



COLLEGE OF ENGINEERING

Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

Professional development /administrative training programs organized by the institution for teaching and non-teaching staff

Academic Year 2022 – 2023

Sno	Teaching / Non-Teaching	Title of Event	From Date	To Date	No. of Faculty members benefited
1	Teaching	Faculty Development Program on DATA SCIENCE	01/08/2022	05/08/2022	15
2	Teaching	Short Term Training Programme on Antenna Design: Future Trends and New Applications	01/08/2022	05/08/2022.	11
3	Teaching	Awareness program on NBA's Outcome based Education	08/11/2022	09/11/2022	48
4	Teaching	A Two Day Short Term Training programme on "Research Trends in Antenna Design and Beyond Applications"	5/12/2022	6/12/2022	11
5	Teaching	A Five Days online FDP on "Exploring Research using SEM & XRD"	19/12/2022	23/12/2022	14
6	Non-Teaching	Modern Trends in Refrigeration and Air Conditioning	03/01/2023	07/01/2023	04
7	Teaching	Machine Learning and Deep Learning	23/01/2023	28/01/2023	15
8	Teaching	IPR, PATENT and Design Filing-Awareness webinar	17/02/2023	17/02/2023	104



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27, Thayanur, Trichy - 620009

Department of Computer Science and Engineering

**Five Days Online FDP on DATA SCIENCE
(01-Aug-2022 to 05-Aug-2022)**

REPORT

Five days online Faculty Development Program on “**DATA SCIENCE**” was organized from **01-Aug-2022 to 05-Aug-2022** by the department of Computer Science and Engineering. This is a syllabus oriented FDP that covers the Course “Fundamentals of Data Science” which comes under Anna University Curriculum . The main aim of organizing this FDP is to make familiarize the faculty members with topics of Data Science subject along with Hands on sessions.

FDP was inaugurated on 01.08.2022 at 10.00 AM by Our Principal **Dr.S. Shanthi** and presentation session was initiated by **Dr. Anand Kumar P, Roots IT Learning Centre**, Trichy. During those five days ten sessions were conducted. All sessions were interesting and interactive sessions. At the end of each day feedback was received from participants and participants were assessed at the last day of FDP with 30 MCQ through online. Online certificate was distributed to participants based on assessment.

For this FDP Event convener was **Dr. J.Suresh** Assoc. Prof. & Head / CSE and event coordinators were Mrs. **V.Gomathi, AP/ CSE** and Mrs. **R.Sasikala, AP/CSE**. FDP was successfully organized and completed through various committees of our department faculty members.

ABOUT THE FDP

Data science is one the core subject that comes under the new department Artificial Intelligence & Data Science. As this AI&DS branch is more preferable and fast growing area in this era, it is mandatory to update the knowledge on Data Science for all. This FDP is aimed to make acquainted the concepts and techniques of Data science to all faculty members. This syllabus oriented FDP covers both theory and practical.

Theory Session :

- Fundamental of Data Science
- Describing Data I
- Python for Data Handling
- Describing Data II
- Python for Data Visualization



Practical Session :

- To make familiarize the libraries of Python such as Numpy, Scipy, Matplotlib, Pandas, statmodels, seaborn, plotly, bokeh.
- To Apply data science concepts and methods to solve problems in real-world contexts and write programs using python tools.

Resource Persons

Sessions will be handled by persons from renowned institutions and industries

INFORMATION TO APPLICANTS

Eligibility

Faculty from Technical institutions, PG students and Research scholars can apply.

Mode of FDP

Online mode. Link will be shared after registration.

Registration Fees

Registration Fees - Rs.300/-
(For Faculty members, PG students and Research scholars)

Registration Link:

<https://forms.gle/oJRaE64RBoVmUPt8>

Important Dates:

Last Date for Registration : 29.07.2022
Intimation of Selection : 30.07.2022

How to Apply:

The applicants should send their registration form using the link along with Screen Shot of Payment.

Payment Through

Google pay No :9994441744

Or

Pay the Fees in

Account No : 50100260130546

Name of the Account : J Suresh

Bank Name : HDFC

IFSC code : HDFC0005880



CARE COLLEGE OF ENGINEERING

FIVE DAYS ONLINE FDP

On

DATA SCIENCE

[Syllabus Oriented – Theory & Practical]

[01-Aug-2022 to 05-Aug-2022]

In Association with

IEEE CARE STUDENT BRANCH MADRAS SECTION



Convener

Dr. J. SURESH, HoD-CSE



Organized by

Department of Computer Science and Engineering

CARE COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to Anna University)

27, Thayanur, Trichy - 620009

Website : www.care.ac.in

ABOUT THE INSTITUTION

The dynamic, rapidly growing and echo friendly "CARE College of Engineering" was started its step in the year of 2009 under the trust G.Narayanan Educational Trust. It is affiliated to Anna University, Chennai with the approval of AICTE. CARE offers application-oriented courses with hands-on training in one of the most conducive learning environments in India. It inculcates the value of life beyond curriculum and explores the full potential of students.

CARE believes in partnerships between Industry, Government, and Higher Education to yield countless innovations. Our faculty value corporate partnerships for the insights they contribute as much as for the support they provide. The trust's vision includes

- Offering Quality Education
- Providing World Class Infrastructure
- Fostering Creative Thinking
- Encouraging Innovation
- Creating the best Ambience for Education & Research.
- Multi-Disciplinary Education

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering at CARE College of Engineering was formed in the year 2011 to combine an outstanding research environment with world- class teaching. The department has a comprehensive curriculum framed by Anna University on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning. The course structure includes courses on nascent topics to prepare our students for the latest development in computer science and engineering.

The department has state-of-the-art infrastructure and computing equipment supported by high-speed Ethernet. Various student organizations like CSSA, Networking Club, Web Development Clubs and Mobile App Development Club are active throughout the year. Our faculty members aim at delivering top class education, blending their rich research experience with classroom teaching.

Courses Offered

- B.E.-Computer Science and Engineering
- B.Tech- Artificial Intelligence and Data Science
- M.E.- CSE (Artificial Intelligence and Machine Learning)

ORGANIZING COMMITTEE

CHIEF PATRON:

Shri. B. Prative Chend,
Chief Executive Officer(CEO),
CARE Group of Institutions,Trichy.

PATRON:

Dr. S. Shanthi,
Principal,
CARE College of Engineering, Trichy.

Dr. A. Pasumpon Pandian,
Dean R&D,
CARE College of Engineering, Trichy.

Convener:

Dr. J. Suresh,
Associate Professor and Head,
Department of CSE,
CARE College of Engineering, Trichy

Co-ordinators:

Mrs. V. Gomathi, AP/CSE
Mrs. R. Sasikala, AP/CSE

Contact:

Mrs. V.Gomathi,
Assistant Professor / CSE,
CARE College of Engineering,
#27, Thayanur,Trichy-620009.
Mobile: 9788522652, 7010617120
E mail: vgomathi@care.ac.in



FDP SESSION WISE SCHEDULE (1-Aug-2022 to 05-Aug-2022)

Sno	Date	Session1 (FN) 10.00 AM -12.00 Noon	Session2 (AN) 2.00 PM to 4.00 PM
1	01-08-2022	<p><u>Inauguration & Presentation</u> Dr. Anand Kumar Prakasam Director, ROOT - IT Learning Centre and Research Consultancy, Trichy.</p> <p><u>Topics:</u></p> <ul style="list-style-type: none"> • Introduction on Data Science, Roles and Responsibilities of Data Scientist, Job Opportunities 	<p>Dr. Neela K L, Assistant Professor & HOD (i/c) Department of CSE University College of Engineering, Thirukkuvilai.</p> <p><u>Topics :</u></p> <ul style="list-style-type: none"> • Needs and Benefits of Data Science, Data Science with Cloud
2	02-08-2022	<p>Dr. Vasanthi N A, Professor, Department of CSE Athithya Institute of Technology, Coimbatore</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Introduction of Inferential and Descriptive statistics , Frequency Distributions 	<p>Dr. P. Sujatha , Associate Professor & Head, Department of CSE Sudharsan Engineering college , Pudukkottai</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Calculations of central tendency (Qualitative Data and Quantitative Data), Variability, Basics of Interquartile range
3	03-08-2022	<p>Dr. Umamaheshwari P, Associate Professor, Department of CSE Anna University, Chennai</p> <p><u>Topics :</u></p> <ul style="list-style-type: none"> • Python for Data Science - Numpy 	<p>Dr. Deepan P, Associate Professor, Department of CSE (AI & ML), St. Martin's Engineering College Secunderabad, Telangana</p> <p><u>Topics :</u></p> <ul style="list-style-type: none"> • Python for Data Science - Pandas
4	04-08-2022	<p>Dr. Santhosh Kumar R, Associate Professor & Head, Department of AI & DS, St. Martin's Engineering College (Autonomous) Secunderabad, Telangana</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Describing Data II - Normal Distribution, Co relation 	<p>Dr. Ramya R, Associate Professor, Department of CSE, Kamaraj College of Engineering & Technology, Virudhunagar ramyacse@kamarajengg.edu.in</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Describing Data II – Regression
5	05-08-2022	<p>Dr. Hema C , Assistant Professor (Sr. Gr.), B.S.Abdur Rahman Crescent Institute of Science & Technology Deemed to be University, Vandalur, Chennai</p> <p><u>Topics</u></p> <ul style="list-style-type: none"> • Data Visualization with Matplotlib 	<p><u>Hands-on session & Validictory</u> Dr. Akila S, Founder and Director, App-Angadi, Mobile Design and Development Studio, Trichy</p> <p><u>Hands on Training</u></p> <ul style="list-style-type: none"> • Numpy, Pandas, Matplotlib, Seaborn, Regression & corelation

**Five Days Online FDP on DATA SCIENCE
(01-Aug-2022 to 05-Aug-2022)**

List of Internal Participants

Sno	Name	Designation	Department
1.	Dr.J.Suresh	Associate Professor	CSE
2.	Mrs.R.Sasikala	Assistant Professor	CSE
3.	Mrs.V.Gomathi	Assistant Professor	CSE
4.	Mr.K.Mahadevan	Assistant Professor	CSE
5.	Mr.M.Mohamed Nizarudeen	Assistant Professor	CSE
6.	Mrs.F.Shakilabanu	Assistant Professor	CSE
7.	Dr. Arul Sindhya J	Associate Professor	CSE
8.	Mrs.M.Anitha	Assistant Professor	CSE
9.	Mrs.M. Vijayalakshmi	Assistant Professor	CSE
10.	Mr.C. Muthukumaran	Assistant Professor	CSE
11.	Mrs. Anne Pratheepa R	Assistant Professor	CSE
12.	Mrs.T.Amutha	Assistant Professor	AI&DS
13.	Mr.K.Saravanan	Assistant Professor	AI&DS
14.	Ms.N.Parveen Banu	Assistant Professor	AI&DS
15.	Mrs.V.Ranjani	Assistant Professor	AI&DS

FDP Photos

meet.google.com/hyz-biim-tvn?pli=1

Dr. Anandkumar Prakasam is presenting

Bottled Mango Juice vs Fresh Mango Juice

Which one will you choose?

Series Tests ⇒ Bottled ⇒ Fresh Mango ⇒ Artificial Flavour ⇒ Reliable

Tests ⇒ Healthy ⇒ Natural Edible Chemical

Why? How? What? Why? How?

Ads ⇒ Decision Influenced ⇒ Data ⇒ Structured ⇒ Natural ⇒ Critical ⇒ Refined ⇒

Oil Data ⇒ Cold Pressed ⇒ 30 ⇒ 60 ⇒ 160 ⇒ 360

10:33 AM | hyz-biim-tvn

meet.google.com/hyz-biim-tvn

Dr. P. Sujatha Jayapal is presenting

GRAPHS – QUANTITATIVE DATA

Features of Histograms

- Equal units along the X axis
 - reflect the various class intervals of the frequency distribution.
- Equal units along the Y axis
 - reflect increases in frequency
- The intersection of the two axes
 - defines the origin (0,0).
- Numerical scales always increase
 - from left to right along the horizontal axis
 - from bottom to top along the vertical axis
- The body of the histogram consists of a series of bars
 - whose heights reflect the frequencies for the various classes

2:11 PM | hyz-biim-tvn



CERTIFICATE
Of Participation

This is to Certify that

Mrs. R. Sasikala AP/CSE

of CARE college of Engineering, Trichy for

his/her successful participation in the five days ONLINE FDP on DATA SCIENCE organized by the Department of Computer Science and Engineering in association with IEEE Madras

Section from 01/08/2022 to 05/08/2022 at CARE College of Engineering, Trichy.


HOD




PRINCIPAL



CERTIFICATE
Of Participation

This is to Certify that

Mr. M. Mohammed Nizarudeen AP/CSE

of CARE college of Engineering, Trichy for

his/her successful participation in the five days ONLINE FDP on DATA SCIENCE organized by the Department of Computer Science and Engineering in association with IEEE Madras

Section from 01/08/2022 to 05/08/2022 at CARE College of Engineering, Trichy.


HOD




PRINCIPAL

CARE

COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009

Department of Electronics and Communication Engineering

A Five day STTP on
Antenna Design : Future Trends and New Applications
01.08.2022 to 05.08.2022.

Department of Electronics & Communication engineering of CARE College of Engineering in association with IEEE CARE student branch organized A Five day STTP on “Antenna Design : Future Trends and New Applications” in online mode from 01.08.2022 to 05.08.2022.

The STTP focused on the recent research issues, challenges, Future Trends and new applications in antenna design. The programme started on August 01, 2022 by 10.30 am with the welcome address by Ms.Raja Rajeshwari of IV ECE Student. The dignitaries during the session were Dr.S.Shanthi, Principal CARE College of Engg, Dr.S.Raghavan NIT, Trichy felicitated the function by giving the opening remarks and the applications in the real world.

The Morning session was handled by Dr.S.ESTHER FLORENCE, Associate Professor, SSN College of Engineering, Chennai on “**Wearable Antennas for Telemedicine applications**” and explained the challenges and research issues in it. And the same day AN session CST microwave studio hands on session were given to participants.

Second day session was on “**Modeling of 5G antenna with wideband or Dual band functionalities**” by Ms.V.ROJA, PMRF Scholar, National Institute of Technology, Trichy, she explained the concept of wideband and dual band functionalities and modeling of 5G antennas and shared her experiences in ISRO, SAMEER.

The third day FN session was by Mr. T. JAYANANDAN M.E., (Ph.D) , Assistant Professor, VIT, Vellore, Founder/CEO , Tesla Minds, Chennai on the topic of “**Antennas for future Wireless Applications**”. He explained the research trends in antenna design and AN session was the demonstration of CST tool for antenna design, he took one Research paper and demonstrated the design and working of the antenna. The session was very useful in research point of view.

The fourth day starts with the presentation of Dr.S.IMACULATE ROSALINE, Assistant Professor, Ramaiah Institute of technology, Bangalore, on the topic of “**Microstrip based Meta material Inspired antennas**”. The session was very useful and many research scholars impressed by the session and expressed their thanks to the resource person and the AN session was the demonstration of CST tool in the design meta material concepts.

The Final day starts with the presentation of Dr. P.GEETHA, Associate Professor, P.R Engineering College, Thanjavur, on the topic of “**Antennas for Radar, Space and Military Applications**” and the AN session was the demonstration of different antenna design tools like HFSS, CST and MATLAB.

We received totally 91 registrations and they are from Haryana, Odisha, Andhra Pradesh, telangana, Madya Pradesh, Karnataka, Gujarat and West Bengal.

9 Faculty members from our department also have participated the same and benefited through this STTP.

The efforts of all the participants from all over india who made this event a grand success is appreciated. The people behind the scene are Mrs. R.Deepalakshmi , Mrs.R.Vanitha & Mrs. M.Shivashankari who worked hard to bring this to reality.

Student supporters are Ms. RajaRajeswari,Ms. Afrose Jamila &Ms.Gadireddy Sameera who are helping the organizing committee in a great manner.

<p>ABOUT CARE</p> <p>CARE College of Engineering is an eco-friendly environment amid the sparkling beauty of nature. The Campus is a self-sufficient unit catering to all sorts of needs of staff & students. It is aesthetically designed with elegant buildings; complimented by wide open spaces, broad roads & abundant greenery with a view to create a pleasing and inspiring ambience for the students. CARE believes that the most promising opportunities for discovery exist at the intersections of disciplines, and that the technologies of the next century will grow out of multidisciplinary partnerships. CARE is committed to excellence in all its endeavor's. Similarly, the leaders of tomorrow must be able to bridge multiple interests. Pedagogy ensures that students get exposed to a holistic approach to education, integrating physical, emotional and social development of our students; complementing it with a sound academic base which enables our students to get a head start in an increasingly complex situation and prepares them for the global challenges of tomorrow. CARE believes in partnerships between industry, government, and higher education to yield countless innovations.</p> <p>ABOUT ECE DEPARTMENT</p> <p>The Department of Electronics and Communication Engineering was started in the year 2010 in CARE School of Engineering with an intake of 60. Learning is a new, high level and happy experience in this department, which provides quality education and hands on training to the students through qualified faculty and topnotched infrastructure. The Department provides a sound foundation to the students wishing to pursue a career in Electronics Engineering, Communications,</p>	<p>Control Systems, Robotics or Sensor Systems, through a diverse range of theoretical skills and practical experience, presented in the context of real time applications and design experience. The students are exposed to the practical and industrial aspects of the subjects through laboratory work and periodic industrial visits.</p> <p>CHIEF PATRON Shri. B. Prathe Chend Chief Executive Officer (CEO) CARE Group of Institutions</p> <p>PATRON Dr. S. Shanbh, Principal CARE College of Engineering Dr. A. Pasumpon Pandian, Dean (R&D) CARE College of Engineering</p> <p>CONVENOR Dr. J. Jeyaram, Associate Professor & Head Department of ECE CARE College of Engineering</p> <p>FACULTY CO-ORDINATORS Ms.R.Deepalakshmi, AP/ ECE Ms.R.Vanitha, AP/ ECE Ms.M. Shiva Shankari, AP/ ECE</p> <p>In Association with</p> 	 <p>CARE COLLEGE OF ENGINEERING (Approved with AICTE, New Delhi & Affiliated to Anna University, Chennai)</p> <p>A Five Day Short Term Training Program (STTP) on</p> <p>Antenna Design: Future Trends and New Applications (Virtual Mode) (01.08.2022 to 05.08.2022)</p>  <p>Organized by Department of Electronics & Communication Engineering CARE COLLEGE OF ENGINEERING 27, Thayanur, Trichy - 620 009, Tamil Nadu. www.care.ac.in Phone: 0431-2690505</p>
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<p>ABOUT THE PROGRAMME</p> <p>This Program aims to provide a forum that enhances knowledge on recent trends in Antenna and Microwave to give potential solutions for 5G/6G design for automotive and health care applications. Moreover, it builds hope in developing the global cooperative research with the exposure to challenges and research issues towards massive network. It also encourages the faculty to grow towards the new research areas for their career development. The STTP is planned in such a way that the hands-on training using CST tool can be used in building 5G/6G design. The STTP will be helpful for the young researchers and faculty to formulate the modeling and simulation needed for the development of society and proves to be valuable in achieving tasks through the emerging technology.</p> <p>OBJECTIVE OF THE PROGRAMME</p> <p>The short term training course is intended to include the basic knowledge and modern technologies in wireless communication system and antenna concepts. An equal weightage has been planned to give an overview on theoretical concepts as well as hands on session.</p> <p>COURSE CONTENTS</p> <p>The following topics will be covered in the STTP.</p> <ul style="list-style-type: none"> Modeling of 5G antenna with wideband or Dual band functionalities Wearable Antennas for Telemedicine applications 	<ul style="list-style-type: none"> Microstrip based Metamaterial Inspired antennas Antennas for Radar, Space and Military Applications Antennas for future Wireless Applications <p>OUTCOMES OF THE STTP</p> <ul style="list-style-type: none"> Acquire knowledge in modeling of antenna techniques 5G, MIMO and UWB antennas. Able to design Antennas for Radar, Space and Military applications. Acquire knowledge in Meta-material inspired antennas <p>REGISTRATION DETAILS</p> <ul style="list-style-type: none"> Participants are requested to fill the online registration form. Selection will be based on first come first served basis, since registration is limited to 150. <p>Industry Persons / Faculties from Academic Institutions : Rs.300</p> <p>Research Scholars / UG & PG students : Rs.200</p> <p>Payment should be done through online in Favour of:</p> <p>Name: S.Dhivya Account Number: 1224119002876 Bank: Canara Bank IFSC code: CNRB0001224 (or) Google pay Mobile No: 9585060790</p>	<p>REGISTRATION LINK: https://forms.gle/cY9NRIgCe2NGkqP9</p> <p>IMPORTANT DATE Last date of Registration (Online): 27.07.2022</p> <p>CERTIFICATE E- Certificate will be provided to the participants after confirming the attendance criteria.</p> <p>RESOURCE PERSONS The sessions will be handled by Industrial Experts and adept professors from reputed institutions.</p> <p>GENERAL INFORMATION</p> <p>Other Important Information for participants:</p> <ul style="list-style-type: none"> This STTP is intended for all Engineering students, faculty & research scholars of AICTE approved technical institutions. Seats are limited to 150 participants on the basis of first come first served and registration will be confirmed through mail. 90% attendance is mandatory for certificate <p>CONTACT Mrs. R. Deepalakshmi, AP/ECE CARE College of Engineering, #27, Thayanur, Trichy - 620 009 Contact number: 8344896019, 8220681142 Email ID : rdeepalakshmi@care.ac.in</p>
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Programme Schedule (01.08.2022 to 05.08.2022)

Date	Timing	Title	Resource Person
01.08.2022	10.30 am to 12.00 pm	Wearable Antennas for Telemedicine applications	Dr.S.ESTHER FLORENCE Associate Professor SSN College of Engineering Chennai
	02.00 pm to 04.00 pm	Handson session on CST	
02.08.2022	10.30 am to 12.00 pm	Modeling of 5G antenna with wideband or Dual band functionalities	Ms.V.ROJA PMRF Scholar National Institute of Technology Trichy
	02.00 pm to 04.00 pm	Handson session on CST	
03.08.2022	10.30 am to 12.00 pm	Antennas for future Wireless Applications	Mr. T. JAYANANDAN M.E., (Ph.D) Assistant Professor, VIT, Vellore Founder/CEO Tesla Minds Chennai
	02.00 pm to 04.00 pm	Handson session on CST	
04.08.2022	10.30 am to 12.00 pm	Microstrip based Metamaterial Inspired antennas	Dr.S.IMACULATE ROSALINE Assistant Professor Ramaiah Institute of technology Bangalore
	02.00 pm to 04.00 pm	Handson session on CST	
05.08.2022	10.30 am to 12.00 pm	Antennas for Radar, Space and Military Applications	Dr. P.GEETHA Associate Professor P.R Engineering College Thanjavur
	02.00 pm to 04.00 pm	Handson session on CST	

**A Five day STTP on
Antenna Design : Future Trends and New Applications
01.08.2022 to 05.08.2022.**

List of Internal Participants

Sno	Name	Designation	Department
1.	Dr.J.Jeyarani	Professor	ECE
2.	Mr.P.Selvakumar	Asst.Prof.	ECE
3.	Mr. Sriram Sundar S	Asst.Prof.	ECE
4.	Mrs.R.Deepalakshmi	Asst.Prof.	ECE
5.	Mrs.R.Vanitha	Asst.Prof.	ECE
6.	Mrs.M.Shiva Shankari	Asst.Prof.	ECE
7.	Ms.S.Dhivya	Asst.Prof.	ECE
8.	Ms.R.Elavarasi	Asst.Prof.	ECE
9.	Rubitha K	Asst.Prof.	ECE
10.	Saravanan R	Asst.Prof.	EEE
11.	Venkatesan G	Asst.Prof.	EEE

meet.google.com/ayn-rmdb-zrc?authuser=0

Estherflorenc S is presenting

Lecture On

Wearable Antennas for Telemedicine Applications

Dr Esther Florence S
Associate Professor
Department of ECE, SSNCE

Venue : CARE College of Engineering
Date : 01/08/2022

A stitch in time not only saves nine but can also measure what else you save! **SSN**

10:36 AM | Five Days STTP on Antenna Design: Future...

Participants: Estherflorenc S, Raja Rajeswari S-2019, Kalaivani S, Sonam Gour, PRINCIPAL CARE COE, Mamta Sood, 55 others, You.

meet.google.com/ayn-rmdb-zrc?authuser=0

R V is presenting

Fabricated antenna


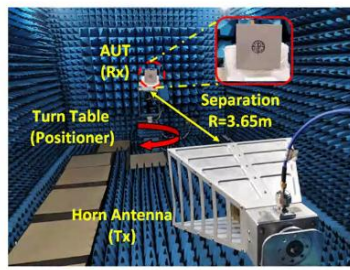



Fig. Dual Generation Dual Polarized antenna is in Anechoic Chamber: Fabricated antenna is fed with the coaxial cables.

The proposed antenna measurements are done at Anechoic Chamber, VIT Chennai.

Roja Vadlamudi PMRF Scholar, Dept. of ECE NIT Trichy

11:17 AM | Five Days STTP on Antenna Design: Future ...

Participants: R V, Saranya S, Meha Soman, THIRUNAVUKARASU. M 46, mirza sajid, Nisha Natrajan, 58 others, You.

This is to certify that

S.DHIVYA , Assistant Professor
of
CARE College of Engineering

has participated in Five Days Short Term Training Program (STTP) on “Antenna Design: Future Trends and New Applications” from 01.08.2022 to 05.08.2022, Organized by Department of Electronics and Communication Engineering, CARE College of Engineering, Trichy in association with IEEE CARE Students Branch- Madras Section & Tesla Minds, Chennai



Mrs. R. Deepalakshmi
Coordinator



Dr. J. Jeyarani
Head of Department



Dr. S. Shanthi
Principal



COLLEGE OF ENGINEERING

(Approved by AICTE and Affiliated to Anna University, Chennai)
27, Thayanur, Trichy – 620009
Department of Mechanical Engineering

Training on MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING Date 03.01.2023 to
07.01.2023

Report

Modern Trends in Refrigeration and Air Conditioning” was organized by the Department of Mechanical Engineering from 03 rd January 2023 to 07 th January 2023. Totally Nineteen students out of which fifteen Mechanical Engineering students from 3 rd year, and four Supporting staff of Mechanical Engineering were actively participated in the VAC course. The program was inaugurated by the Head of the Department of Mechanical Engineering on 3rd January 2023 around 9.30 AM. The Resource Persons Mr. P. Xavier Jaganathan & Mr. Saravanavel from Goodwin Motors have covered 75% of the syllabus such as Introduction to R & AC, Thermodynamics Cycle, Types of R & AC system, Indoor AC, Split AC, Automotive AC, Troubleshooting and related practical sessions. The remaining 25% syllabus (Necessity for cold Storage, Construction and Maintenance, Environmental effect of refrigerants, Observation of reading from R & AC test rig system and Load Calculations) were covered by the internal faculties (Dr. D.R. Rajkumar, HOD, Dr. B. Gobalakrishnan, AP & Mr. P. Dineshkumar AP Mechanical Engineering). The program was successfully completed on 07th January 2023 evening around 5.00 PM with a valedictory function and certificates distribution.

The third year Students and supporting staff of the Mechanical Engineering department got benefited through this session. The participants gave good feedback about the resource persons and content of the program.



CARE
COLLEGE OF ENGINEERING

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#27, Thayanur, Dindigul road, Trichy - 09

MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Department of Mechanical Engineering

&

GOODWIN MOTORS

Tambaram, Chennai - www.goodwinmotors.org
(Affiliated to National Skill India Mission, Govt. of India)
(Skill Training Partner - BMW SkillNext Initiative)

organizing
A Value Added Course

ON

MVA015-Modern Trends in Refrigeration And Air Conditioning

Date: 03.01.2023-07.01.2023

Time: 09.00 am to 05.00 pm

Venue: Manufacturing Technology Lab

Co-ordinators:

Mr. S.Maheshwaran /AP

Dr. B.Gobalakrishnan /AP

Department of Mechanical Engineering

Participants :

III year Students of Mechanical Engineering

Dr.D.R.Rajkumar

HOD/Mechanical Engineering

9944637172/9790567377

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fb/careschoolofengineering

CARE 

COLLEGE OF ENGINEERING

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27, Thayanur, Trichy - 620009

Lab Instructors

		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Mr.Xavier . M	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>	<i>Xavier</i>
2	Mr.Baskaran . S	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>	<i>S.Baskaran</i>
3	Mr.Dinesh . D	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>	<i>D.Dinesh</i>
4	Mr.Balakrishnan . K	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>	<i>K.Balakrishnan</i>


Coordinators


HoD / Mechanical



Explanation about the Inverter AC circuit connection



Practical session to find the performance of Air Conditioning test rig



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(Affiliated to National Skill India Mission, Govt of India)
(Skill Training Partner - BMW SkillNext Initiative)

MECHANICAL
ENGINEERING
STUDENTS
ASSOCIATION



Certificate of Completion

This is to certify that Mr K. BALAKRISHNAN/LAB INSTRUCTOR of
Mechanical Engineering Department, CARE College Of Engineering, has completed Value added course MVA015-
MODERN TRENDS IN REFRIGERATION AND AIR CONDITIONING from 3rd January to 7th January 2023.

During the above said period his conduct and character were good.

For GOODWIN MOTORS

Coordinators

HoD/Mech

Principal / CARE COE



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Two days Awareness program on NBA's Outcome based Education

As Our CARE Group of Institutions have planned to get NBA Accreditation for the Programmes B.Arch. all the UG Engineering Programme and MBA Programme, Our management has organized an awareness programme on "NBAs' Outcome Based Education, Accreditation Process, Procedure for Preparation of Documents and other clarifications about NBA" on 08.11.2022 & 09.11.2022 from 9.30 am to 4.45 pm @Fulcrum. The Expert for the programme was Dr.S.Baskar, Professor, Thiagarajar College of Engineering, Madurai.

All The HoDs, IQAC Coordinators, all Cells & Committees' Coordinators have attended the programme. In this program all the NBA manuals, SAR, pre-qualifier and Evaluation documents were discussed. All faculty members have got details above NBA process.



Gomathi V <vgomathi@care.ac.in>

Fwd: NBA - Outcome based Education - Awareness Programme- reg.

PRINCIPAL CARE COE <principal.coe@care.ac.in>
To: Gomathi V <vgomathi@care.ac.in>

Mon, Dec 11, 2023 at 8:25 PM

Madam,
Faculty Training on Outcome Based Education : 8.11.2022.

----- Forwarded message -----

From: Dean Research and Development <dean.rd@care.ac.in>

Date: Fri, Nov 4, 2022 at 1:26 PM

Subject: NBA - Outcome based Education - Awareness Programme- reg.

To: COE HOD's <coehod@care.ac.in>, NAAC IQAC <iqac@care.ac.in>, CAS IQAC <cas.iqac@care.ac.in>, Judith Belinda Laura T <tjbelindalaura@care.ac.in>, Shabitha P <pshabitha@care.ac.in>, P. Selvakumar <pselvakumar@care.ac.in>, Karthik s <skarthik@care.ac.in>, S. Sriram Sundar <ssriramsundar@care.ac.in>, R. Saravanan <rsaravanan@care.ac.in>, A. Shirley Mary Vanitha <ashirleymv@care.ac.in>, SARAVANAN K <ksaravanan@care.ac.in>, Mahadevan K <kmahadevan@care.ac.in>, L. Jamuna Rani <librarian@care.ac.in>, vetri aadithiya <vetri@care.ac.in>, ELAVARASI R <relavarasi@care.ac.in>, Ranjani V <ranjani@care.ac.in>
Cc: Prative Chand B. <ceo@care.ac.in>, Director - Architecture <director.arch@care.ac.in>, PRINCIPAL CARE COE <principal.coe@care.ac.in>, PRINCIPAL CARE CAS <principal.cas@care.ac.in>

Dear Sir/Madam,

Our CARE Group of Institutions is planning to get NBA Accreditation for the Programmes B.Arch. all the UG Engineering Programme and MBA Programme. In this regard, our management is organizing an awareness programme on "NBAs' Outcome Based Education, Accreditation Process, Procedure for Preparation of Documents and other clarifications about NBA" on 08.11.2022, 9.30 am to 4.45 pm @ Fulcrum. The Expert for the programme is Dr.S.Baskar, Professor, Thiagarajar College of Engineering, Madurai.

All The HoDs, IQAC Coordinators, all Cells & Committees' Coordinators are informed to attend the programme without fail. Before that, kindly go through all the NBA manual, SAR, pre-qualifier and Evaluation documents enclosed herewith and clarify our doubts with our Expert.

Thank you.

Dr.A.Pasumpon Pandian
Dean (R & D)
CARE College of Engineering, Trichy

Two days Awareness program on NBA's Outcome based Education

Program Schedule

Day 1 (8.11.2022) Tuesday	Session 1 (9.30am to 11.00am)	Introduction NBA Accreditation
	Session 2 (11.15am to 12.35pm)	Assessment Methodology, Guidelines, Benefits and Quality Initiatives.
	Session 3 (2.00 pm to 3.30 pm)	Methods of Assessment and Evaluation: Assessment Tools.
Day 2 (9.11.2022) Wednesday	Session 1 (9.30am to 11.00am)	Assessment of COs, POs, PSOs & PEOs.
	Session 2 (11.15am to 12.35pm)	Self-Assessment Report (SAR): Overview
	Session 3 (2.00 pm to 3.30 pm)	How to prepare the SAR and effect Improvements during the process

Two days Awareness program on NBA's Outcome based Education

08.11.2022 & 09.11.2022

List of Participants

Sno.	Name	Designation	Department	Sno.	Name	Designation	Department
1	Amutha T	Asst.Prof	AI&DS	25	Saravanan R	Asst.Prof.	EEE
2	Kalaiselvi R	Asst.Prof	AI&DS	26	Venkatesan G	Asst.Prof.	EEE
3	ParveenBanu N	Asst.Prof	AI&DS	27	Dr.Manochandar S	Asst.Prof.	MBA
4	Saravanan K	Asst.Prof	AI&DS	28	Dr.Ramya T	Asst.Prof.	MBA
5	Mohanalakshmi V	Asst.Prof	AI&DS	29	Aishwarya S	Asst.Prof.	MBA
6	Murali C S	Asst.Prof	CIVIL	30	Francis Rebello I	Asst.Prof.	MBA
7	SudhaPriya B	Asst.Prof	CIVIL	31	Keerthana Devi A	Asst.Prof.	MBA
8	VetriAadhithya	Asst.Prof	CIVIL	32	Lekshmi C M	Asst.Prof.	MBA
9	Anitha M	Asst.Prof	CSE	33	Nandhini R	Asst.Prof.	MBA
10	Anne Pratheepa R	Asst.Prof	CSE	34	Sunil Allan S	Asst.Prof.	MBA
11	Dr.Arul Sindiya J	Asst.Prof	CSE	35	Anthony kingston M	Asst.Prof.	MECH
12	Dr.Suresh J	Assoc.Prof	CSE	36	Dinesh Kumar P	Asst.Prof.	MECH
13	Gomathi V	Asst.Prof	CSE	37	Dr.Gobalakrishnan B	Asst.Prof.	MECH
14	Mahadevan K	Asst.Prof	CSE	38	Dr.Rajkumar D R	Assoc.Prof.	MECH
15	Mohamed Nizarudeen M	Asst.Prof.	CSE	39	Franklin Sahayaraj J	Asst.Prof.	MECH
16	Muthukumaran C	Asst.Prof	CSE	40	Karthik S	Asst.Prof.	MECH
17	Vijayalakshmi M	Asst.Prof	CSE	41	Maheshwaran S	Asst.Prof.	MECH
18	Dr.Jeyarani J	Professor	ECE	42	Christina Merline Y D	Asst.Prof.	S&H
19	Deepalakshmi R	Asst.Prof	ECE	43	Karthicka A	Asst.Prof.	S&H
20	Selvakumar P	Asst.Prof	ECE	44	Shirley Mary Vanitha A	Asst.Prof.	S&H
21	Shiva Shankari M	Asst.Prof	ECE	45	Susindhiran S	Asst.Prof.	S&H
22	SriramSundar S	Asst.Prof	ECE	46	Thavaselman G	Asst.Prof.	S&H
23	Vanitha R	Asst.Prof	ECE	47	Anand R	Asst.Prof.	S&H
24	Dhivya S	Asst.Prof	ECE	48	Dr.HelenSelvi M	Asst.Prof.	S&H



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Department of Mechanical Engineering


Webinar on IPRs & Patent / Designs filing

(17-Feb-2023)


Webinar was coordinated by Dr.D.R.Rajkumar, Head & Associate Professor/Mechanical and Mr.P.Dineshkumar, A About 104 Participants (both staff and students) from various departments of our College Participated in this P programme began with Prayer Song. The welcome address was delivered by Dr.D.R.Rajkumar, Then IPR & patent were discussed and the webinar was given by Shri.Pankaj P Borkar, Dy.Controller of Patents & Designs, IPO Mum Nagpur. At the end of the presentation, Participants were interacted and questioned on IPR, Patent and design of resource person on the topic. All the doubts were cleared by the resource person. Finally , participants' Feedback collected through the google form using the link (<https://forms.gle/ZngMKx687C5aYRvu7>) provided by RGNIIPAM Program was Hosted by Mr.S.Karthik, Assistant Professor/ Mechanical. Vote of thanks was delivered by Mr.P.Dinesh Kumar AP/ Mechanical, CARE College of Engineering. E-Certificate was provided to the attended participants through their registered Mail id.



NIPAM
NATIONAL INSTITUTE OF INTELLECTUAL PROPERTY MANAGEMENT



सत्यमेव जयते



CARE
COLLEGE OF ENGINEERING


Department of Mechanical Engineering
In association with
Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM)
Government Of India, Nagpur

Cordially Invites for the

Intellectual Property Rights (IPR), Patents and Design filing

17-02-2023 at 11.30 am

Resource Person



Shri. Pankaj P Borkar,
Dy. Controller of Patents & designs,
IPO, Mumbai/RGNIIPM,
Nagpur.

Coordinators
Dr. D. R. Rajkumar, HoD/Mechanical,
Mr. P. Dineshkumar, AP/Mechanical.

Who can Attend?

- Engineering,
- MBA,
- Architecture,
- Arts & Science


} **Students and Staff**

- All Professionals who like to protect their own uniqueness/ideas/innovation, etc.,

About Seminar

- Overview of IPR
- Basics of Patent Rights
- Fundamental on Trademark
- IP Design
- Geographical Indications

Join
<https://tinyurl.com/2pbracwif>
or

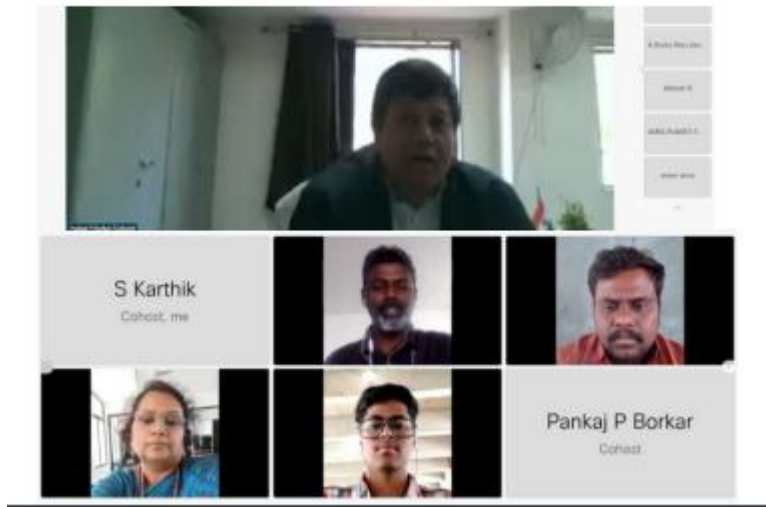


E-Certificate will be given

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Intellectual Property Rights (IPR), Patents and Design filing

Photographs



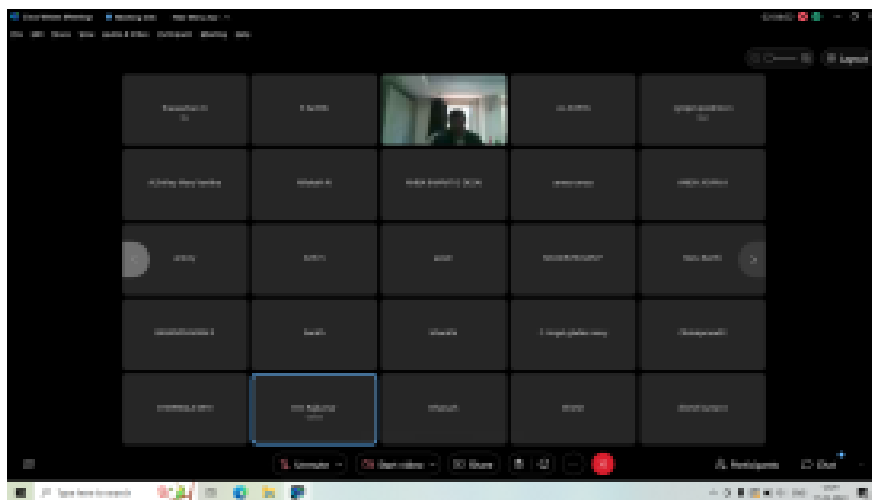
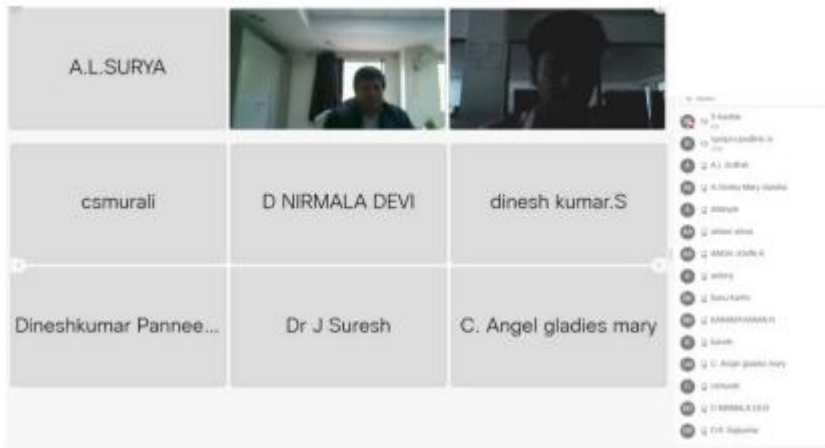


Fig.5. Participant's Group Photo



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Report on A Five Days online FDP on “Exploring Research using SEM & XRD”

Venue:Google Meet Date:19-12-2022 to 23-12-2022 Time:06.00 pm -07.30pm

A Five Days online FDP Programme was jointly organized by the Department of Mechanical Engineering , CARE College of Engineering and Department of Materials and Metallurgical Engineering, IITE , Indus university, Ahamadabad, Gujarat from 19-12-2022 to 23-12-2022 through online mode. This FDP was coordinated by Dr.D.R.Rajkumar, Head & Associate Professor/Mechanical and Resource Person was Dr. K.Santhy, Head & Associate Professor/Materials and Metallurgical Engineering, IITE, Indus university. About 29 Participants from various engineering colleges inside and outside India and 3 faculties from Department of Mechanical Engineering as well. Notably from Singapore,South Africa and so on. Research Scholars, Faculties and Industry persons were Participated actively in all five days and gained knowledge in SEM and XRD. It consists of research needs on SEM & XRD, Testing, Sample preparation, Result analysis & Interpretation and presenting results in Journal and Conferences. Everyday Assignment of every session was collected.

The programme began with the welcome address by Head & Associate Professor/Mechanical, CARE College of Engineering. ALL fives, the topics were discussed and the lecturer was given by Dr. K. Santhy Head & Associate Professor/Materials and Metallurgical Engineering, IITE, Indus university. Participants were given time to interact with resource persons on the topic every day. All the doubts were cleared after each session was over. On the fifth day, participants' Feedback was collected through the google form using link (<https://forms.gle/krZdT2bYwNMFGF3g8>).

Vote of thanks was delivered by Mr.P.Dinesh Kumar AP/Mechanical,CARE College of Engineering. E-Certificate was Sent to all five days attended participants through their registered Mail id.

A
FIVE DAYS
ONLINE FDP
ON

EXPLORING RESEARCH USING SEM & XRD

19th to 23rd | DEC | 2022 | 6.00 to 7.30PM

TOPICS TO BE COVERED

- Does your research need SEM and XRD?
- What you have to know before testing?
- Sample Preparation
- Analysis of Result
- Presentation of result for publication

RESOURCE PERSON



Dr. K. Santhy Ph.D (IITM)
Associate Professor

Department of Materials and Metallurgical Engineering
HTE, Indus University
<https://www.linkedin.com/in/santhy-k-3b265971/>

Registration Fee:
Rs.500/-
(For students & Scholars)
Rs.750/-
(Faculty & Industries)

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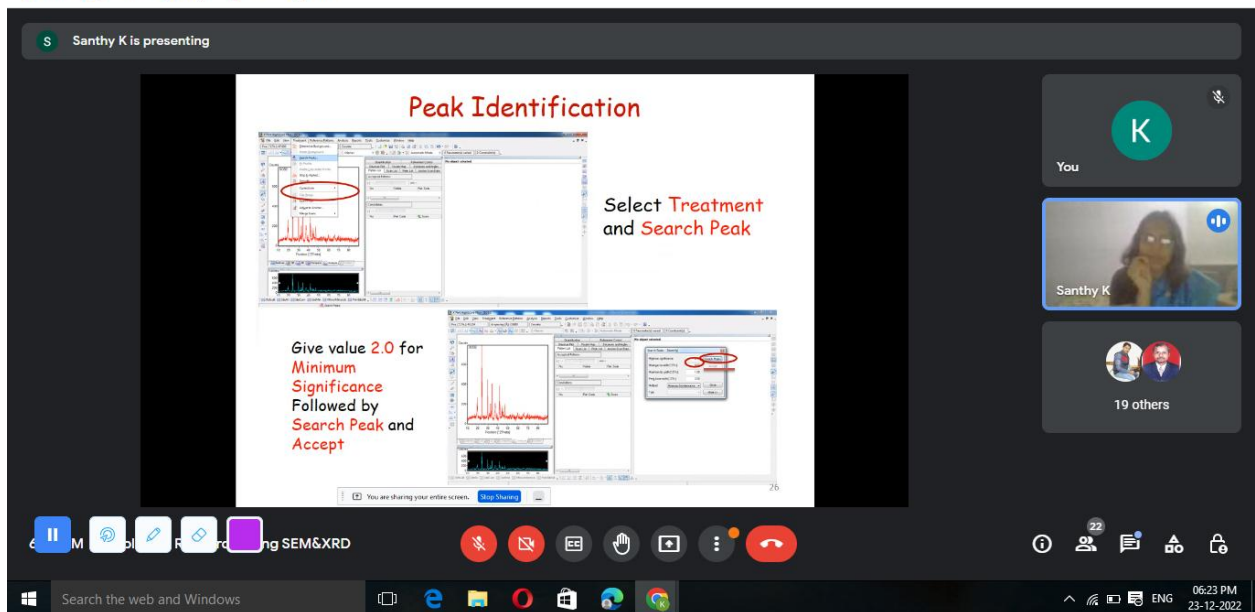
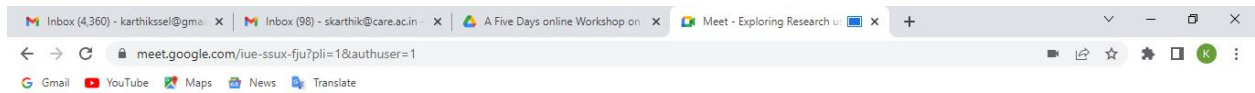
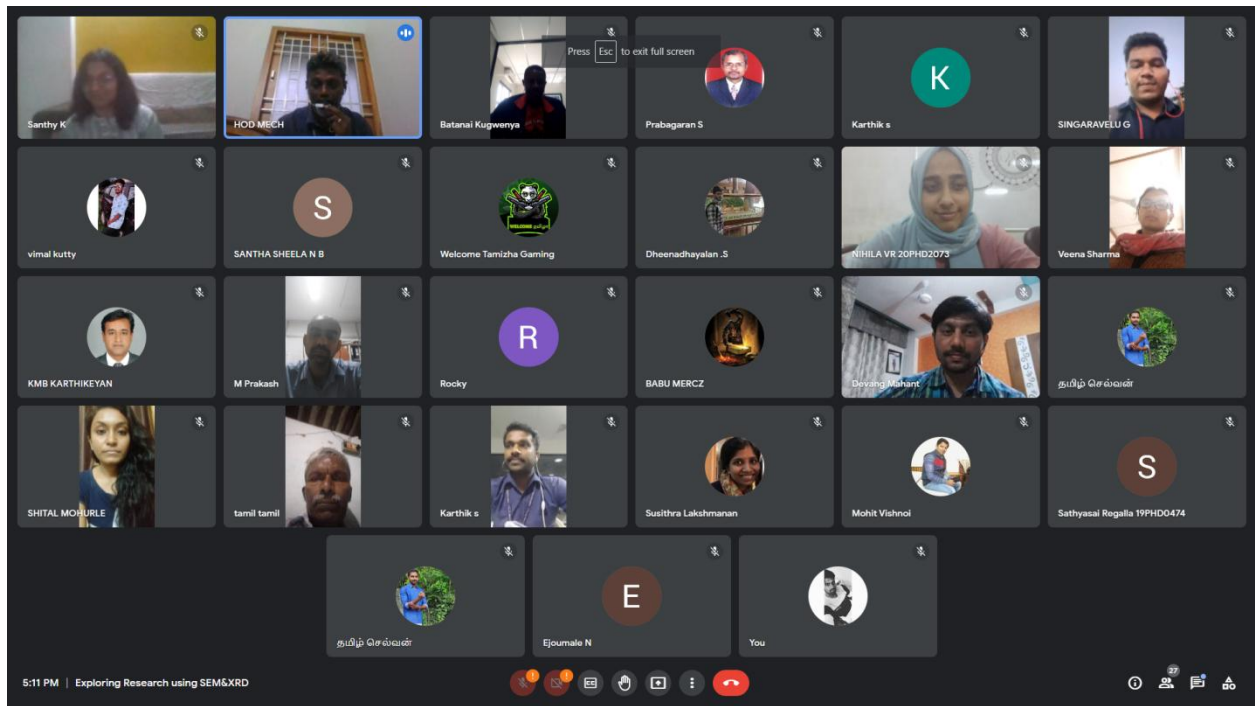
EVENT COORDINATOR : Dr. D.R. Rajkumar
Head & Associate Professor
98943 10108 | hod.mech@care.ac.in

Bank Details

Name : CARE College of Engineering,
Bank Name: Indian Bank
Branch : Cantonment, Trichy
Ac. No: 854664709
IFSC Code : IDIB000T027



A Five Days online FDP on “Exploring Research using SEM & XRD”



A Five Days online FDP on “Exploring Research using SEM & XRD”

List of Internal Participants

Sno	Name	Designation	Department
1.	Dr.Rajkumar D R	Associate Professor	Mech
2.	Dinesh Kumar P	Assistant Professor	Mech
3.	Dr.Gobalakrishnan B	Assistant Professor	Mech
4.	Anthony kingston M	Assistant Professor	Mech
5.	Franklin Sahayaraj J	Assistant Professor	Mech
6.	Karthik S	Assistant Professor	Mech
7.	Maheshwaran S	Assistant Professor	Mech
8.	Franklin Sahayaraj J	Assistant Professor	Mech
9.	Karthik S	Assistant Professor	Mech
10.	Maheshwaran S	Assistant Professor	Mech
11.	ThangaBalaji M	Assistant Professor	Mech
12.	Thirumani K S	Assistant Professor	Mech
13.	Joshua Sakunth J	Assistant Professor	CIVIL
14.	Mohanalakshmi V	Assistant Professor	CIVIL

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. B. GOBALAKRISHNAN

of **CARE COLLEGE OF ENGINEERING**

has actively participated in a Five Days online FDP on "**Exploring Research using SEM & XRD**" jointly organized by Department of Mechanical Engineering, CARE College of Engineering, Trichy, Tamilnadu and Department of Materials and Metallurgical Engineering, IITE, Indus University, Ahmedabad, Gujarat held on 19-12-2022 to 23-12-2022.



Dr. K Santhy
Head of the Department
Department of Materials and Metallurgical Engineering
IITE, Indus University



Dr. D R Rajkumar
Head of the Department
Department of Mechanical Engineering
CARE College of Engineering



Dr. S Shanthi
Principal
CARE College of Engineering

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Department of Electronics and Communication Engineering **A Two Day Short Term Training programme on “Research Trends in Antenna Design and Beyond Applications”**

Department of Electronics & Communication engineering of CARE College of Engineering in association with IEEE CARE student branch and Ms.Tesla Minds Chennai organized “A Two Day Short Term Training programme on “Research Trends in Antenna Design and Beyond Applications” in Virtual mode from 5.12.2022 to 6.12.2022.

The STTP focused on the recent research issues, challenges, research trends and emerging applications in antenna design. The programme started with the inaugural ceremony on December 05, 2022 by 10.00 am, co-ordinated by Ms.R.Kayalvizhi, student co-ordinator of II ECE. The presidential address was delivered by Dr.S.Shanthi, Principal CARE College of Engg, and Felicitation address by Dr.D.R.Rajkumar, HOD\Mech. The opening remarks of STTP was given by Dr.J.Jeyarani, HOD\ECE.

The first session in the forenoon was handled by Dr. Dr.S.Prasad Jones Christydass , Associate Professor, QIS College of Engineering, Ongole, Andhra Pradesh, Associate Professor, on the topic“**Metamaterial Antennas for Future Wireless Applications**” and he delivered the challenges and research issues in it. In Afternoon session 1 Dr.S.Sangeetha, Assistant Professor, VIT University, Vellore delivered a lecture talk on “**Wearable Antennas for various applications**” with exposure towards antenna research challenges and its applications.

Session 2 was handled on “**UWB and 5G antenna modeling techniques**” by Ms.V.ROJA, PMRF Scholar, National Institute of Technology, Trichy, she explained the concept of wideband and 5G modeling of antennas and also shared her experiences in IEEE Conclave she has attended.

The second day session was addressed by the student co-ordinator Ms. RajaRajeswari of IV year ECE. Session 1 was handled by Dr.B.Manimegalai, Professor, Thiagarajar College of Engineering on the topic of “**Microwave and Millimeter wave System** ”. She explained the research trends in mm-wave antenna design with the exposure towards the research challenges she faced and how to resolve and work for research direction. Session 3 was the demonstration of CST tool for antenna design handled by Mr.T.Jayanandan, Assistant Professor, VIT University,Vellore. He gave design procedures and analysis of CST Tool in detail. Finally the sttp session was ended with the gratitude note by the event co-ordinator Mrs.M.Shiva Shankari, Asst.Prof, ECE.

We received totally 61 registrations out of which 36 faculty members, 4 PG Students, 5 UG Students, 16 Research Scholars and they are from various institutions from north and south india.

Student co-ordinators are Ms. RajaRajeswari, Ms. R.Kayalvizhi &Mr. Reagan Russol helped the organizing committee in a great manner.

ABOUT CARE,

CARE College of Engineering is an eco-friendly environment amid the sparkling beauty of nature. The Campus is a self-sufficient unit catering to all sorts of needs of staff & students. It is aesthetically designed with elegant buildings complemented by wide open spaces, broad roads & abundant greenery with a view to create a pleasing and inspiring ambience for the students.

CARE believes that the most promising opportunities for discovery exist at the intersections of disciplines, and that the technologies of the next century will grow out of multidisciplinary partnerships. CARE is committed to excellence in all its endeavors. Similarly, the leaders of tomorrow must be able to bridge multiple interests. Pedagogy ensures that students get exposed to a holistic approach to education, integrating physical, emotional and social development of our students, complementing it with a sound academic base which enables our students to get a head start in an increasingly complex situation and prepares them for the global challenges of tomorrow. CARE believes in partnerships between industry, government, and higher education to yield countless innovations.

ABOUT ECE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 2010 in CARE School of Engineering with an intake of 60. Learning is a new, high level and happy experience in this department, which provides quality education and hands on training to the students through qualified faculty and unparalleled infrastructure. The Department provides a sound foundation to the students wishing to pursue a career in Electronics Engineering, Communications, Control Systems, Robotics or Sensor Systems, through a diverse range of theoretical skills and practical experience, presented in the context of real time applications and design experience. The students are exposed to the practical and industrial aspects of the subjects through laboratory work and periodic industrial visits.

CHIEF PATRON

Shri.B.Prative Chand
Chief Executive Officer (CEO)
CARE Group of Institutions

PATRON

Dr.S.Shanthi, Principal
CARE College of Engineering

Dr.A.Pasunpon Pandian, Dean (R&D)
CARE College of Engineering

CONVENER

Dr. J.Jeyaram, Professor & Head
Dept. of Electronics & Communication
Engineering,
CARE College of Engineering

STAFF COORDINATORS

Ms. M.Shiva Shankari, Asst.Prof/ECE
Ms.R. Deepalakshmi, Asst.Prof/ECE
Ms.R. Vanitha, Asst.Prof/ECE

In Association with



CARE COLLEGE OF ENGINEERING

A Two Day Short Term Training Program (STTP)

ON "Research Trends in Antenna Design and Beyond Applications" (Virtual mode)

(05.12.2022-06.12.2022)

Organized by



Department of Electronics & Communication Engineering

CARE COLLEGE OF ENGINEERING
#27, Thayamur, Trichy - 620009,
Tamil Nadu.
www.care.ac.in
Phone: 0431-2690305

ABOUT SHORT TERM TRAINING PROGRAM (STTP)

Due to rapid growth in the area of modern wireless communication systems, the demand for different types of novel, multi-functional, and high-performance antennas is increasing exponentially. The objective of this STTP is to cover all aspects of antennas used in existing or future wireless communication systems. The aim is to share and explore the recent advances, current trends, and future emerging developments of antennas.

OBJECTIVES

- The objective of the STTP is to provide an insight on the utility of simulation tools for design and fabrication of antennas and RF circuits.
- To enhance the knowledge and usage of advanced tools and techniques for the Design of Practical RF antennas.
- To give exposure towards the research competence of faculty in the areas of RF antennas by providing exposure to practical problems and solutions.

ENVISAGED COVERAGE

The following topics will be covered in the STTP.

- Wearable Antennas for Telemedicine, Military, IoT Applications
- Artificial Intelligence (AI) Empowered Antennas
- MIMO, Reconfigurable Antennas, Phased Array antennas, Metamaterial Antennas
- Hands on session using CST Studio Suite

OUTCOMES OF THE STTP

The STTP provides opportunity to highlight the recent trends and developments in RF antenna design and its various applications in current scenario.

IMPORTANT DATE

Last date of Registration (Online): 28.11.2022

CERTIFICATE

E- Certificate will be provided to the participants after confirming the attendance criteria.

REGISTRATION DETAILS

- Participants are requested to fill the registration form through Google form link given below.

Research Scholars/Faculty/Industry Persons: Rs.250
UG&PG students : Rs.150

Payment should be done through online in

Favor of Name: M.Shiva Shankari

Account Number:6834388401

Bank: INDIAN BANK

IFSC code: IDIB000M131

(or)

Google pay Mobile No: 9894214800

RESOURCE PERSONS

The sessions will be handled by External Expert faculty members from Reputed Institutions.

GENERAL INFORMATION

Other Important Information for participants:

- This STTP is intended for all Engineering students, faculty & research scholars of AICTE approved technical institutions.
- Seats are limited (only 100), participants on the basis of first come first serve & intimation will be conveyed through mail.
- Certificates will be provided to those who avail 85% of attendance.

CONTACT

Ms. M.Shiva Shankari, Assistant Professor

Department of ECE

CARE College of Engineering,

#27, Thayamur,

Trichy - 620009

Contact number: +91 9894214800

Email id: mshivashankari@care.ac.in

How to Register?

<https://forms.gle/QPMNpKB6vbj5A5M2A>

(or)



A Two Day Short Term Training programme on “Research Trends in Antenna Design and Beyond Applications”

Programme Schedule

Programme Schedule DAY 1 on 5.12.2022

Date	Timing	Title	Resource Person
5.12.2022	10.30 a.m-12.30 p.m	Metamaterial Antennas for Future Wireless Applications	 Dr. S. Prasad Jones Christyclass Associate Professor QES College of Engineering, Ongole, Andhra Pradesh
5.12.2022	2.30 p.m-3.30 p.m	Wearable Antennas For Various Applications	 Dr. S. Sangeetha, Assistant Professor School of Electronics Engineering VIT University, Vellore
5.12.2022	3.30 p.m-4.30 p.m	UWB and 5G Antenna Modelling Techniques	 Ms. V. Roja PMRF Scholar NIT Trichy

Programme Schedule on Day2

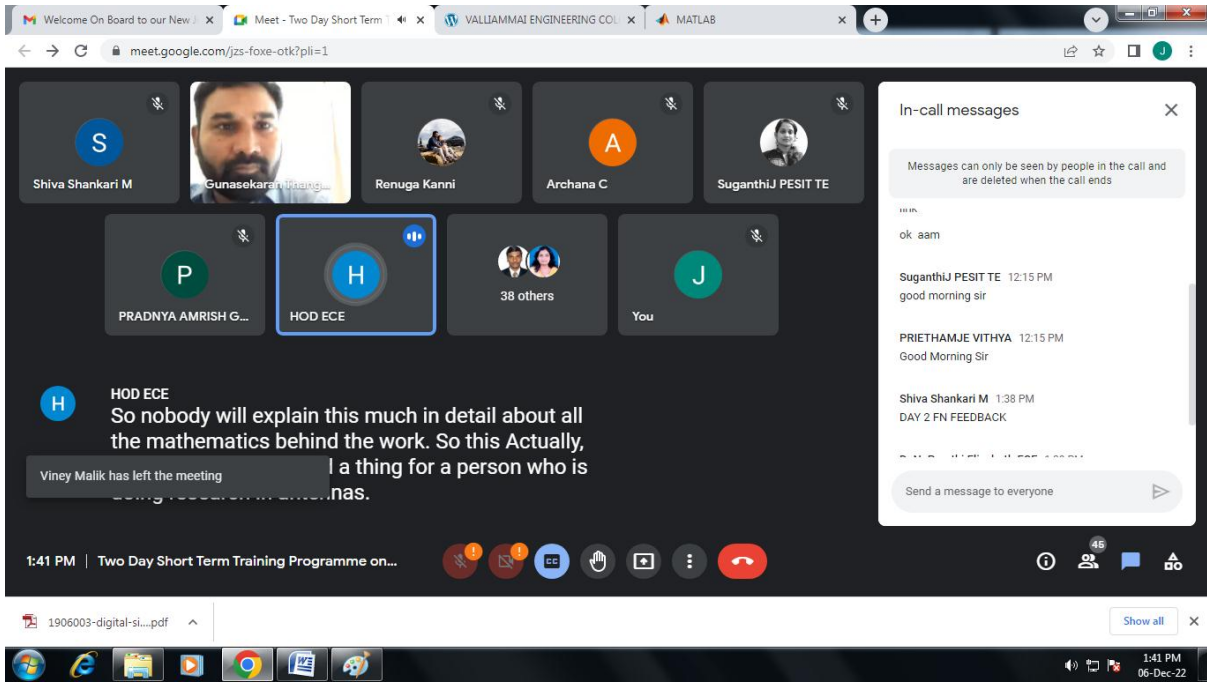
Date	Timing	Title	Resource Person
6.12.2022	10.30 a.m-11.30 a.m	Microwave and Millimeterwave System	 Dr. B. Manimegalai Professor Thiagarajar College of Engineering, Madurai
6.12.2022	12.30 p.m- 1.30 p.m	Phased Array Antennas, MIMO	 Dr. Ganeskaran Thangavel, Program Director (ECE Specialization) Electrical and Electronics Engineering Section Engineering Department, University of Technology and Applied Sciences, Muscat, Sultanate of Oman.
6.12.2022	2.30 p.m- 4.00 p.m	Artificial Intelligence (AI) Empowered Antennas Hands on session using CST Studio Suite	 Mr. T. Jayanandan Assistant Professor & Research Scholar, VIT University, Vellore Founder CEO Ms. Tesla Mixds, Chennai

The image shows two screenshots of a Google Meet session. The top screenshot displays a presentation slide titled "CARE College of Engineering" with the main heading "Metamaterial Antenna for Future Wireless Applications" and the subtitle "Research Perspective". The presenter is identified as Dr. S. PRASAD JONES CHRISTYDASS, Associate Professor at QIS College of Engineering and Technology, Andhra Pradesh. The slide also features the μ -MAKER logo. The meeting interface shows a grid of participants including Prasad Jones S, Jonin J S, Bharathi M, Shiva Shankari M, PRIETHAMJE VITHYA, DHIVYA S M, and 42 others.

The bottom screenshot shows a different presentation slide with a list of points:

1. Highly directional radiation is made possible simultaneously at 4G and 5G Sub-6GHz bands by the proposed unique configuration is by introducing folded perturbations in the signal line – Meander line with reflecting surface (PEC) **without using any physical filter or meta material based structures like FSS for simultaneous operation of 4G/5G with high isolation.**
2. At the same time **folding leads to miniaturization** of the antenna to improve the coverage for the wireless applications.
 - Arranges the **RF channel capacity** can be significantly increases with the massive MIMO antenna for 4G and 5G for both Standalone (SA) and Non-standalone (NSA) requirements.

The bottom screenshot also shows a "People" list on the right side of the meeting interface, including Shiva Shankari M (Meeting host), Abiramasundari Selvaraj, Ambresh P. A, and Arul Rajan.



List of Internal Participants

Sno	Name	Designation	Department
1.	Dr.J.Jeyarani	Professor	ECE
2.	Mr.P.Selvakumar	Asst.Prof.	ECE
3.	Mr. Sriram Sundar S	Asst.Prof.	ECE
4.	Mrs.R.Deepalakshmi	Asst.Prof.	ECE
5.	Mrs.R.Vanitha	Asst.Prof.	ECE
6.	Mrs.M.Shiva Shankari	Asst.Prof.	ECE
7.	Ms.S.Dhivya	Asst.Prof.	ECE
8.	Ms.R.Elavarasi	Asst.Prof.	ECE
9.	Rubitha K	Asst.Prof.	ECE
10.	Saravanan R	Asst.Prof.	EEE
11.	Venkatesan G	Asst.Prof.	EEE



CERTIFICATE OF PARTICIPATION

This is to certify that

(Approved by AICTE | Affiliated to
Anna University)

Mr/ Ms

J.S.JENIN , Assistant Professor

of

CARE COLLEGE OF ENGINEERING

has attended the A Two Day Short Term Training programme on “Research Trends in Antenna Design and Beyond Applications” organized by Department of Electronics and Communication Engineering in association with IEEE Student chapter at CARE College of Engineering during 5.12.2022 & 6.12.2022.

Shiva Shankari
Ms. M.Shiva Shankari
Co-ordinator

J. Jeyari
Dr. J. Jeyarani
HOD\ECE

S. Shanthi
Dr. S.Shanthi
Principal

CARE







COLLEGE OF ENGINEERING


Department of Artificial Intelligence and Data Science
5 Days FDP on
“MACHINE LEARNING&DEEP LEARNING”
[23.01.2023 to 28.01.2023]

Department of Artificial Intelligence and Data Science has organized and successfully completed five-day Faculty Development Program on “Machine Learning and Deep Learning “ from 23.01.2023 to 28.01.2023 through online. Faculty members from other colleges and our college have participated and enriched their knowledge through various sessions of FDP



FDP SESSION WISE SCHEDULE (23-Jan-2023 to 28-Jan-2023)

Sno	Date	Session1 (FN) 10.00 AM -12:00M	Session2 (AN) 2.00 PM to 4.00 PM
1	23-01-2023	<p><u>Inauguration&Presentation</u> Dr.S.Sridevi Associate Professor Department of CSE&AI Amrita University, Coimbatore E-mail:s_sridevi@ch.amirta.edu</p>  <p><u>Topics:</u> Hybrid Machine and Deep Learning for Signal and Image Analysis</p>	<p>Dr. Ramanamurthy Saripalli Senior Vice President, CodeTantra Tech Solutions Private Limited, Hyderabad, Telangana Mail: ramanasv@codetantra.com</p>  <p><u>Topics:</u> Hands-On Session</p>
1	24-01-2023	<p>Mr.Mohamed Niyamathullah Founder of Thinkin Lab Vellore. E-mail:founder@thinkinlab.com</p>  <p><u>Topics:</u> Hands on Session using ML Algorithms</p>	<p>Dr. Ramanamurthy Saripalli Senior Vice President, CodeTantra Tech Solutions Private Limited, Hyderabad, Telangana Mail: ramanasv@codetantra.com</p>  <p><u>Topics:</u> Hands-On Session</p>
3	25-01-2023	<p>Dr.M.Anbalagan, Assistant Professor(Senior Grade), Amrita University,Coimbatore</p>  <p><u>Topics:</u> Recommendation System using ML&DL Algorithms</p>	<p>Dr.M.Anbalagan, Assistant Professor(Senior Grade), Amrita University,Coimbatore</p>  <p><u>Topics:</u> Recommendation System using ML&DL Algorithms</p>

4	27-01-2023	<p>Dr.R.Jayabhaduri Professor, Department of Computer Science and Engineering, SVC College of Engineering,Chennai Mail:jaya@svce.ac.in</p>  <p>Topics : A Journey into the fabulous Applications of Transformers-Demo on NLP using DL Method</p>	<p>Ms.V.Rajalakshmi Associate Professor Department of Computer Science and Engineering, SVC College of Engineering,Chennai Mail:vraji@svce.ac.in</p>  <p>Topics: Demonstration of Time series forecasting using Machine Learning Algorithms</p>
5	28-01-2023	<p>Dr.M.Ramprasath, Assistant Professor, Department of Data Science and Business Systems,SRMIST,Chennai Mail:mramprasath@gmail.com</p>  <p>Topics: Machine Learning and Deep Learning in the age of Augmented Innovation</p>	<p>Mr.Mohamed Niyamathullah Founder of Thinkin Lab Vellore. E-mail:founder@thinkinlab.com</p>  <p>Topics: Hands on Session using ML Algorithm</p>

5 Days FDP on “MACHINE LEARNING&DEEP LEARNING”
[23.01.2023 to 28.01.2023]

List of Internal Participants

Sno	Name	Designation	Department
1.	Mrs.T.Amutha	Assistant Professor	AI&DS
2.	Mr.K.Saravanan	Assistant Professor	AI&DS
3.	Ms.N.Parveen Banu	Assistant Professor	AI&DS
4.	Mrs.M.Kalaiselvi	Assistant Professor	AI&DS
5.	Ms. M. Lakshana	Assistant Professor	AI&DS
6.	Dr.J.Suresh	Associate Professor	CSE
7.	Mrs.R.Sasikala	Assistant Professor	CSE
8.	Mrs.V.Gomathi	Assistant Professor	CSE
9.	Mr.K.Mahadevan	Assistant Professor	CSE
10.	Mr.M.Mohamed Nizarudeen	Assistant Professor	CSE
11.	Mrs.F.Shakilabanu	Assistant Professor	CSE
12.	Dr. Arul Sindhya J	Associate Professor	CSE
13.	Mrs.M.Anitha	Assistant Professor	CSE
14.	Mrs.M.Vijayalakshmi	Assistant Professor	CSE
15.	Mrs. Anne Pratheepa R	Assistant Professor	CSE

CERTIFICATE



(Approved by AICTE and affiliated to Anna University, Chennai
27, Thayanur, Trichy - 620009)

CERTIFICATE OF PARTICIPATION

This certificate is presented to

Mr/Ms VIJAYALAKSHMI M

for his/her successful participation in the National Level FDP on **Machine Learning and Deep Learning**, which was organised by the Department of CSE and AI&DS from 23-01-2023 to 28-01-2023.

Dr. J. SURESH
HOD (CSE)

Mrs. T. AMUTHA
HOD (AI&DS)

Dr. S. SHANTHI
Principal