Faculty Development Programme on Advanced Antenna Technologies for Sensing and Imaging Applications

Director's Message:

Dr. K. L. Narayana, Director, IcfaiTech



IcfaiTech (Faculty of Science & Technology) is a constituent of the ICFAI Foundation for Higher Education (IFHE). By organizing this Faculty Development Program (FDP) on **Advanced Antenna Technologies for Sensing and Imaging Applications**, IcfaiTech aimed to equip faculty members and researchers with the latest advancements in antenna technology, nurturing a community of critical thinkers and innovators capable of addressing real-world challenges. This FDP has provided an excellent platform for participants to deepen their understanding of antenna design and its applications in cutting-edge fields like sensing and imaging. Through this program, our institution has

strengthened the bridge between theoretical concepts and practical implementations, offering insights into how these technologies can be applied in various sectors, including telecommunications, healthcare, and defense. With this initiative, we have laid a strong foundation for future research and collaboration in advanced antenna technologies. I am confident that the knowledge gained during this program will enable our faculty and researchers to drive innovative projects that address critical issues and enhance the quality of education and research in this domain. As we continue to foster such scientific engagements, I believe this is just the beginning of a series of impactful events that will contribute to solving real-time technological challenges.

About Dept. of ECE:

The Department of ECE came into existence in 2002 and it offers Campus based fulltime Program. The course objective is to nurture young minds towards learning the concepts of electronics and communication engineering and apply these concepts in real world applications ranging from 6G wireless networks, RF and Microwave Communications, VLSI Tech and IOT Applications. The department's ultimate goal is to educate and groom our students to be equipped to apply engineering concepts, methods, and systems to make notable contributions to the development of the real world. Significant efforts have been made to set up top-notch laboratories equipped with necessary hardware and simulation software in electronics, communication, digital signal processing, RF and microwave engineering, embedded systems, microcomputers, and VLSI design.

The department provides cross-cutting knowledge and learning systems for students to help them pursue their interests through interdisciplinary courses and projects. The curriculum includes new scientific and technical advancements through regular amendments that follow intensive brainstorming sessions with industry, alumni, and academic stakeholders. It is recommended for undergraduate students to work on a variety of research projects and gain experience in the industry. All faculty members of our department have outstanding academic backgrounds and are remarkably motivated to supervise the students to achieve noteworthy milestones. We have 13 faculty members, 2 technical staff, several research scholars, and many industry professors associated with our department. Several faculty members regularly review technical articles for journals and serve on the editorial boards of both national and international journals. We work hard to ensure that young brains are prepared to tackle any difficulty in the real world by following the trends in the market. To help with this, the department provides a wide range of electives and open elective courses, giving students plenty of alternatives to follow their interests.

The department has four main research groups— RF and Microwave Communication, Antenna Design, IOT, and VLSI Design Group—to prepare students for higher studies and research. With the use of innovative technologies, we earnestly hope to contribute to the advancement of society by offering solutions to significant societal issues. The department of ECE at IFHE Hyderabad has been approved as a Nodal Center by the Indian Institute of Remote Sensing (IIRS) Dehradun in association with the Indian Space Research Organization (ISRO) under the Outreach Programs that IIRS, ISRO, and Dehradun conduct. Being such a Nodal Centre, the department provides a strong platform for interested faculty and students to register for online courses offered by IIRS, ISRO, and Dehradun

About the Faculty Development Program:

The FDP on "Advanced Antenna Technologies for Sensing and Imaging Applications" aims to equip participants with in-depth knowledge of modern antenna technologies used in sensing and imaging. The program covers key aspects like design, simulation, and practical applications of advanced antennas. Participants will learn to apply these technologies in various domains such as biomedical imaging and environmental monitoring, enhancing their research and teaching capabilities in this cutting-edge field

Objective of the FDP

- The objectives of the FDP are to equip participants with a deep understanding of both fundamental and advanced antenna design principles, focusing on their critical roles in modern sensing and imaging systems.
- This FDP will provide an opportunity to highlight cutting edge technologies and recent trends in the field of RF Microwave, and antenna design for Biomedical sensing technologies.
- It will further give impetus to the participants towards bringing out newer and efficient techniques.
- Expert invited speakers from both industry and academia with their vast research experience in various fields will arouse the participants for the development of communication engineering.

Key Components of the Program

1. Design of Advanced Antennas:

- **Theory and Principles:** Participants have learned about the fundamental principles of antenna design, including key parameters such as frequency, radiation pattern, gain, and impedance matching.
- **Innovative Techniques:** The program has covered modern design techniques and technologies used to develop advanced antennas, such as microstrip antennas, phased arrays, and metamaterials for the specified sensing and imaging applications.

2. Practical Applications:

- **Biomedical Imaging:** Explore how advanced antenna technologies are applied in biomedical imaging, including techniques like microwave imaging and radarbased systems for medical diagnostics and treatment monitoring.
- **Environmental Monitoring:** Understand the use of antennas in environmental monitoring applications such as remote sensing, weather radar, and pollution detection.

3. Research and Teaching Enhancement:

- **Research Opportunities:** The FDP has highlight emerging research areas in antenna technologies and provide insights into ongoing advancements and challenges in the field.
- **Teaching Integration:** Participants will gain knowledge on how to integrate these advanced topics into their teaching curriculum, thereby enriching their academic programs and preparing students for careers in this evolving field.

Benefits to Participants

- Enhanced Knowledge: Gain in-depth knowledge of the latest advancements in antenna technologies and their applications in sensing and imaging.
- **Practical Skills:** Develop practical skills in designing, simulating, and applying advanced antennas to real-world problems.
- **Research Advancement:** Improve research capabilities by understanding current trends and future directions in antenna technology.
- **Teaching Enrichment:** Upgrade teaching materials and methods by incorporating cutting-edge content into educational programs.

Overall, the FDP aims to equip participants with the skills and knowledge necessary to advance their research, contribute to the academic community, and effectively teach emerging technologies in the field of antenna systems for sensing and imaging applications.

Registration Process: for the Faculties

Link for Registration: https://tinyurl.com/5n8k5yf9

Registration Process: for the Industry Experts

Link for Registration: https://tinyurl.com/5n8k5yf9

Registration Process: for the Research Scholars

Link for Registration: https://tinyurl.com/5n8k5yf9

Registration Process: for the students

Link for Registration: https://tinyurl.com/5n8k5yf9

Registration fees: NIL

Faculty members in higher education institutions and research scholars with a passion for teaching and aspirations to pursue it as a career are invited to register. Registration is free, and initially, 100 seats are available on a first-come, first-served basis. Due to an enthusiastic response, the seat limit has been expanded to 200.

- --- IMPORTANT DATES: --

- REGISTRATION ENDS ON: 30/08/2024

- FINAL PARTICIPANTS ANNOUNCED: 31/08/2024

- FDP DAY 1: 02/09/2024

Selection Process:

The selection process for registration follows these steps:

- 1. Online Registration: Participants must complete the online registration form, providing necessary details.
- 2. First-Come, First-Served: Initially, 100 seats are allocated based on the order of registration. Early applicants are prioritized until this limit is reached.
- 3. Seat Expansion: Due to high demand, the total seat capacity is increased to 200. Additional seats will also follow the first-come, first-served rule for allocation.
- 4. Confirmation of Registration: Once registered, applicants will receive a confirmation email or notification indicating their selection status and further instructions.
- 5. Waitlist: If registrations exceed 200, subsequent applicants will be placed on a waitlist and notified if seats become available.

Online Talk of the resource persons was held on 02/09/2024 (Monday) via Google Meet platform with the following details:

List of Participants

- 1. Dr. Asisa Kumar Panigrahy, IcfaiTech, IFHE, Hyderabad
- 2. Dr. Asisa Kumar Panigrahy, IcfaiTech, IFHE, Hyderabad
- 3. Dr. Soumit Samadder Chaudhury, IcfaiTech, IFHE, Hyderabad
- 4. Mrs. Swarna Latha Dronamraju, IcfaiTech, IFHE, Hyderabad
- 5. Dr. M. Priyadharshini, IcfaiTech, IFHE, Hyderabad
- 6. Dr. SYED SHAKEEL HASHMI, IcfaiTech, IFHE, Hyderabad
- 7. Mr. Abhiram D
- 8. Ms. SHAIK RESHMA, VIT-AP University
- 9. Mrs. Neetu Chikyal, Vasavi College of Engineering Hyderabad
- 10. Mr. Karthikeyan T A, Karunya Institute of Technology and Sciences
- 11. Dr. Sivasubramanyam Medasani, KSSEM, Bangalore
- 12. Dr. K BHARGAVI
- 13. Dr. Ravi Sankar puppala, VRSEC, Vijayawada
- 14. Mrs. Aswani Lalitha , CIT, Guntur
- 15. Dr. D Naga Ravikiran, CIT, Guntur
- 16. Dr. C RAJU, SVCE, Tirupathi, Andhra Pradesh
- 17. Mr. Yele Srikanth, IcfaiTech, IFHE, Hyderabad
- 18. Mr. NAVATH SHIVA SAI MANIKANTA, IcfaiTech, IFHE, Hyderabad
- 19. Dr. A. Rajesh, ACE Engineering college, Hyderabad

- 20. Mr. Rama Krishna Merugumalli, SRM Institute of Science and technology
- 21. Mr. Uday kiran, IcfaiTech, IFHE, HyderabadMs. K greeshma reddy, IcfaiTech, IFHE, Hyderabad
- 22. Dr. K. PRAHLADA RAO, SCETW, Hyderabad
- 23. Ms. Surabhi Lata, Maharaja Agrasen Institute of Technology, Delhi
- 24. Dr. Bappadittya Roy, VITAP
- 25. Dr. Dileep Kumar Murala, IcfaiTech, IFHE, Hyderabad
- 26. Mrs. SWATHI VEJENDLA, Sir CRR COLLEGE OF ENGINEERING, Eluru
- 27. Mr. Madaka Narendra Kumar, Sir CRR College of Engineering, Eluru
- 28. Mrs. Nallamothu Suneetha, Sir CRR College of Engineering, ELuru
- 29. Dr. K.Chanthirasekaran, Saveetha Engineering College, Chennai
- 30. Dr. K. J. Silva Lorraine, Sir CRR college of engineering, Eluru
- 31. Dr. IMRAN HUSSAIN S, Saveetha Engineering College, Chennai
- 32. Mr. Kasireddy Santhosh Ananthasai, IcfaiTech, IFHE, Hyderabad
- 33. Mrs. P. Mohana Sunthari, KSRIET
- 34. Mrs. V Kavita, JNTU
- 35. Mr. R Dhananjeyan, SRM Valliammai Engineering college
- 36. Dr. M.Paranthaman, KCET
- 37. Ms. Merlyn Sylvester, IEHE, Bhopal
- 38. Mr. J.Karthi, Rajalakshmi Engineering College
- 39. Mr. Dinesh Kumar Sain, Bikaner technical University, Bikaner
- 40. Mr. Venkatesh P, Ramco institute of technology
- 41. Dr. RAMESH S, SRM VALLIAMMAI ENGINEERING COLLEGE, CHENNAI
- 42. Mrs. JHANANI SHREE U, Rajalakshmi Engineering College
- 43. Ms. Brenda M, Rajalakshmi Engineering College
- 44. Dr. Rajesh G, New Horizon College of Engineering
- 45. Mr. NALLAM RAMAKUMAR, Aditya college of Engineering
- 46. Dr. V N KOTESWARA RAO DEVANA, Aditya University
- 47. Ms. Sathya R, Rajalakshmi Engineering College
- 48. Mr. IDRISH SHAIK, BAPATLA ENGINEERING COLLEGE BAPATLA
- 49. Mr. Trinadh Rajanala, Sir C.R.Reddy College of Engineering
- 50. Mr. L FRANKLIN TELFER, Rajalakshmi Institute of technology
- 51. Ms. Trishna Doloi, Dibrugarh University
- 52. Mr. P NAVEEN TRINADH, V.K.R., V.N.B. and A.G.K. College of Engineering
- 53. Dr. Ramesh Babu sadineni, RVRJC college of engineering
- 54. Ms. Janani K S, Panimalar Engineering College
- 55. Mr. Surendra Babu Velagaleti, Sir C R Reddy College of Engineering
- 56. Mr. Physics, Dibrugarh University
- 57. Dr. Zahid Ahmad Bhat, Higher Education Department
- 58. Mrs. ANITHA MARY M, RAJALAKSHMI ENGINEERING COLLEGE
- 59. Mr. Garaga sravan revanth, Bonam venkata chalamayya
- 60. Mr. Suyash Kumar Singh, IIIT ALLAHABAD
- 61. Ms. B Yamini Supriya, Koneru Lakshmaiah education foundation

- 62. Ms. Priyanka Devi S, Rajalakshmi engineering college
- 63. Mrs. Nivedaa Ganesan, SRM TRP Engineering College
- 64. Dr. Ranjith Kumar Painam, KHIT, Guntur
- 65. Ms. Tamilarasi M, Rajalakshmi Engineering College
- 66. Mr. LAVURI SANKAR, WEST GODAVARI INSTITUTE OF SCIENCE AND ENGINEERING
- 67. Mr. Asokan V, Rajalakshmi Engineering college
- 68. Dr. Sathish M, Rajalakshmi Engineering College
- 69. Mr. Vinod Babu Pusuluri, RGUKT Nuzvid
- 70. Mr. Ganesamoorthy R, Rajalakshmi Engineering College
- 71. Mr. CH. M. V. SIVA PRASAD, Saveetha Institute of Medical and Technical Sciences
- 72. Dr. ANITHA G, Saveetha School of Engineering
- 73. Dr. Kandasamy K, Anna University Regional Campus Coimbatore
- 74. Dr. N. Subhashini, SRM VALLIAMMAI ENGINEERING COLLEGE
- 75. Mrs. Vijayluxmi, Jaipur National University, Jjaipur
- 76. Ms. BLESSY SHARON GEM. J, PANIMALAR ENGINEERING COLLEGE
- 77. Mr. Partha Sarathi Padhy, Roland Institute of Technology Berhampur
- 78. Dr. Swapnil Lahudkar, JSPMs Imperial College of Engineering and Research
- 79. Mr. Sandeep Rana, G.B. Pant Institute of Engineering and Technology, Uttarakhand
- 80. Mr. Aarakanti Prakash, Apollo computing laboratories pvt Ltd
- 81. Ms. Meenakshi Aishwarya R, Rajalakshmi Engineering College
- 82. Mrs. Jasmine christina Xavier, Saveetha school of engineering
- 83. Mr. K Rohan Uma Shankar, VNR VJIET
- 84. Mrs. Swapna Kumari Budarapu, Gurunanak Institute of Technology
- 85. Ms. Logapriya S, Rajalakshmi Engineering College
- 86. Dr. Gayatri Tangirala, Joginpally B.R. Engineering College
- 87. Dr. Srinivasu Garikipati, Joginpally B.R. Engineering College
- 88. Mr. R.Arivarasu, MITS
- 89. Mrs. SATHIYA M J, Saveetha school of engineering
- 90. Mr. BOOPATHI RAJA G, Velalar College of Engineering and Technology
- 91. Dr. Rahul Krishnan, SRM Institute of Science and Technology
- 92. Mr. Kakumanu Naga Raju, Bapatla Engineering College
- 93. Mr. Venkataramanaiah G, NBKR Institute of Sciencde and Technology
- 94. Mr. N DILIP KUMAR, Annamacharya Institute of Technology and Sciences
- 95. Dr. Sajeed Sirajuddin M, Dnyanshree Institute of Engineering and Technology
- 96. Dr. Ch V Ravi Sankar, Aditya University
- 97. Mr. Udhayanan S, VIT vellore
- 98. Dr. Anjanna Matta, Faculty of Science and Technology
- 99. Dr. Devesh Tiwari, Graphic Era Hill University, Dehradun
- 100. Mrs. SATHIYA M J, Saveetha school of engineering
- 101. Dr. K.Ramasamy, Kalaignar Karunanidhi Institute of Technology
- 102. Dr. Rajesh Kumar D, Vel Tech RR and SR University
- 103. Dr. V A Sankar Ponnapalli, ICFAI Foundation for Higher Education

- 104. Mr. Anandaselvakarthik.T, Hindusthan College of Engg. and Tech.
- 105. Dr. Padavala Akhendra kumar, IcfaiTech, IFHE, Hyderabad
- 106. Mrs. K Devaki Devi, VKR, VNB and AGK College of Engg.
- 107. Dr. G Harinatha Reddy, NBKR Institute of Science and Tech.
- 108. Dr. S.SARAVANAN, NBKR Institute of Science and Tech.
- 109. Dr. Rajesh Kumar Jha, IcfaiTech, IFHE, Hyderabad
- 110. Mr. G V P Chandra Sekhar Yadav, DVR and Dr HS MIC College of Technology
- 111. Mr. Josiah Samuel Raj J, SIMATS, Chennai
- 112. Ms. SASIREKHA D, Rajalakshmi Engineering College
- 113. Ms. RANJITHA M, Puducherry Technological University
- 114. Mrs. B Santhikiran, Andhra Loyola Institute of Engg and Tech.
- 115. Mr. K V Balaramakrishna, Aditya College of Engg. and Tech.
- 116. Dr. K Mariya Priyadarshini, Andhra Loyola Institute of Engg. and Tech.
- 117. Mrs. Gaddam Anjali kumari, Chalapathi institute of technology
- 118. Ms. K.laxmi varshini, IcfaiTech, IFHE, Hyderabad
- 119. Ms. Chilukuri Kruthika, IcfaiTech, IFHE, Hyderabad
- 120. Mr. Shaik Asif, KLH Bowrampet Hyderabad
- 121. Ms. Y Dhruthi, IcfaiTech, IFHE, Hyderabad
- 122. Dr. S. BHAVANI, SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE
- 123. Mr. S CHIRANJEEVI REDDY, KL UNIVERSITY VIJAYAWADA
- 124. Ms. Doodem harini, IcfaiTech, IFHE, Hyderabad
- 125. Mr. Kaari Murali, Sri Sai institute of technology and science
- 126. Mr. Vinaykumar Kandigai, University of Delhi
- 127. Mr. V V B Anjaneya Prasad, IIT MADRAS
- 128. Dr. Sweety Jain, Samrat Ashok Technological Institute Vidisha
- 129. Dr. Sayi Soundariya S, SRM UNIVERSITY
- 130. Dr. V S D REKHA, PVP Siddhartha Institute of Technology
- 131. Dr. Surya Prasada Rao Borra, PVP Siddhartha Institute of Technology
- 132. Dr. G. Soundarya, Dr. Mahalingam College of Engg. and Tech.
- 133. Mr. SEVAGAN S, National Institute of Technology, Tiruchirappalli
- 134. Ms. G Suneetha, KL UNIVERSITY
- 135. Mrs. MENAKADEVI N, Karpagam Institute of Technology
- 136. Dr. Nagendra Ralla, Sree Rama Engineering College, Tirupati
- 137. Dr. Dr. M. PRIYADHARSHINI, IcfaiTech, IFHE, Hyderabad
- 138. Mrs. Esther D, IIITDM, Kancheepuram
- 139. Mrs. K.Kavitha, Hindusthan College of Engineering and Technology
- 140. Mrs. GAYATHIRI M, Hindusthan College of Engineering and Technology
- 141. Dr. G KARTHIK REDDY, MLR Institute of Technology
- 142. Dr. T S Arulananth, MLR INSTITUTE OF TECHNOLOGY
- 143. Dr. VIJAYA KUMAR VELPULA, MLR INSTITUTE OF TECHNOLOGY
- 144. Dr. Manoj Kumar, MLR INSTITUTE OF TECHNOLOGY

145. Dr. Potharaju Yakaiah, MLR INSTITUTE OF TECHNOLOGY 146. Mr. KHOBRAGADE PITHAMBER, MLR INSTITUTE OF TECHNOLOGY 147. Mr. SYAMBABU VADLAMUDI, MLR INSTITUTE OF TECHNOLOGY 148. Dr. D.Laxma Reddy, MLR INSTITUTE OF TECHNOLOGY 149. Dr. Kiran Chand Ravi, MLR INSTITUTE OF TECHNOLOGY 150. Dr. K Nishanth Rao, MLR INSTITUTE OF TECHNOLOGY 151. Mrs. SAILAJA MUMMALA, MLR INSTITUTE OF TECHNOLOGY 152. Mrs. GARRE DURGA SOWJANYA, MLR INSTITUTE OF TECHNOLOGY 153. Dr. Ganesh Miriyala, MLR INSTITUTE OF TECHNOLOGY 154. Ms. Mary kannidi, MLR INSTITUTE OF TECHNOLOGY 155. Mrs. Geetha yerramsetti, MLR INSTITUTE OF TECHNOLOGY 156. Mr. K.Purushotham, MLR INSTITUTE OF TECHNOLOGY 157. Mr. K.mani raj, MLR INSTITUTE OF TECHNOLOGY 158. Mrs. Monika Sirigiri, MLR INSTITUTE OF TECHNOLOGY 159. Ms. BADEPALLI SIREESHA, MLR INSTITUTE OF TECHNOLOGY 160. Dr. Vijetha Tummala, MLR INSTITUTE OF TECHNOLOGY 161. Mrs. P.Sahitya, MLR INSTITUTE OF TECHNOLOGY 162. Mr. S. Naveen Kumar, MLR INSTITUTE OF TECHNOLOGY 163. Ms. Badepalli Anusha, MLR INSTITUTE OF TECHNOLOGY Mr. LADI SANDIP kumar patra, MLR INSTITUTE OF TECHNOLOGY 164. 165. Dr. NAVEENKUMAR TADIKONDA, VR Siddhartha Engineering College 166. Mr. Madhusudana rao Ranga, VR Siddhartha Engineering College 167. Ms. Nadar Akila P Mohan, Saveetha Engineering College 168. Dr. Yechuri Sivaramakrishna, MLR INSTITUTE OF TECHNOLOGY 169. Dr. Shrikant Upadhyay, MLR INSTITUTE OF TECHNOLOGY 170. Mr. CHINTHAKINDI BABAIAH, MLR INSTITUTE OF TECHNOLOGY SAPNA B A, KALAIGNARKARUNANIDHI INSTITUTE OF 171. Dr. TECHNOLOGY 172. Dr. I.SUNDARI, Rajiv Gandhi College of Engg. and Tech. 173. Mr. MUDAVATH RAJU NAIK, MLR INSTITUTE OF TECHNOLOGY 174. Mrs. SHEEBA S, Kalaignar Karunanidhi Institute of Technology 175. Mr. SEVAGAN S, National Institute of Technology, Tiruchirappalli 176. Ms. Pranathi Raghavula, IcfaiTech, IFHE, Hyderabad 177. Mr. Ramakrishna Porandla, PISTW 178. Mr. Dasari Ramesh, PISTW Ms. Nallamothu Abhinaya, MLR INSTITUTE OF TECHNOLOGY 179. Ms. Chevella Sharanya, IcfaiTech, IFHE, Hyderabad 180. Dr. Kiran chand Ravi, MLR INSTITUTE OF TECHNOLOGY 181. 182. Mrs. SHAIK M UNNISHA BEGUM, SITE

Google meet Link: https://meet.google.com/nkm-ukps-eko

Q&A Session: The guest speakers answer the questions from the industry experts and other participants. Anticipate inquiries related to your project's feasibility, scalability, and potential challenges.

Feedback and Evaluation: The feedback form has floated in the group call and evaluated based on innovation, feasibility, presentation skills, and impact criteria

Glimpse of the Feedback Form

Partici Antenn Imagin (02:00	pant Feedback Form-FDP on Advanc a Technologies for Sensing and g <i>Applications</i> -Day4 (05/09/2024) PM-04:00PM)	ed
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Email Id		
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The outcome of the FDP The FDP on "Advacuat America Technologies to Senarg and Imaging Applications" ama to equip participants with in-depth innividage of modern antenna technologies and in regular and imaging. The program covers key aspacts like design simulation, and practical implications of advanced america. Performant will learn to apply thesis technologies in various domains such as boarding capabilities in this research and asching capabilities in the scattrage field. icuting-edge field

About ICFAI Tech Infai Tech (Saulty of Someo & Technology) is a a constituent of The ICFAI Foundation for Higher Education (IFHE), IchaTech ame an antrulog packalaites and researchers who are antrulog packalaites and researchers hom a wide remoted of teaching colling-ofge namonaum workshops and intermitige larther toradem the attellanctual and global outdook of air studentils. our pludents

About the Department of ECE

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Overview

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Objective of the FDP

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- and everys length for Bianedical sensing exhibitiogues.
 the further give impotes to the participants treatment broging suit neares and efficient techniques.
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Registration Details

- Faculty members in the institutions of higher learning.
- Research Scholars have an aptitude for teaching and desire to take up the teaching
- profession as their careet. The registration is free of cost but is limited
- to 100 seats on a first-come-first-server Basis.

Last date of registration 30th August 2024. Tinse: 10:00 PM **Registration Link:**

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Contact Person:

Dr. Mallavaropu Sendhys (Coordinator) Assistant Professor, Dept. of ECE.

Faculty of Science and Technology (IntelTech). SCEAL Foundation for Higher Education

Hyderabad-681203, India Email III -

aundhyamaitayarapa@theiisdia.org Phone - 7036650002

*E-certificate will be previousl for all participants

Day/Session	Day1-Monday (2/9/2024) (2:00 PM- 4:00 PM)	Day2- Tuesday (3/9/2024) (11:00 AM- 01:00 PM)	Day3- Wednessday (4/9/2024) (2:00 PM- 4:00 PM)	Day4 - Thursday (5/9/2024) (2:00 PM-4:00 PM)	Day5-Friday (6/9/2024) (3:30 PM-5:30 PM)
Speaker	Dr. Sudha Rani, Defense Electronics Research Laboratory, DRDO.	Prof. Abhinav Kumar, 11T Hyderabad	Prof. L.Anjaneyulu, NIT Warangal	Dr. Kiran Dasari, Manipal University	Dr. Suncel Varma, Astra Microwave Products Ltd

Glimpse of the sessions- FDP

Day-1:











Day-3:





Day-4:





Day-5:





Certificates to the participants:

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Mr. V V	B Anjaneya Prasod, IIT MAD	RAS
has participated in the C Antenna Technologies 2nd-6th September 202 Communication Engin	Duline Faculty Development Pro for Sensing and Imaging / 4 organized by Department cering, IcfaiTech, IFHE, Hyden	ogram on Advanced Applications, during of Electronics and abad.
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aitech CERTI Ms. Surobhi Lata, M	FICATE OF PARTICIP/ This is to certify that	om Helli ATION Technology, Delhi
Ms. Surobhi Loto, M has participated in the C Antenna Technologies 2nd-oth September 202 Communication Engin	CFAI Foundation for Higher Education FICATE OF PARTICIP/ This is to certify that chorojo Agrosen Institute of Online Faculty Development Pro- for Sensing and Imaging / 4 organized by Department eering, IcfaiTech, IFHE, Hyder	om nui) ATION Technology, Delhi ogram on Advances Applications, during of Electronics and abad.
Antenna Technologies	FICATE OF PARTICIP/ This is to certify that ohorojo Agrosen Institute of Duline Faculty Development Pro- for Sensing and Imaging /	on NTION Technology, Del ogram on Advan Applications, dur

The 5-day online FDP on **Advanced Antenna Technologies for Sensing and Imaging Applications**, organized by Dr.M. Sandhya (Co-ordinator), Department of ECE, IcfaiTech, IFHE, Hyderabad highlighted significant advancements and future directions in the field. The sessions demonstrated how these technologies have greatly enhanced sensing capabilities, offering higher resolution, greater sensitivity, and wider frequency ranges, which are vital for applications in environmental monitoring, medical diagnostics, and security. The trend toward miniaturization and increased efficiency has made these technologies more applicable to portable and embedded systems. Nevertheless, challenges related to cost, complexity, and scalability persist, emphasizing the need for ongoing research and development. The profound impact on both academic research and industry underscores the role of such FDPs in driving technological innovation and economic growth. Continuous education and training are crucial for professionals to stay abreast of these advancements, highlighting the importance of programs like this in providing the latest knowledge and skills.