



DEPARTMENT OF CSD

A HALF-YEARLY NEWSLETTER

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Jan-jun

Vol. 6

Issue - 1



ADITYA

Institute of Technology and Management (An Autonomous Institution)

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ADITYA

Institute of Technology and Management (An Autonomous Institution) Department of Computer Science & Engineering Data Science

Vision and Mission of the Institute

Vision

To evolve into a premier engineering institute in the country by continuously enhancing the range of our competencies, expanding the gamut of our activities and extending the frontiers of our operations.

Mission

Synergizing knowledge, technology and human resource, we impart the best quality education in Technology and Management. In the process, we make education more objective so that efficiency for employability increases on a continued basis.

Vision and Mission of the Department

Vision

To lead Data Science education and research, empowering students to innovate, solve problems and make impactful decisions using data-driven technologies for the benefit of society industry.

Mission

M1: Provide a strong foundation in data science for innovative thinking and problem-solving.

M2: Incorporate practical skills in database design, implementation, and decision-support systems to enhance business processes.

M3: Prepare students in creating effective data models, maintain data quality, gain insights, and manage large datasets.

Chairman's Message

At AITAM, we are committed to excellence in everything we do. We strive to mould the students in balancing intellectual and practical skills to become leaders in all the fields of Technical know-how and Management. We have created the finest facilities for the students to make the most of their scholastic pursuits. We are closely aligned with the corporate world which ensures exchange of ideas and experiences that keep our curricula focused on current developments and challenges in the field of engineering. We are firmly committed to research and consulting activities to contribute to the development of the discipline of engineering. Our vitality lies in our spirit of innovation. Our strength lies in our pragmatic approach. Our success lies in our will to do.



Dr. K. Someswara Rao

Secretary's Message

Aditya Institute of Technology and Management is founded to meet the increasing demand for competent engineering graduates. Within a short span of its inception, AITAM has grown to be a premier engineering college of its kind and has won laurels and kudos from the industry. The faculty and staff in AITAM are dedicated to providing first-class education that instills strong and potent basic knowledge for sound practice in science and engineering for the well-being of the society. The Institute offers curricula that nurtures creative thinking and prepares students for productive and rewarding careers. The Institute offers programmes that deepen learning experiences of our students and prepare them for successful careers as engineers.



Sri L.L. Naidu
SECRETARY

Director's Message

Engineering education at AITAM is indeed a rewarding intellectual experience. The Institute prepares the engineering professionals of tomorrow imbued with insight, imagination and ingenuity to flourish as successful engineers. Our programs are attuned to the needs of the changing times. The classrooms are ultra-modern; the library and labs are cutting-edge; and all the members of the faculty are workaholic professionals and masters in their fields. Not surprisingly, our students are recruited by such renowned organizations as HCL, Satyam, WIPRO, INFOSYS, TCS, Visual Soft, Innova-Solutions and InfoTech. The exceptional dedication of our students, faculty and staff, and our collaborations with Industry and other institutions ensure that the Institute is well-poised to create a unique niche in the horizons of engineering education.



Prof. V.V. Nageswara Rao
DIRECTOR

Principal's Message

It is only through knowledge that man attains immortality. Knowledge has to expand or grow to remain as knowledge. The road to excellence is toughest, roughest and steepest in the Universe. The world requires and honors only excellence. Available information has to be directed by wisdom and intelligence to create new knowledge. Promotion of creativity is the new role of education. It is only through creative thinking that the present and future problems can be addressed to find dynamic solutions. Technology should be used to help remove poverty from the world. In fact forty per cent of the world's poor are in India. Confidence leads to capacity. It is faith in oneself that produces miracles. Education at AITAM helps build character, strengthen the mind, expand



the intellect and establish a culture of looking at problems in a new perspective. The student is put through rigorous training so that he can stand on his own feet after leaving the portals of the Institute.

Dr.A.S.Srinivasarao
PRINCIPAL

HOD's Message

Computer Science and Engineering (Data Science) is professional engineering discipline that deals with data analysis, machine learning and statistical methods to equip students to deal with large datasets and extract meaningful insights. Our department has well qualified and experienced faculty and staff to provide string foundation on data science for innovative thinking and problem solving. Our department guide the students to develop their skills in database design, implementation and decision support systems which will enhance business processes. Our department has conducted many student centric activities like hackathons , ideathon , guest lectures , expert talks to ensure students aware of latest developments in emerging areas and we encourage the students in participate in various outreach activities. Our department faculties are actively published in reputed international and national journals and actively participated in various international and national conferences to publish papers.



Dr.NareshTangudu,
HOD of CSD Department

Faculty publications

1.**Dr. Tangudu:** NeuroScan: Deep Learning based model for Early detection of Alzheimer's disease for Health Care Sector. NeonatalSurg[Internet]. 2025Apr.9 [cited 2025Jun.11];14(13S):496-50.

Available from: <https://jneonatalurg.com/index.php/jns/article/view/2343>

2.**Pedada Priyanka:** *A Novel Approach for Enhancement in Detection of Diabetic Retinopathy Using Customized DenseNet121*. Aditya Institute of Technology and Management, Kotturu, Tekkali, Srikakulam, Andhra Pradesh, India. Published: 26 February 2025.

3.M.Laxman Rao : “ *Development of image-based automatic disease symptom detection model for onion downy mildew using multi-dilated efficient attention network* ”. 30jun2025 SCI

Department of CSE, Aditya Institute of Technology and Management, Tekkali, Andhra Pradesh 532201, India

4. ROSHAN G.V.S. BOMMIDI : *Presenting a paper titled “Cart Pole Balancer using Deep Q-Network”* in the 4th IEEE Wireless, Antenna and Microwave symposium organized by Indian Institute of information Technology, design and manufacturing, Kancheepuram, Chennai during June 5-8,2025.

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ATTENDED

S.No.	Name of The Faculty	Title
1	Dr. Naresh Tangudu	AI Tools, Behara College of Engineering and Technology, 17th to 21st Feb, 2025 .
2	Mrs.Pedada Priyanka	An overview of machine learning with practical approach tools Aitam,Tekkali
3	Mrs.Pedada Priyanka	Innovative assessment using Plickers, Aitam,Tekkali
4	Mrs.Pedada Priyanka	The AI Beyond Frontier:-Recent Breakthroughs And Next-Gen Prospects" 21/04/25 to 25/04/25 CBIT, HYD
5	Mrs.Pedada Priyanka	Nep Orientation And Sensitization Programme 18/02/25 to 28/02/25 UGC-MMTTC. 18/02/25 to 28/02/25
6	Mr. Kalyan Savalapurapu	"Text & Image Analysis using Machine Learning” ,CS&AI at SR University 10th to 14th January ,2025.
7	Mr. Kalyan Savalapurapu	AI Tools, Behara College of Engineering and Technology, 17th to 21st Feb, 2025
8	Mr. Kalyan Savalapurapu	Quantum Computing in Artificial Intelligence and Machine Learning Using Qiskit GMR Institute of Technology, Sklm 3rd to 7 th Mar, 2025
9	Mr. Kalyan Savalapurapu	Innovation Through AI: Edge and Fog Computing for Smarter Systems GMR Institute of Technology, Sklm 25th to 29th April, 2025
10	Mr. M.Laxman Rao	Innovation through AI: Edge and Fog Computing for Smarter Systems. 25-29th March 2025. GMRIT, Rajam.

CONFERENCES ATTENDED

S. No.	Name of The Faculty	Title	Name of the Conference	Venue & Dates
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1	Mrs. P. Priyanka	“Next-Generation Databases: Comparative Insight into NoSQL and NewSQL Systems”	IEEE International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025).	01-07-2025
2	Mr. Chunduru Anil Kumar	“Next-Generation Databases: Comparative Insight into NoSQL and NewSQL Systems”	IEEE International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025).	01-07-2025
3	Mr.Chunduru Anilkumar	“Enhancing Classification Accuracy Using Dimensionality Reduction Techniques for Machine Learning”	SCI-2025 conference in hybrid mode to be organized by Sunway University, Kuala Lumpur – Malaysia	2025
4	Mr.Chunduru Anilkumar	“Block Chain Based Service Publishing for Recommendation System”	SCI-2025 conference in hybrid mode to be organized by Sunway University, Kuala Lumpur – Malaysia.	2025
5	Mr. A.V.Prabhakar	“Next-Generation Databases: Comparative Insight into NoSQL and NewSQL Systems”	IEEE International Conference on Emerging Technologies in Engineering Applications (ICETEA-2025).	01-07-2025

PATENTS

S. No.	Name of The Faculty	Title of Patent	Details of Application	Date of applied or Publication	Status - Published /Applied
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1	Mr. M. Laxmana Rao	Block chain-based system and method for secure storage and retrieval of payload data. ApplicationNo 202541026158.	21-3-2025	28-03-2025	published
2	Mr. D.Vikram Lakshmi Kanth	A computer-implemented system for verifying website document integrity using a permission Block Chain.	21-3-2025	28-03-2025	Published
3	Mr. S.Kalyan	"Block Chain - Based System and method for Secure Storage and retrieval of payload data"	21-3-2025	28/3/2025	Published

BOOKS PUBLISHED:

Dr. NareshTangudu:

1. Published a Book entitled " CYBER SECUIRTY", Shree Publishing House, ISBN 978-93-95250-94-8,Year 2025.
2. Published a Book entitled "PYTHON PROGRAMMING" Shree Publishing House,**ISBN:** 978-93-95250-42-9, Year 2025.
3. Published a Book entitled "ALGORITHMS FOR INTELLIGENT SYSTEMS", Shree Publishing House, ISBN: 978-93-25060-86-5, Year 2025.

Mr.Chunduru Anilkumar:

1. Python Programming, Dr. Naresh Tangudu, Mr. Chunduru Anilkumar, Mr. A.V. Prabhakar, Mr. Myalapili D R Siva Santosh, 978-93-95250-42-9, Shree Publishing House, 2025.

Mrs. Pedada Priyanka:

Published a Book entitled "ALGORITHMS FOR INTELLIGENT SYSTEMS", Shree Publishing House, ISBN: 978-93-25060-86-5, Year 2025

GUEST LECTURES:

1. Dr. NareshTangudu went as a Guest Speaker on the topic of Raptor toll for I-year CSC students. The Session is scheduled for 21-03-2025 .



2. Mr. Ch.Anil Kumar went as a Guest Speaker on the topic on Design and analysis of Algorithms for III-year CSM students. The Session is scheduled for 2-04-2025.



3. Mr. Ch.Anil Kumar went as a Guest Speaker on the topic on Formal Languages and Finite Automata for II-year CSE students. The Session is scheduled for 08-04-2025.

EVENTS:


EVENT:-ISTE STUDENT CHAPTER

Date: 27.01.2025 to 29.01.2025

Program: :Seminar of Data Science Horizons: Empowering Startups and Entrepreneurs.

Organized by: ISTE Students Chapter(CSD)

**SEMINAR ON
DATA SCIENCE HORIZONS:
EMPOWERING STARTUPS AND
ENTREPRENEURS**
UNDER
STUDENT ISTE CHAPTER
Organized by CSD & MCA
Departments

Resource Person  DINESH KUMAR HIRAWAT, CEO OF HMIES SOLUTIONS(OPC) PVT LTD	27.01.2025 TO 29.01.2025 6:30 PM - 7:30 PM AB PRABHAKAR ASSISTANT PROFESSOR MCA DEPARTMENT
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EVENTS:

EVENT:-AMIEESTUDENT CHAPTER

Date: 03-04-2025


Program: :BUILDING INNOVATIVE SOLUTIONS FOR ENTREPRENEURSHIP WITH PHP AND MYSQL

Organized by: ISTE Students Chapter(CSD)



AMIEE STUDENT CHAPTER


Building Innovative Solutions for Entrepreneurship with **PHP** and **MySQL**



ORGANIZED BY
CSD&MCA DEPARTMENTS

Date: 3Rd APRIL, 2025
Venue: Opera House, F Block

Resource Person
M.Laxman Rao
Assistant Professor
Department of Data Science
AITAM, Tekkali







Coordinator
D.VIKRAM
Assistant Professor
Department of Data Science
AITAM, Tekkali

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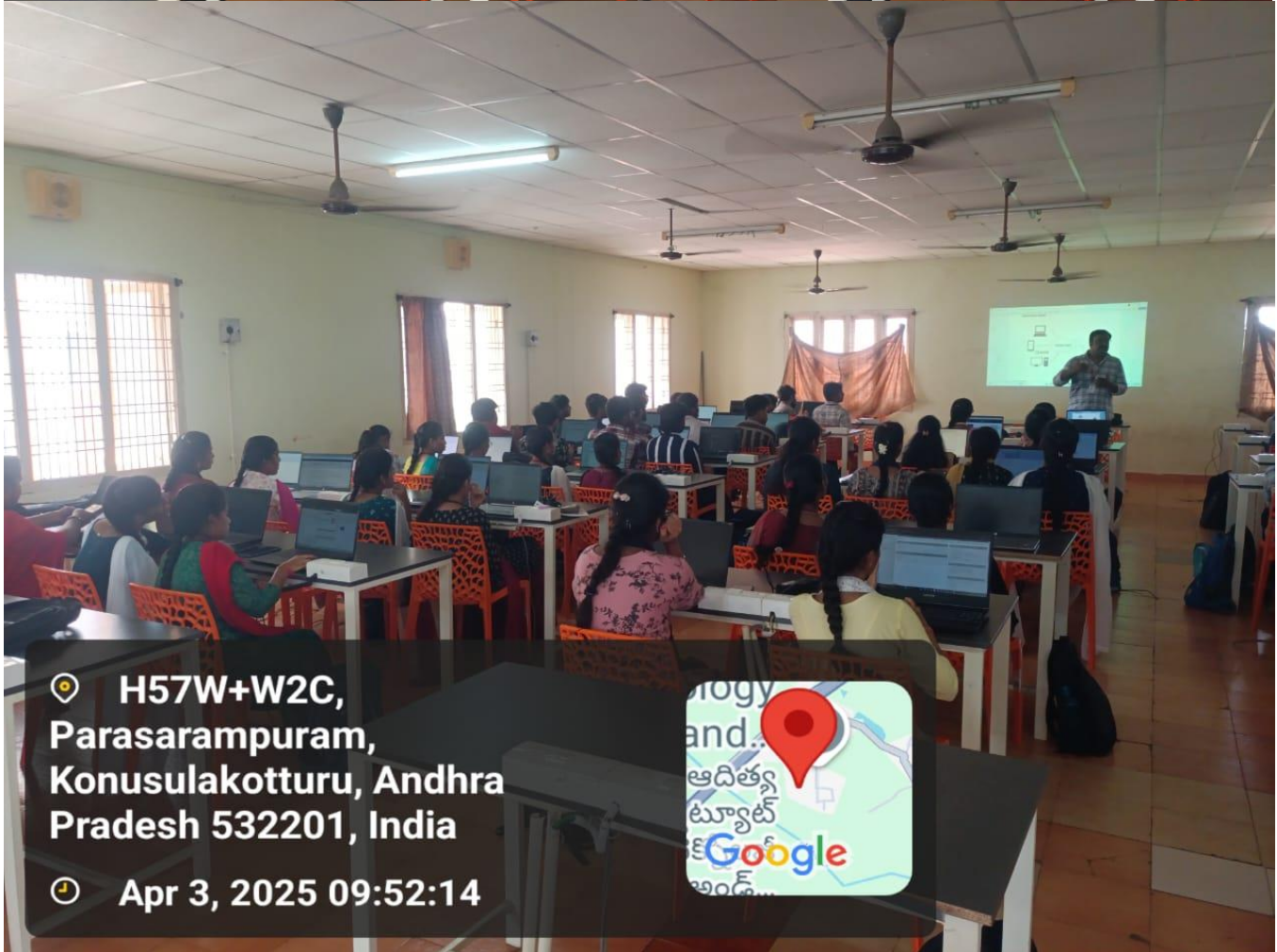




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Parasarampuram,
Konusulakotturu, Andhra
Pradesh 532201, India
🕒 Apr 3, 2025 09:52:23



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Parasarampuram,
Konusulakotturu, Andhra
Pradesh 532201, India
🕒 Apr 3, 2025 09:52:24



📍 H57W+W2C,
Parasarampuram,
Konusulakotturu, Andhra
Pradesh 532201, India
🕒 Apr 3, 2025 09:52:14



EVENT:-ISTE STUDENT CHAPTER

Date: 17TH TO 22ND FEB 2025

PROGRAM: Innovative Machine Learning : A Beginners Bootcamp for Future Ready AI

Organized by: ISTE Students Chapter(CSD)

The poster features a header with logos for AITAM (Aditya Institute of Technology and Management), NIRF, NAAC (National Assessment and Accreditation Council), Institution's Innovation Council, ISTE, and NBA (National Board of Accreditation). The main title is "ISTE STUDENTS CHAPTER Innovative Machine Learning: A Beginner's Bootcamp for Future-Ready AI". It is organized by the CSD&MCA DEPARTMENTS. A portrait of Dr. Rambabu Pemula is shown on the left. To the right, the event details are listed: Date: 17th to 22nd Feb, 2025; Time: 7:00pm to 8:00 pm; Platform: Google Meet; Resource person: Dr. Rambabu Pemula, Associate Professor (rambabupai@vjit.ac.in), Department of Artificial Intelligence, Vidya Jyothi Institute of Technology, Hyderabad - 500075; Coordinator: D.Vikram Lakshmi Kanth, Assistant Professor (vikram1227@gmail.com), Department of Data Science, AITAM, Tekkali. At the bottom, there is a red button with "APCETS CODE ADIT", social media icons for Facebook, Instagram, LinkedIn, and X, and the website URL www.adityatekkali.edu.in.

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**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education initiative)

ISTE

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NATIONAL BOARD OF ACCREDITATION
ACCREDITED BY

ISTE STUDENTS CHAPTER ▶

Innovative Machine Learning:

A Beginner's Bootcamp for Future-Ready AI

ORGANIZED BY
CSD&MCA DEPARTMENTS

Date: 17th to 22nd Feb, 2025
Time: 7:00pm to 8:00 pm
Platform: Google Meet
Resource person:
Dr. Rambabu Pemula
Associate Professor (rambabupai@vjit.ac.in)
Department of Artificial Intelligence
Vidya Jyothi Institute of Technology
Hyderabad - 500075
Coordinator:
D.Vikram Lakshmi Kanth
Assistant Professor (vikram1227@gmail.com)
Department of Data Science
AITAM, Tekkali

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EVENT:-ISTE STUDENT CHAPTER


Date: 26/02/2025

PROGRAM: PATENT LAW SIMPLIFIED: KEY INSIGHTS FOR INNOVATORS.

Organized by: Department of CSD



PATENT LAW SIMPLIFIED: KEY INSIGHTS FOR INNOVATORS






ORGANIZED BY
CSD&MCA DEPARTMENTS

Date: 26/02/2025
Time : 7:00 Pm-8:00PM
Platform: Google Meet

Resource person:
Dasari Karthik Raj BBA,MBA(P.hd)

Coordinator:
G Sai Tejaswi
Assistant Professor
MCA Department
AITAM,Tekkali

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EVENT:-ISTE STUDENT CHAPTER

Date: 22/03/2025

PROGRAM: Idea pitching in Banking and Finance Sector.

Organized by: Department of CSD

aitam **nirf** **NAAC** **NEA**

ISTE STUDENTS CHAPTER

Idea pitching in Banking and Finance Sector

ORGANIZED BY
CSD&MCA DEPARTMENTS

Date: 22nd March, 2025
Venue: Opera House, F Block

Resource person:
Sri Kiran Sanapathi
AVP-Head of Analytics
Indusind Bank

Coordinator:
M. Laxman Rao
Assistant Professor
Department of Data Science
AITAM, Tekkalli

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EVENT:-AMIEE STUDENT CHAPTER

Date: 22/03/2025

PROGRAM: An Overview Of Machine Learning With Practical Approach Tools.

Organized by: Department of CSD

AMIEE STUDENTS CHAPTER
AN OVERVIEW OF MACHINE LEARNING
WITH PRACTICAL APPROACH TOOLS

ORGANIZED BY
CSD & MCA DEPARTMENTS

Date: 17th Apr – 22nd Apr, 2025
Platform: Google Meet

► **Resource Person**
Sri Sashi Kanth Betha
Assistant Professor
Department of ECE
Vignan's Institute of Engineering for Women
Duvvada, Visakhapatnam

► **Coordinator**
P. Priyanaka
Assistant Professor
Department of CSD

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EVENT:

Date: National Startup Day 24/02/2025

PROGRAM: A Data Driven Poster Challenge.

Organized by: Department of CSD

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NTAM
EMPOWERING
ENGINEERS
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INSTITUTION'S
INNOVATION
COUNCIL

NATIONAL STARTUP DAY
INSIGHTS TO IMPACT:
A DATA DRIVEN POSTER CHALLENGE

Organizer
Mr. MYLAPILLI D R SIVA SANTOSH
Asst Prof
Miss. G TEJESWANI

Date
24/02/2025
MONDAY

ORGANIZED BY CSD & MCA DEPARTMENTS

EVENT:-AMIEE STUDENT CHAPTER

Date: 16/05/2025

PROGRAM: “ Scan & Learn: A Smart Twist On Student Assessment ”.

Organized by: Department of CSD

The poster is for an event titled "AMIEE STUDENTS CHAPTER" with the theme "SCAN & LEARN: A SMART TWIST ON STUDENT ASSESSMENT". It is organized by the CSD & MCA Department. The faculty coordinator is Smt. G. Tejeswari, Assistant Professor. There are two student coordinators: D. Dilleswari (23A51A4407) and K. Yuvaraju (23A51A4425). The event is scheduled for 16/05/2025 at B Block GF-02. The poster features logos for AITAM, NIRF, and other affiliations at the top. The background is dark blue with circuit-like patterns and icons of a lightbulb and a QR code.

AMIEE STUDENTS CHAPTER

"SCAN & LEARN: A SMART TWIST ON STUDENT ASSESSMENT"

ORGANIZED BY

CSD & MCA DEPARTMENT

FACULTY COORDINATOR

SMT.G.TEJESWARI
ASSISTANT PROFESSOR

STUDENT COORDINATORS

D.DILLESWARI
23A51A4407

K.YUVARAJU
23A51A4425

DATE

16/05/2025

VENUE

B BLOCK GF-02

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EVENT:-ISTE STUDENT CHAPTER

Date: 8/01/2025

PROGRAM: “ REEL E MAKER ”.

Organized by: Department of CSD



The poster is for a Sankranti festival celebration. It features a central illustration of a traditional Sankranti pot (kalash) on a decorated base, flanked by two palm trees. Above the pot, the text 'REEL E MAKAR (SANKRANTHI CELEBRATION)' is written in blue. The background is a warm brown with a subtle floral pattern. Decorative elements include a string of yellow and orange flowers at the top, a blue kite on the left, and a red kite on the right. At the bottom, there are illustrations of a woman in a yellow sari, a man in a white shirt and hat, and a man on a tractor. The text 'aitam' and 'ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT' is in the top left. The ISTE logo is in the top center. The text 'ISTE STUDENT CHAPTER' and 'DEPARTMENT OF CSD & MCA' is in the center. The text 'COORDINATOR P.PRIYANKA' is on the left. The text 'LAST DATE TO VIDEO UPLOAD 08/01/2025' is on the right. The text 'REGISTRATION FEE-50/-' and 'LINK FOR REGISTRATION AND VIDEO UPLOAD' is in the center. The text 'HTTPS://FORMS.GLE/YREXOUVD3XJNCRTN9' is in the center. The text 'SCAN ME' is above a QR code.

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ISTE
SOCIETY FOR TECHNICAL EDUCATION

ISTE STUDENT CHAPTER
DEPARTMENT OF CSD & MCA

REEL E MAKAR
(SANKRANTHI CELEBRATION)

COORDINATOR
P.PRIYANKA

LAST DATE TO
VIDEO UPLOAD
08/01/2025

REGISTRATION FEE-50/-
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HTTPS://FORMS.GLE/YREXOUVD3XJNCRTN9

SCAN ME



List of Activities for A.Y.2024-2025

Programme 1

Programme : 1

Activity Name: Engineers day

Date: 15-09-2024

Brief report: AITAM NSS Team conducted NSS Event at AITAM College.

No of students attended: 80

No of Faculties attended: 5



Programme2

Programme :2

Activity Name: SwachtakiSeva

Date: 18-09-2024

Brief report:

AITAM NSS Team conducted Swachtakiseva event at KonusuKothuru.

No of students attended: 80

No of Faculties attended: 5



Programme3

Activity Name

Date: 20-09-2024

Brief report:

AITAM NSS Team visited Dandugopalapuram nearby village to college and conducted Awareness to villagers and school children on COVID pandemic and to take other precautionary measures to follow.

No of students attended: 30

No of Faculties attended: 2







Konusulakotturu, Andhra Pradesh, India
H58v+4xm, Parasurampuram Rd, Konusulakotturu, Andhra Pradesh 532201, India
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26/04/2025 11:34 AM GMT +05:30

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P.Vinay, 22A51A4451



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