

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

Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff

Academic Year 2020-21

Faculty Development Programs					
S.No	Title	Department	Date(s)	No. of Participants	Page Numbers
1	FDP on Micromanufacturing	ME	15-03-2021 to 20-03-2021	32	1
2	FDP on Recent Trends in Microwave and Antenna Technology	ECE	08-02-2021 to 13-02-2021	42	8
3	FDP on Recent trends in food processing and preservation technologies	Ag.E	05-04-2021 to 09-04-2021	12	15
4	FDP on Deep Learning using python	MCA	15-03-2021 to 19-03-2021	40	22

ADITYA ENGINEERING COLLEGE(A)

Aditya Nagar, ADB Road, Surampalem-533437

ONE WEEK ONLINE FDP

ON

“MICROMANUFACTURING”

15-03-2021 to 20-03-2021

Registration Form

Name of the Participant: _____

Department: _____

College Name: _____

Designation: _____

Mobile No. : _____

Email ID: _____

Accommodation Required : YES / NO

DD.No. & Date: _____

Bank & Branch: _____

Link : <https://qr.go.page.link/ErTjC>

Signature of the Participant

Eligibility :

- Academic Faculty, Research Scholars, PG students & Persons from Industry.
- Limited to 50 participants only.

Registration Fee : Rs. 500

- DD to be drawn in favour of Principal, Aditya Engineering College, Surampalem.
- Accommodation will be provided on nominal payment basis.

Chief Patron:

Dr. N Sessa Reddy, Chairman

Sri. N Satish Reddy, Vice-chairman

Patron:

Dr. M Sreenivasa Reddy, Principal

Convener:

Dr. Bh Vara Prasad, HOD, ME

Coordinator:

Mrs V Pragna, Associate. Professor, ME

Advisory Committee:

Dr V Srinivas Rao, Vice -Principal

Dr. V Kamesh, Professor

Organizing Committee:

Dr. Sandip Kumar, Asst Professor, ME

Dr. Sachin Gupta, Asst Professor, ME

Dr. Santosh Kumar Dash, Asst Professor, ME

Mr. J D Venkatesh, , Associate Professor ,ME

Mr. Maruthy Sripada, Asst Professor , ME

Mr. Kumar Rajesh , Asst Professor, ME

Mr. Raja Rachakonda , Asst Professor ,ME

Ms. Sireesha Bhadrakali A, Assoc. Professor ,ME

Mr. Kishore K.L. , Associate Professor ,ME

Ms S Anjani Devi, Asst Professor , ME

Contact Persons

Mrs V Pragna
Ph No: 9959204152

Ms. A Sirisha
Ph No: 8008512274

ONE WEEK ONLINE FDP

ON

“MICROMANUFACTURING”

Organized by

Department of Mechanical Engineering



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UGC Act, 1956.S

15-03-2021 to 20-03-2021

Coordinator :

Mrs V Pragna,
Associate. Prof. , ME, Department

Convener:

Dr Bh Vara Prasad, HOD ,ME

PRINCIPAL

ADITYA ENGINEERING COLLEGE
SURAMPALAM - 533 437

About the Institution:

Aditya Engineering College was established in the academic year 2001-02 under the aegis of Aditya Academy, Kakinada with the approval of AICTE and Affiliated to JNTU with an intake of 180 in three UG Courses in Engineering & Technology.

The College is situated in an eco-friendly area of 180 acres with thick greenery at Surampalem, Gandepalli Mandal, East Godavari District, Andhra Pradesh. The College is 15 KM away from Samalkot Railway Station on Howrah-Chennai Railway line in South Central Railway. The College is 35 Km away from Kakinada and Rajahmundry on ADB Road.

The college proudly offers 9 UG and 8 PG programmes in engineering, MCA, MBA and MBA (Integrated) with 15 years of rich standing in the educational era. Besides, the college has added many feathers in its cap which include AA+ Grade by Careers 360. It is approved by AICTE, recognized by Govt. of Andhra Pradesh, permanently affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK) and is accredited by National Assessment And Accreditation Council (NAAC) with 'A' Grade. The college also received UGC recognition under Sections 2(f) and 12 (B) of the UGC Act.

About the Mechanical Department :

The Mechanical Engineering department at Aditya has earned a place of high repute through its quality teaching rendered by highly qualified and experienced faculty with umpteen number of research publications in reputed journals like ASME, ELSEVIER etc. and rigorous practical training creating an ambience of excitement in all the stages of study.

The department lays impetus on hands-on training with the support of simulation packages such as CATIA, ANSYS, I-DEAS, PRO-E, UNIGRAPHICS and SOLID WORKS.

The professional activities include guest lectures, industrial visits, workshops, seminars, technical festivals VEDA and programs under Mechanical Engineering Students Association (MESA), collegiate club of the Society of Automotive Engineers (SAE) and Auto gear club.

The projects that received appreciation in various events organized at state and national level are Go-Kart, Quad bike, Solar powered wheel chair, LPG bike, Reaping Machine and many more such highly relevant contraptions.

Students are encouraged to do internships in reputed industries like TATA Motors PVT. LTD., Hindustan Shipyard, BHEL PVT. LTD., Bhilai Steel Plant, Bokaro Thermal Power Station, Nalco Mining Division etc.

Last Date for Submission of Registration form:

10/03/2021 Intimation of selection through mail:

13/0/2021SW

Resource Persons:

1. Dr A Damodara Reddy, Asst professor, JNTUACEP
2. Dr M L Chaitanya, Professor, PRAGATHI ENGINEERING COLLEGE
3. Dr M Hymavathi, Asst. Professor, NIT AP.
4. Dr Ch Bharai Raju, Asst. Professor, SKKR Engineering College
5. Dr Bh Vara Prasad, Professor, AEC

About the Workshop:

The explosion of micro-scale product development in consumer markets including healthcare, communications, defence, energy and electronics, to name a few, has the potential to significantly improve quality of life and personal well-being. In response to this trend, this course focuses on the key issues associated with product miniaturization and micro-engineering. Micromanufacturing for the purposes of this course is defined as the creation of high precision 3-dimensional products using a wide variety of engineering materials with feature sizes in the range of tens of micrometers to a few millimeters with extremely tight tolerances. Emphasis will be placed on microscale product design and material-related issues and on new top-down and bottom-up manufacturing processes in addition to the accompanying trend toward the miniaturization of manufacturing equipment and systems

Outcomes:

- The program outcomes will immensely help the participants in the emerging areas apart from having added advantage in doing day to day work.
- The current trend in miniaturization of products has led to increased interest in micromachining and associated processes, and hence this topic will be emphasized in particular

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Department of Mechanical Engineering

Date: 12.03.2021


CIRCULAR

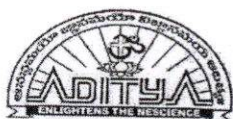
All the faculty members of ME are hereby informed that the department of Mechanical Engineering is organizing a One Week FDP on "Micromanufacturing" from 15-03-2021 to 20-03-2021. Hence, all the Teaching Staff are advised to register their names with the programme coordinator Mrs V.Pragna Assoc Professor, Department of ME on or before 13-03-2021.

Venue: K.L Rao Bhavan Seminar Hall

Timings: 10:00 PM to 12:30 PM


Head of the Department
Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
SURAMPALEM-533 437


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Department of Mechanical Engineering

One Week Faculty Development Program on Micromanufacturing

Attendance Sheet

SL. NO.	NAME OF THE FACULTY	15/03/2021 SIGNATURE	16/03/2021 SIGNATURE	17/03/2021 SIGNATURE	18/03/2021 SIGNATURE	19/03/2021 SIGNATURE	20/03/2021 SIGNATURE
1	Dr. Varaprasad Bhemuni	P	P	P	P	P	P
2	Dr. Pasupuleti Subrahmanya	P	P	P	P	P	P
3	Dr. Pritam Kumar Das	P	P	P	P	Ab	P
4	Dr. Sandip Kumar	P	P	P	P	P	P
5	Ms. Pragna Varsala	P	Ab	P	P	P	P
6	Mrs.M.Anusha	P	P	P	P	P	P
7	Mr. Veeranjanyulu Itha	P	P	P	P	P	P
8	Mr. Rajasekhar Jagathani	P	P	P	P	P	P
9	Mr. Saragada D V V S	P	P	Ab	P	P	P
10	Mr. Sree Naga Chidambara Dattu	P	P	P	P	P	P
11	Mr. Naga Surya Maruthy Vijay	Ab	P	P	P	P	P
12	Ms. Sirisha Badra Kali Ainapurapu	P	P	P	P	P	P
13	Mr. Lakshmi Kishor Karedla	P	P	P	P	Ab	P
14	Mr. Rajesh Kumar	P	P		P	P	P
15	Mr. Ganapathi Sundarapalli	P	P	P	P	P	P
16	Ms. Sanipina Anjani Devi	P	Ab	P	P	P	P
17	Mr K. Vijay	P	P	Ab	P	P	P

V. Bagnu
Coordinator

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SL. NO.	NAME OF THE FACULTY	15/03/2021 SIGNATURE	16/03/2021 SIGNATURE	17/03/2021 SIGNATURE	18/03/2021 SIGNATURE	19/03/2021 SIGNATURE	20/03/2021 SIGNATURE
18	Mr M Rambabu	P	P	P	P	P	Ab
19	Mrs K Keerthi	P	P	P	P	P	P
20	Mr Abdul Arif	P	P	Ab	P	P	P
21	Mr B Ravi	P	P	P	P	P	P
22	Mr V Gopi	P	P	P	P	P	P
23	Mr P Sarath Chandra	P	Ab	P	P	P	P
24	Ms K. Aravinda	P	P	P	P	P	P
25	Ms D Dedeepya	P	P	P	P	P	Ab
26	Mr P Karthikeya	P	P	P	Ab	P	P
27	Mr V Satyanarayana	P	P	P	P	P	P
28	Ms P Hareesha	P	P	P	P	P	P
29	Ms T Prasanthi	Ab	P	P	P	P	P
30	Mr K Ramakrishna	P	P	P	Ab	P	P
31	Mr T Ramu	P	P	P	P	P	P
32	Mr A Anil	P	P	P	P	P	P

[Signature]
Coordinator

[Signature]
Convener
Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
SURAMPALEM-533 437

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Department of Mechanical Engineering

Date: 22.03.2021

Report on

FDP on "Micromanufacturing"

Title: Micromanufacturing

Introduction to Event: The requirements of excellent quality at the lowest price in necessary for Manufacturing Engineers to adopt the cutting edge technology. The current trend in mini miniaturization of products has lead to increased interest in micromachining and associated processes, and hence this topic will be emphasized in particular. Participants will be introduced to various developments in different areas of manufacturing. The major focus of this FDP is on upgrading the teaching, training and research skills of the faculty members in the areas of advanced manufacturing. It includes Micro Nano Fabrications, Surface engineering, Nano Imprint Lithography, Micromachining by Laser, Additive manufacturing, Advanced robotics, Intelligent Automation and Control by eminent personalities and experts from various areas of manufacturing will come to one platform to discuss about the latest development during this program

Event Dates: 15-03-2021 to 20-03-2021

Number of Days: 6 Days

Co-ordinator: Mrs V.Pragna, Assoc Professor Department of ME.

Agenda/Event Flow:

- Day-1: MicroNano Fabrication
- Day-2: Nano Imprint Lithography
- Day-3: Micromachining by LASER
- Day-4: Additive Manufacturing
- Day-5: Advanced Robotics
- Day-6: Intelligent Automation and Control

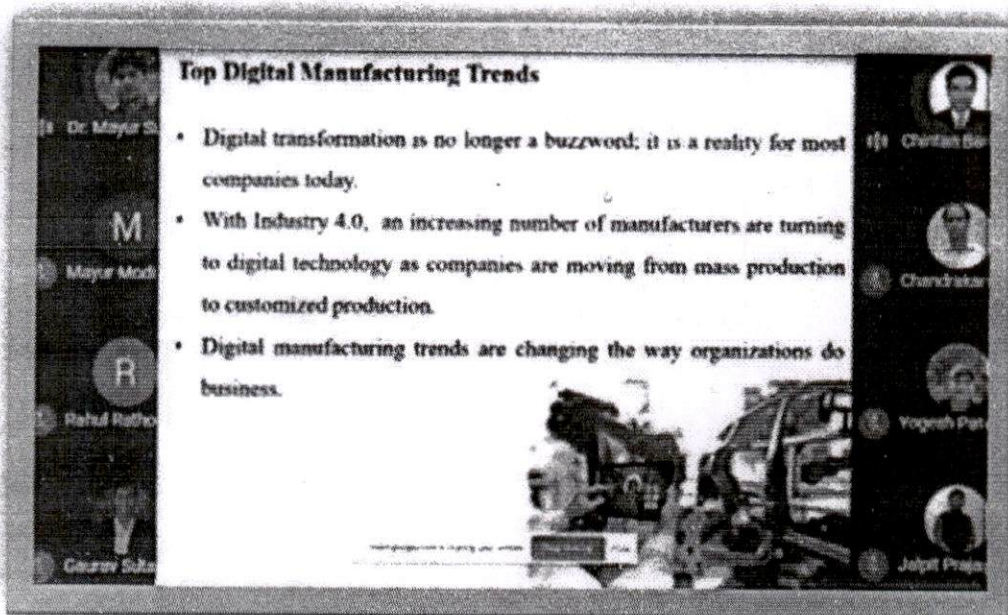
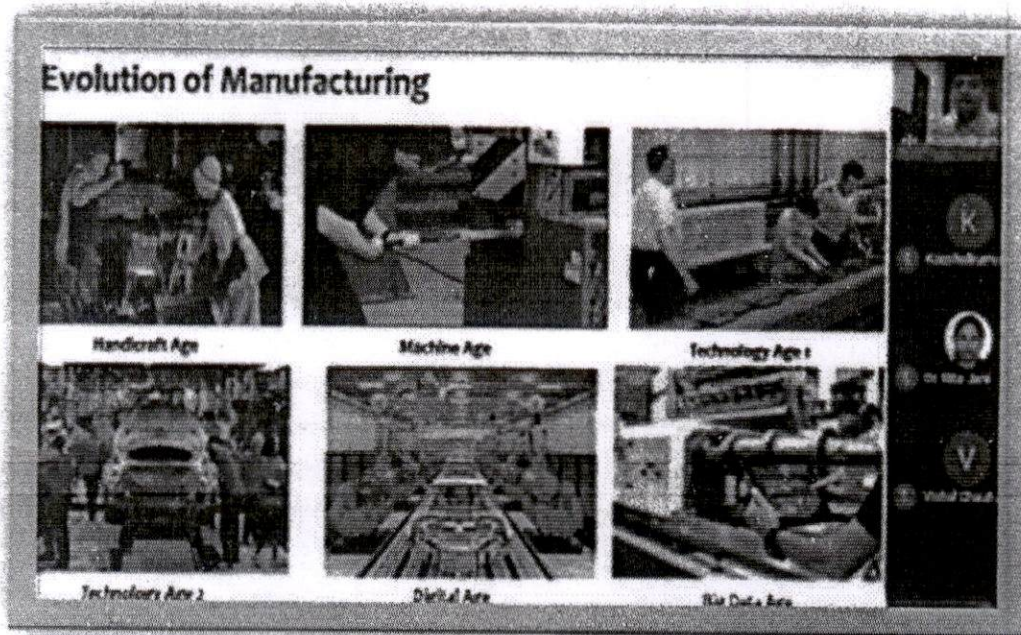
No. of Participants: 32

Experts with Designation:

1. Dr A Damodar Reddy, Asst professor
2. Dr M L Chaitanya, Professor
3. Dr M Hymavathi, Asst professor
4. Dr Ch Bharat Raju, Asst professor
5. Dr Bh Vara Prasad, Professor


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Photos:



V. Pragna
Coordinator

Head of the Department
Department of Mechanical Engineering
Aditya Engineering College (A)
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**Six-Days FDP on "Recent Trends
in Microwave and Antenna
Technology" from**

(08-02-2021 to 13-02-2021)

REGISTRATION FORM

1. Name:
2. Designation:
3. Highest Qualification:
4. Specialization:
5. Department:
6. Institution:
7. Address for communication:
.....
.....
.....
.....
- Pin Mobile:
- E-mail:
8. Experience (Number of years):

Signature
(Participant)

(Head of the Department)

Chief Patron

Sri. N.Sesha Reddy,
Chairman,
Aditya Educational Group

Patron

Sri. N.Satish Reddy,
Vice-Chairman,
Aditya Educational Group

Convener

Dr. M. Srinivasa Reddy, Principal

Co-Convener

Mrs. G.Sridevi, Assoc. Prof & H.O.D
ECE Department.

Coordinator

Mrs.B.Satya Sridevi
Assoc. Professor, ECE.
Aditya Engineering College

Organizing Committee

Mr.M.Neeladri
Associate Professor, Dept. of ECE

Mr.T.Srinivas Rao
Associate Professor, Dept. of ECE

Mr.G.Rama Naidu,
Asst. Professor, Dept. of ECE

Six-Days FDP on

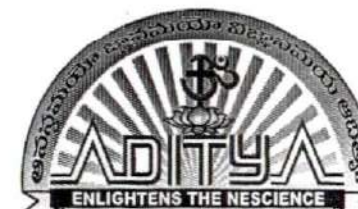
**"Recent Trends in Microwave
and Antenna Technology"**

from

(08-02-2021 to 13-02-2021)

Organized by

**Department of Electronics
&
Communication Engineering**



**ADITYA ENGINEERING
COLLEGE**

(Approved by AICTE, Affiliated to JNTUK)
Recognized by UG under section 2(f) of UG act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437



Principal
**Aditya Engineering College
SURAMPALEM**

ABOUT ADITYA ENGINEERING COLLEGE

Aditya Engineering College was established in the academic year 2001-02 under the aegis of Aditya Academy, Kakinada with the approval of AICTE and Affiliated to JNTU with an intake of 180 in three UG Courses in Engineering & Technology. Sri Nallamilli Seshareddy, as a founder chairman, promoted the educational society in the name and style of Aditya Academy at Kakinada in the year 1984, with a vision and mission to create a platform for holistic growth and success for students at all levels.

The college is situated in an eco-friendly area of 180 acres with thick greenery at Surampalem, Gandepalli Mandal, East Godavari District, and Andhra Pradesh. Through diverse programs and updated curriculum by imparting industry exposure and hands-on skills, AEC trains its students into competitive and global professionals, imbued with ethical consciousness and social awareness. The sophisticated laboratories and research centres make it one of the most preferred institutions for the aspirants of engineering studies. It is approved by AICTE, recognized by Govt. of Andhra Pradesh, permanently affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK).

ABOUT THE DEPARTMENT

The Department was established in the year 2001 with an intake of 60 students. Intake was increased by 30 in the years 2004 and 2005. In 2011, the intake was increased to 180 and from 2015 onwards the strength was 240 in take. The department is offering graduation and post-graduation programs with PG specializations VLSI and Embedded Systems for enthusiastic students. With new ideas emerging relentlessly, both the UG and PG programs of Electronics and Communication Engineering Department try to excel by focusing on the needs of industry and society through student centric methodologies which is reflected in placements every year. The department is well-equipped with the state-of-art laboratories which encompass the wide area of applied and fundamental aspects of the prescribed curriculum as Contemporary industry ready. In addition, the department enables training on advanced technologies through Texas Instruments Innovation lab, E-Yantra Robotics Lab, Intel Intelligent Systems Lab etc. The faculty of the department persistently carries out research and are specialists from the fields of device electronics, signal and image processing, antennas, microwave & optical engineering, wireless communication, embedded systems and VLSI design.

Address for Correspondance

Mrs.B.Satya Sridevi
Assoc. Professor, ECE.
Email: sridevi.badireddy@aec.edu.in

ABOUT FDP

This FDP COVERS

- Dielectric constant of 4.7 and a thickness of 1.6 mm.
- A dipole antenna, with two
- conductive elements Radiation pattern approximating elementary electric dipole
- Patch and Smart Antenna Design.
- Directivity (D), Gain in dB VSWR is compared with the previously measured techniques.
- Micro Strip Patch Antenna.
- Feeding Techniques.

OBJECTIVES

The main objective of the Program is:

- The programme is designed to enhance the learning and research skills of the participants, to make them aware about modern analytical tools and methodologies.
- To acquire knowledge about current technological developments in relevant fields
- The programme mainly focuses on Deep Learning Algorithms for solving real world problems

RESOURCE PERSON

1. **Mr.M.Harinath Reddy**, Sr.Engineer, Em Electronix Private Limited, Bangalore.
2. **Mr.K.Ramesh**, Test Engineer, AVR Electronics Pvt Limited, Bangalore.
3. **Mr.Santhosh L.N** Design Engineer, AVR Electronics Pvt Limited, Bangalore.
4. **Sandeep Krishna**, R&D Engineer, AVR Electronics Pvt Limited, Bangalore.

S. K. R.
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04-02-2021

CIRCULAR

All the faculty members of ECE are hereby informed that the department of Electronics and Communication Engineering is organizing a Six-Days Faculty Development Programme on **"Recent Trends in Microwave and Antenna Technology"** from 08-02-2021 to 13-02-2021. Hence, the interested faculty from ECE are advised to register their names with the programme coordinator **Ms.B.Satya Sri Devi**, Assoc. Professor, Department of ECE on or before 06-02-2021.

Venue: Cotton Bhavan-108

Timings: 9:30 AM to 3:30 PM

Head Of The Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

Surampalem
Aditya Engineering College
Surampalem
Aditya Engineering College



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

"FDP on Recent Trends in Microwave and Antenna Technology"

During 08-02-2021 and 13-02-2021

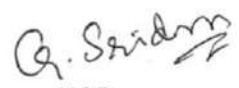
S.No.	Name	FN 08-02- 2021	AN 08-02- 2021	FN 09-02- 2021	AN 09-02- 2021	FN 10-02- 2021	AN 10-02- 2021	FN 11-02- 2021	AN 11-02- 2021	FN 12-02- 2021	AN 12-02- 2021	FN 13-02- 2021	AN 13-02- 2021
1.	Mr.S.Jagadeesh												
2.	Mr. M.Visweswara												
3.	Mr.Talla Srinivasa												
4.	Mr.V.Satyanarayana												
5.	Ms. G. Jyothirmai												
6.	Ms.N.Radha												
7.	Mr. Manda Rajasekhar												
8.	Mr. Penumatchi Bujji												
9.	Mr. Birudoju Bhagath												
10.	Mr. Murrey Neeladri												
11.	Mr. Peteti Bala												
12.	Ms. Kadali Devi												
13.	Ms. Katta Pavani												
14.	Mr. Satti Hari												
15.	Mr. Gangu Ramanaidu												
16.	Ms. K.Divya Madhuri												
17.	Ms. K.chandra Lekha												
18.	Ms. S.Manansa Reddy												
19.	Mr. J.Satya Narayana												
20.	Mr.K.Ayyappa Swamy												
21.	Arunadevi Jawahar												
22.	Mr. Koteswara Rao												
23.	Mr. I V N Srinivas												
24.	Mr. N.Rajakumar												
25.	Mr. B.V. Mahesh												
26.	Ms. S. Sridevi												
27.	Mr.M.Santosh												
28.	Mr.I.Ramesh Babu												
29.	Mr.N.S.Gupta												
30.	Mr. Kosana Suresh												
31.	Ms. B. Syamala Devi												
32.	Mrs.V.Ragha veni												
33.	Ms. N. Sridevi												
34.	Mr. K.Satya Suresh												
35.	Mr. B. S.Srinivas Nair												
36.	Mr.V.Vamsi												

CO-ORDINATOR

PRINCIPAL
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37.	Ms.V.Chandini	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC	VC
38.	Mr. K.Srinu Babu	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
39.	Mr. K.Manikanta	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM
40.	Mr. K.N.Mahesh Krishna	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM	KM
41.	Mr.K.Sasikanth	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS	KS
42.	Mr.K.Kumar Raja	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR	KR


CO-ORDINATOR


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


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Department of Electronics and Communication Engineering

Date: 13-02-2021

Report on

A 6-Days FDP on "Recent Trends in Microwave and Antenna Technology"

Title: FDP on "Recent Trends in Microwave and Antenna Technology"

Introduction to Event:

A 6-Days Faculty Development Programme on "Recent Trends in Microwave and Antenna Technology" was conducted at Aditya Engineering College (A), Surampalem by the department of ECE to make faculty learn how to The program intends to present the methodology for the design and development of the components at Microwave and Millimetre Wave Frequencies. It attempts to provide a timely update on latest trends, technologies and tools in RF and Microwave domain. The curriculum will present the techniques for design, modelling and fabrication of different types of basic antennas. Keeping this in view, the department has organized this Faculty Development programme for the benefit of the faculty.

Event Dates: 08-02-2021 to 13-02-2021

Number of Days: 6 days

Co-ordinator: Mr.G.Sridevi, Assoc. Professor, Department of ECE.

Agenda/Event Flow:

Providing a timely update on latest trends, technologies and tools in RF and Microwave domain

No. of Participants: 42

Experts with Designation: Dr.G.Rama Krishna, Assoc Professor & HOD,

Experts' Profile:

Dr.G.Rama Krishna, Assoc Professor & HOD Experienced Mentor with a demonstrated history of working in the education management industry. Skilled in Lecturing, Mat-lab, Data Analysis, Science, and Research. Strong professional with a Ph.D. focused in Control System from Thapar Institute of Engineering and Technology.

Venue: Project Lab (Room No: 107)

S.H.
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SURAMPALAM

Hospitality/Accommodation: Yes

Staffing:

1. Mrs.B.S.Sridevi, Assoc. Professor
2. Mr.M.Neeladri, Asst. Professor

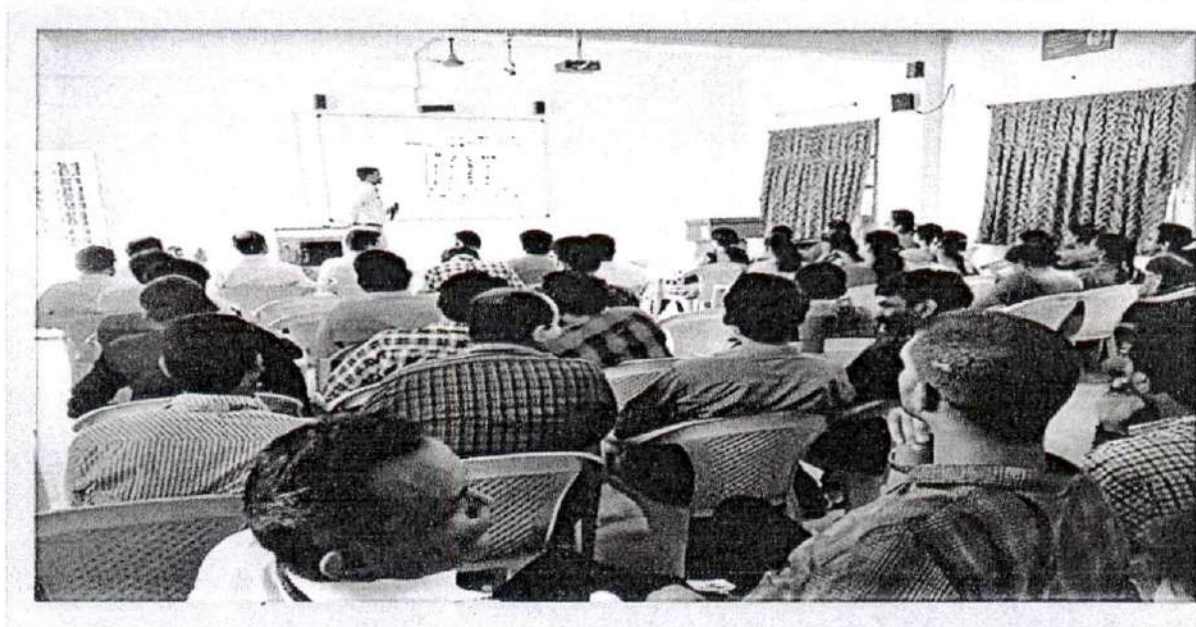
Outcomes:

- Participants have become familiarized with Microwave and Millimeter Wave Frequency
- Participants applied the knowledge gained in RF and Microwave domain.

Conclusive Remarks:

This 6-Days programme was conducted successfully fulfilling the goal of making faculty from ECE department learn the program intends to present the methodology for the design and development of the components at Microwave and Millimetre Wave Frequencies. It attempts to provide a timely update on latest trends, technologies and tools in RF and Microwave domain. The curriculum will present the techniques for design, modelling and fabrication of different types of basic antennas. This learning experience covered a wide breadth of topics Analog/Mixed Signal simulation framework and GUI

Photo:



[Signature]
Coordinator

[Signature] PRINCIPAL
Aditya Engineering College
SURAMPALM

[Signature]
Head of the Department
Head of the Department
Department of E.C.E.
Aditya Engineering College (A9)

**A Five day online FDP
on**

**“Recent trends in food processing and
preservation technologies”**

REGISTRATION FORM

1. Name:
2. Designation:
3. Highest Qualification:
4. Specialization:
5. Department:
6. Institution:
7. Address for communication:
.....
.....
- Pin Mobile:
- E-mail:
8. Experience (Number of years):
Teaching: Industry:
10. Whether accommodation needed (Yes/No)
11. DD-No and date:

Signature
(Participant)

(Head of the Institution)

Chief Patron

Sri. N.Sesha Reddy,
Chairman,
Aditya Educational Group

Patron

Sri. N.Satish Reddy,
Vice-Chairman,
Aditya Educational Group

Chairman

Dr. M. Srinivasa Reddy
Principal

Convener

Dr. N V Gowtham Deekshithulu
HOD, Dept. of Ag.E

Coordinators

Mr. Y. Rajkumar,
Asst. Professor, Dept. of Ag.E

Organizing Committee

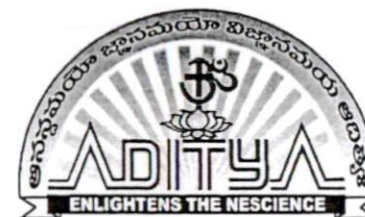
Mr. V. Sai Krishna,
Asst. Professor, Dept. of Ag.E

Mr. Y. V Krishna Reddy
Asst. Professor, Dept. of Ag.E

**A Five day online FDP
on**

**“Recent trends in food processing and
preservation technologies”**

05th – 09th, April 2021



Department of
Agricultural Engineering

ADITYA ENGINEERING COLLEGE

(Approved by AICTE, Affiliated to JNTUK)
Recognized by UGC under section 2(f) & 12(b) of UG act, 1956
Accredited by NAAC with "A" grade
Aditya Nagar, ADB Road, Surampalem - 533 437

Phone: 08011-919193

Email: hod_age@aec.edu.in



PRINCIPAL
Aditya Engineering College
SURAMPALAM

ABOUT ADITYA ENGINEERING COLLEGE

Aditya Engineering College was established in the academic year 2001-02 under the aegis of Aditya Academy, Kakinada with the approval of AICTE and Affiliated to JNTU with an intake of 180 in three UG Courses in Engineering & Technology.

The College is situated in an eco-friendly area of 180 acres with thick greenery at Surampalem, Gandepalli Mandal, East Godavari District, Andhra Pradesh. The College is 15 KM away from Samalkot Railway Station on Howrah-Chennai Railway line in South Central Railway. The College is 35 Km away from Kakinada and Rajahmundry on ADB Road.

The College has four academic Buildings with a total carpet area of 44,524 Sq. Mts. apart from two boys hostels and one girls hostel buildings.

ABOUT DEPARTMENT OF AGRICULTURAL ENGINEERING

Aditya Engineering College established the Department of Agricultural Engineering (Ag. E) in 2014 with an initial intake of 60 students. The department has the professional association with research centers. The skilled faculty members with high qualification are dynamic in teaching, research consultancy programs.

ABOUT FDP

In India the food processing sector suffers from several bottlenecks leading to an estimated wastage of 25-30 percent of agriculture produce. Realizing the need for improving capacity of the food processing industry, there is urgent need of to use some of novel processing and preservation technologies that may result in economical and improved quality products..

Objectives

1. It helps to understand novel and advance aspects of food processing and preservation methods and techniques that can contribute to the development of value added food products.
2. Familiarize with emerging technologies in the field of food processing and preservation and their effects on quality and safety of a wide array of foods coupled with consumer demand for healthy and nutritious food.

RESOURCE PERSON

Dr. K. Ram Prasad
Assistant Professor
A.M. Reddy Memorial College of Engineering & Technology.
Narasaraopet.

ELIGIBILITY

The course is open to faculty from AICTE approved Engineering colleges / Institutions and working professionals from Industries / R&D organizations with basic degree in relevant field of Agricultural Engineering.

REGISTRATION

Duly filled up registration form as per the format given in the brochure may be sent to the Coordinator so as to reach on or before **03 April 2021**. Registration is **free** for all.

Address for Correspondance

Mr. Y. Rajkumar
Asst. Professor, Ag.E,
Aditya Engineering College,
Surampalem.
E.G. Dist. A.P-533437
Mobile No. 9654085735.

Surampalem
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Aditya Engineering College
SURAMPALEM



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DEPARTMENT OF AGRICULTURAL ENGINEERING

Date: 23-03-2021

CIRCULAR

All the faculty members of Ag.E are hereby informed that the department of Agricultural Engineering is organizing a five day online Faculty Development Programme on "Recent trends in food processing and preservation technologies" from 05-04-2021 to 09-04-2021. Hence, the interested faculties from Ag.E are advised to register their names with the coordinator M. Y. Rajkumar, Asst. Professor, Department of Ag.E on or before 03-04-2021.

Venue: Microsoft Teams

Timings: 09:30 AM to 04:00 PM

N.V. Gadda
HOD

Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A9)

S. P. R. J.
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Aditya Engineering College
SURAMPALAM



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DEPARTMENT OF AGRICULTURAL ENGINEERING


Five day online FDP on "Recent trends in food processing and preservation technologies"

S. No.	Name of the Faculty	05-04-2021	06-04-2021	07-04-2021	08-04-2021	09-04-2021
1	Mr. Y Rajkumar	✓	✓	✓	✓	✓
2	Mr. V Sai Krishna	✓	✓	✓	✓	
3	Mr. Y Venkata Krishna Reddy	✓	✓		✓	✓
4	Ms. S Jhansi Lakshmi	✓	✓	✓	✓	✓
5	Ms. J Pavani	✓	✓	✓	✓	✓
6	Mr. B. Nageshwar Rao	✓	✓	✓	✓	
7	Mr. B. Krishna Kanth	✓	✓	✓	✓	✓
8	Mrs. CH. Wagdevi	✓	✓		✓	✓
9	Ms. J. Srisai Pallavi	✓	✓	✓	✓	✓
10	Ms. M. Sreenija	✓		✓	✓	✓
11	Dr. T. Pradhakar Rao	✓	✓	✓		✓
12	Dr. B. Madhu	✓	✓	✓	✓	✓


Coordinator


HOD

Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A9)


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DEPARTMENT OF AGRICULTURAL ENGINEERING

Date: 10.04.2021

Report on

A Five day Online Faculty Development Programme on "Recent trends in food processing and preservation technologies"

Title: Recent trends in food processing and preservation technologies

Introduction to Event:

A five Day Online Faculty Development Program on "Recent trends in food processing and preservation technologies" was conducted at Aditya Engineering College (A), Surampalem by the department of Ag.E to enhance the expertise of Ag.E faculty members in the area of Food Processing Engineering. The main objective of the program is to familiarize with emerging technologies in the field of food processing and preservation and their effects on quality and safety of a wide array of foods coupled with consumer demand for healthy and nutritious food.

Event Dates: 05-04-2021 to 09-04-2021

Number of Days: 5 days

Co-ordinator: Mr. Y. Rajkumar, Asst. Professor, Department of Ag.E.

Agenda/Event Flow:

Day-1: Pulsed Light Pasteurization of Fruit Juices

Day-2: Enhancing Nutritional Quality and Availability by Bio-fortification

Day-3: Product and Process discoveries in the progression of fundamental protein aggregation research

Day-4: Application of Fuzzy Logic in Food Processing

Day-5: Post-Harvest Technology of Food Grains for Loss Prevention & Value Addition

No. of Participants: 12

Resource Person:

Dr. K. Ram Prasad

Assistant Professor,

A.M. Reddy Memorial College of Engineering & Technology.

Narasaraopet..

Sr. G. 1
PRINCIPAL
Aditya Engineering College
SURAMPALAM

Resource Persons' Profile:

Dr. K. Ram Prasad,

Asst. Professor,

A.M. Reddy Memorial College of Engineering & Technology.

Narasaraopet..

Venue: Microsoft Teams

Hospitality/Accommodation: NO

Staffing:


Dr. Y. Rajkumar, Asst. Professor, Ag.E Department

Outcomes:

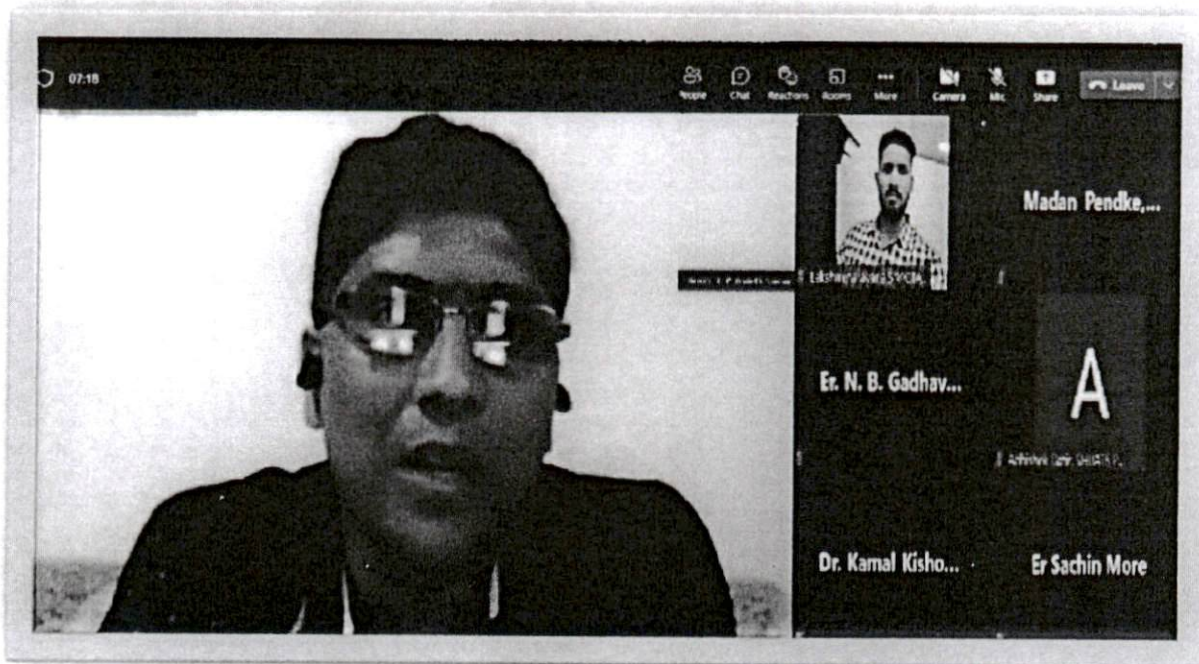
- To provided an overview of how and why different aggregated states of proteins occur, how this potentially impacts product quality and performance, fundamental approaches to control aggregate formation, and the practical approaches that are currently used in the industry engaged in development of health foods and nutraceuticals.
- Understand the urgent need for developing an efficient processing system to minimise the losses to attain the goal of enhancing the income of farmers

Conclusive Remarks:

Department of Agricultural Engineering organized an online FDP on "Recent trends in food processing and preservation technologies". Dr. K. Ram Prasad, was invited to be the resource person. Addressing the participants, he said that exploitation of innovative technologies and effective skill transfer are vital ingredients for the changing consumption patterns and food products popularity. All the faculty members who participated in the FDP were interactively associated with the resource person and cleared their doubts enthusiastically.


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Photos:



Dr. K. Ram Prasad explaining about food processing technologies


Coordinator


HOD

Head of the Department
Department of Agricultural Engineering
ADITYA ENGINEERING COLLEGE (A9)


PRINCIPAL
Aditya Engineering College
SRAMPALM

**A Five days Faculty
development program on
"Deep Learning using
Python"**

REGISTRATION FORM

1. Name:
2. Designation:
3. Highest Qualification:
4. Specialization:
5. Department:
6. Institution:
7. Address for communication:
.....
.....
.....
- Pin: Mobile:
- E-mail:
8. Experience (Number of years):
- Teaching: Industry:
10. Whether accommodation needed (Yes/No)
11. DD No and date:

Signature

Chief Patron

Sri. N.Sesha Reddy,
Chairman,
Aditya Educational Group

Patron

Sri. N.Satish Reddy,
Vice-Chairman,
Aditya Educational Group

Principal

Dr. M.Srinivasa Reddy
Principal

Head of The Department

Mrs. Dokiburra Beulah
HOD, Dept of MCA

Coordinators

T. Satya Chellayi,
Assoc. Professor, Dept. of MCA

N.V.S. Murthy,
Asst. Professor, Dept. of MCA

Organizing Committee

Baliredi Ramesh,
Asst. Professor, Dept. of MCA

Hanumantu Gautam,
Asst. Professor, Dept. of MCA

V. V. Gopala Rao,
Asst. Professor, Dept. of MCA

**A Five days Faculty
development program
on
"Deep Learning Using Python"**

15th -19th, March 2021




**Department of
Master of Computer Applications**

ADITYA ENGINEERING COLLEGE
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Recognized by UGC under section 2(f) & 12(b) of UG act, 1956
Accredited by NAAC with "A" grade
Aditya Nagar, ADB Road, Surampalem - 533 437

Phone: 08011-919193

Email: hod_mca@aec.edu.in


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ABOUT ADITYA ENGINEERING COLLEGE

Aditya Engineering College was established in the academic year 2001-02 under the aegis of Aditya Academy, Kakinada with the approval of AICTE and Affiliated to JNTU with an intake of 180 in three UG Courses in Engineering & Technology.

The College is situated in an eco-friendly area of 180 acres with thick greenery at Surampalem, Gandepalli Mandal, East Godavari District, Andhra Pradesh. The College is 15 KM away from Samalkot Railway Station on Howrah-Chennai Railway line in South Central Railway. The College is 35 Km away from Kakinada and Rajahmundry on ADB Road.

The College has four academic Buildings with a total carpet area of 44,524 Sq. Mts. apart from two boys hostels and one girls hostel buildings

ABOUT DEPARTMENT OF MASTER OF COMPUTER APPLICATION

The Department was established in the year 2004 with intake of 60. The department accredited by NAAC in the year 2015. Department has well experienced and qualified faculty. The department aims at promoting quality and value based education by harnessing the skills of students, creating awareness on the advancements in Computer Applications and preparing them for the agile industry. The department is offering UG & PG (CS, CSE & SE) programmes.

ABOUT PROGRAMME

Deep learning (ML) is a type of artificial intelligence that allows software applications to become more accurate at predicting outcomes without being explicitly programmed to do so. Deep learning algorithms use historical data as input to predict new output values.

In this FDP, we will learn about the following concepts: Introduction of Machine Learning and Deep Learning, AI vs ML, Applications of Deep Learning.

Overview of Python for Data Science, Python packages for Data Science numpy, pandas. Data Preprocessing with python, Introduction to Supervised Learning Algorithms, K-NN, SVM, Decision Trees. Un-supervised Learning Algorithms, K- Means Clustering, Hierarchical Clusterin. Semi-Supervised Algorithms, Reinforcement Learning. Case studies using python, Future Directions in Deep Learning

RESOURCE PERSON

M. Silva Ram Krishna
Assoc. Professor,
Department of CSE,
National Institute of Technology,
Warangal, TS, India

ELIGIBILITY

The course is open to faculty from AICTE approved Engineering colleges / Institutions and working professionals from Industries / R&D organizations with basic degree in relevant field of Electrical Engineering.

REGISTRATION

Duly filled up registration form as per the format given in the brochure may be sent to the Coordinator so as to reach on or before 12th March 2021. Registration is free for all.

ACCOMMODATION

Accommodation will be provided on request on first-come first-serve basis. For further information, please contact the Coordinator.

Address for Correspondance

T. Satya Chellayi,
Assoc. Professor, MCA Department,
Aditya Engineering College,
Surampalem.
E.G. Dist. A.P-533437
Mobile No. 8500651724.


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Department of Master of Computer Applications

Date: 05.03.2021

CIRCULAR

All the faculty members of MCA are hereby informed that the department of Masters of Computer Applications is organizing a 5-Day Faculty Development Programme on "Deep Learning using Python" from 15-03-2021 to 19-03-2021. Hence, the interested faculty from MCA, CSE, and IT are advised to register their names with the programme coordinator Mrs. T. Satya Chellayi, Assoc. Professor, Department of MCA on or before 12-03-2021.

Venue: Cotton Bhavan-208

Timings: 9:30 AM to 3:30 PM

Head of the Department

Head of the Department
Department of MCA
Aditya Engineering College

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

FDP on Deep Learning using Python

ATTENDANCE LIST

S.NO.	NAME OF ATTENDEES	COLLEGE	15-03-2021	16-03-2021	17-03-2021	18-03-2021	19-03-2021
1	Mrs. Dokiburra Beulah	AEC Surampalaem	Beulah	Beulah	Beulah	Beulah	Beulah
2	Mr. Marni Srinu	AEC Surampalaem	Srinu	Srinu	Srinu	Srinu	Srinu
3	Mr. N. Venkata Satyanarayana Murthy	AEC Surampalaem	N.Venkata	N.Venkata	N.Venkata	N.Venkata	N.Venkata
4	Mrs. T. Satya Chellayi	AEC Surampalaem	T.Satya	T.Satya	T.Satya	T.Satya	T.Satya
5	Mr. Hanumantu Gautam	AEC Surampalaem	Gautam	Gautam	Gautam	Gautam	Gautam
6	Mr. Sri Satya Sudhir Reddy	AEC Surampalaem	Satya	Satya	Satya	Satya	Satya
7	Mr. Balireddi Ramesh	AEC Surampalaem	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh
8	Mr. Gokeda Simhadri	AEC Surampalaem	Simhadri	Simhadri	Simhadri	Simhadri	Simhadri
9	Mr. M. Kalyan Ram	AEC Surampalaem	M.K.Ram	M.K.Ram	M.K.Ram	M.K.Ram	M.K.Ram
10	Mr. N. Siva Kumar	AEC Surampalaem	N. Siva	N. Siva	N. Siva	N. Siva	N. Siva
11	Mr. V. Ravi Kishore	AEC Surampalaem	Ravi	Ravi	Ravi	Ravi	Ravi
12	Mrs. T. Sudharani	AEC Surampalaem	T. Sani	T. Sani	T. Sani	T. Sani	T. Sani
13	Ms. N. Akhila	AEC Surampalaem	N. Akhila	N. Akhila	N. Akhila	N. Akhila	N. Akhila
14	Mr. K. Govinda Raju	AEC Surampalaem	Raju	Raju	Raju	Raju	Raju
15	Mr. G. Srinivas	AEC Surampalaem	Srinivas	Srinivas	Srinivas	Srinivas	Srinivas
16	Mr. P. Udayakumar	AEC Surampalaem	Udaya	Udaya	Udaya	Udaya	Udaya
17	Mr. Kinjarapu Anandakumar	AEC Surampalaem	Anand	Anand	Anand	Anand	Anand
18	Mr. Chada Udaya Bhaskar	AEC Surampalaem	Udaya	Udaya	Udaya	Udaya	Udaya
19	Mr. Phani Sridhar Addepalli	AEC Surampalaem	Phani	Phani	Phani	Phani	Phani
20	Mr. Venkatesh Maganti	AEC Surampalaem	Venkatesh	Venkatesh	Venkatesh	Venkatesh	Venkatesh
21	Ms. Kamparapu Devi Priya	AEC Surampalaem	Priya	Priya	Priya	Priya	Priya
22	Mr. Rajakala Jatadi	AEC Surampalaem	R. Jatadi	R. Jatadi	R. Jatadi	R. Jatadi	R. Jatadi
23	Ms. Swarnalatha Garapati	AEC Surampalaem	Garapati	Garapati	Garapati	Garapati	Garapati
24	Mr. Ravi Kishore Veluri	AEC Surampalaem	Ravi	Ravi	Ravi	Ravi	Ravi
25	Mr. Lakshmana Kumar Kurumeti Nagasurya	AEC Surampalaem	Nagasurya	Nagasurya	Nagasurya	Nagasurya	Nagasurya
26	Ms. Aparna Ganni	AEC Surampalaem	Aparna	Aparna	Aparna	Aparna	Aparna

T. Satya
coordinator

PRINCIPAL

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SURAMPALAM - 533 437

27	Ms. A S S D Toyaza	AEC Surampalaem	S. Toyasa	S. Toyasa	S. Toyasa	S. Toyasa	S. Toyasa
28	Ms. Sarita Kilarapu	AEC Surampalaem	Sarita	Sarita	Sarita	Sarita	Sarita
29	Mr. Siddanathi Veera Venkata Durga Jagadeesh	AEC Surampalaem	Q	Q	Q	Q	Q
30	Ms. Vydehi Kasichainula	AEC Surampalaem	K. vydehi	K. vydehi	K. vydehi	K. vydehi	K. vydehi
31	Mr. Ravi Shankara Subrahmanya Raju Battula	AEC Surampalaem	Ravi	Ravi	Ravi	Ravi	Ravi
32	Mr. Grandhi Siva Shankar	AEC Surampalaem	Siva	Siva	Siva	Siva	Siva
33	Ms. Devi Bondada	AEC Surampalaem	Devi	Devi	Devi	Devi	Devi
34	Mr. Tirupathi Rao Gullipalli	AEC Surampalaem	Tirupathi Rao	Tirupathi Rao	Tirupathi Rao	Tirupathi Rao	Tirupathi Rao
35	Ms. Srilatha Pediredla	AEC Surampalaem	Srilatha	Srilatha	Srilatha	Srilatha	Srilatha
36	Ms. Sadineni Neelima	AEC Surampalaem	S. Neelima	S. Neelima	S. Neelima	S. Neelima	S. Neelima
37	Mr. Kalyan Chakravarthy Antharaju	AEC Surampalaem	Kaleth	Kaleth	Kaleth	Kaleth	Kaleth
38	Ms. Sunkara Sushma	AEC Surampalaem	Sushma	Sushma	Sushma	Sushma	Sushma
39	Ms. Indira Spandana Singetham	AEC Surampalaem	S. S. Indira	S. S. Indira	S. S. Indira	S. S. Indira	S. S. Indira
40	Dr. Nannababu Palla	AEC Surampalaem	Nannababu	Nannababu	Nannababu	Nannababu	Nannababu

T. Satya
Co-Ordinator

B. Subrah
Head of the Department
Head of the Department
Department of MCA
Aditya Engineering College

S. V.
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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Date:19-03-2021

Report on

A Five day Faculty Development Program On "Deep Learning Using Python"

Title: Deep Learning using Python

Introduction to Event:

A five Day Faculty Development Program on "Deep Learning using Python" was conducted Aditya Engineering College (A), Surampalem by the department of MCA, to enhance the expertise of MCA, CSE& IT faculty members in the area of Deep learning. The main objective of the program is to enhance the learning and research skills of the participants in deep learning and to make them aware about modern tools used in deep learning. The program mainly focuses on Deep Algorithms for solving real world problems.

Event Dates: 15-03-2021 to 19-03-2021

Number of Days: 5 days

Co-ordinator: Mrs. T. Satya Chellayi , Asst. Professor, Department of MCA.

Agenda/Event Flow:

Day-1: Day-1: Introduction of Machine Learning and Deep Learning, AI vs ML, Applications of Machine Learning

Day-2: Overview of Python for Data Science, Python packages for Data Science numpy, pandas

Day-3: Data Preprocessing with python, Introduction to Supervised Learning Algorithms, K-NN, SVM, Decision Trees

Day-4: Un-supervised Learning Algorithms, K- Means Clustering, Hierarchical Clustering, Semi-Supervised Algorithms

Day-5: Reinforcement Learning ,Case studies using python, Future Directions in Deep Learning

No. of Participants: 40


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Resource Person: M. Siva Ram Krishna,
Assoc. Professor
Department of CSE,
National Institute of Technology, Warangal, TS,

Resource Persons' Profile:

M. Siva Ram Krishna Assoc. Professor completed B.Tech (CSE) in Jawaharlal Nehru Technological University, Hyderabad and M.Tech (CST) in Andhra University, Visakhapatnam. He is working as Associate Professor, Department of Computer Science and Engineering in National Institute of Technology, Warangal. His areas of interest are Distributed data mining, Big Data Analytics, Web Mining, Text Mining, Urban Computing, Social Media Analysis, Natural Language Processing etc.

Venue: BGB Seminar Hall (Room No: 208)

Hospitality/Accommodation: Yes

Staffing:

N. Venkata Satyanarayana Murthy, Assoc. Professor, MCA Department

Outcomes:

- Understand basics of Deep learning
- Implement classification and regression problems using Deep learning algorithms.
- Implement supervised, unsupervised learning algorithms using python
- Implement semi-supervised learning algorithms using python..

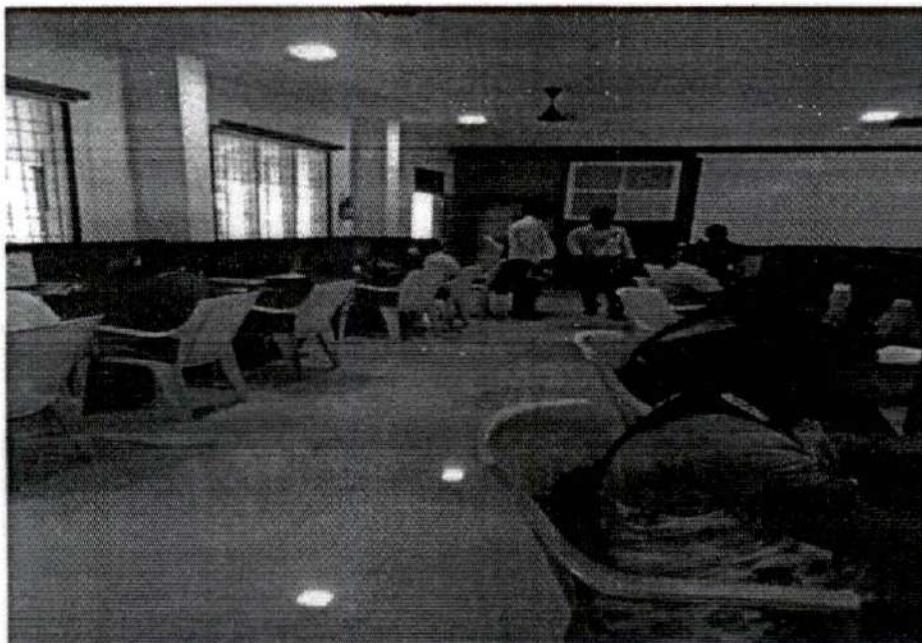
Conclusive Remarks:

Department of MCA organized an FDP on "Machine Learning". Dr. Tene Ramakrishnudu, Asst. Professor, Department of CSE, NIT Warangal was invited to be the resource person. The resource person provided great insight into the area of Machine Learning and its applications. The FDP mainly focuses on practical aspects of machine learning using various tools like Anaconda, Google Colab, etc. All the faculty members who participated in the FDP were interactively associated with the resource person and cleared their doubts enthusiastically.

Photos:


PRINCIPAL
Aditya Engineering College
SURAMPALEM

Photos:



J. Chelayi
Coordinator

Benuh
Head of the Department
Head of the Department
Department of MCA
Aditya Engineering College

Sul
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