



Bhoj Reddy Engineering College for Women



(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE and affiliated to JNTUH)

Vinayanagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in

10th August 2023

Report of Guest Lecture on “Awareness Program on Professional Bodies Membership and its benefits” organized at Bhoj Reddy Engineering College for Women on 7th August 2023-Reg.

Electronics and Communication Engineering (ECE) Department conducted an Awareness Program on “Professional Bodies membership and its benefits” for I and II B Tech ECE students on 7th August 2023 and the program is scheduled from 2.30pm to 4.30pm at Ramdev Indoor Auditorium, Bhoj Reddy Engineering College for Women. Dr.I.Sharath Chandra , Associate Professor at Matrusri Engineering College , Saidabad and member of IETE and ISTE Telangana State section Committee member , Dr. Nukala Srinivasa Rao , Honorary Treasurer, IETE, O.U Campus , Hyderabad Centre and Dr. Sarveswara Rao ,retired scientist DRDO were the resource persons who has given a lecture regarding the rules and regulations of IETE under IETE Student Chapter for enhancing the knowledge of the students and various benefits for IETE membership. Inaugural function was attended by the Speakers Dr. Nukala Srinivasa Rao, Dr.I.Sharath Chandra, Dr. Sarveswara Rao ,Principal Dr E Madhusudhana Reddy, ECE-HOD S Manjula, IETE Student Forum (ISF) Radhika Rayeekanti, ECE staff I and II ECE A, B & C students.

Speaker:



Dr. Nukala Srinivasa Rao, Honorary Treasurer, IETE, O.U Campus

A Distinguished Professor offering over 29 years of experience in the academia - industry sector.

He is presently working as Professor & Head of the E.C.E Department, Matrusri Engineering College,Saidabad, Hyderabad. He is Life Member, Institute of Electronics and Telecommunication Engineers, New Delhi ,Life Member, Indian Society for Technical Education, New Delhi .

His areas of interest include Electromagnetics, Satellite Communications Signal and Image Processing, Biomedical Engineering, Medical Informatics, Microwaves and Electromagnetic Theory, VLSI Design. He is a life member of ISTE and fellow IETE. He is a Senior Member,IEEE Student Branch .Life Fellow, Institute of Electronics and Telecommunication Engineers, New Delhi (FIETE) .Life Fellow VLSI Society IETE Ranchi.Life

Member, Indian Society for Technical Education, New Delhi (ISTE). Life Member, Instrumentation Society of India, Bangalore. Life Member, Society of EMC Engineers, Bangalore. Life Member, Indian Society of Bio Mechanics, New Delhi .



Dr. Sharath Chandra Inguva,
Associate Professor,
Dept. of ECE, Matrusri Engineering College,
Hyderabad.

Awarded with PhD Degree from GITAM University, Visakhapatnam, Andhra Pradesh, India. He has an experience of 15 Years in teaching B. Tech Graduates. He is currently working as an Associate Professor in the Department of ECE, Matrusri Engineering College.

He has participated and presented papers in several National and International IEEE Conferences and published his research work in high indexed scholastic International Journals. He has published 15 papers in SCOPUS, Web of Science Journals.

He is a member of IEEE and Life member of Technical Chapters like IETE, ISTE. He is currently the treasurer of IEEE Signal Processing Society chapter of Hyderabad section. He has worked as the subcommittee member of IETE Hyderabad centre during 2018-2020 and currently the executive council member of IETE Hyderabad Centre. He is also the Executive council member of the Telangana State committee of ISTE chapter for the period 2021-2024.

He has made a remarkable impact on his students and the program. He has elicited invitations for students to participate in national exhibitions, opening their eyes and opportunities. For this Contribution, he was awarded with “**Outstanding Educator award**” for the year 2019 from **International Institute of organized research, (I2OR)** during 4th International Convention on Interdisciplinary Research for Sustainable Development 2020 (IRSD 2020).

Banner:



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Department of Electronics and Communication Engineering Presents

A Guest Lecture |

On

"Awareness Program on Professional Bodies Membership and its benefits"

by

Dr. Nukala Srinivasa Rao, Honorary Treasurer, IETE, O.U Campus

Dr. I. Sharath Chandra, Associate Professor at Matrusri Engineering College, Saidabad,
member IETE and ISTE Telangana State section Committee member

Dr. Sarveswara Rao, Retd. Scientist DRDO

7th August 2023

Venue: Indoor Auditorium, Ramdev Block (RIA)

Dr. I. Sharath Chandra, member of IETE, OU Campus, Hyderabad Centre has given introduction about IETE and explained about the importance of Professional Bodies for an Organization and registering for student membership. IETE established in 1953 and has almost 1,25,000 plus members registered for IETE professional body and 63 centres all over India.

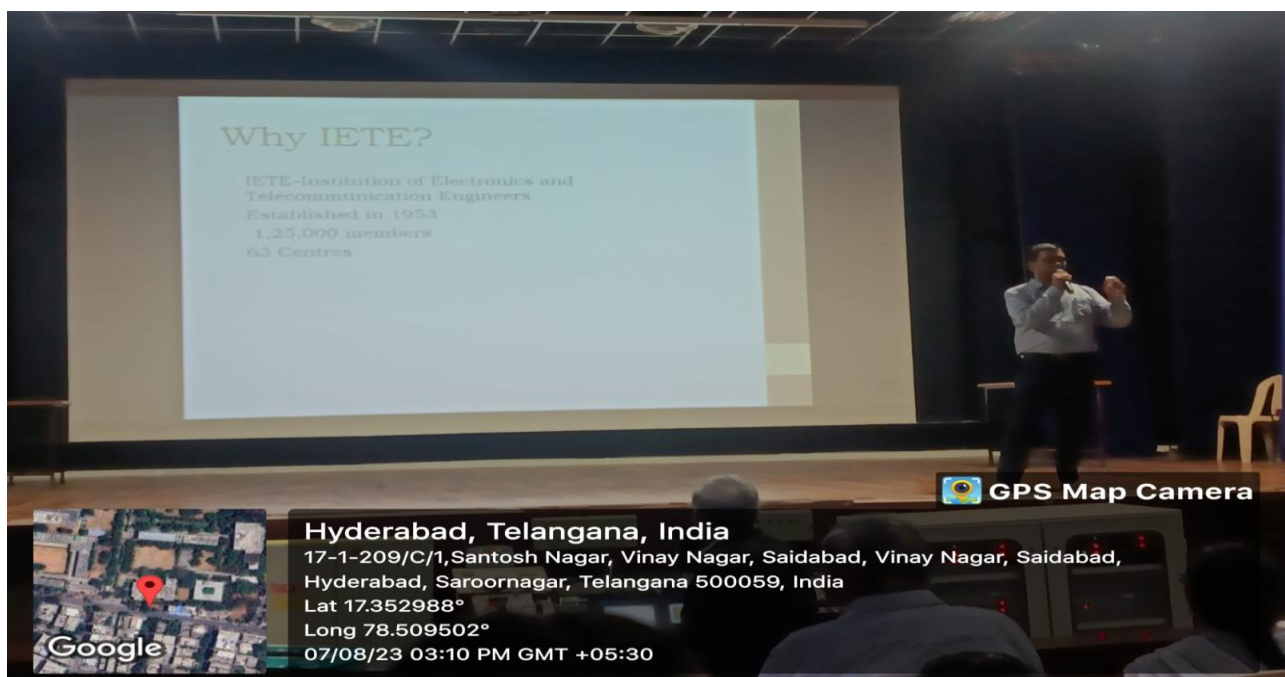


Figure: Dr. I. Sharath Chandra is explaining about the importance of IETE

Resource Person explained why we do need to register for Professional Societies

- Network Opportunities
- Access to resources
- Career Advancements
- Discount and Benefits
- Leadership Opportunities
- Industrial Recognition
- Support and mentorship

He explained about the various regions and centers of IETE.

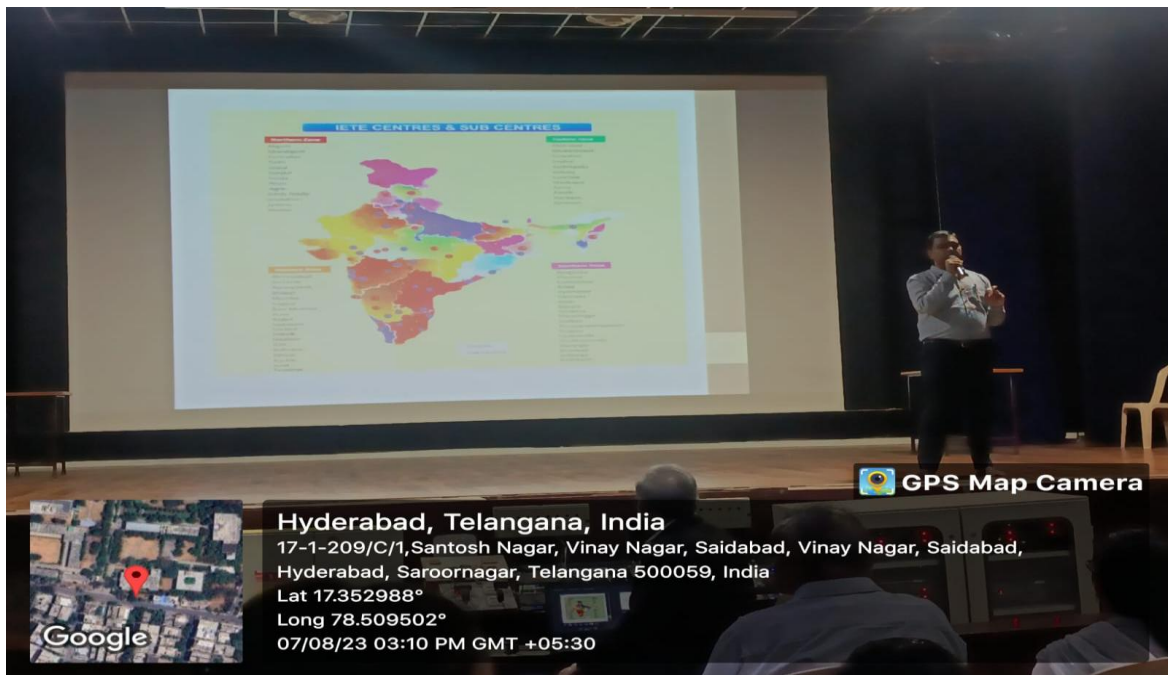


Figure: Dr.I.Sharath Chandra explained various regions of IETE in India

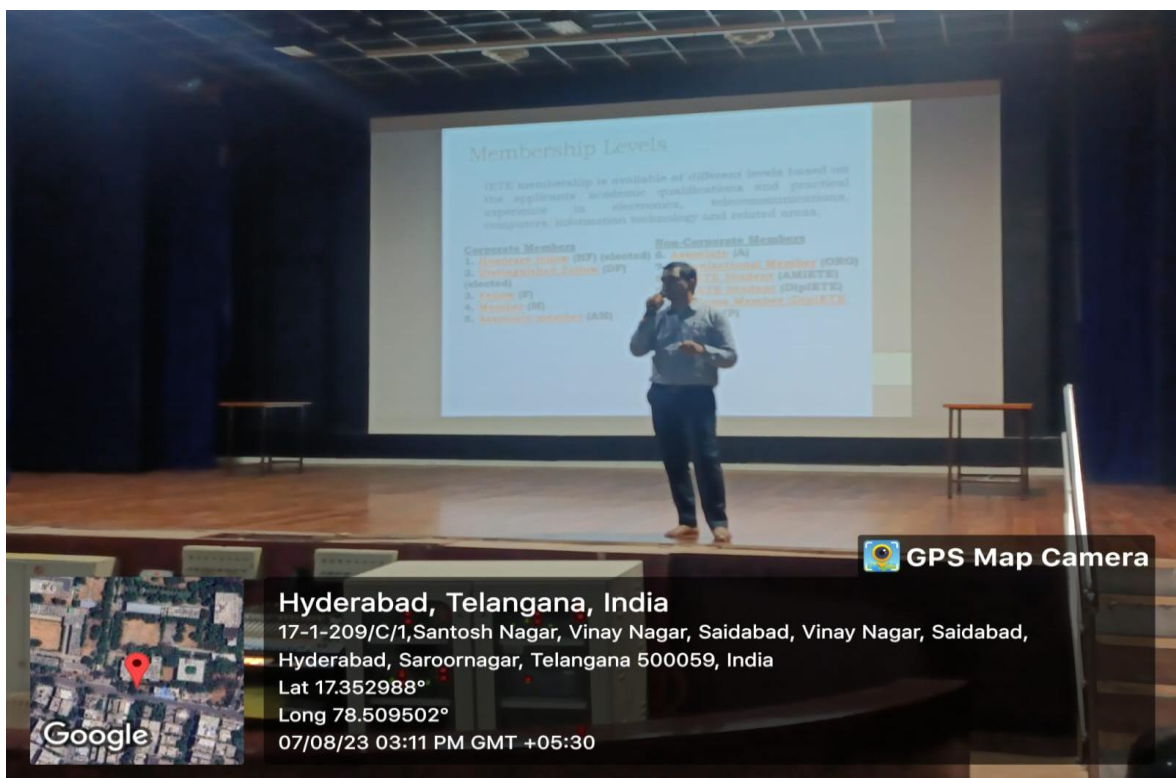


Figure : Dr.I.Sharath Chandra explained the benefits of IETE and various class of memberships



Figure: Dr.I.Sharath Chandra during the Awareness program

N.S Rao Honorary Treasurer, IETE, O.U Campus , Hyderabad Centre informed all ISF coordinators and faculty register for IETE and explained students about the benefits of IETE to attend the workshops and conferences conducted by IETE and at various Engineering Colleges. He also gave a lecture on Cellular and Mobile communications and gave introduction about importance of communications and various areas.

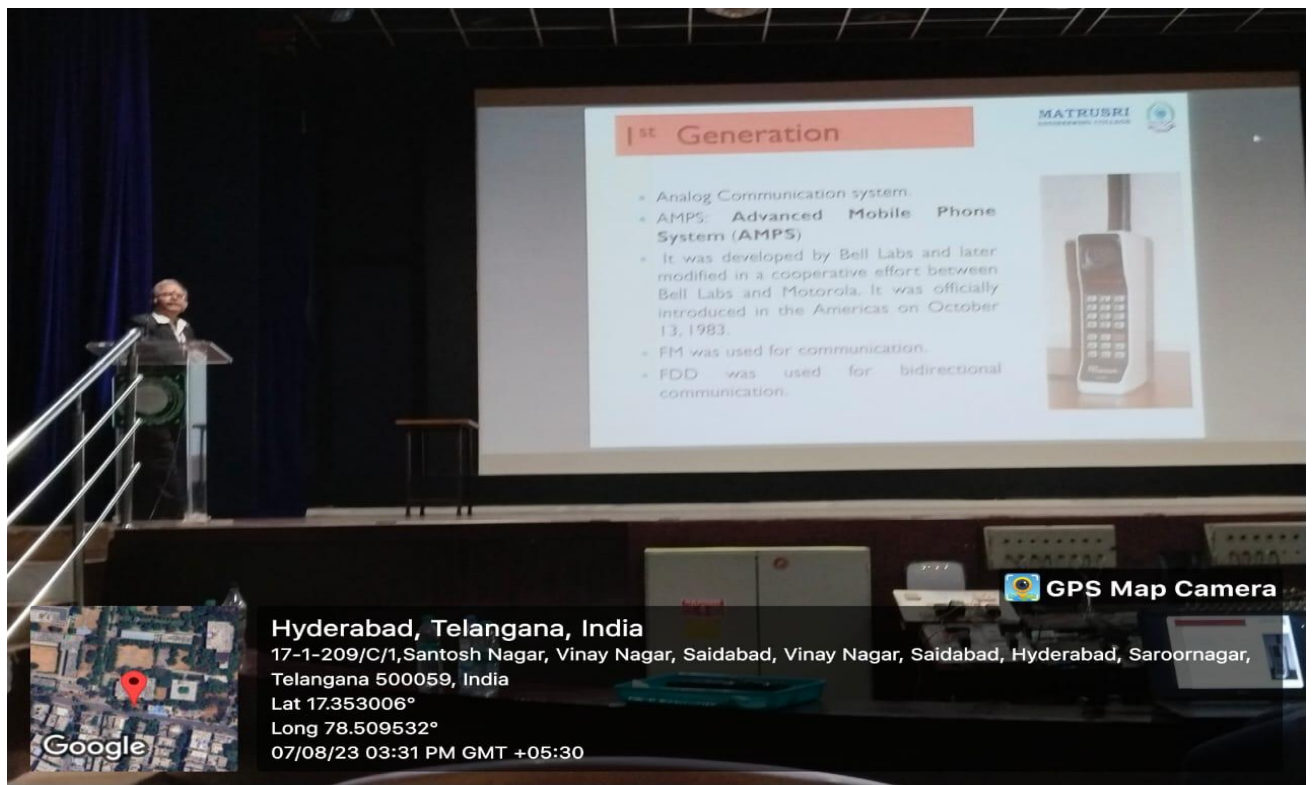


Figure: Dr.N.S Rao explained about technologies and services of communication

He explained about various generations in cellular communications (1G,2G,2.5G ,3G,4G and 5G) services and limitations. The first generation works on analog signals and it has a speed of 2.4Kbps that lacks transmission speed and security. This generation does not support the wireless transmission of data. All these drawbacks with advancements in cellular technologies have led to the inventions like 2G, 3G, 4G, and the latest 5G that works on digital and video transmissions which attracted more users to depend on mobile devices for their services and features in their day-to-day activities.

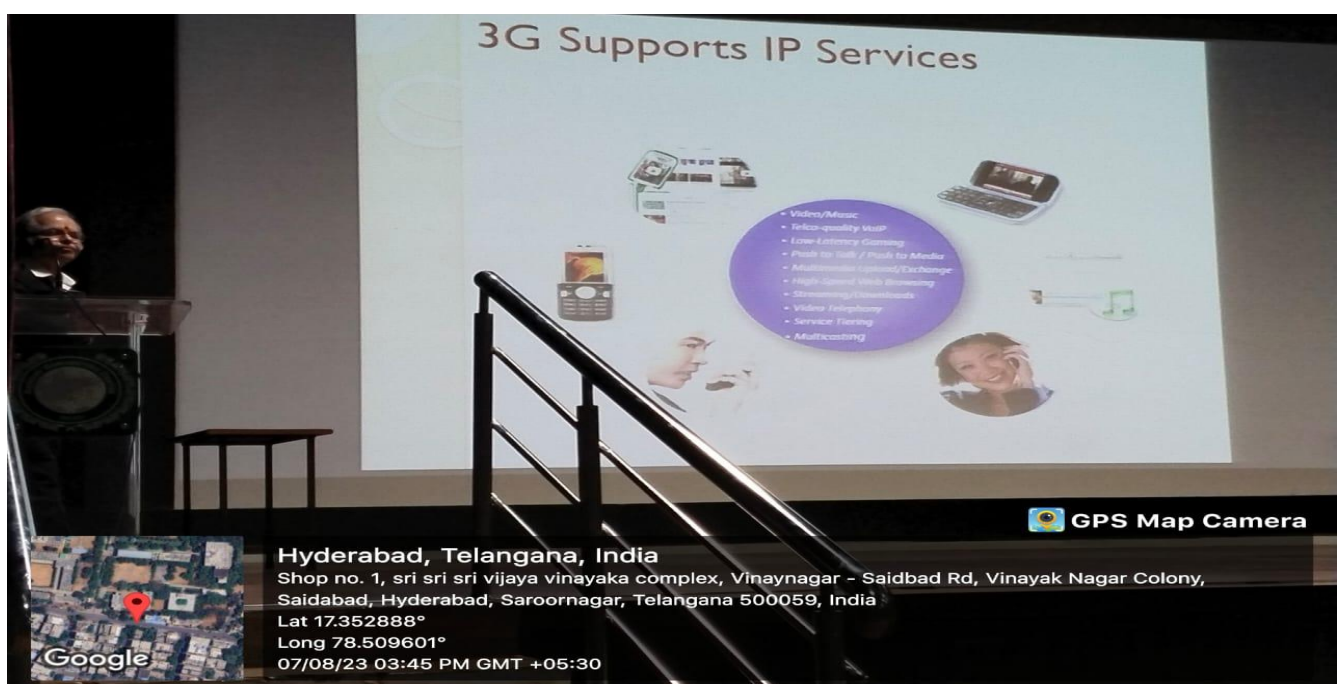


Figure: Dr.N.S Rao explained about technologies and services of communication

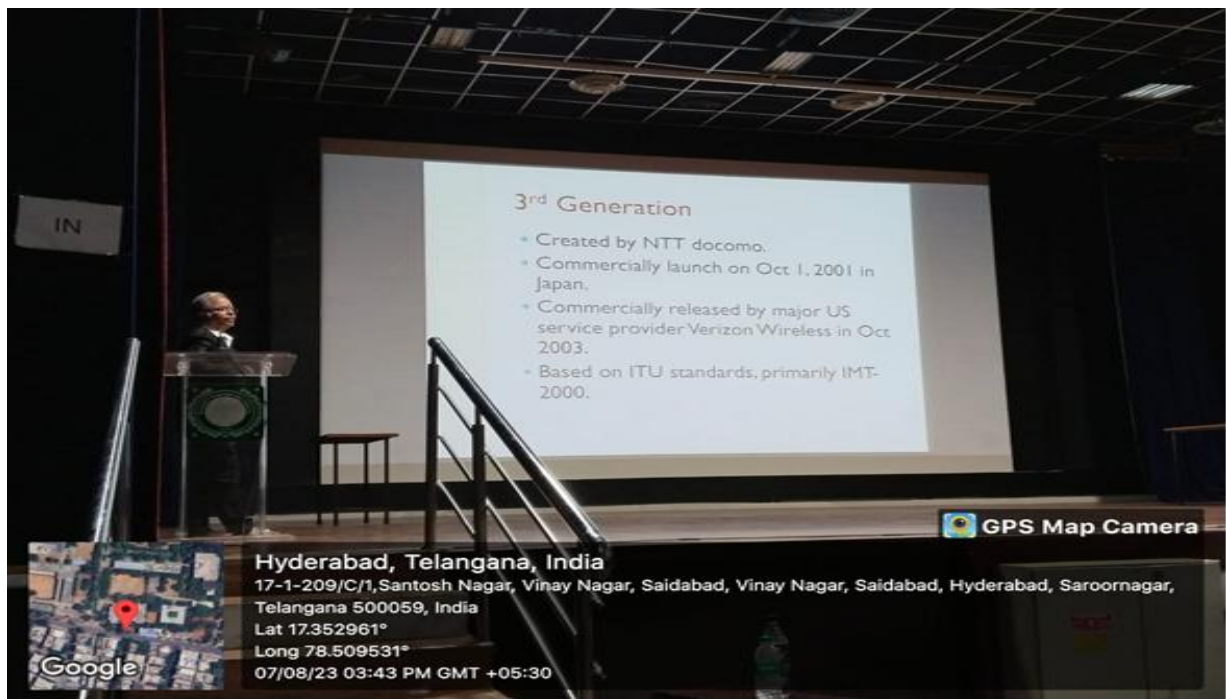


Figure: Dr.N.S Rao explained about technologies and services of communication

He also explained the importance of Cellular networks and it is fundamental technology for mobile phones, personal communication systems, wireless networking etc. The technology is planned to replace high power transmitter/receiver systems for cell radio phones. For data transmission, cellular networks use lower capacity, shorter range, and more transmitters.

It is not a complete wireless technology because the cellular network refers to a large area of mobile networks that is used for network access.

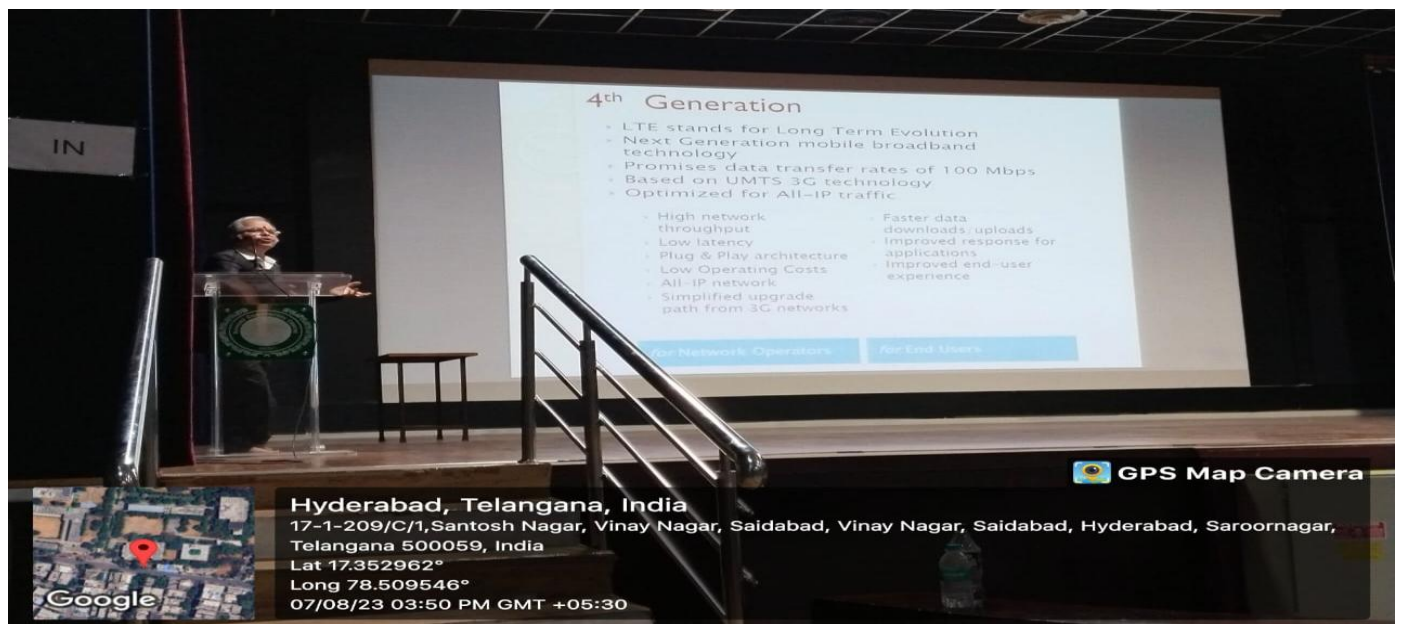


Fig: Dr.N.S Rao explained about 4G services of communication

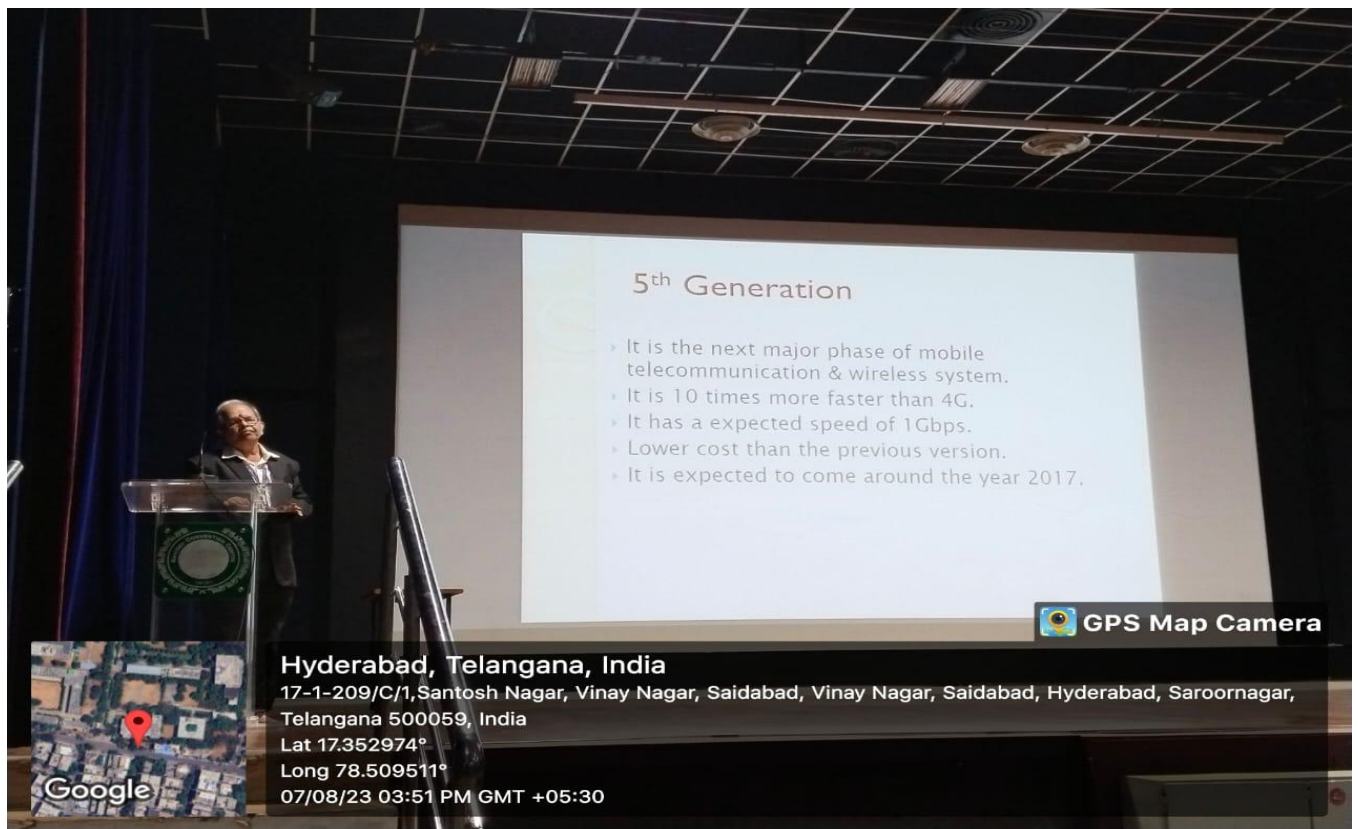
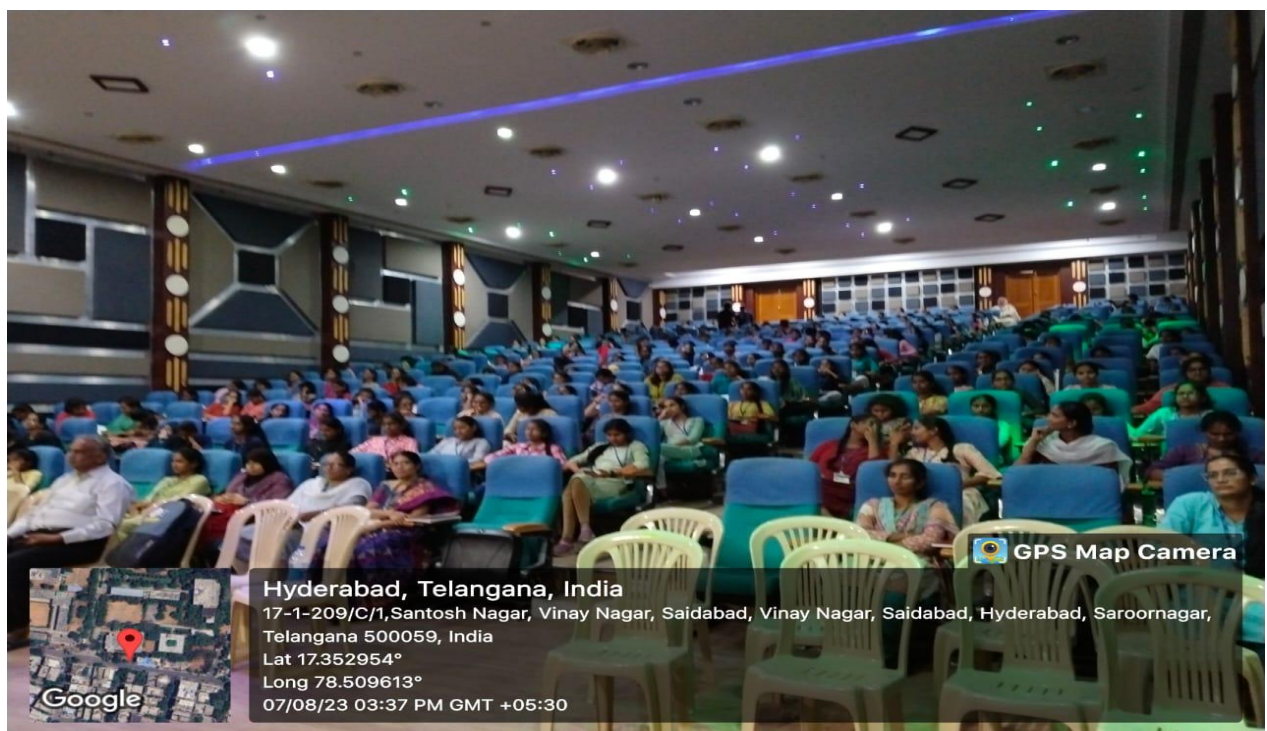


Fig: Dr.N.S Rao explained about 5G services of communication



In conclusion, 4G and 5G technology has revolutionized the way we communicate and access the internet. It provides high-speed internet access and enhanced multimedia features, making it the preferred choice for mobile communication worldwide wireless communications globally is something that people can expect as technology advances.

I would like to thank you for giving me permission to attend the FDP.

Radhika Rayeekanti
Associate Professor,ECE
ISF Coordinator

S Manjula
HoD-ECE

Dr E Madhusudhana Reddy
Principal