023.
5.	Mr. E.Purushotham Associate professor	Deep Learning for NLP and Computer Vision	Chaitanya Bharathi Institute of Technology (CBIT) in Collaboration with ExcelR.	10th July to 28th July 2023.
6.	Dr.D.BRIGHT ANAND Associate professor	LINUX xpert Systems Chennai	RVS Educational Trust Group of Institutions, Dindigul, T.N	20th & 21st Dec2023
7.	Dr. R.Saraswathi Associate professor	Data Science and Its Applications	Bapatla Engineering College- Bapatla	07.08.23 to 09.08.23
8.	Dr. R.Saraswathi Associate professor	Cloud Infrastructure AWS	JNTUK University College of Engineering Narasaraopet -Kakinada	21.08.23 to 25.08.23
9.	Dr. R.Saraswathi Associate professor	Recent Trends in Artificial Intelligence & Data Science	SITAMS Chittoor	03-12- 2023 to 05-12-2023
10.	Dr R.Saraswathi Associate professor	Design & Innovation on Wireless Communication with Advanced Technology	Gates Institute of Technology	17-01-24 to 22-01-24

# Students Achievements

## Students Toppers

The following is the list of Toppers for the academic year 2023-24 I semester.

Year	Reg No	Student Name	RANK
CSE II YEAR	22751A0516	Balaji Ramya	I
	22751A0587	M Padmasri	I
	22751A065	K Swapna	II
	22751A0509	Ankam Varsha	III
	22751A05E2	Sekhar Shalini	III
CSE III YEAR	21751A0597	M Jahnavi	I
	21751A0571	Gayathri	II
	21751A0578	Rupa Sri	III
	21751A0508	Padma Sri	III
CSE IV YEAR	20751A087	K Preethi	I
	20751A05C5	N P Sai Prasanna	I
	20751A05H7	T Pallavi	I
	20751A0556	G Brinda	II
	20751A0509	A Chandu Priya	III
	20751A0528	Bommireddy Geevimanu Deepa	III



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