

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT



DEPARTMENT OF CIVIL ENGINEERING



A HALF-YEARLY NEWSLETTER

ACADEMIC YEAR: 2024-2025

Volume 17, Issue 1

EDITORIAL BOARD:

Faculty: Dr.G.Prasanna Kumar, Assistant Professor

Students: S.Sai Teja, IV-A

P.Sai Harshini, IV-B

B. Sai Manikanta, III-A

B. Ravi Teja, III-A

DEPARTMENT OF CIVIL ENGINEERING

A HALF-YEARLY NEWSLETTER

AY: 2024-25	January-June	Vol. 17	Issue - 2
-------------	--------------	---------	-----------



ADITYA

Institute of Technology and Management
(An Autonomous Institution)

Tekkali-532 201, Srikakulam Dist., AP

Tel: 0845-245666, 245266, 92466 57908

Email: info@adityatekkali.edu.in

CONTENTS

1. Vision & Mission of the Institution
2. Vision & Mission of Department
3. Chairman's message
4. Secretary's message
5. Director's message
6. Principal's message
7. HOD's message
8. Faculty Publications
9. Faculty Workshops
10. Courses Certifications
11. Professional Activities

ADITYA

Institute of Technology and Management

(An Autonomous Institution)

Department of Civil Engineering

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 become a pioneer in the field of civil engineering by providing high quality education and research to serve the public consistently with competitive spirit professional ethics.

Mission

Provide quality knowledge and advance skills to the students in order to expertise theoretically and practically in the areas of civil engineering.

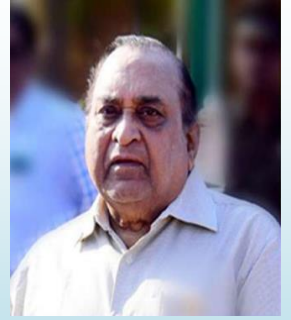
Improve the professional potentiality of the students and staff through educational programs to expand the knowledge in the field of civil engineering

Inculcate healthy competitive spirit towards the higher education and successful career in the field of civil engineering to serve the nation ethically.

Provide students and faculty with opportunities to create, disseminate and apply knowledge by maintaining a state of the art research.

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
CHAIRMAN

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. Srinivasa Rao
PRINCIPAL

HOD's Message

Welcome to the Department of Civil Engineering at AITAM, Tekkali. Our journey started in the year 2011. Over the past 4 years we have grown our competency and expertise in core Civil Engineering curriculum and research. Vision of the department is to become a pioneer in the field of civil engineering by providing high quality education and research to serve the public consistently with competitive spirit and professional ethics.



The primary focus of our curriculum is to impart technical know-how to students, improve their problem skills combined with innovative thoughts. The department is well equipped with state of the art laboratories for academics and research purpose. With funding from Technical Education Quality Improvement Program (TEQIP) and AICTE, special purpose lab equipment and software have been procured to support the research activities. Faculty members have excellent academic credentials possessing Doctorates and experienced staff from academics, research and core industry.

Dr. P. Dinakar

HOD, CIVIL DEPARTMENT

FACULTY PUBLICATIONS

1. B.Govinda Rajulu has published a paper titled as “ Optimization of Cutting Parameters using CCD Method in RSM and Genetic Algorithm for AISI 4140 Steel Alloy” in “International Journal of Vehicle Structures and Systems”, April, 2025, Vol. 17, Issue No.1.
2. V. S. Vani, Krupasindhu Biswal and G. Prasanna Kumar, published a paper titled as "A critical analysis of compressive strength prediction of glass fiber and carbon fiber reinforced concrete over machine learning models" in “Multiscale and Multidisciplinary Modeling, Experiments and Design”, Vol.8, No. 3, 2025, pp.178.
3. G. Prasanna Kumar has published a paper titled as "Development of lightweight high-strength engineered geopolymer composites using slag waste and vermiculite powder: mechanical, durability and microstructural assessments." in “Emergent Materials”, 2025, pp.1-28.
4. G. Prasanna Kumar, V. Sowjanya Vani and Krupasindhu Biswal have published a paper titled as “Feasibility study of novel Bengal Gram Husk Ash as a supplementary cementitious material: mechanical, durability and microstructural assessments”, in “Multiscale and Multidisciplinary Modeling, Experiments and Design”, Vol.8, No. 1, 2025, pp.1-17.
5. G. Prasanna Kumar, Krupasindhu Biswal, and G. Anil Kumar. "Effect of Fibers on Strength Characteristics of Concrete", International Journal of Advances in Agricultural Science and Technology 12, no. 3, March 2025, pp.120-128.
6. Sanjay Kumar Ray has published a paper titled as “Unveiling groundwater gems: A GIS-powered fusion of AHP and TOPSIS for mapping groundwater potential zones” in “Groundwater for Sustainable Development” , May, 2025, Vol. 29, pp. 101431

Total Publications	06
SCI Journals	04
SCOPUS	01
UGC	01

FACULTY DEVELOPMENT PROGRAMME/WORKSHOPS ATTENDED**External FDPs**

S. No.	Name of the faculty	Name of the Programme	Duration	Host Institution
1	Dr.V.Sowjanya Vani	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	3 rd to 12 th March, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
2	V.Divyasri	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	3 rd to 12 th March, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
3	Dr.G.Prasanna Kumar	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	18 th to 28 th Feb, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
4	Krupasindhu Biswal	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	3 rd to 12 th March, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
5	Dr.B.Visweswara Reddy	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	18 th to 28 th Feb, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
6	G.Gowri Sankararao	NEP 2020 Orientation and Sensitization Programme, MMTTP,UGC, GAD	18 th to 28 th Feb, 2025	Sri Guru Bahadur Khalsa College, University of Delhi
7	Dr.V.Sowjanya Vani	Innovations in Bridge Engineering: Design, Auditing & Maintenance	10 th to 12 th April, 2025	Sanjivani College of Engineering, Kopargaon
8	Dr.G.Prasanna Kumar	Innovations in Bridge Engineering: Design, Auditing & Maintenance	10 th to 12 th April, 2025	Sanjivani College of Engineering, Kopargaon
9	Dr.V.Sowjanya Vani	“Integrating AI and ML into CIVIL ENGINEERING Applications”	28 th April 2025 to 03 rd May 2025.	V.R. Siddhartha School of Engineering, NIT Warangal

10	Dr.G.Prasanna Kumar	“Integrating AI and ML into CIVIL ENGINEERING Applications”	28 th April 2025 to 03 rd May 2025.	V.R. Siddhartha School of Engineering, NIT Warangal
----	------------------------	---	--	--

Internal FDPs

S. No.	Name of the faculty	Name of the Programme	Duration	Host Institution
1	Dr.P.Dinakar	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
2	Dr.V.Sowjanya Vani	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
3	V.Divyasri	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
4	Dr.G.Prasanna Kumar	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
5	G.D.R.Naidu	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
6	S.Ramlal	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee

7	Dr.B.V.Reddy	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
8	G.Gowri Sankararao	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
9	G.Anil Kumar	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
10	Krupasindhu Biswal	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
11	B.Ganesh	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
12	R.Chandra Sekhar	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
13	Dr.B.Govinda Rajulu	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee

14	Dr.H.Ramamohan	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
15	Dr.Sanjay Kumar Ray	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
16	Dr.M.Suresh	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee
17	Dr.D.Himachandan	Python for Engineering Applications	11 th to 17 th March, 2025	Aditya Institute of Technology and Management, Tekkali, NITTR Chandigarh, IIT Roorkee

CONFERENCES ATTENDED

S. No.	Name of the faculty	Name of the Programme	Duration	Host Institution
1	Dr.V.Sowjanya Vani	1st International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)	24.01.2025-25.01.2025	CVR College of Engineering, Hyderabad
2	Dr.G.Prasanna Kumar	1st International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)	24.01.2025-25.01.2025	CVR College of Engineering, Hyderabad
3	Krupasindhu Biswal	1st International Conference on Sustainable Materials, Methodologies, Technologies & Applications in Engineering (ICS2MT-2K25)	24.01.2025-25.01.2025	CVR College of Engineering, Hyderabad

FACULTY DEVELOPMENT PROGRAMME ORGANIZED

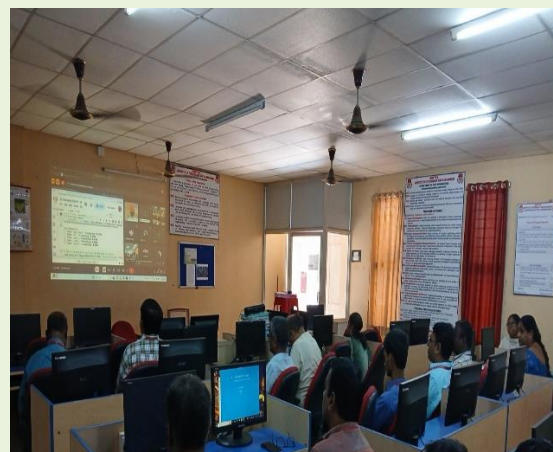
The Department of Civil Engineering organized one week online faculty development program on “Python for Engineering Applications” from 17th to 21st March, 2025 in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh Computer Science and Engineering Department and EICT IIT Roorkee Sponsored program. Dr. M.Suresh acted as Convener of the entire FDP. G.Gowri Sankara Rao and Dr.G.Prasanna Kumar acted as Co-Conveners of the FDP.

The registered participants are 55 from our organization named Aditya Institute of Technology and management, Tekkali joined offline at the Remote Centre. Faculty members as participants gained knowledge from lectures of resource persons. Resource persons are eminent personalities covered various topics on Python and Machine Learning techniques with the following schedule.

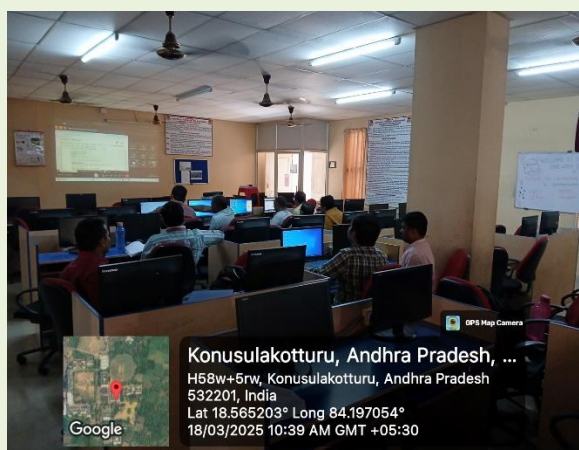
DAY	Session – 1 9:00 AM to 11:00 AM	Session - 2 11:00 AM to 1:00 PM	Session - 3 1:30 PM – 3:30 PM	Session - 4 3:30 PM – 5:30 PM
DAY-1 17/03/2025	Inauguration and Expert Lecture from IIT Roorkee	Essentials of Python: Hands-On Python Frameworks	Essentials of Python: Hands-On Python Frameworks	Strategic Instruction Pedagogy, Planning and Delivery
DAY-2 18/03/2025	Numerical Computing using Python	Data Preprocessing	Exploratory Data Analysis	Data Visualization
DAY-3 19/03/2025	Introduction to Machine Learning Algorithms	Machine Learning Algorithms Implementation and Evaluation	ICT/AI Tools for Teaching and Learning	Healthcare Applications using Python - A Case Study
DAY-4 20/03/2025	Computer Vision using Python Hands-On Face and Object Detection	Social Network Analysis using Python NetworkX	Air Quality Forecasting using Python	Agentic and Generative AI
DAY-5 21/03/2025	DDOS Attacks and Intrusion Detection using Python	Federated Learning for Cyber Security	Large Language Models (LLM) Implementation using Python	Stock Price Prediction using LSTM in Python

From day 1 i.e. on 17th March 2025, speaker Dr. Sandeep Singh from IIT Roorkee delivered lecture related to various AI tools such as Chat GPT, LLM, Machine Learning Schools and Google Collab in the first session. Second and third sessions were hands on practice sessions regarding Essentials of Python presented by Dr. Amit Doegar, Associate Professor, NITTTR Chandigarh. Fourth session was chaired by Dr. Maitreyee Dutta, Professor, NITTTR Chandigarh, spoke on Strategic Instruction

Pedagogy, Planning and Delivery. It covered various instructions and its stages along with the planning aspects.



The lectures on day 2 i.e. on 18th March 2025, by Dr. Shano Solanki Associate Professor, NITTTR Chandigarh enlightened participants with Numerical Computing using Python and Data Visualization in first and fourth sessions respectively. And second and third sessions were delivered by Dr. Mala Kalra Assistant Professor, NITTTR, Chandigarh, on Data Preprocessing and Exploratory Data Analysis related to machine learning process.



Dr. Maitreyee Dutta, Professor, NITTTR Chandigarh, chaired first and third sessions on 3rd day of the Faculty Development Program i.e. on 19th March 2025, involving Machine Learning Algorithms and ICT/AI Tools for Teaching and Learning. Participants had a detailed discussion on the assessment of Teaching and Learning process using various AI tools. On the same day, second and fourth sessions were delivered by Dr. Amit Doegar, Associate Professor, NITTTR Chandigarh and Dr. Jagriti Saini, Founder and Owner, Eternal Restem on Machine Learning Algorithms Implementation and Evaluation and Healthcare Applications using Python respectively. These lectures gave a complete orientation picture of applications of Machine Learning.



The 4th day lecture i.e. on 20th March 2025, is completely based on hands on sessions using PYTHON database. First session was the lecture given by Dr. Amit Doegar, Associate Professor, NITTTR Chandigarh on Computer Vision using Python Hands-On Face and Object Detection. In this session PYTHON programming was done for image and face identification using different commands. Second session was chaired by Dr. Shano Solanki Associate Professor, NITTTR Chandigarh, related to Social Network Analysis using Python Network. Third session was handled by Dr. Jagriti Saini, Founder and Owner, Eternal RestemonAir Quality Forecasting using Python. Fourth session was on Agentic and Generative AI by Dr. Sandeep Singh , IIT Roorkee which enhanced the participants knowledge on application modern AI tools with his research.



The lectures on day 5 first and second sessions were by Dr. Amit Deogar, Associate Professor, NITTTR Chandigarh, enlightened participants with DDOS Attacks and Intrusion Detection using Python. Third session was on federated Learning for Cyber Security by Large Language Models (LLM) Implementation using Python Dr. Gaurav Kumar Director, Magma Research & Consultancy Services, Ambala. Fourth session was on Stock Price Prediction using LSTM in Python by Dr. Jagriti Saini, Founder and Owner, Eternal Restem on Air Quality Forecasting using Python.



The contents of resource persons lectures enriched the knowledge of participants regarding the various applications of PYTHON in different Engineering disciplines. The participants are very much satisfied with the content and organization of workshop.

CIVIL ENGINEERING DEPARTMENT NEWSPAPER CLIPS

ఈనాడు
epaper.eenadu.net

ఐతమ్లో ముగిసిన శిక్షణ

టెక్నాలి, స్టూడెంట్స్: ఆదిత్య ఇంజనీరింగ్ కళాశాలలో వారం రోజుల పాటు జరిగిన అధ్యాపకుల శిక్షణ కార్యక్రమం శుభ్రవారంతో ముగిసింది. పైతాన్ ఫర్ ఇంజనీరింగ్ అప్లికేషన్స్ అంశంపై నిర్వహించిన సదస్సులో నిపుణులు ఆన్లైన్ డ్వారా పాల్గొన్నారు. రిసోర్సు పర్సన్లుగా సంజీవ్ మాన్ హాస్, మైత్రయిదుర్తి, అమిత్ దొయిగర్, సానోసోలంకి, సందీప్ సింగ్ వ్యవహరించినట్లు కళాశాల డైరెక్టర్ నాగేశ్వరరావు తెలిపారు.

కార్యక్రమంలో పాల్గొన్న అధ్యాపకులు

పా. పరిశ్రమలకు అనుసంధానంగా సైబర్ సెక్యూరిటీ, డేటా సైన్స్ మంటి అంశాలపై అవగాహన కల్పించారు. ప్రిన్సిపల్ శ్రీనివాసరావు పాల్గొన్నారు.

Date : 22/03/2025 EditionName : ANDHRA PRADESH(SRIKAKULAM)
PageNo :

ఆంధ్రప్రభ

'పైతాన్ ఫర్ ఇంజనీరింగ్ అప్లికేషన్స్'పై అధ్యాపకులకు శిక్షణ

టెక్నాలి, మార్చి 17 (ఆంధ్రప్రభ): స్థానిక ఐతమ్ ఇంజనీరింగ్ కళాశాలలో పనిచేస్తున్న అధ్యాపకులకు కళాశాల సివిల్ ఇంజనీరింగ్ విభాగం ఆధ్వర్యంలో 'పైతాన్ ఫర్ ఇంజనీరింగ్ అప్లికేషన్స్' అనే అంశంపై ఈనెల 17 నుండి 21వ తేదీ వరకూ ఆన్లైన్లో జాతీయ స్థాయి ఫ్యాకల్టీ డెవలప్ మెంట్ శిక్షణ ఛాన్సున్నట్లు కళాశాల డైరెక్టర్ విని నాగేశ్వరరావు తెలిపారు. నేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ టెవర్స్ ట్రైనింగ్ అండ్ రీసెర్చ్ (చండీఘర్)కు చెందిన సివిల్ విభాగం సౌజన్యంతో ఎలక్ట్రానిక్స్ అండ్ ఇన్ఫర్మేషన్ అండ్ కమ్యూనికేషన్ టెక్నాలజీ అకాడమీ సహకారంతో నిర్వహించడం జరుగుతుందన్నారు. ఈ శిక్షణా తరగతుల్లో వివిధ యూనివర్సిటీలు, ఇంజనీరింగ్ కళాశాలలకు చెందిన 54 మంది అధ్యాపకులు తమ పేర్లను చేసుకున్నారని తెలిపారు. ఎఫ్ డివి కన్వీనర్ గా అసిస్టెంట్ ప్రొఫెసర్ ఎం. సురేష్, కో-కన్వీనర్లుగా ఆసాసియేట్ ప్రొఫెసర్ జి. గౌరీశంకరరావు, జి. ప్రసన్నకుమార్లు వ్యవహరిస్తారన్నారు. కళాశాల ప్రిన్సిపల్ ఎఎస్ శ్రీనివాసరావు, సివిల్ హెచ్.డి. పి. దినకర్ పర్యవేక్షిస్తున్నట్లు తెలిపారు. కాగా ఇందులో పాల్గొన్నవారికి పార్కిసిపేషన్ నిర్వాహకులు జారీ చేస్తారని, ఈ శిక్షణా కార్యక్రమాన్ని సద్వినియోగం చేసుకోవాలని ఆయన కోరారు.

18/03/2025 | Srikulam | Page : 7
Source : <https://epaper.prabha.com>

GUEST LECTURES ORGANIZED

A guest lecture titled as “Talk on Mind Mapping” delivered by Dr. M. Rama Rao, Professor, HOD, Department of Civil Engineering, Sasi Institute of Technology and Engineering, Tadepalligudem, Andhra Pradesh organized by Department of Civil Engineering, AITAM on 21.04.2025. Dr.Hima Chandan, Assistant Professor acted as Co-ordinator for the session. The session is arranged for the second year B.Tech students and they are benefitted by the important concepts related to mind mapping.



Expert Talk on Mind Mapping by Prof. M. Rama Rao



Expert Prof. M. Rama Rao is felicitated as a token of appreciation from AITAM by Dr.P.Dinakar, HOD, Department of Civil Engineering

FACULTY NPTEL CERTIFICATIONS

S.No.	Course ID	Course Name	Name
1	noc25_ce35	Introduction to Civil Engineering Profession	Dr.G.Prasanna Kumar
2	noc25_ce35	Introduction to Civil Engineering Profession	Dr.V.Sowjanya Vani
3	noc25_mg18	Design Thinking- A Primer	V.Divyasri
4	noc25_ce35	Introduction to Civil Engineering Profession	M.Sai Babu
5	noc25_ce41	Modern Construction Materials	Dr.V.Sowjanya Vani
6	noc25_ce10	Concrete Technology	R.Chandra Sekhar
7	noc25_ce47	Remote Sensing Essentials	Dr.Sanjay Kumar Ray
8	noc25_ce66	Environmental Fluid Mechanics	Dr.Hima Chandan

STUDENT NPTEL CERTIFICATIONS

S.No.	Course ID	Course Name	Name
1	noc25_ce35	Introduction to Civil Engineering Profession	B.Sai Manikanta
2	noc25_ce35	Introduction to Civil Engineering Profession	B.Ravi Teja
3	noc25_ce35	Introduction to Civil Engineering Profession	Dharani
4	noc25_ce35	Introduction to Civil Engineering Profession	Ch. Kanchana
5	noc25_ce35	Introduction to Civil Engineering Profession	Narthu Gayathri
6	noc25_ce35	Introduction to Civil Engineering Profession	Jami Kavya
7	noc25_ce35	Introduction to Civil Engineering Profession	Baratam Charulatha
8	noc25_ce35	Introduction to Civil Engineering Profession	Sharif Mansuri
9	noc25_ce35	Introduction to Civil Engineering Profession	Sikendra Sada
10	noc25_ce35	Introduction to Civil Engineering Profession	Yalala Devisri Vinayaki
11	noc25_ce35	Introduction to Civil Engineering Profession	Subhash Chandra Yadav
12	noc25_ce35	Introduction to Civil Engineering Profession	Gopi Avanapu
13	noc25_ce35	Introduction to Civil Engineering Profession	Vorisi Sarath
14	noc25_ce35	Introduction to Civil Engineering Profession	Bablu Nirala
15	noc25_ce35	Introduction to Civil Engineering Profession	Tammineni Rajesh
16	noc25_ce35	Introduction to Civil Engineering Profession	Karri Gayatri
17	noc25_ce35	Introduction to Civil Engineering Profession	Ghanshyam Chaudhary
18	noc25_ce35	Introduction to Civil Engineering Profession	Uppada Ashish
19	noc25_ce35	Introduction to Civil Engineering Profession	Sahukari Akshay
20	noc25_ce20	Expansive Soils	Sari Hemanth Kumar
21	noc25_ce20	Expansive Soils	Panga Malavika
22	noc25_ce20	Expansive Soils	Pindi Pattabhi
23	noc25_ce20	Expansive Soils	Muddada Swetha
24	noc25_ce20	Expansive Soils	Kanugula Srividya
25	noc25_ce20	Expansive Soils	Prithivi Narayan Chaudhary
26	noc25_ce45	Plastic Waste Management	P.Pattabhi
27	noc25_ce45	Plastic Waste Management	S.Akshay
28	noc25_ce45	Plastic Waste Management	Sudip Kumar Sah

Events Organized By Civil Engineering Department, AITAM

S.No.	EVENT	Dates	Faculty coordinators
01	CAD WAR	01.04.2025	Dr.D.Hima Chandan



Participants executing the drawings of buildings using AUTO CAD for CAD WAR event



Participants, student and faculty coordinators along with Head of the Department, Civil Engg., of CAD WAR event



Winners and Runners Prize distribution by Dr.A.S.Srinivasa Rao, Principal, AITAM

CAD WAR, an Ultimate AUTOCAD event is organized by Department of Civil Engineering in collaboration with SAC (Student Activity Center) with 40 registered participants.

Dr.Hima Chandan, Assistant Professor acted as coordinator of the entire event and all the participants had utilized the opportunity to expose their drawing skills using AUTO CAD.

FACULTY ACHIEVEMENTS

- Dr.V.Sowjanya Vani, Associate Professor, has secured a **SILVER** medal in NPTEL Online Certification course (8 weeks) “Introduction to Civil Engineering Profession” conducted by IIT Madras in Jan-Apr 2025.
- Dr.V.Sowjanya Vani, Associate Professor has been appointed as a **Member, BOS (Board of Studies)**, Department of Civil Engineering, JNTU- GV, 2025-26.
- Dr. Sanjay Kumar Ray, Assistant Professor has been appointed as a **Reviewer** for three SCI Journals such as Modelling Earth Systems and Environment, Natural Hazard and Applied Spatial Analysis and Policy.
- Dr. Sanjay Kumar Ray, Assistant Professor has been appointed as a **Reviewer** for Environmental Research and Technology, a SCOPUS Journal.
- Dr. Sanjay Kumar Ray, Assistant Professor has been appointed as a **Onboarding Mentor** for IFERP Mentorship in the field of Application of RS & GIS in Water Resources.
- Dr. V.Sowjanya Vani, Associate Professor has been appointed as an **Editorial Board member and Reviewer** for SJ054 - Journal of Concrete Technology and Materials, a SCIENXT Journal.
- Sri R.Chandra Sekhar, Assistant Professor, has secured a **TOPPER** position in Top 5 % in the course titled as “Concrete Technology”, a NPTEL Online Certification course conducted by IIT Madras in Jan-Apr 2025.
- Dr.V,Sowjanya Vani, Associate Professor, has received **NPTEL STAR AWARD** and recognised as a **MOTIVATED LEARNER** as well as **DOMAIN SCHOLAR** in Jan-Apr 2025.
- R.Chandra Sekhar, Assistant Professor, has received **NPTEL STAR AWARD** and recognised as a **MOTIVATED LEARNER** in Jan-Apr 2025 by IIT Madras.
- Dr.G.Prasanna Kumar, Assistant Professor, has received **NPTEL STAR AWARD** and recognised as a **MOTIVATED LEARNER** as well as **TOP PERFORMING MENTOR** in Jan-Apr 2025 by IIT Madras.

STUDENT ACHIEVEMENTS

- B.Ravi Teja has secured a **TOPPER** position in Top 1 % in the course titled as “Introduction to Civil Engineering Profession”, a NPTEL Online Certification course conducted by IIT Madras in Jan-Apr 2025.
- Ch. Kanchana has secured a **TOPPER** position in Top 5 % in the course titled as “Introduction to Civil Engineering Profession”, a NPTEL Online Certification course conducted by IIT Madras in Jan-Apr 2025.
- B. Sai Manikanta has secured a **SILVER** medal in the course titled as “Introduction to Civil Engineering Profession”, a NPTEL Online Certification course conducted by IIT Madras in Jan-Apr 2025.

PROFESSIONAL ACTIVITIES**NSS ACTIVITIES**

S.No.	Date	Programme	No. of Participations
			Students/Faculty
1	12-01-2025	Birthday of Swamy Vivekananda	47/15
2	25-01-2025	National Voters Day	120/35
3	26-01-2025	Republic Day Celebrations	120/50
4	09-02-2025	Swachch Andhra Programme at Chakipalli	40/10
5	28-02-2025	Awareness Program on Fire & Safety	195/05
6	08-03-2025	Women's Day Celebrations at AITAM Campus	40/30
7	12-03-2025	Education Tour to Vaidika Gram – Kurma, Srikakulam Dist.	120/10
8	15-03-2025	Swachch Andhra Programme (every 3 rd Saturday)	40/10

Program: 01**Activity Name:** Birthday of Swamy Vivekananda**Dt:** 12-01-2025**Brief Report:**

The celebration commenced with the garlanding of the statue of Swami Vivekananda by the Director of AITAM, Prof. V.V.Nageswara Rao. The Director, Principal Dr. A.S.Srinivasa Rao, HOD's along with the NSS volunteers, paid homage to the great leader, highlighting his message of self-realization, service to humanity, and the importance of education. NSS volunteers actively participated in the event, with many of them offering flowers to the portrait of Swami Vivekananda, demonstrating their reverence and commitment to the values he upheld. The Director addressed the students, urging them to follow the teachings of Swami Vivekananda and to adopt a path of discipline, hard work, and service to society. He emphasized the importance of self-reliance and the pursuit of knowledge in shaping a better future for both individuals and the nation.

No. of Volunteers Participated: 47

No. of Faculty Participated: 15



Program: 02

Activity Name: National Voters Day

Dt: 25-01-2025

Brief Report:

On the occasion of National Voters Day, the AITAM NSS Unit organized an event to raise awareness about the significance of voting and encourage citizens, particularly the youth, to actively participate in the electoral process. The event was conducted with great enthusiasm and saw the participation of students, faculty, and dignitaries from the local administration. The chief guest for the event was Sri M. Krishna Murthy, the Revenue Divisional Officer (RDO), who graced the occasion and addressed the gathering. In his speech, Sri Murthy emphasized the importance of voting as a fundamental right and responsibility of every citizen, highlighting the role that young voters play in shaping the future of the nation. He encouraged the students to make their voices heard by voting and to spread awareness about the significance of a fair and transparent electoral process. Sri M. Krishna Murthy distributed certificates to the winners, applauding their enthusiasm and contributions to the cause. The ceremony concluded with a pledge, where all participants committed to exercising their voting rights and inspiring others to do the same.

This event marked a successful and impactful celebration of National Voters Day, promoting democratic values and fostering civic responsibility among the student community at AITAM. In this event Principal Dr. A.S. Srinivasa Rao, all Departmental HODs, NSS PO S.V.Maruti Prasad, NSS Volunteers, Students from various departments were participated.

No. of Volunteers Participated:120

No. of Faculty Participated: 35



టెక్కులి: ఐతం కళాశాలలో విజేతలకు
ప్రశంసాపత్రాలు అందజేస్తున్న ఆర్డీవో కృష్ణమూర్తి

Program: 03

Activity Name: Republic Day Celebrations

Dt: 26-01-2025

Brief Report:

The Republic Day celebrations at AITAM were conducted with great patriotism and enthusiasm by the NSS and NCC Units. The event was a tribute to the nation and a celebration of the adoption of the Indian Constitution, emphasizing the spirit of unity, freedom, and democratic values. The celebrations were graced by the Honourable Chairman of AITAM, who was the Chief Guest for the occasion. His address to the gathering inspired students to uphold the values enshrined in the Constitution and to actively contribute to the progress and development of the country. The Chairman highlighted the significance of Republic Day in India's history and called upon the students to remain committed to national pride, integrity, and service. The event began with the flag hoisting ceremony, followed by the national anthem sung by the attendees, instilling a deep sense of pride and unity. The students from both NSS and NCC performed various cultural activities, including patriotic songs, dances, and speeches, celebrating the rich heritage and diversity of India.

As part of the celebrations, the NCC cadets showcased their discipline and commitment with a spectacular parade, further emphasizing the values of hard work, dedication, and patriotism. The atmosphere was filled with enthusiasm as the students and staff united in honor of India's Republic Day. In this event Director Prof. V.V.Nageswara Rao, Principal Dr. A.S. Srinivasa Rao, all Heads of the Departments, NSS PO S.V.Maruti Prasad, NSS Volunteers, Students from various departments were participated.

No. of Volunteers Participated: 120

No. of Faculty Participated: 50



Program: 04

Activity Name: Swachh Andhra Programme at Chakipalli

Dt: 3rd Saturday of February, 2025 (09-02-2025)

Brief Report:

The Swachh Andhra 3rd Saturday Programme was successfully conducted by the AITAM National Service Scheme (NSS) Unit on the 3rd Saturday of February 2025, in line with the Government of Andhra Pradesh's initiative to promote cleanliness and hygiene across the state. This event focused on raising awareness among villagers about waste segregation and the importance of maintaining a clean and healthy environment.

Key Activities:

Door-to-Door Awareness Campaign:

NSS volunteers from AITAM embarked on an intensive door-to-door campaign to educate the villagers about effective waste management. The primary focus was on the segregation of waste into three categories:

- **Dry Waste:** The volunteers explained the types of dry waste, including plastic, paper, glass, and metal, and how these materials should be disposed of separately from wet waste.
- **Wet Waste:** Volunteers provided information on biodegradable materials such as food scraps, garden waste, and organic matter, emphasizing the importance of composting and proper disposal to prevent environmental degradation.
- **Household Hazardous Waste:** Special attention was given to the handling and disposal of hazardous household waste like batteries, chemicals, and e-waste. The villagers were informed about the dangers these materials pose to health and the environment when disposed of improperly.

The Swachh Andhra 3rd Saturday Programme organized by the AITAM NSS Unit was a significant step toward creating a cleaner and more sustainable environment in rural Andhra Pradesh. By educating the villagers on the importance of segregating dry, wet, and hazardous waste, the programme has contributed to the Government of Andhra Pradesh's broader goal of maintaining cleanliness across the state. The positive response from the community reflects the program's success and its potential for long-term impact on waste management practices.

No. of Volunteers Participated: 40

No. of Faculty participated : 10



విశాఖాంధ్ర

చుట్టూరము వృత్తికా అధ్యయనము ఆలవారు.

చుట్టూరము ఎన్ఎస్ఎస్ విద్యార్థులు ప్రచారం



విశాఖాంధ్ర - విశాఖ : ఆదిత్య ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ మేనేజ్మెంట్ ఇంజనీరింగ్ కళాశాలకు చెందిన ఎన్ఎస్ఎస్ విద్యార్థులు స్థానిక కె.కొత్తూరు గ్రామ ప్రజలకు పరిశుభ్రత-పారిశుధ్యంపై శనివారం అవగాహన కల్పించారని కళాశాల డైరెక్టర్ ప్రొఫెసర్ వి.వి.నాగేశ్వరరావు ఒక ప్రకటనలో తెలిపారు. రాష్ట్ర ప్రభుత్వ అమలు చేస్తున్న స్వచ్ఛత ఆంధ్రా కార్యక్రమంలో భాగంగా తడిచెత్త, పొడిచెత్త వేరు చేయుట వల్ల కలిగే ప్రయోజనాలపై ఇంటింటి ప్రచారం చేశారు. ప్రిన్సిపాల్ డాక్టర్ ఎ.ఎస్.శ్రీనివాసరావుల ఆదేశం మేరకు నిర్వహించిన ఈ కార్యక్రమంలో ఎన్ఎస్ఎస్ పిఓ ఎస్.వి. మారుతీ ప్రసాద్, అధ్యాపకులు కె.పి.ఎస్.సూర్య నారాయణ, శాక్ ఇన్చార్జ్ జె.సురేష్ కుమార్, చిరంజీవి, విద్యార్థులు పాల్గొన్నారు.

Date: 16/02/2025, Edition: 100(Srikakulam), Page: 2
Source : <https://epaper.visalaandhra.com/>



చాకిపల్లిలో 'స్వచ్ఛత-స్వచ్ఛ దివస్'

(సిక్స్ టు టు, విశాఖ)

ఆంధ్రప్రదేశ్ ప్రభుత్వం ఎంతో ప్రతిష్టాత్మకంగా చేపడుతున్న స్వచ్ఛ ఆంధ్ర - స్వచ్ఛ దివస్ కార్యక్రమంలో భాగంగా శనివారం కె కొత్తూరు ఆదిత్య ఇంజనీరింగ్ కళాశాల యన్.యస్.యస్. విభాగానికి చెందిన విద్యార్థులు విశాఖ మండలం చాకిపల్లి గ్రామం లో గడప గడపకు వెళ్లి తడిచెత్త పొడిచెత్త యొక్క ప్రాధాన్యతను వివరిస్తూ.. మన పరిసరాన్ని మనమే పరిశుభ్రం గా ఉంచుకోవాలని యన్.యస్.యస్ పి.ఓ యన్.వి మారుతి ప్రసాద్ ఆధ్వర్యం లో అవగాహన కలిగించారు. ఈ కార్యక్రమం లో అధ్యాపకులు కె.పి.యస్ సూర్యనారాయణ, జె సురేష్, చిరంజీవి పాల్గొన్నారు.

Program: 05

Activity Name: Awareness Program on Fire & Safety

Dt: 28-02-2025

Brief Report:

The AITAM NSS Unit organized an informative and practical Awareness Program on Fire & Safety for the students of the Mechanical and EEE (Electrical and Electronics Engineering) departments. The primary objective of the program was to raise awareness about fire safety measures and equip students with the knowledge to handle fire-related emergencies effectively. The training session was conducted by Sri G. Bhaskara Rao, an expert from the Sunrise Institute of Fire & Safety, Visakhapatnam. With his vast experience in the field of fire safety, Sri Bhaskara Rao shared valuable insights on fire prevention, the types of fires, fire extinguishing techniques, and safety protocols to follow in case of a fire emergency. The highlight of the session was the live demonstration of fire safety equipment, where students were given hands-on experience with fire extinguishers and other firefighting tools. They also practiced emergency response techniques, which helped them understand the importance of quick and safe actions during fire incidents. The AITAM NSS Unit expressed its gratitude to Sri G. Bhaskara Rao for his expert guidance and for making the program informative and engaging. In this event, Director Prof. V.V.Nageswara Rao, Principal, Dr. A.S.Srinivasa Rao, NSS PO, S.V.Maruti Prasad, NSS Coordinators, NSS Volunteers, Students were participated.

No. of NSS Volunteers Participated : 60

No. of students participated : 135

No. of Faculty participated : 05



Program: 06**Activity Name:** Women's Day Celebrations at AITAM Campus**Dt:** 08-03-2025**Brief Report:**

The program commenced at 10:00 AM with an invocation song by NSS volunteers, followed by the lighting of the ceremonial lamp by the Chief Guest, faculty members, and student representatives. Several esteemed women faculty members and alumni were honored for their contributions to education, research, and community service. Women faculty showcased energetic dance performances and skits themed on women empowerment and social awareness. The management took the initiative to felicitate women faculty, non-teaching staff, and support staff of AITAM as a token of appreciation for their hard work and dedication. The event concluded with a vote of thanks by the NSS Program Officer, who expressed gratitude to the management, faculty, volunteers, and participants for making the event a grand success. In this Programme, Chairman Dr. K.Someswara Rao, Director Prof. V.V.Nageswara Rao Sir, Principal Dr. A.S.Srinivasa Rao, Treasurer Sri T.Nagaraju, Women Faculty members, NSS PO participated.

No. of Volunteers participated :40 (Female)

No. of Faulty Participated :30 (Women)



Program: 07

Activity Name: Education Tour to Vaidika Gram – Kurma, Srikakulam Dist.

Dt: 12-03-2025

Brief Report:

The NSS Unit of Aditya Institute of Technology and Management (AITAM) organized an educational and cultural exposure tour to Vaidika Gram (Kurma Village) in Srikakulam District on 12th March 2025. The visit was part of the NSS initiative to connect students with rural heritage, traditional wisdom, and sustainable living practices. The main objective of this tour is to understand the concept and functioning of a Vaidika Gram (Vedic Village), to learn about traditional Indian lifestyles based on Vedic principles, to observe and interact with local communities practicing sustainable living, to promote rural engagement and social responsibility among students. Kurma Village, also known as Vaidika Gram, is a model village dedicated to preserving Vedic culture, traditional Indian knowledge systems, and eco-friendly practices. It integrates agriculture, spirituality, education, and sustainable technologies, making it a living example of holistic rural development.

Activities and Highlights of the Tour:

- **Guided Tour:** Students were taken on a guided walk around the village, exploring traditional homes, organic farms, and sacred spaces.
- **Vedic Sessions:** Scholars from the village gave short talks on Vedic education, Ayurvedic health practices, and the importance of dharmic living.
- **Cultural Interaction:** Students had the opportunity to interact with local children and elders, exchanging ideas about education and lifestyle.
- **Community Service:** As part of the NSS motto “Not Me, But You,” students participated in village clean-up drives and tree plantation.
- **Reflection Session:** At the end of the day, students shared their learnings and experiences in an open group discussion.

No. of Volunteers participated : 120

No. of Faculty Participated : 10



Programme: 08

Activity Name: Swachch Andhra Programme (every 3rd Saturday)

Dt: 15-03-2025

Brief Report:

On the 3rd Saturday of March 2025, the Unnat Bharat Abhiyan in collaboration with AITAM NSS Unit and the Student Activity Centre, organized an event titled "Swachch Andhra: Avoid Single Use Plastics - Promote Reusables." This event was part of the state-wide initiative launched by the Government of Andhra Pradesh aimed at promoting environmental sustainability and reducing plastic waste. The primary objective was to raise awareness among the public, students, and local communities about the detrimental effects of single-use plastics and to encourage the adoption of reusable alternatives.

Key Activities:

Door-to-Door Awareness Campaign:

Awareness Campaign: The day was marked by an awareness campaign led by students and volunteers. The participants actively engaged with the local community, showcasing the harmful effects of single-use plastics, and educating people about the benefits of using sustainable, reusable alternatives.

One of our college Environmental faculty Sri I. Sudhakar Rao was invited to conduct interactive sessions. The sessions covered topics like:

- The environmental impact of single-use plastics on land and marine ecosystems.
- The importance of reducing plastic waste in everyday life.
- Practical tips on replacing plastics with reusable products such as cloth bags, stainless steel bottles, and bamboo straws.

The "Swachch Andhra: Avoid Single Use Plastics - Promote Reusables" event successfully achieved its goal of spreading awareness about the harmful effects of plastic pollution and promoting eco-friendly practices. The collective effort of the Unnat Bharat Abhiyan, AITAM NSS Unit and the Student Activity Centre, along with the support of the Government of Andhra Pradesh, was instrumental in ensuring the success of the event. This initiative will continue to inspire communities to take actionable steps toward a cleaner, greener environment.

No. of Volunteers Participated: 40

No. of Faculty participated :10



శనివారం 15, మార్చి 2025

కాణుసుల కొత్తూరులో స్వచ్ఛ ఆంధ్ర కార్యక్రమం (సత్యంస్మాన్, శ్రీకాకుళం)

ప్రభుత్వం ఎంతో ప్రతిష్టాత్మకంగా ప్రతినెల 3వ శనివారం చేపడుతున్న స్వచ్ఛ ఆంధ్ర కార్యక్రమంలో భాగంగా శనివారం ఆదిత్య ఇంజనీరింగ్ కాలేజీ ఎస్.ఎస్.ఎస్, ఉన్నత భారత అభియాన్, యస్.ఎ.సి ఆధ్వర్యంలో విద్యార్థులు, అధ్యాపకులు గడపగడపకు వెళ్లి ప్లాస్టిక్ వ్యర్థాల హాని గురించి అవగాహన పెంచే ప్రచార ర్యాలీ నిర్వహించారు. ప్లాస్టిక్ ఉపయోగాన్ని తగ్గించి, పునర్వినియోగపరిచే విధంగా ఉండే వస్తువులను ప్రోత్సహించేలా గ్రామ ప్రజలకు సూచనలు అందించారు. ముఖ్యంగా కాగితపు సంచులు, జూట్ బ్యాగులు, స్టీల్, కాంపోస్టబుల్ వస్తువులను ఉపయోగించాలనే సందేశాన్ని ప్రచారం చేశారు. మన పరిసరాలను మనమే పరిశుభ్రంగా ఉంచుకోవాలని తెలియజేశారు. ఈ కార్యక్రమంలో ఎస్.వి మారుతి ప్రసాద్, గోపాలకృష్ణ, సురేష్, సుధాకరరావు లు పాల్గొన్నారు,



కాణుసుల కొత్తూరులో స్వచ్ఛ ఆంధ్ర

జన ప్రతిధ్వని / టెక్నాలజీ

ఆంధ్రప్రదేశ్ ప్రభుత్వం ఎంతో ప్రతిష్టాత్మకంగా ప్రతినెల 3వ శనివారం చేపడుతున్న స్వచ్ఛ ఆంధ్ర కార్యక్రమం లో భాగంగా శనివారం ఆదిత్య ఇంజనీరింగ్ కాలేజీ



ఎస్.ఎస్.ఎస్, ఉన్నత భారత అభియాన్, యస్.ఎ.సి ఆధ్వర్యంలో విద్యార్థులు, అధ్యాపకులు గడపగడపకు వెళ్లి ప్లాస్టిక్ వ్యర్థాల హాని గురించి అవగాహన పెంచే ప్రచార ర్యాలీ నిర్వహించారు. ప్లాస్టిక్ ఉపయోగాన్ని తగ్గించి, పునర్వినియోగపరచదగిన వస్తువులను ప్రోత్సహించేలా గ్రామ ప్రజలకు సూచనలు అందించారు. ముఖ్యంగా కాగితపు సంచులు, జూట్ బ్యాగులు, స్టీల్, కాంపోస్టబుల్ వస్తువులను ఉపయోగించాలనే సందేశాన్ని ప్రచారం చేశారు. మన పరిసరాలను మనమే పరిశుభ్రంగా ఉంచుకోవాలని తెలియజేశారు. ఈ కార్యక్రమంలో ఎస్.వి మారుతి ప్రసాద్, గోపాలకృష్ణ, సురేష్ మరియు సుధాకర రావు లు పాల్గొన్నారు.



ADITYA

Institute of Technology and Management
(An Autonomous Institution)

Tekkali-532 201, Srikakulam Dist., AP
Tel: 0845-245666, 245266, 92466 57908
Email: info@adityatekkali.edu.in