



Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA (ECE,EEE,CSE,IT & Mech.) & NAAC)
Sangivalasa-531 162, Bheemunipatnam Mandal, Visakhapatnam District
Phone: 08933-225083/84/87 Fax: 226395

DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

NEWS LETTER-ECE FACULTY - JULY MONTH

1. PROJECTS: NIL
2. PATENTS-AWARDED/PUBLISHED: NIL
3. PUBLICATIONS-BOOKS, BOOK CHAPTERS, RESEARCH ARTICLES & ARTICLES (SCOPUS, SCI, IEEE, WOS Internationally recognized.):
 - (i) Dr.P.Murugapandiyam, Assoc.Prof, ECE, published an Article titled “**Design and analysis of normally-off GaN-HEMT using β -Ga₂O₃ buffer for low-loss power converter applications**” in Micro and Nanostructures in July 2023, in SCI, Elsevier.
 - (ii)Dr.N.Ramkumar, Asst.Prof, ECE, published an Article titled “**Design and analysis of normally-off GaN-HEMT using β -Ga₂O₃ buffer for low-loss power converter applications**” in Micro and Nanostructures in July 2023, in SCI, Elsevier.
4. FACULTY GOT AWARDED PH.D:
 - (i) Mr N.Ramkumar was awarded Ph.D doctorate on 24th July,2023.
5. SCHOLARS GOT AWARDED PH.D UNDER THE GUIDANCE OF DEPT. FACULTY: NIL
6. SEED MONEY RECEIVED: NIL
7. AWARDS & REWARDS(EG: BEST TEACHER AWARD): NIL
8. PAPER PRESENTATIONS IN CONFERENCES/SEMINARS:
 - (i) Mrs Ch.Anoosha, Asst.Prof, ECE presented a paper “**Enhancing crop health by identifying Leaf disease with high accuracy using CNN**” in 2023 thrd International conference on secure cyber computing and communications(ICSCCC 2023) in july 14, 2023, published in IEEE Xplore.
9. RESEARCH GUIDESHIPS/ARTICLE REVIEWERS: NIL
10. CONFERENCES/SEMINARS ATTENDED: NIL
11. NPTEL COURSES AND OTHER MOOCS:NIL

12. FDPS ATTENDED:

- (i) Mr.P.Devi Pradeep, Asst.Prof.,ECE has attended online FDP course titled “Antenna for 5G communications & Beyond” Aditya engg college -kakinada in the duration 3rd July -8th July 2023 (6 Days).
- (ii) Mr.P.Devi Pradeep, Asst.Prof.,ECE has attended online FDP course titled “VLSI Design and Development” NSRIT-VSKP in the duration 7th July -15th July 2023 (6 Days).
- (iii) Mr.P.Devi Pradeep, Asst.Prof.,ECE has attended online FDP course titled “Enhancing faculty Expertize:Communications and signal image processing” Aditya engg college of engg and technology ,kakinada in the duration 10th July -15th July 2023 (6 Days).
- (iv) Mr.R.Chandra Sekhar, Asst.Prof.,ECE has attended online FDP course titled “Antenna for 5G communications & Beyond” Aditya engg college -kakinada in the duration 3rd July -8th July 2023.
- (v) Mr.R.Chandra Sekhar, Asst.Prof.,ECE has attended online FDP course titled “Enhancing faculty Expertize:Communications and signal image processing” Aditya engg college of engg and technology –kakinada in the duration 10th July -15th July 2023 (6 Days).
- (vi) Mr.B.kiran Patrudu, Asst.Prof.,ECE has attended online FDP course titled “Enhancing faculty Expertize:Communications and signal image processing” Aditya engg college of engg and technology –kakinada in the duration 10th July -15th July 2023 (6 Days).
- (vii) Mr.A.Siva Kumar, Asst.Prof.,ECE has attended online FDP course titled “Enhancing faculty Expertize:Communications and signal image processing” Aditya engg college of engg and technology –kakinada in the duration 10th July -15th July 2023 (6 Days).
- (viii) Dr.A.Lakshmi Narayana, Assoc.Prof.,ECE has attended online FDP course titled “Enhancing faculty Expertize:Communications and signal image processing” Aditya engg college of engg and technology –kakinada in the duration 10th July -15th July 2023 (6 Days).
- (ix) Dr.Ch.Padmasree, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (x) Mrs.K.Yashoda, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xi) Mrs.B.Deepa, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xii) Mrs.G.Indira Devi, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xiii) Dr.S.Srinivas, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xiv) Dr B.Somasekhar, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xv) Mrs.D.Nagamani, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad

in the duration 10th July -28th July 2023 (19 Days).

- (xvi) Mrs.G.Gayatri, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xvii) Mrs.Ch.Anoosha, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xviii) Mrs.P.S.M.Veena, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).
- (xix) Mrs.V.Shireesha, Asst.Prof.,ECE has attended online FDP course titled “Deep Learning for NLP and Computer Vision” Chaitanya Bharathi Institute Of Technology Hyderabad in the duration 10th July -28th July 2023 (19 Days).

13. WORKSHOPS ATTENDED: NIL

14. EVENTS CORDINATED BY FACULTY: NIL

15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES:

- (i) An Industry visit to Centurion University, Vizianagaram for all department Heads is arranged on 13th July,2023. Dr B.Jagadeesh, Dr V.Rajya Lakshmi attend the visit.



- (ii) An Industry visit to AU-HUB, Visakhapatnam for all department Heads is arranged on 24th July,2023. Dr B.Jagadeesh, Dr V.Rajya Lakshmi attend the visit.



- (iii) Mrs G.Indira Devi received certificate of Appreciation from NPTEL on 17th July 2023 for being recognized as NPTEL Discipline Star.

Prepared by:

Mrs G.Gayatri
Asst. Prof. ECE,
ANITS.



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DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

NEWS LETTER-ECE FACULTY - AUGUST MONTH

1. PROJECTS: NIL

2. PATENTS-AWARDED/PUBLISHED:

- (i) Mrs G.Indira Devi, Asst Prof, ECE published an Innovation patent titled “IOT BASED DEEP LEARNING APPROACH FOR EEG SIGNAL PROCESSING USING WIRELESS COMMUNICATION” in the organization Intellectual Property India on August 18th, 2023.
- (ii) Mr B.Chandra Mouli, Asst Prof, ECE published an Innovation patent titled “Automated Pot irrigation and IOT based Monitoring” in the organization Intellectual Property India on August 18th, 2023.

3. PUBLICATIONS-BOOKS, BOOK CHAPTERS, RESEARCH ARTICLES & ARTICLES (SCOPUS, SCI, IEEE, WOS Internationally recognized.): NIL

4. FACULTY GOT AWARDED PH.D: NIL

5. SCHOLARS GOT AWARDED PH.D UNDER THE GUIDANCE OF DEPT. FACULTY: NIL

6. SEED MONEY RECEIVED: NIL

7. AWARDS & REWARDS(EG: BEST TEACHER AWARD):

- (i) Dr B.Somasekhar , Associate Professor ,Dept of ECE, ANITS has been honoured with “BEST RESEARCH SUPERVIOR AWARD” on 19th August,2023 for 2023-24 academic year by Novel Research Academy, Puducherry,India.

8. PAPER PRESENTATIONS IN CONFERENCES/SEMINARS:

- (i) Mr B.Jena, Asst.Prof, ECE presented a paper “A novel Kaniadakis entropy-based multilevel thresholding using energy curve and Black Widow optimization algorithm with Gaussian mutation” in 2023 International Conference in Advances in Power, Signal, and Information Technology in Aug 9, 2023 published in Scopus indexed in IEEE explore.

9. RESEARCH GUIDESHIPS/ARTICLE REVIEWERS:

RESEARCH GUIDESHIPS: NIL

ARTICLE REVIEWERS:

- (i) Dr.P.Murugapandiyan, Assoc.Prof, ECE was a Reviewer for Microelectronics Reliability in August 2023 for the Research article titled "Hardening of GaN HEMT Against High-Power Microwave Radiation”.

10. CONFERENCES/SEMINARS ATTENDED: NIL

11. NPTEL COURSES AND OTHER MOOCS:

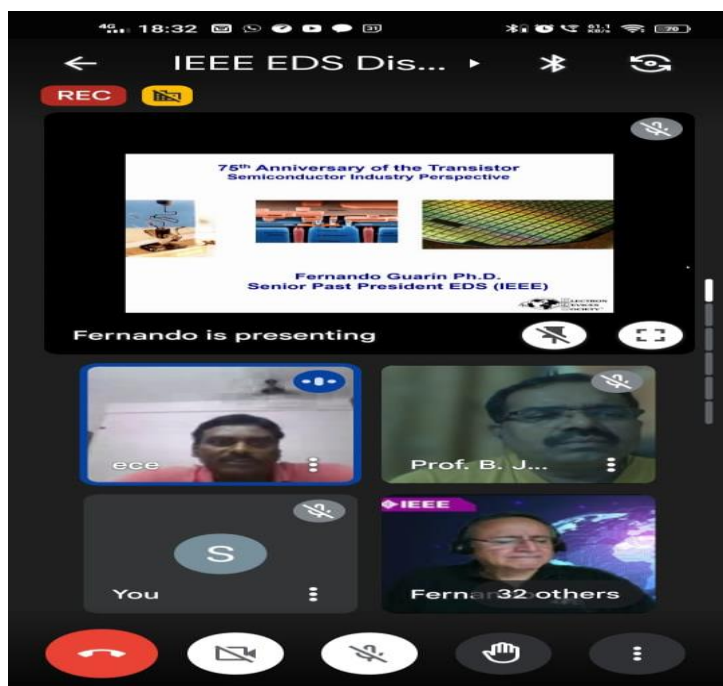
- (i) Prof V.Rajya Lakshmi, ECE has successfully completed the NPTEL online FDP course titled “Design Thinking-Primer” from IIT Madras in the duration July-Aug 2023 (4 weeks).

12. FDPS ATTENDED: NIL

13. WORKSHOPS ATTENDED: NIL

14. EVENTS CORDINATED BY FACULTY:

- (i) An IEEE ANITS Electron Devices Society in association with ECE Dept has conducted a Distinguished lecture on “75th Anniversary of the Transistor Semiconductor Industry Perspective Devices” in virtual mode on 25th Aug,2023 by Dr Fernando Guarin. This event is organized by Dr P.Murgapandiyam Associate Professor,ECE.



- (ii) As a part of Swatch ANITS, CLEAN CAMPUS Program is conducted by Dept of ECE in association with NSS in the college premises on 11th July, 2023.Dr T.Vidyavathi coordinated the event.



- (iii) A session on Leetcode, Code Chef, codeforce platforms is being conducted to III/IV ECE students on 24th Aug,2023. Organized by Ms Ch.Anoosha, Dr K.V.G.Srinivas.

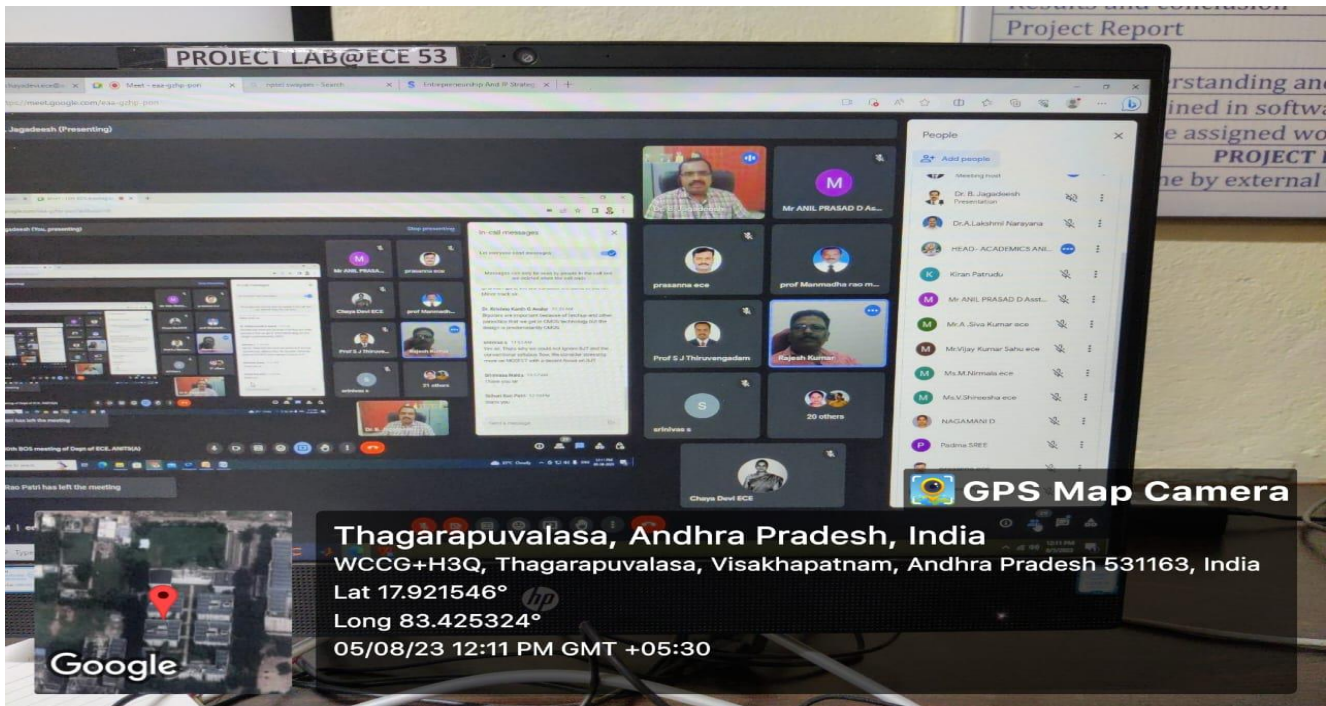


15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES:

- (i) 9th BOS meeting was conducted on 5th Aug,2023 for ECE Dept in virtual mode. Professors, Doctorates of ECE Department, Dr.B.Rajesh Kumar Professor of ECE is the University Nominee, Dr. S.J.Thiruvengadam - Academician , Dr. N.N. Murty - Academician , Dr. Sreehari Rao Patri -

Academician , Dr. Krishna Kanth Gowri Avalur - Industry , Mr. K. Siva Rama Praveen - Alumni are the BOS members.



- (ii) Dr P.Murgapandiyam is nominated as Convener for Institutions Innovation Council (IIC) ANITS with effect from 1st Sep, 2023.
- (iii) Dr G.Prasanna is nominated as Vice-President to Institutions Innovation Council (IIC) ANITS & IPR Vordinator with effect from 1st Sep,2023.
- (iv) Dr P.Murgapandiyam is nominated as Convener & NISP coordinator for ANITS IIC with effect from 1st Sep, 2023

Prepared by:

Mrs G.Gayatri
Asst. Prof. ECE,
ANITS.



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DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

NEWS LETTER-ECE FACULTY - SEPTEMBER MONTH

1. PROJECTS: NIL

2. PATENTS-AWARDED/PUBLISHED:

- (i) Mrs P.Chaya Devi, Asst Prof, ECE published an Innovation patent titled “Machine Learning-Based Helmet Violation and License Plate Recognition System with centroid tracking and OCR” in the organization Intellectual Property India on September 1st, 2023.
- (ii) Dr V.Rajya Lakshmi, Prof, ECE published an Innovation patent titled “Machine Learning-Based Helmet Violation and License Plate Recognition System with centroid tracking and OCR” in the organization Intellectual Property India on September 1st, 2023.
- (iii) Mr N.Srinivas Naidu, Asst Prof, ECE published an Innovation patent titled “DEAF AND DUMB PEOPLE HOSPITAL SUPPORTING SYSTEM” in the organization Intellectual Property India on September 1st, 2023.
- (iv) Dr V.Rajya Lakshmi, Prof, ECE published an Innovation patent titled “MNIMALLY INVASIVE ALARM THERAPY DEVICE FOR INHIBITING DIGIT SUCKING HABITS” in the organization Intellectual Property India on September 8th, 2023.
- (v) Dr P.Murgapandiyan, Assoc Prof, ECE published an Innovation patent titled “MNIMALLY INVASIVE ALARM THERAPY DEVICE FOR INHIBITING DIGIT SUCKING HABITS” in the organization Intellectual Property India on September 8th, 2023.
- (vi) Dr S.Srinivas, Assoc Prof, ECE published an Innovation patent titled “MNIMALLY INVASIVE ALARM THERAPY DEVICE FOR INHIBITING DIGIT SUCKING HABITS” in the organization Intellectual Property India on September 8th, 2023.
- (vii) Dr G.Prasanna, Asst Prof, ECE published an Innovation patent titled “MNIMALLY INVASIVE ALARM THERAPY DEVICE FOR INHIBITING DIGIT SUCKING HABITS” in the organization Intellectual Property India on September 8th, 2023.

3. PUBLICATIONS-BOOKS, BOOK CHAPTERS, RESEARCH ARTICLES & ARTICLES

(SCOPUS, SCI, IEEE, WOS Internationally recognized.):

- (i) Dr.P.Murugapandiyan, Assoc.Prof, ECE, published an Article titled “**High performance enhancement mode GaN HEMTs using β -Ga2O3 buffer for power switching and high frequency applications: A simulation study**” in **Microelectronics Journal** in Sep 2023, in SCI, Elsevier.
- (ii) Mrs M.Nirmala, Asst.Prof, ECE, published an Article titled “**Design of a Compact Dual Slot Loaded Planar Monopole Antenna with Dual Band Rejection Properties for Wideband Applications**” in **Progress In Electromagnetics Research C** in Sep 2023, in SCOPUS, Elsevier.
- (iii) Dr.N.Ashok Kumar, Assoc.Prof, ECE, published an Article titled “**Development of a double resampling based least-squares particle filter for accurate position estimation**”

of a GPS receiver in Visakhapatnam region of the Indian subcontinent” in IEEE Sensors journal in Sep 2023, in SCI, IEEE Xplore.

4. **FACULTY GOT AWARDED PH.D:** NIL

5. **SCHOLARS GOT AWARDED PH.D UNDER THE GUIDANCE OF DEPT. FACULTY:** NIL

6. **SEED MONEY RECEIVED:** NIL

7. **AWARDS & REWARDS(EG: BEST TEACHER AWARD):** NIL

8. **PAPER PRESENTATIONS IN CONFERENCES/SEMINARS:** NIL

9. **RESEARCH GUIDESHIPS/ARTICLE REVIEWERS:**

RESEARCH GUIDESHIPS: NIL

ARTICLE REVIEWERS:

(i) Dr.P.Murugapandiyam, Assoc.Prof, ECE was a Reviewer for Microelectronics Journal in September 2023 for the Research article titled "Investigation of DC and RF Characteristics of Recessed Gate III-Nitride Nano-HEMT on β -Ga₂O₃ Substrate with Back-Barrier for High-Power and High-Frequency Applications”.

10. **CONFERENCES/SEMINARS ATTENDED:** NIL

11. **NPTEL COURSES AND OTHER MOOCS:**

- (i) Mrs.P.Chaya Devi, Asst.Prof.,ECE has successfully completed the NPTEL online FDP course titled “Entrepreneurship and IP strategy” from IIT Madras in the duration July-Sep 2023 (08 weeks).
- (ii) Prof V.Rajya Lakshmi, ECE has successfully completed the NPTEL online FDP course titled “Entrepreneurship and IP strategy” from IIT Madras in the duration July-Sep 2023 (08 weeks).

12. **FDPS ATTENDED:**

- (i) Mrs.P.Chaya Devi, Asst.Prof.,ECE has successfully completed the NPTEL online FDP course titled “Entrepreneurship and IP strategy” from IIT Madras in the duration July-Sep 2023 (08 weeks).
- (ii) Prof V.Rajya Lakshmi, ECE has successfully completed the NPTEL online FDP course titled “Entrepreneurship and IP strategy” from IIT Madras in the duration July-Sep 2023 (08 weeks).

13. **WORKSHOPS ATTENDED:** NIL

14. EVENTS CORDINATED BY FACULTY:

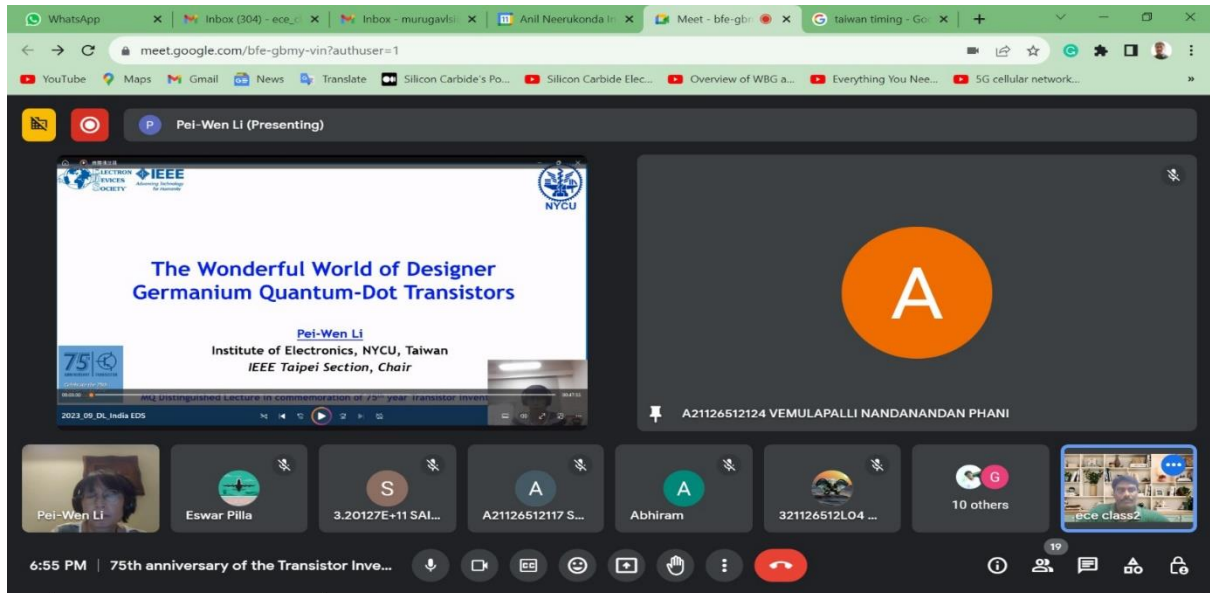
- (i) An Industrial visit AMTZ, Visakhapatnam has been organized to III/IV ECE-A Students on 8th Sep, 2023 coordinated by Dr T. Vidyavathi, Dr N. Swathi, Mr B. Chandra Mouli, Mr B. Jena.



- (ii) An Industrial visit AMTZ, Visakhapatnam has been organized to III/IV ECE-A Students on 14th Sep, 2023 coordinated by Ms B. Deepa, Ms M. Nirmala, Mr B. Kiran Patrudu, Mr D. Anil Prasad.



- (iii) An IEEE ANITS Electron Devices Society in association with ECE Dept has conducted an IEEE EDS Distinguished lecture on “The wonderful World of ZDesigner Germanium Quantum-Dot Transistors” in virtual mode on 11th Sep,2023 by Pei-Wen Li, IEEE Senior Member,NYCU,Taiwan. This event is organized by Dr P.Murgapandiyan Associate Professor,ECE.



15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES:

- (i) Ms B.Deepa had successfully completed Mentoring training Program conducted by Tech Matrix.



- (ii) Ms B.Ramadevi, Asst Prof,ECE is nominated as Editorial committee member for ECE Department on 27th Sep,2023.

Prepared by:
Mrs G.Gayatri
Asst. Prof. ECE,
ANITS.