

Guest Lecture conducted - Consolidate Report (Academic Year 2021-22)

S. No	Department	Title of the Event	Date	Resource person with Designation	Number of students attended
1.	Civil Engineering	Smart cities and retrofitting of existing structures against natural hazards	28-12-2021	Dr. S. Rama Krishna Reddy, Professor, GEC, Gudlavalleru	100
2.		Mechanics of Earthquake and Tsunamis and their effects on Structures	28-12-2021	Dr. S. Rama Krishna Reddy, Professor, GEC, Gudlavalleru	100
3.		Analysis and design aspects of structural elements	21-03-2022	Dr. M. Sri Rama Chand, Associate Professor & HOD, SCCE, Karimnagar	70
4.		Development of Nano ceramic and Thin Films for Electronic Applications	11-04-2022	Dr. D. Pamu, Professor, IIT Guwahati	52
5.	Electrical and Electronics Engineering	Role of Power Grid in Indian Power system	10-11-21	Mr. Y.V.M.S Prakash, Chief manager, Power Grid corporation of India Limited, Vemagiri (TLM)	111
6.		The Importance of Technical Paper Writing Under Research Methodology	29-03-22	Dr. G. V. E. Satish Kumar, Head of the Department, Gayatri Vidya Parishad College of Engineering (Autonomous) Visakhapatnam, Andhra Pradesh, India	106
7.		Control Techniques In Power Electronic Systems	17-03-22	Dr. G. V. E. Satish Kumar, Head of the Department, Gayatri Vidya Parishad College of Engineering (Autonomous) Visakhapatnam, Andhra Pradesh, India	115
8.		Load Dispatch, Transmission line construction and maintenance.	21-02-22	Mr. T. Sreemannarayana Murthy, Executive Engineer, AP Load Dispatch, Vijayawada	101

S. No	Department	Title of the Event	Date	Resource person with Designation	Number of students attended
9.	Mechanical Engineering	GATE orientation program	04-01-2022	Mr. A. Sandeep, GATE Trainer, AIR – 192, AEC academy.	92
10.		Additive Manufacturing	08-04-2022	Dr. Baburao Tella, Assistant Professor, Mechanical Engineering, NIT Andhra Pradesh.	88
11.		Applications of control systems in Aircrafts	02-05-2022	Mr. D. Krishna Mohan, Director at MOOG India Technology center. Bangalore.	95
12.		Hydrogen in Automobiles Electric & Hybrid vehicles and Fuel cell	16-05-2022	Dr. P. Karthikeyan, Professor, Mechanical Engineering, PSG College of Technology.	89
13.	Electronics and Communication Engineering	Demystifying 5G	06-11-2021	Mr. Ratnakar Rayavarapu, Senior Director, Samsung R&D, Bangalore, India	53
14.		Applications of control systems in aircrafts	02-05-2022	Mr. D Krishna Mohan, Director, Moog India PVT. Ltd.	64
15.		Nano Technology	20-12-2021	Dr. Rajendra Prasad M B, Associate Professor in Physics National Defence Academy, Khadakwasla, Pune	53
16.		Scope and opportunities in VLSI design	19-03-2022	Mr. V V D Siva Sai Ravi Teja Analog lay out Engineer, Texas Instruments, Bengaluru.	53
17.		Spectrum Management and Preparation Strategy for GATE, IES and Core Jobs	29-10-2021	Mr. G K Reddy, Senior Director, Samsung R&D, Bangalore, India	42

S. No	Department	Title of the Event	Date	Resource person with Designation	Number of students attended
18.	Computer Science and Engineering	AWS Technical Essentials	12-03-2022	Mr.Srikanth Goli, Associate Cloud Systems Administrator, Andhra Pradesh State Skill Development Corporation (APSSDC), Guntur	180
19.		Cyber Security Trends-2021	15-12-2021	Mr.Navaneetharangan Chakravarthy, Vice President, JP Morgan, Bangalore.	214
20.		EDA and Data Visualization	19-03-2022	Dr.N.S.Usha, Associate Professor, Department of CSE, Sathyabama Institute of Science and Technology Chennai, Tamil Nadu	189
21.		Search Engine Optimization	07-05-2022	Srinivas Rao K Head of IT & InfoSec, Oasis Investment Company (Al Shirawi Group), Dubai, UAE.	190
22.	Information Technology	AWS Technical Essentials	12-03-2022	Mr. Srikanth Goli, Associate Cloud Systems Administrator, Andhra Pradesh State Skill Development Corporation (APSSDC), Guntur	51
23.		Cyber Security Trends-2021	15-12-2021	Mr.Navaneetharangan Chakravarthy, Vice President,	70
24.		Search Engine Optimization	07-05-2022	Mr. Srinivas Rao K, Head of IT & InfoSec, Oasis Investment Company (Al Shirawi Group), Dubai, UAE.	70
25.	Agriculture Engineering	Entrepreneurship Development through Horticultural Crops	28-03-2022	Er. P.C. Vengaiyah (Principal Scientist & Head), Dr.Y.S.R Horticultural Research Station	53, II Year 37, III Year 41, IV Year
26.		A Guest lecture on Micro-Irrigation Technologies	26-04-2022	Dr. Vinay Kumar Gautam, Research Associate, Department of Soil and Water Engineering, CTAE, MPUAT, Udaipur, Rajasthan	52

S. No	Department	Title of the Event	Date	Resource person with Designation	Number of students attended
27.	Petroleum Technology	Overview of Oil and Gas Refinery	10-03-2022	Mr. Chiranjeevulu.S & Chief Manager (QC, R&D), ONGC	52
28.		Exploration and Production Overview with focus on Well Logging and job opportunities	25-03-2022	Mr.S.L.N.Rao & Petrophysics Consultant (Manan Oil Field Services)	52
29.		Overview of Exploration and exploitation of oil and gas reserves	08-04-2022	Mr. P.R.Bhavana & GM, Head Forward Base, Retd. ONGC.	32
30.		Overview of Important Unit Operations in Petroleum and Petrochemical Industries	11-04-2022	Dr. B.Sarvarao, HOD, Dept. of Chemical Engineering	42
31.	Mining Engineering	Risk Assessment of an underground coal mine in context of strata control	16-12-2021	Dr. A Charan, Assistant Professor, Mining Department, GIET College, Rajahmundry	42
32.		Detection of Underground Mine Gases	28-04-2022	Mr. L Shiva Babu GM Mines, (APMDC) Mangampeta Project Andhra Pradesh	58
33.		Land Reclamation, Land use Planning and Mine Closure Planning in Indian Context	26-03-2022	Dr. Debi Prasad Tripathy, Professor, NIT Rourkela, Mining Department	54
34.		Developing Ventilation System in Mines, Which is Situated in Hot & Humid Conditions	25-03-2022	Mr. V. Srikanth, Managing Director, Uttam Blast Tech	52
35.		Monitoring of Slopes in Opencast Mines	08-04-2022	Dr. B.K. Mishra, Professor, HoD, AKS University, Satna, M.P.	44
36.	Humanities and Basic Sciences	English for Elegance and Excellence	04.12.2021	Mr. K.Durga Rao, Asst Professor, BVC Institute Of Engineering and Technology, Batlapalem	120
37.		Applications of fractional order differential equations	27.12.2021	Dr. G.V.S.R Deekshitulu, Professor JNTUK Kakinada	132

S. No	Department	Title of the Event	Date	Resource person with Designation	Number of students attended
38.	Humanities and Basic Sciences	Applications of rare earth Glasses in solid state display devices	06.01.2021	Mr. D. Krishna Rao, Professor, Nagarjuna University Guntur	109
39.		English for Engineers: Life Skills through Language Skills	29.01.2021	Dr. M. Srilakshmi, Professor of English, MIC Engineering College, Vijayawada	125
40.		Synthesis of Nano materials	23.02.2022	Dr. S. V. G. V. A. Prasad PR College Kakinada	85
41.		Advanced Mathematics, Informatics and Statistics equations-	05.03.2022	Dr. V. Ravindranath JNTUK Kakinada	127
42.		English Proficiency in Engineering: Language Skills to Life Skills	23.04.2022	Mr. N. Pavan Kumar, Assistant Professor of English, SRKR Engineering College (A), China Amiram, Bhimavaram.	115
43.		Plasma synthesis of Advanced Nanomaterial's: Beginners to the Experts	19.05.2022	Dr. K. J. Sankaran (Senior Scientist)	150
44.		"CVD grown Diamond Thin Films": Beginners to the Experts	20.05.2022	Dr. K. J. Sankaran (Senior Scientist)	90
45.		Enhancing English Efficiency in Engineering Students	18.06.2022	Dr. K.Chakrapaani, Associate Professor of English, Pragati Engineering College, Surampalem	93


 Convener
 Academic Committee


 Principal

PRINCIPAL
 SIDDHANTA ENGINEERING COLLEGE
 SURAMPALEM - 533 437

Guest Lectures
(Sample Documents)



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Electrical and Electronics Engineering

Date: 13.11.2021

Report of One day Guest Lecture on "Role of Power Grid in Indian Power System."

Title: Role of Power Grid in Indian Power system

Introduction to Event:

A One day Guest Lecture on "Role of Power Grid in Indian Power system" was conducted at Aditya Engineering College (A), Surampalem by the department of Electrical and Electronics Engineering to make the students learn that an electrical grid is a complex power generation, transmission, and distribution network and how Grid operators monitor the power grid, signaling to power plants when more power is needed and maintaining the power grid's electrical flow to the transmission lines and distribution network. Keeping this in mind, the department has organized this Guest lecture to benefit the students.

Event Dates: 10-11-2021

Number of Days: One day

Co-ordinator: Mr I Veeranjeyulu , Assoc. Professor, Department of EEE.

Agenda/Event Flow:

Day-1: Role of Power Grid in Indian Power system

No. of Participants: 113

Experts with Designation: Mr. Y.V.M.S Prakash,

Chief manager,

Power Grid Corporation of India Limited

Venue: KL Rao Bhavan Seminar Hall (Room No: 101)

Hospitality/Accommodation: Yes

Staffing:

1. B.VeeraNarayana, Assistant Professor

Outcomes:

1. The Students learned how the power grid delivers electricity from power plants to homes and businesses across the nation.
2. They learned how the electrical grid provides us with electrical power on demand.


PRINCIPAL
Aditya Engineering College
SURAMPALAM



Interactive session


Coordinator


Head of the Department

Head of The Department
Dept: Of Electrical & Electronics Engineering
Aditya Engineering College


PRINCIPAL
Aditya Engineering College
SURAMPALAM

Conclusive Remarks:

This one-day programme successfully fulfilled the goal of making students learn the Role of Power Grid in Indian Power system. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of Power systems.

Photos:



Presentation session

S. Lal
PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Mechanical Engineering

Date: 09/04/2022

Report on

A One Day Guest Lecture on "Additive Manufacturing"

Title: Additive Manufacturing

Introduction to Event:

A One Day Guest Lecture on "Additive Manufacturing" was conducted at Aditya Engineering College (A), Surampalem by the department of Mechanical Engineering to make the students learn. This programme offers you a basic understanding of Additive manufacturing (AM) is a latest technology that could improve manufacturing process by building up thin layers of materials from digitized three-dimensional (3D) designs virtually constructed using advanced CAD software. This technique affords the creation of new types of object with unique material properties. But while AM is widely billed as 'the next industrial revolution', in reality there are still significant hurdles for successful commercialisation of the technologies. The objective of this course is a many-objective approach is applied to the Fin model, using the NSGA-II algorithm to optimize four conflicting objective functions regarding the need for support structures, the build time, the surface roughness, and the overall quality of the surface. Common applications include environmental control systems (ECS) ducting, custom cosmetic aircraft interior components, rocket engines components, combustor liners, tooling for composites, oil and fuel tanks and UAV components. 3D printing delivers complex, consolidated parts with high strength. Keeping this in view, the department has organized this programme for the benefit of the students.

Event Dates: 08/04/2022

Number of Days: 1

Co-ordinator: Dr. Mohammed Zubairuddin, Assistant Professor, Department of Mechanical Engineering

PRINCIPAL
Aditya Engineering College
SURAMPALAM

Agenda/Event Flow:

Duration	Session
09:30 AM to 10:20 AM	Inaugural Session
10:20 AM to 10:30 AM	Tea Break
10: 30 AM to 01:00 PM	Introduction of Additive Manufacturing, builds 3D objects, 3D model data
01:00 AM to 02:00 PM	Lunch Break
02:00 PM to 03:00 PM	Adding layer-by-layer of material & Interactive session
03:00 PM to 03:20 PM	Valedictory session
03:20 PM to 03:30 PM	Tea break

No. of Participants: 88

Expert with Designation: Dr. Baburao Tella,
Assistant Professor,
Department of Mechanical Engineering.

Experts' Profile:

Dr. Baburao Tella,

He completed Ph.D. from Indian Institute of Technology Gandhinagar. He was working as an Assistant Professor in Indian Institute of Technology Gandhinagar. His expertise is in 3D printing predictions & Manufacturing concepts. Areas of specialization is manufacturing. He was good knowledge in 3D printing and quality control.


PRINCIPAL
Sri Sathya Engineering College
SURAMPALEM

Venue: K. L. Rao Bhavan Seminar Hall (Room No: 101)

Hospitality/Accommodation: No

Staffing:

1. Mrs V. Pragna, Sr. Assistant Professor.
2. Mr. Rajesh Kumar, Assistant Professor.

Outcomes:

After completion of the programme, students will be able to

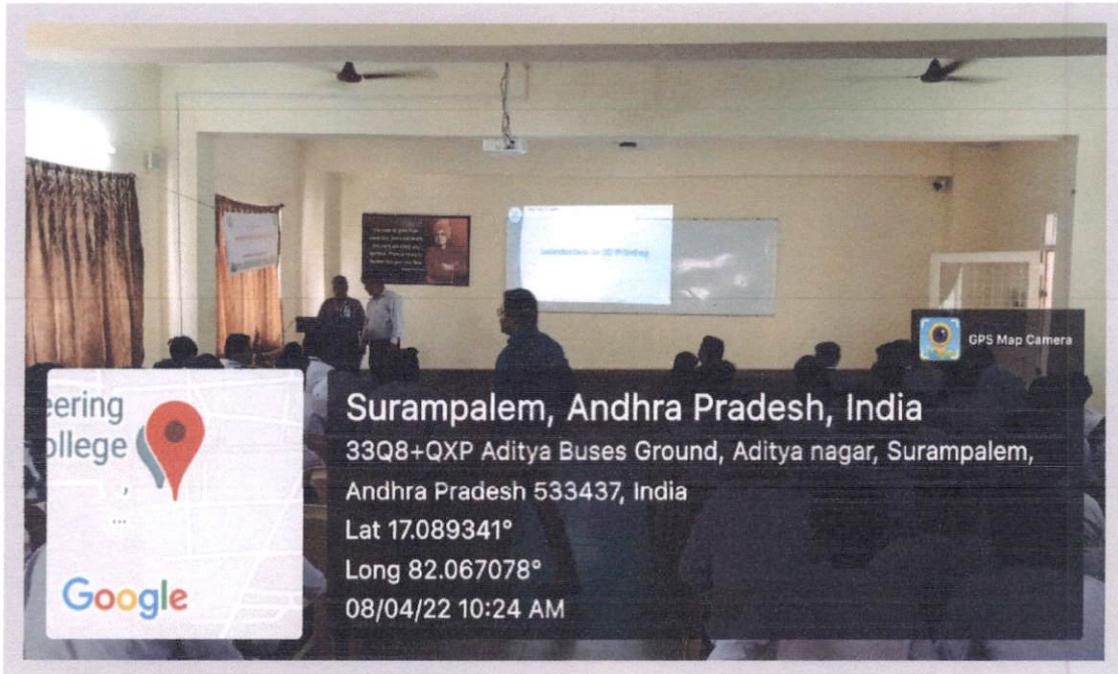
- Demonstrate the knowledge of Additive Manufacturing and Rapid Prototyping technologies.
- Demonstrate a basic technical understanding of the physical principles, materials, and operation of the types of AM processes.
- Demonstrate the ability to identify characteristics of parts that are fabricated by AM processes.

Conclusive Remarks:

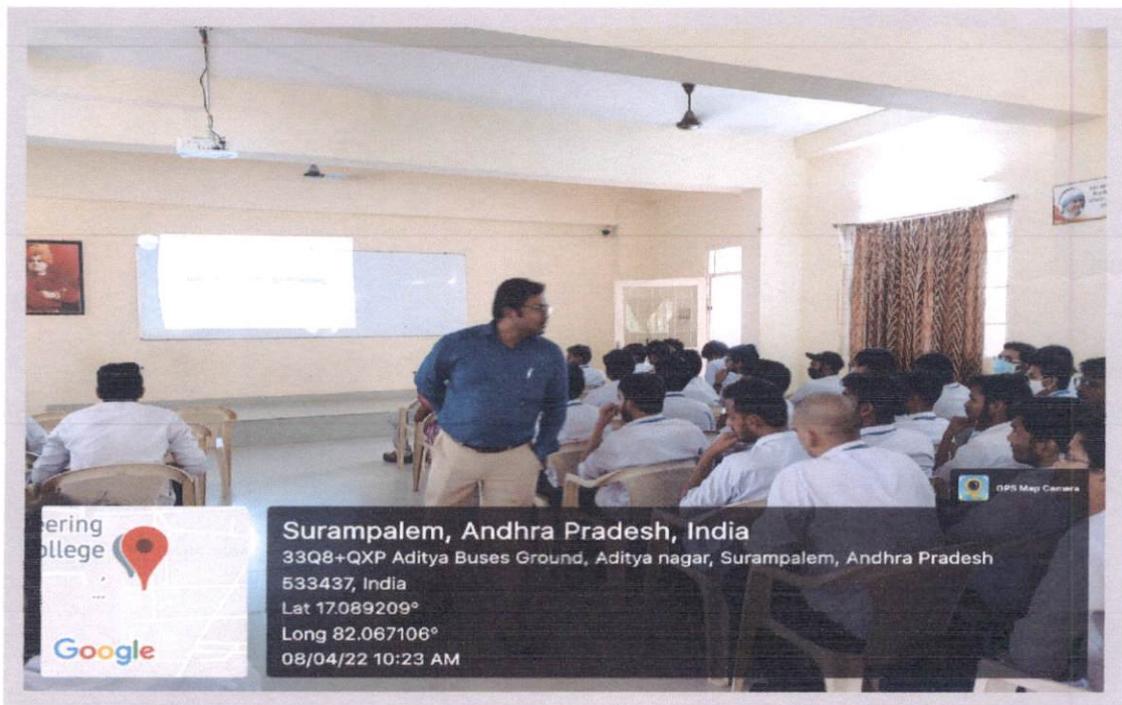
This One-Day programme was conducted successfully fulfilling the goal of making students learn the Additive Manufacturing concepts. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of 3D Printing. This learning experience covered a wide breadth of topics from the key steps involved in the techniques. This Programme showcased a wide variety of examples are transferable to the students.


PRINCIPAL
Citya Engineering College
SURAMPALAM

Photos:

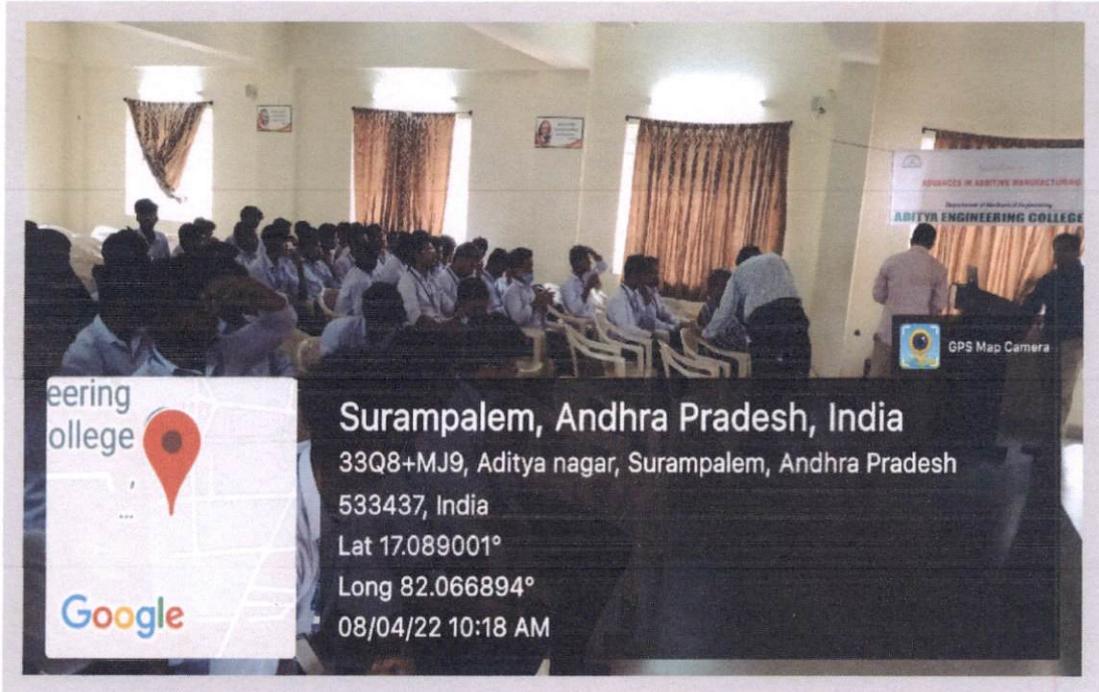


Presentation session



Interactive session

gu
PRINCIPAL
Aditya Engineering College
SURAMPALAM



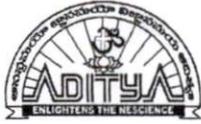
Surampalem, Andhra Pradesh, India
 33Q8+MJ9, Aditya nagar, Surampalem, Andhra Pradesh
 533437, India
 Lat 17.089001°
 Long 82.066894°
 08/04/22 10:18 AM

Valedictory session

[Handwritten Signature]
 Coordinator

[Handwritten Signature]
 Head of the Department
 Head of the Department
 Department of Mechanical Engineering
 Aditya Engineering College (A)
 SURAMPALEM-533 477

[Handwritten Signature]
 PRINCIPAL
 Aditya Engineering College
 SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Electronics and Communication Engineering

Date: 09.11.2021

Report on

Guest Lecture on "Demystifying 5G"

Title: Demystifying 5G

Introduction to Event:

A Guest lecture on " Demystifying 5G" was conducted at Aditya Engineering College (A), Surampalem by the department of ECE to make the students understand the challenges of implementing 5G network. The objective of this programme is to enable the students to get acquainted with recent trends in communication and networking technologies. In telecommunications 5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices. Keeping this in view, the department has organized this programme for the benefit of the students.

Event Dates: 06-11-2021

Number of Days: 1 day

Co-ordinator: Mr. M. Hari Kishore, Asst. Professor, Department of ECE.

Agenda/Event Flow:

DURATION	PROGRAMME
9:30 a.m. – 10:15 a.m.	Inauguration
10:15 a.m. – 10:30a.m.	Tea break
10:30 a.m. – 11:30 a.m.	Introduction to Communication System
11:30 a.m. – 12:30 p.m.	Discussion on GSM Architecture
12:30 p.m. – 1:30 p.m.	Lunch break
1:30 p.m. – 2:30 p.m	Evolution of Wireless technologies
2:30 p.m. – 2:45 p.m.	Tea break
2:45 p.m. – 4:00 p.m.	Challenges of 5G implementation

No. of Participants: 53

S. L. V.
PRINCIPAL
Aditya Engineering College
SURAMPALAM

Experts with Designation: Mr. Ratnakar Rayavarapu,
Senior Director, Samsung R&D,
Bangalore, India.

Experts' Profile:

Ratnakar is Senior Director at Samsung R&D Institute in Bangalore, where he leads the Beyond 5G team. He has over 20 years of experience in telecommunication industry. He specializes in Wireless protocols and played a key role in the launch of Samsung's 5G mmWave and Standalone smartphones in world-wide markets. He is a Senior Member, IEEE and has 25+ International patent grants. His current areas of interest include AI-in-Wireless and Next generation communication systems. Ratnakar holds a Master's degree in Telecommunication Systems Engineering from IIT, Kharagpur. He is a TEDx speaker and has delivered several invited talks and podcasts on technological advances.

Venue: Cotton Bhavan Seminar Hall (Room No: 208)

Hospitality/Accommodation: No

Staffing:

1. Ms.B.Satya Sridevi, Assoc. Professor
2. Ms.G.Pushpanjali, Asst. Professor

Outcomes:

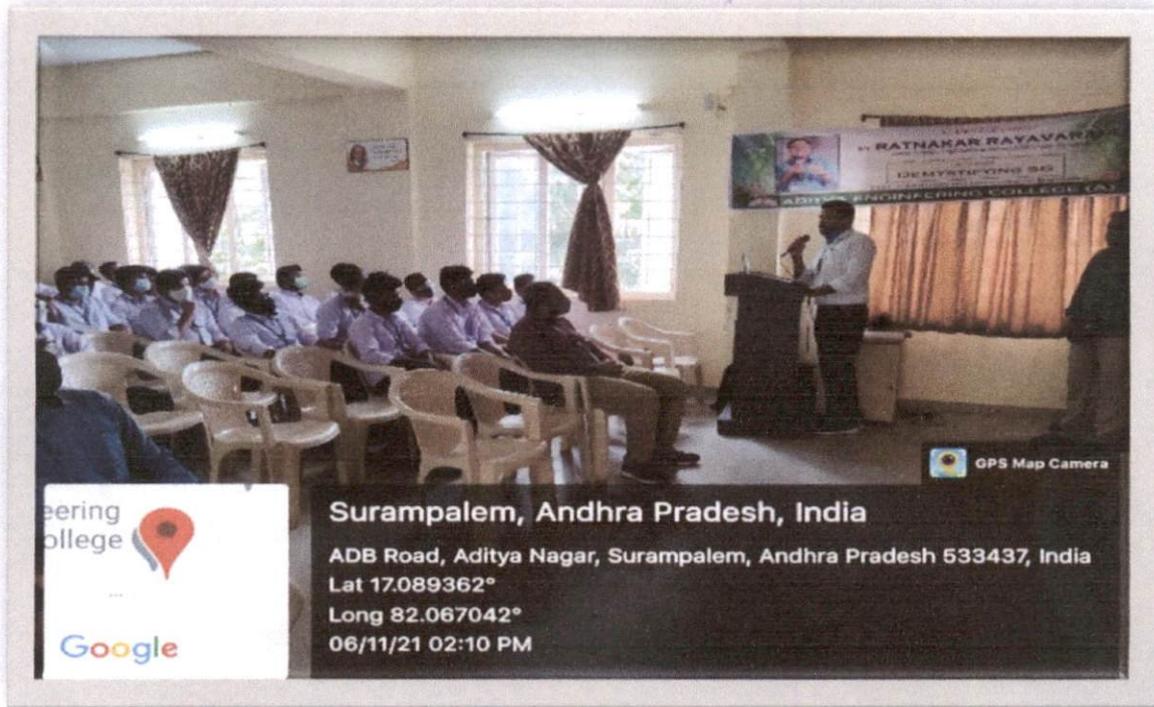
- Identify suitable frequency spectrum for various communication systems and Networking Technologies.

Conclusive Remarks:

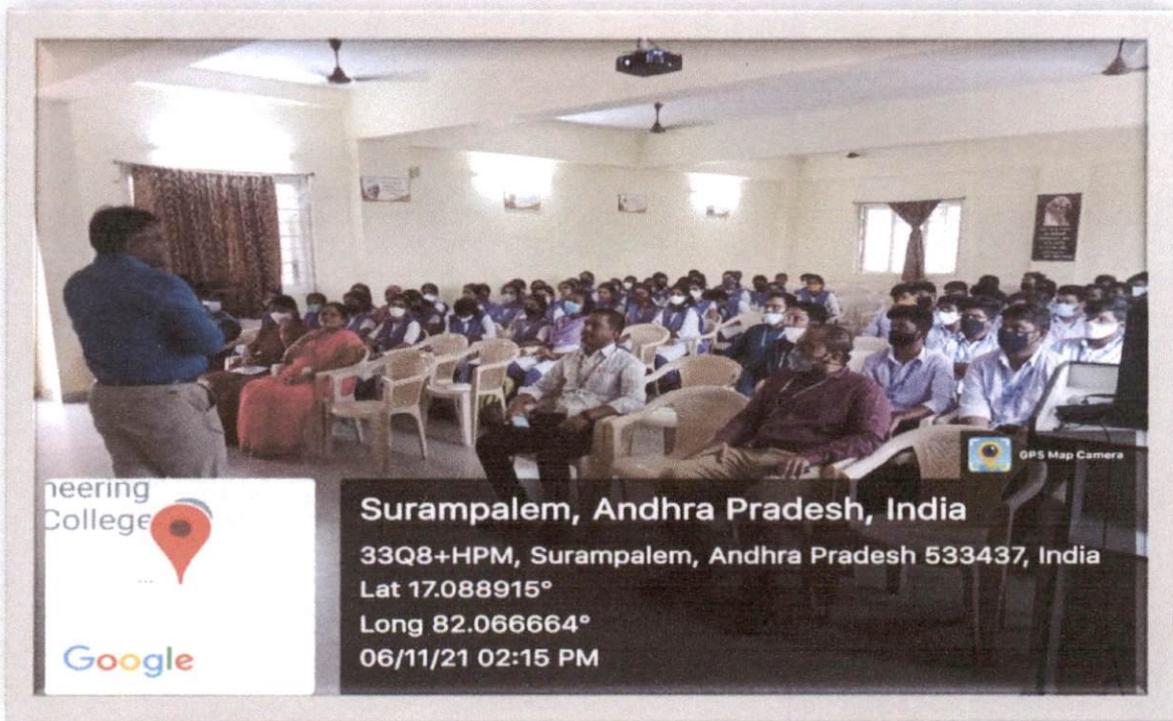
This Guest lecture was conducted successfully fulfilling the goal of making students understand the challenges of implementing 5G network. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of Telecommunication.


PRINCIPAL
Aditya Engineering College
SURAMPALEM

Photos:

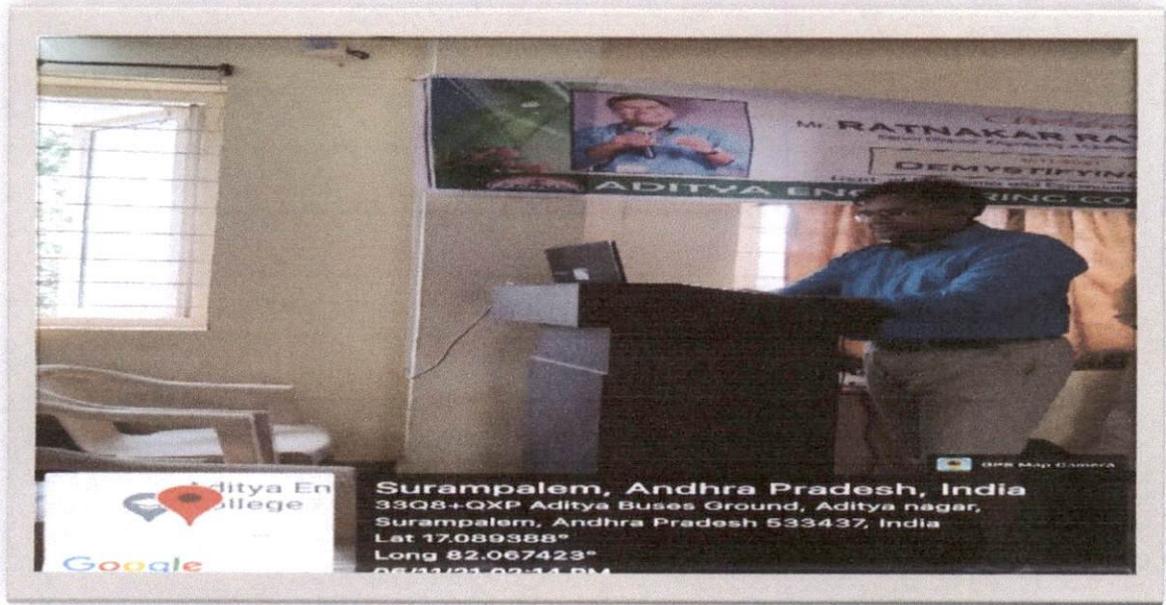


Inaugural session

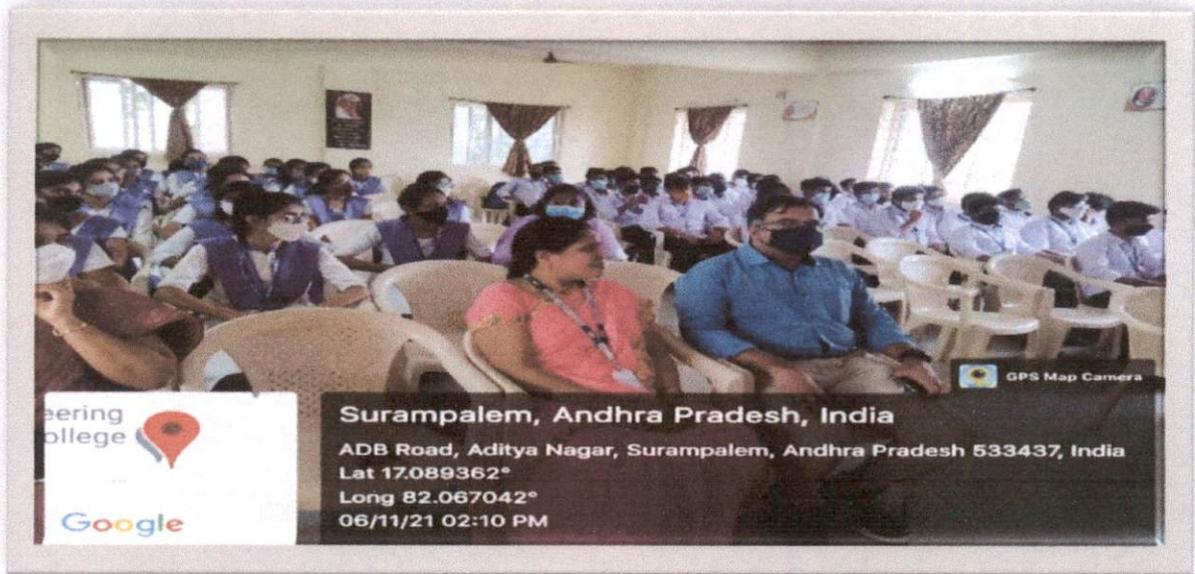


Presentation session

S. Anj.
PRINCIPAL
Aditya Engineering College
SURAMPALEM



Presentation session

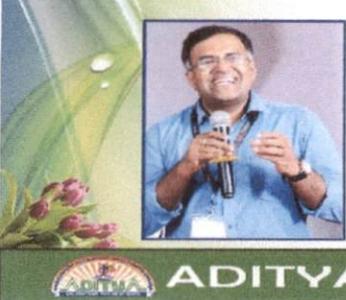


Valedictory session

Hari
Coordinator

Srinu
PRINCIPAL
Aditya Engineering College
SURAMPALAM

Q. Sridhar
Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)



Welcome
Mr. **RATNAKAR RAYAVARAPU**
Senior Director, Engineering at Samsung R&D India, Bangalore

6-11-2021
DEMYSTIFYING 5G

Dept. of Electronics and Communication Engineering
ADITYA ENGINEERING COLLEGE (A)



Thankful to



Mr. **RATNAKAR RAYAVARAPU**

Senior Director
Engineering at Samsung R&D India, Bangalore

For delivering a Guest Lecture on

DEMYSTIFYING 5G

06-11-2021

with best complements from

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

ADITYA ENGINEERING COLLEGE (A)

Surampalem, East Godavari

S. K. V.
PRINCIPAL
Aditya Engineering College
SURAMPALEM

G. Seidrol
Head of the Department
Department of E.C.E.
Aditya Engineering College (A)



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Computer Science and Engineering

Date: 09.05.2022

Report on

Guest Lecture on "Search Engine Optimization"

Title: "Search Engine Optimization"

Introduction to the Event:

A One-Day Guest Lecture on "Search Engine Optimization" was organized for the IV Semester B.Tech students by the Department of CSE, Aditya Engineering College, Surampalem, Andhra Pradesh on 07/05/2022. The Keynote speaker was Mr.Srinivas Rao K, Head of IT & InfoSec, Oasis Investment Company (Al Shirawi Group), Dubai, UAE. He explained concept of Performance of Search Engine optimization. The session concluded with career options in SEO and its utmost importance in the industry was highlighted. About 180 students of IV semester have participated. Dr. S.Rama Sree, Dean Academics, Ms.A.Vanathi, HOD (CSE) and all the faculty members of CSE were also present.

Event Dates: 07-05-2022

Number of Days: 1 Day

Co-ordinator: : Dr.M.Kandan, Associate Professor, CSE

Agenda/Event Flow:

Session-I (9:30AM - 12:30PM):

- Performance of Search Engine optimization
- Type of SEO and its usage.

Session-II (1:30PM – 3:30PM)

- Categories of optimization
- Tools for SEO

No. of Participants: 180

Experts with Designation: Mr.Srinivas Rao K, Head of IT & InfoSec, Oasis Investment Company (Al Shirawi Group), Dubai, UAE

Experts' Profile:

He is currently working as Head of IT for a multi-billion dirham turnover group, having 11,000+ employees and 60 companies. He has recognised as a Technology Transformation &

gub
PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437

Business Continuity Expert, with 21 years of experience of serving corporation in the Manufacturing, Automobile, Printing, Distribution, Construction, Education, Healthcare & Information Technology industries. He handled domains such as Digital Infrastructure, Datacenter, and Application Delivery and so on. He has certifications in Information Systems Security Professional, Project Management Professional, Information Technology Infrastructure Library, etc. He designed and built Group's Datacentre / DR Sites on Private Cloud, a Greenfield project delivered to serve a large user community 24/7 with Zero DownTime KPI. He implemented comprehensive ITSM, Projects & Change Management Systems linking the support & Project functions of IT, establishing a KPI-based point system for the department's annual performance review. He Trained & delivered more than 100+ Tech support engineers for various clients.

Venue: Seminar Hall, (Room No: 101), Bill Gates Bhavan

Hospitality/Accommodation: No

Staffing:

1. Ms.P.Srilatha, Asst.Professor
2. Mr.M.Raaja Babu, Assoc. Professor

Outcomes:

- Students are able to understand Search Engine Optimization and its categories
- Students are able to understand type of SEO and development tools

Conclusive Remarks:

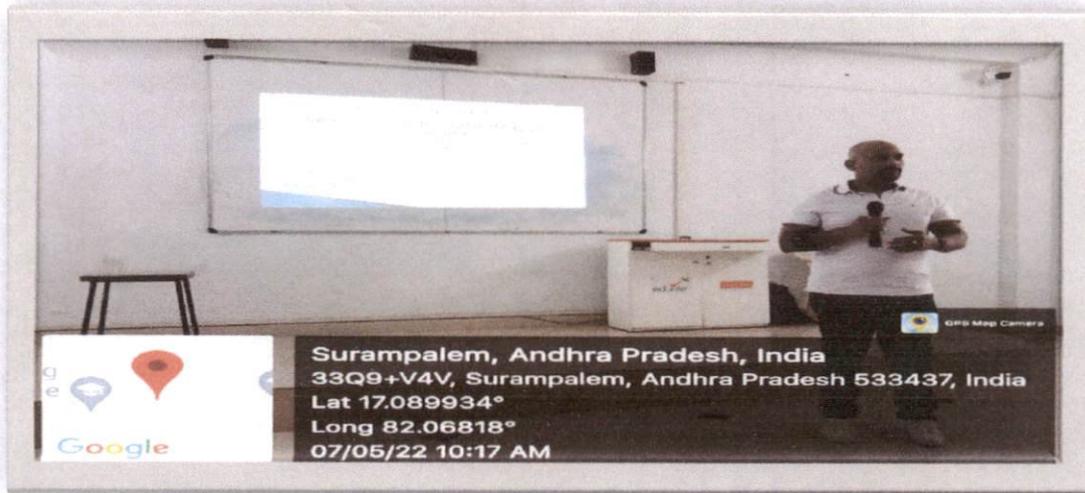
This one day Guest Lecture was conducted successfully fulfilling the goal of making students learn the Performance of Search Engine optimization. As it was one of the good opportunities, all the participants were involved and learnt well. Finally, the program successfully came to end by giving necessary knowledge to students in the emerging tools of SEO. This learning experience covered a wide range of topics from Performance of Search Engine optimization to Tools for SEO. The session concluded with career options in SEO and its utmost importance in the industry was highlighted. This training showcased a wide variety of examples to illustrate the key points in utilizing SEO Services



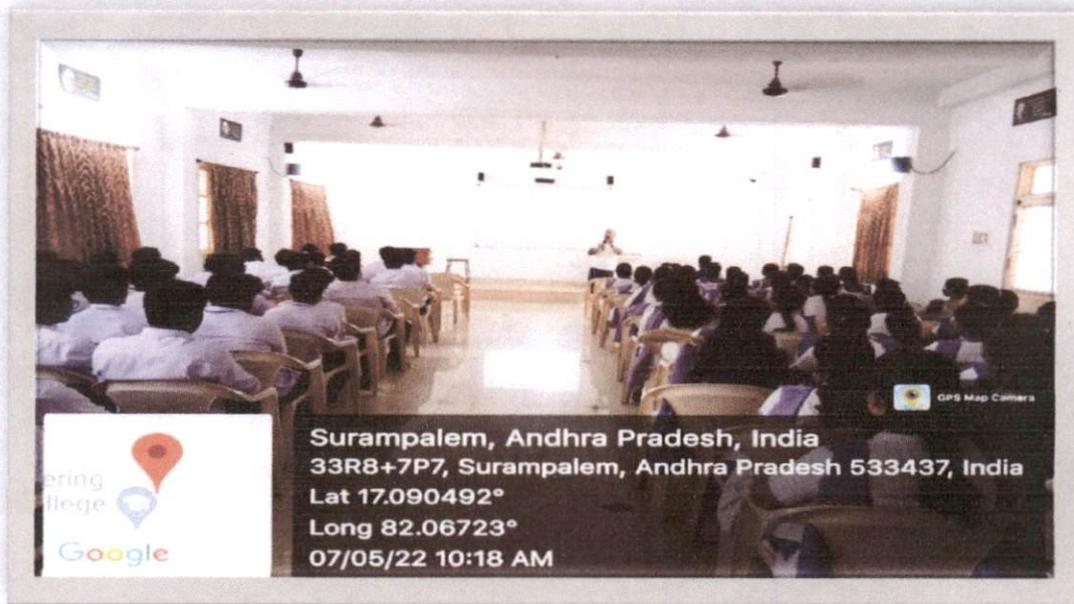
PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 431

Department of Computer Science and Engineering

Guest Lecture on "Search Engine Optimization"



Inaugural session on 07/05/2022



Lecture on Search Engine Optimization

Sul
PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437



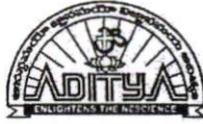
Vote of thanks and Memento to the guest

Coordinator

Head of the Department

Head of the Department
Department of CSE
ADITYA ENGINEERING COLLEGE (AD)

PRINCIPAL
Aditya Engineering College
SURAMPALEM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Information Technology

Date: 15.03.2022

Report on

A Guest Lecture on "AWS Technical Essentials"

Title: AWS Technical Essentials

Introduction to Event:

A Guest Lecture on "AWS Technical Essentials" was conducted at Aditya Engineering College (A), Surampalem by the department of IT to make the students learn about Technical Essentials of AWS. The objective of this programme is to impart the knowledge to understand the concept of Cloud computing and utilizing AWS services. Keeping this in view, the department has organized this training programme for the benefit of the students.

Event Dates: 12-03-2022

Number of Days: 1 day

Co-ordinator: Mr. A. Kalyan Chakravarthy Asst. Professor, Department of IT.

Agenda/Event Flow:

Date	12.03.22	
Session	Time	Topic
FN (9:30 AM - 12:30 PM)	9-30 AM - 10:00 AM	Inaugural Session
	10:00 AM - 11:00 AM	Lecture on Terminology and concepts related to the AWS platform
	11:00 AM - 11:15 AM	Tea Break
	11:15 AM - 12:30 PM	Lecture on How to navigate the AWS Management Console


PRINCIPAL
Aditya Engineering College
SURAMPALEM


Head of the Department
Department of IT
Aditya Engineering College

LUNCH (12:30PM - 1:30PM)		
AN (1:30 PM – 3:30 PM)	1:30 PM - 2:30 PM	Key concepts of AWS security measures and AWS Identity and Access Management (IAM)
	2:30 PM - 2:40 PM	Tea Break
	2:00 PM - 3:00 PM	Key concepts of AWS security measures and AWS Identity and Access Management (IAM)
	3:00 PM - 3:30 PM	Valedictory

No. of Participants: 51

Experts with Designation: Mr.Srikanth Goli,
Associate Cloud Systems Administrator
Andhra Pradesh State Skill Development Corporation (APSSDC),
Guntur

Experts' Profile:

1. Mr.Srikanth Goli

Associate Cloud Systems Administrator at Andhra Pradesh State Skill Development Corporation, Experienced Cloud System Administrator with a demonstrated history of working in the non-profit organization management industry. Skilled in Microsoft Word, Networking, HTML, Windows System Administration, and Microsoft Excel. Strong information technology professional with a Master of Technology (M.Tech.) focused in Computer Science from Velagapudi RamaKrishna Siddhartha Engineering College, Vasantha Nagar, Kanuru, Vijayawada

Venue: Seminar Hall (Billgates Bhavan)

Hospitality/Accommodation: Yes

Outcomes:

The students got familiarized about

- Gain the knowledge Concept of Cloud computing
- List of services in AWS

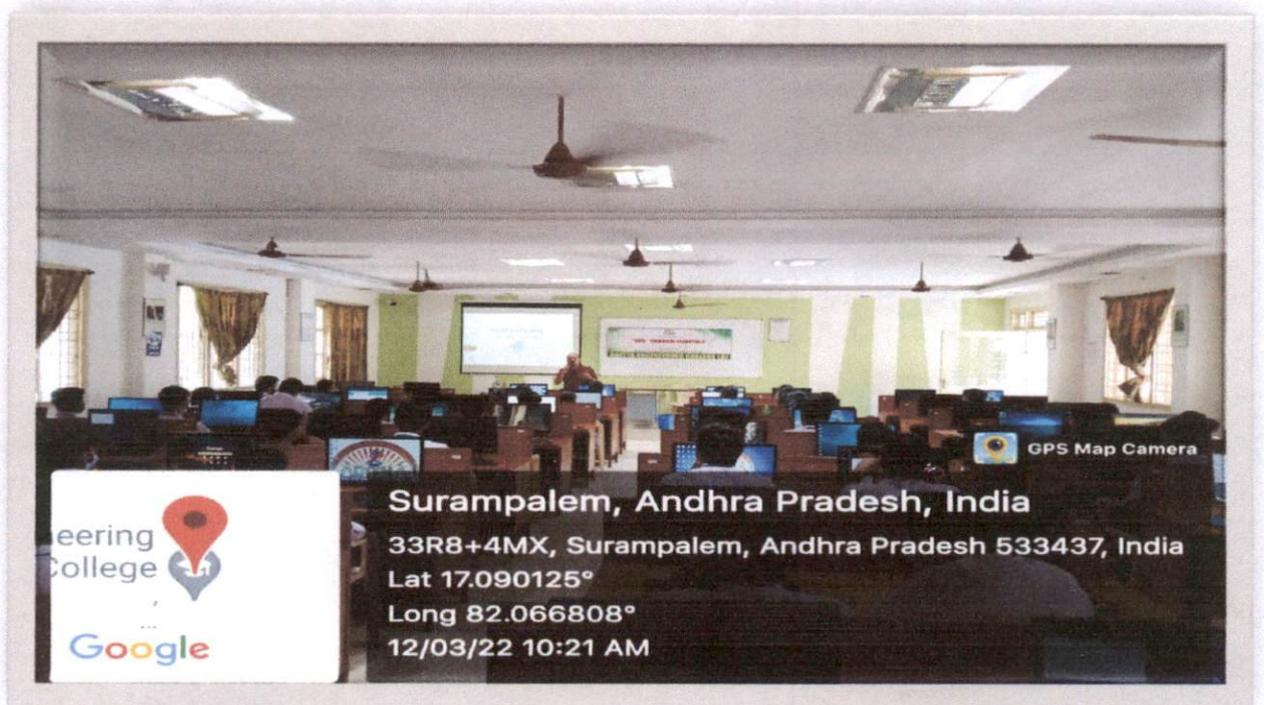
Conclusive Remarks:

This 1 day Guest Lecture was conducted successfully fulfilling the goal of making students learn the AWS Technical Essentials concepts. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of AWS Technical Essentials. This learning experience covered a wide breadth of topics from the key steps involved in AWS Technical Essentials. This training showcased a wide variety of examples to illustrate the key points in AWS Technical Essentials.

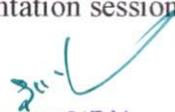
Photos:



Inaugural session on 12/03/2022



Presentation session on 12/03/2022


PRINCIPAL
Aditya Engineering College
SURAMPALEM


Head of the Department
Department of IT
Aditya Engineering College



Valedictory session on 12/03/2022

A.K.
Coordinator

[Signature]
Head of the Department
Head of the Department
Department of IT
Aditya Engineering College

[Signature]
PRINCIPAL
Aditya Engineering College
SURAMPALAM



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Mining Engineering

Date: 27.03.2022

Report on

Guest Lecture on “Land Reclamation, Land use Planning and Mine Closure Planning in Indian Context”

Introduction to Event:

A 1-Day Guest Lecture on “Land Reclamation, Land use Planning and Mine Closure Planning in Indian Context” was conducted at Aditya Engineering College (A), Surampalem by the department of Mining Engineering to make the students learn how to design digital system with considering design metrics. The objective of this programme is to impart the knowledge on mine reclamation and closure planning to restore physical, chemical and biological quality disturbed by the mining to a level acceptable to all concerned. The reclamation is the combined process by which adverse environmental effects of surface mining are minimized and mined lands are returned to a beneficial end use. End uses may be open space, wildlife habitat, agriculture, or residential and commercial development. The programme comprehensively discusses the legal framework for mine closure in Indian context besides highlighting the environmental and safety issues resulting from unplanned mine closure in different mines. In order to meet the sustainability in mining industry, students need to equip with the basic knowledge of mine reclamation and closure planning. Keeping this in view, the department has organized this guest lecture programme for the benefit of the students.

Event Date: 26-03-2022

Number of Days: 1 day

Co-ordinator: Mr. M John William, Assistant Professor, Mining Department.

Agenda/Event Flow:

- 9.30 am to 12.30 am :** Introduction to Mine Reclamation and Closure Planning and the
1.30 pm to 3.30 pm : The challenges in mine planning of surface coal mines regarding mine closure

No. of Participants: 54

PRINCIPAL
Aditya Engineering College
SURAMPALAM

Experts with Designation: Dr. Debi Prasad Tripathy,
Professor, Mining Department,
National Institute of Technology, Rourkela.

Experts' Profile:

1. Dr. Debi Prasad Tripathy is working as Professor in the Department of Mining Engineering at National Institute of Technology, Rourkela since 2008. He worked as Head, Mining Engg. During 2010-2012 and 2017-2019. He obtained his B.E. (Mining Engg.) from VNIT, Nagpur; M. Tech. from I.T., BHU; and Ph.D. from ISM, Dhanbad. He did PG Dip. in Ecology and Environment (IIEE, New Delhi); Master of Financial Management (Pondicherry) and PG Dip. in Personnel Management and Industrial Relations (Annamalai). He has published significant number of research and technical papers in reputed International and National Journals and Conferences and authored 7 books.

Venue: Cotton Bhavan Seminar Hall (Room No: 208)

Hospitality/Accommodation: Yes

Outcomes:

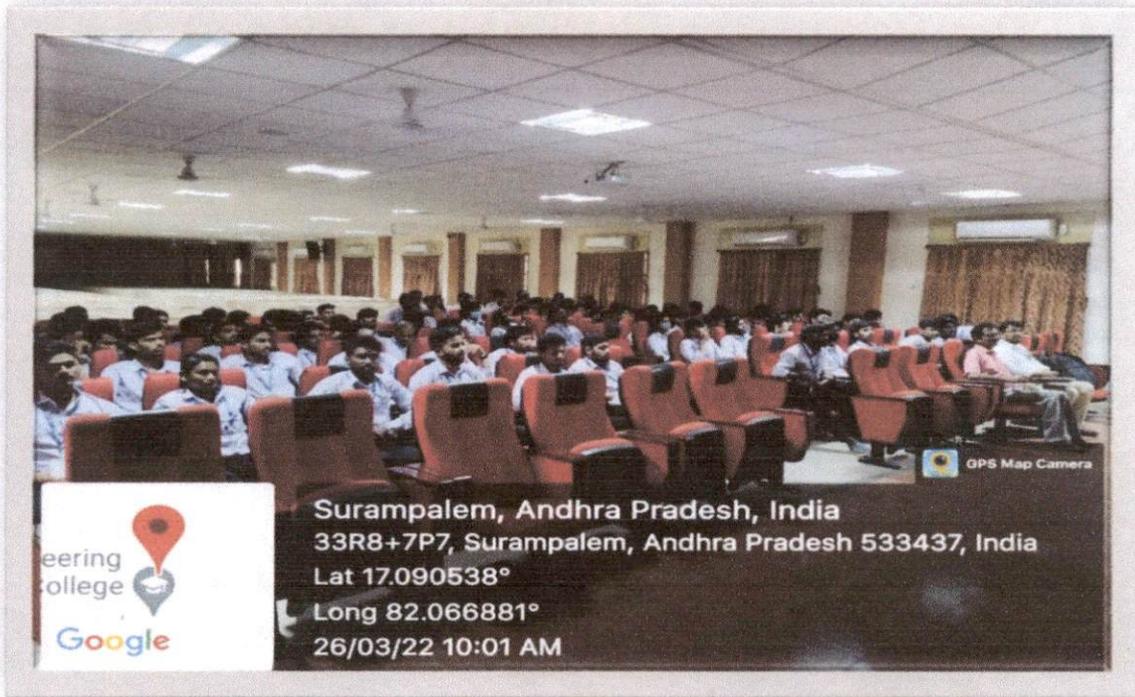
- After completion of the programme, students will be able to
- Design the mine closure planning
 - Apply Conserve and enhance biodiversity
 - Understand the use of mined areas for productive

Conclusive Remarks:

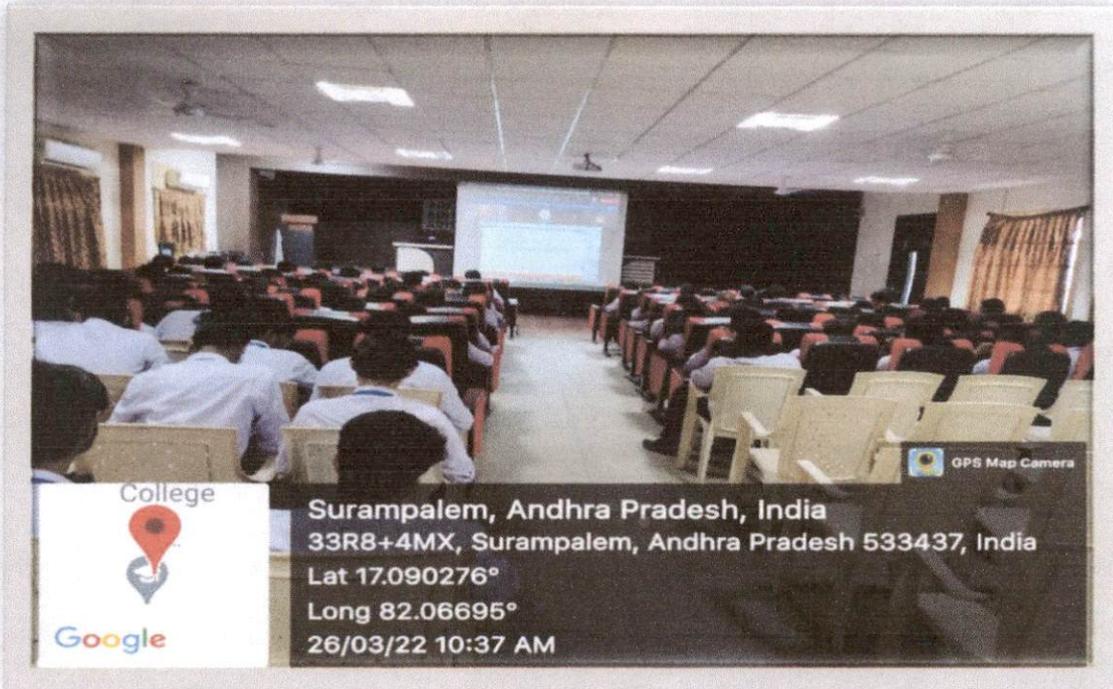
This 1-Day programme was conducted successfully fulfilling the goal of making students learn the mine reclamation and closure planning concepts. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of mine closure planning. This learning experience covered a wide breadth of topics from the key steps involved in mine closure planning to minimize the adverse environmental effects of mining industry. This programme showcased a wide variety of examples to illustrate the key points in mine closure planning.


PRINCIPAL
Aditya Engineering College
SURAMPALEM

Guest Lecture on “Land Reclamation, Land use Planning and Mine Closure Planning in Indian Context”



Inaugural Session



Presentation Session

Handwritten signature
Coordinator

Handwritten signature
PRINCIPAL
Aditya Engineering College
SURAMPALEM

Handwritten signature
Head of the Department
Head of the Department
DEPARTMENT OF MINING ENGINEERING
ADITYA ENGINEERING COLLEGE



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

Department of Petroleum Technology

Date: 14.03.2022

Report on

A 1-Day Guest Lecture on "Overview of Oil and Gas Refinery"

Title: Overview of Oil and Gas Refinery

Introduction to Event:

A 1-Day Guest Lecture on "Overview of Oil and Gas Refinery" was conducted at Aditya Engineering College (A), Surampalem by the department of Petroleum Technology to make the students learn how to process the crude oil in the oil and gas refinery. The objective of this programme is to impart the knowledge on processing methods, working conditions of unit operations and processing of petroleum products based on nature of crude. As the size and complexity of refinery what are the petroleum products are processing. In order to meet the current trends in refinery process, students need to equip with the basic knowledge of refinery operations. Keeping this in view, the department has organized this guest lecture for the benefit of the students.

Event Dates: 10-03-2022

Number of Days: 1 day

Co-ordinator: Mr. M.V.V.S. Anuprakash, Assistant Professor.

Agenda/Event Flow:

Day-1- Session -I: Introduction to Refinery

Day-1- Session -II: Unit Operations involved in refinery

Day-1- Session -III: Classification of refinery and Characteristics of Crude

No. of Participants: 52

Experts with Designation: Mr.Chiranjeevulu. S. Chief Manager (QC. R&D). ONGC.

Venue: K.L.Rao Bhavan Seminar Hall (Room No: 301)

Hospitality/Accommodation: Yes

Staffing:

1. Mr.E.Nandish Goud, Asst. Professor
2. Mr.T.Raja Avinash, Asst. Professor

PRINCIPAL

**ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437**

Outcomes:

- Familiarized with the modern refinery operations and the relevant processing methods.
- Applied the knowledge gained in the processing of oil and gas

Conclusive Remarks:

This 1-Day programme was conducted successfully fulfilling the goal of making students learn the refinery process. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of refinery operations. This learning experience covered a wide breadth of topics from the key steps involved in processing methods to how to maximize its performance besides reducing the area and delay. This training showcased a wide variety of examples to illustrate the key point's different refinery processing operations.

Photos:

Inaugural session


PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 437



Presentation session



Valedictory session


Coordinator


PRINCIPAL
Aditya Engineering College
SURAMPALEM


Head of the Department

Head of the Department
Department of Petroleum Technology
Aditya Engineering College
SURAMPALEM-533 437



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E. G. Dt., Ph:99498 76662

Department of Agricultural Engineering

Date: 30.03.2022

Report on

A Guest Lecture on "Entrepreneurship Development through Horticultural Crops"

Introduction to Event:

A 1-Day Guest Lecture on "Entrepreneurship Development through Horticultural Crops" was conducted at Aditya Engineering College (A), Surampalem by the department of Agricultural Engineering to make the students learn how to start small scale industry in making value added products with available local products. The objective of this programme is to develop the entrepreneurship skills in students required to establish start-ups on their own. With the changing consumption pattern towards horticultural crops and rising per capita income, there is an increase in internal demand as well as export opportunities for horticultural crops. Keeping this in view, the department has organized this guest lecture for the benefit of the students.

Event Dates: 28-03-2022

Number of Days: 1 day

Co-ordinator: Dr. B. Krishna Kanth, Asst. Prof., Department of Agricultural Engineering.

Agenda/Event Flow:

Day-1- Session – I: Introduction to Entrepreneurship

Day-1- Session – II: Entrepreneurship Development Skills

Day-1- Session – III: Horticultural Crops

Day-1- Session – IV: Interactive Session & Valedictory

No. of Participants: 131

Experts with Designation: 1. Er. P.C. Vengaiiah

Principal Scientist & Head

Dr. Y. S. R Horticultural Research Station

Pandirimandi, Rampachodavaram

East Godavari District-533288.

Venue: K. L. Rao Bhavan Seminar Hall (Room No: 301)

Hospitality/Accommodation: Yes


PRINCIPAL

ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437


Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A91)

Staffing:

1. Er. J. Pavani, Asst. Professor
2. Er. S. Jhansi Lakshmi, Asst. Professor

Outcomes:

- Helped the students to learn about how to start small scale industry in making value added products with available local products.
- Gained the knowledge about the entrepreneurship skills in horticultural crops.

Conclusive Remarks:

This 1-Day programme was conducted successfully fulfilling the goal of making students gain entrepreneurship skills. As it was one of the good opportunities, all the participants were involved and interacted well. Finally, the program successfully came to end by giving necessary knowledge to students in the field of horticulture. This learning experience covered a wide breadth of topics from the key steps involved in processing methods to how to maximize its performance besides reducing the area and delay. This training showcased a wide variety of examples to illustrate the key point's different horticultural and processing operations in agriculture sector.

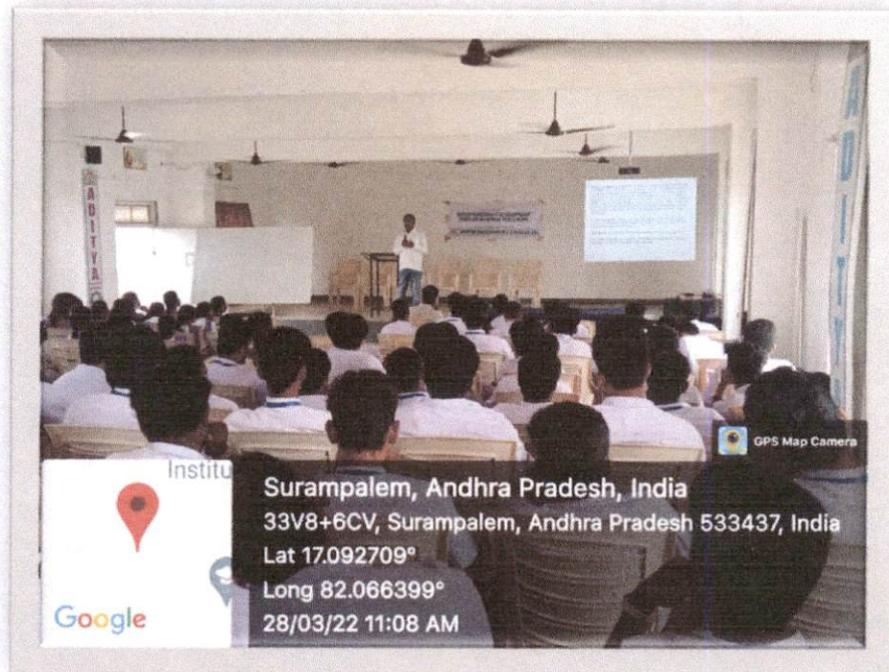
N.V.G.
Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A91)

S.V.L.
PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 437

Guest Lecture on "Entrepreneurship Development through Horticultural Crops"



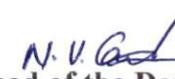
Er. P.C. Vengaiyah is delivering guest lecture

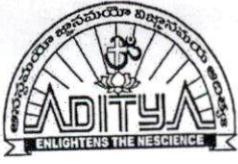


Interaction session


Coordinator


PRINCIPAL
ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437


Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (AE)



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade
Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

DEPARTMENT OF HUMANITIES AND BASIC SCIENCES

Date: 08.12.2021

Report on

“One Day Guest Lecture on English for Elegance and Excellence”

Name of the Event: One Day Guest Lecture on “English for Elegance and Excellence”

Introduction to Event: A Guest Lecture on “English for Elegance and Excellence” was organised by the Department H&BS on 04.12.2021 at Aditya Engineering College (A), Surampalem, to enrich the language skills of students and make them industry-ready. The main objective of this programme is to create an awareness of English among the students of Engineering and Enhancing employability skills among students. This lecture will also provide the participants with a good insight into the process of developing effective Communication skills in order to secure a good placement in their bright carrier.

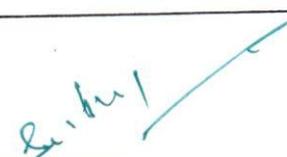
Event Date: 04.12.2021

Co-ordinator: Mr.J.Balarajasekhar, Assistant Professor, Department of H&BS.

Agenda/Event Flow:

TIME	PROGRAMME
10.00 a.m – 11.00 a.m	Inauguration
11.00 a.m – 12.30 p.m	Introduction Need of Communication Skills
12.30 p.m – 01.30 p.m	Lunch Break
01:30 p.m – 03:45 p.m	Creating an awareness of English among the students of Engineering and Enhancing Employability skills
03:45 p.m – 04:00 p.m	Tea Break
04:00 p.m – 04:30 p.m	Valedictory

No. of Participants: 110


PRINCIPAL
Aditya Engineering College
SURAMPALAM

Experts with Designation: Mr. K.Durga Rao,
Assistant Professor
BVC institute of Engineering and Technology
Batlapalem, Andhrapradesh.

Experts' Profile :

Mr. K. Durga Rao, currently working as an Assistant professor in BVC Institute of Engineering and Technology Batlapalem in the department of Humanities and Basic Sciences. He has 13 years of teaching experience in various levels. He finished his Degree and B.Ed. from Andhra University. He completed his P.G in English language and Literature in Y.N College, Narsapur. He qualified in UGC-NET in 2021.He published two papers in International Journals& written two books.

Venue: Bill Gates Bhavan Seminar Hall (Room No: 101)

Hospitality/Accommodation: Yes.

Staffing:

1. Mr.B.Rambabu, Assistant Professor
2. Mrs.Y.Manjula, Assistant Professor

Outcomes:

- Understanding the importance of English in various Engineering contexts and career
- Applying their knowledge effectively in participate professional presentations.

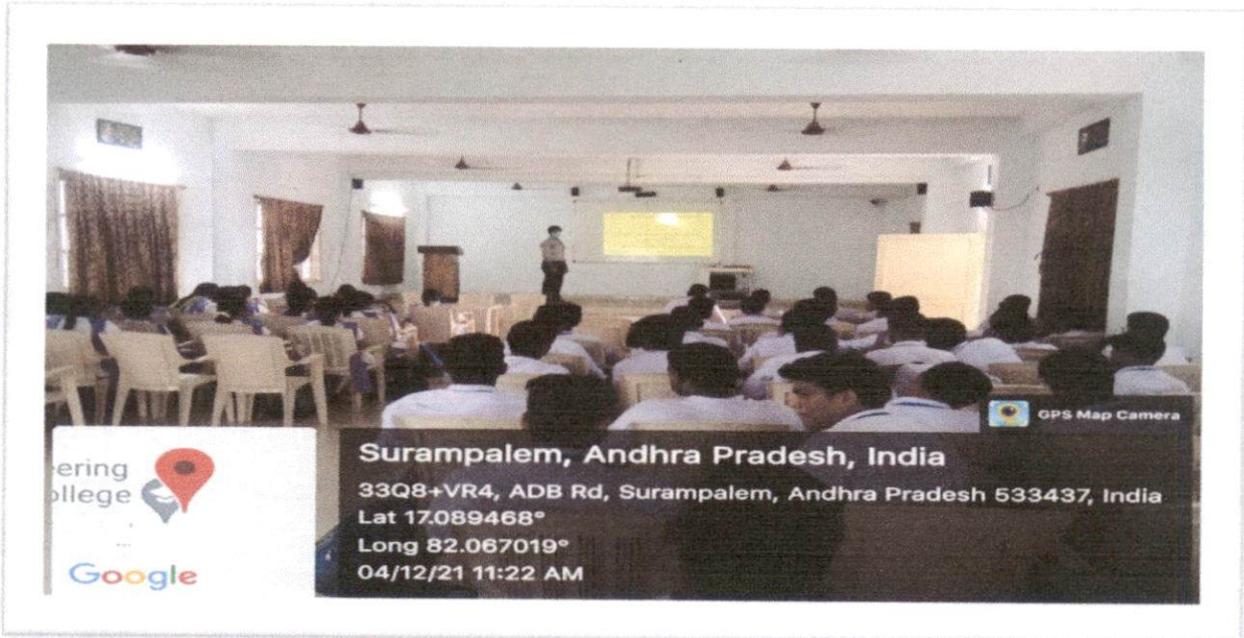
Conclusive Remarks:

This training programme has provided the participants with a good insight into the process of developing effective Communication skills in order to secure a good placement in their bright carrier, and this training program will definitely useful to the students for their professional growth and to reach the summit success in their lives. This training programme has provided the participants with a good insight into the process of developing effective Communication skills in order to secure a good placement in their bright carrier.


PRINCIPAL
Aditya Engineering College
BATLAPALEM

DEPARTMENT OF HUMANITIES AND BASIC SCIENCES

“One Day Guest Lecture on English for Elegance and Excellence”



Presentation session



Presentation session

J. B. S. G.
Coordinator

[Signature]
PRINCIPAL
Aditya Engineering College
SURAMPALAM

[Signature]
Head of the Department
Head of the Department
Department of H & BS
Aditya Engineering College (A9)