



**DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING**

**NEWS LETTER-ECE FACULTY – JANUARY MONTH, 2024**

1. **PROJECTS:** NIL
2. **PATENTS-AWARDED/PUBLISHED:** NIL
3. **PUBLICATIONS-BOOKS, BOOK CHAPTERS, RESEARCH ARTICLES & ARTICLES (SCOPUS, SCI, IEEE, WOS Internationally recognized.):**
  - (i) Ms G.Indira Devi, Asst Prof, ECE has published a paper on “Detection of Diabetic Retinopathy Through Identification of Blood Vessel Thickness Using-FOFF” in International Journal on Recent and Innovation Trends in Computing and Communication, Volume 11, SCOPUS in Jan 2024.
4. **FACULTY GOT AWARDED PH.D:**
  - (i) Mr B.Jena ,Asst Prof,ECE was awarded Ph.D degree on 15<sup>th</sup> Jan ,2024.
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) Dr B.Somasekhar, Assoc.Prof,ECE has published a paper on “Channel Estimation and Sparse Signal Processing in mm-Wave MIMO Systems” in 2023 7<sup>th</sup> International Conference On Computing, Communication, Control And Automation (ICCUBEA) in IEEE Explore in Jan,2024.
9. **RESEARCH GUIDESHIPS/ARTICLE REVIEWERS:** NIL
10. **CONFERENCES/SEMINARS ATTENDED:** NIL
11. **NPTEL COURSES AND OTHER MOOCS:** NIL
12. **FDPS ATTENDED:**
  - (i) Ms V.Shireesha, Asst Prof, ECE attended one week FDP on “Outcome based Education” conducted by CVR College of engineering, Telangana from 29<sup>th</sup> Jan 2024 to 2<sup>nd</sup> Feb 2024.

- (ii) Ms V.Shireesha, Asst Prof, ECE attended two weeks FDP on “Universal Human Values & Ethics” conducted by Dr B.N.D Narasinga Rao, Prof & Head-Civil Engineering, ANITS from 29<sup>th</sup> Jan 2024 to 10<sup>th</sup> Feb 2024.
- (iii) Ms G.Gayatri, Asst Prof, ECE attended two weeks FDP on “Universal Human Values & Ethics” conducted by Dr B.N.D Narasinga Rao, Prof & Head-Civil Engineering, ANITS from 29<sup>th</sup> Jan 2024 to 10<sup>th</sup> Feb 2024.
- (iv) Ms K,Yashoda, Asst Prof, ECE attended two weeks FDP on “Universal Human Values & Ethics” conducted by Dr B.N.D Narasinga Rao, Prof & Head-Civil Engineering, ANITS from 29<sup>th</sup> Jan 2024 to 10<sup>th</sup> Feb 2024.
- (v) Mr B.Chandra Mouli, Asst Prof, ECE attended two weeks FDP on “Universal Human Values & Ethics” conducted by Dr B.N.D Narasinga Rao, Prof & Head-Civil Engineering, ANITS from 29<sup>th</sup> Jan 2024 to 10<sup>th</sup> Feb 2024.
- (vi) Dr J.Bhaskara Rao, Assoc Prof, ECE attended 5days FDP on “EXPLORING TEACHING STRATEGIES AND RESEARCH SCOPE IN RENEWABLE ENERGY SECTORS” conducted by HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, Valley Campus, Pollachi Highway, Coimbatore from 2<sup>nd</sup> Jan 2024 to 6<sup>th</sup> Jan 2024.
- (vii) Mr P.Devi Pradeep, Asst Prof, ECE attended 6 days FDP on “AI Evolution: From Foundations to Generative AI” conducted by ATAL -TechSaksham from 22<sup>nd</sup> Jan 2024 to 27<sup>th</sup> Feb 2024.

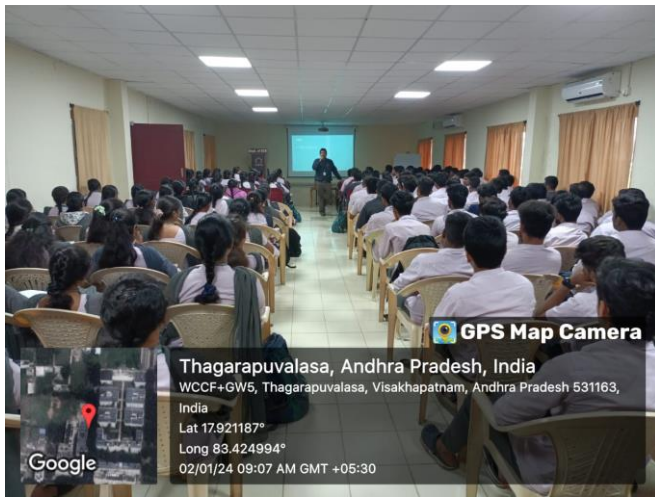
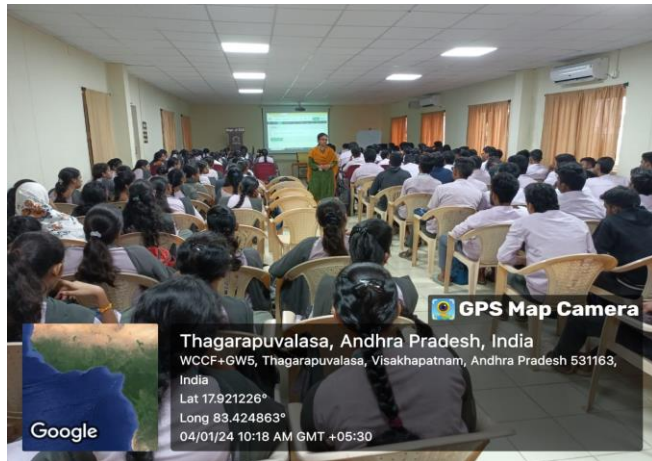
### 13. WORKSHOPS ATTENDED: NIL

### 14. EVENTS CORDINATED BY FACULTY:

- (i) An One Day NSS Extension program to Vellanki Village, Bhemili was conducted by Department of ECE, ANITS on 12<sup>th</sup> Feb,2024 coordinated by Ms P.Devi, Asst Prof,ECE & Mr N.Srinivas Naidu, Asst Prof,ECE.



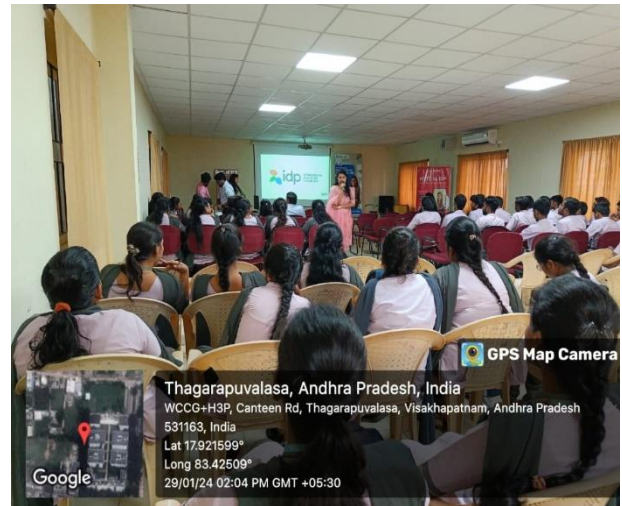
- (ii) Valued added courses on “Web Development” was conducted from Jan 2<sup>nd</sup> 2024 to 6<sup>th</sup> Jan 2024 to III/IV ECE students coordinated by Dr B.Somasekhar, Associate Professor, ECE, ANITS. Classes addressed by Mr Bhanuteja, Asst Prof, Mechanical, Mrs B.Deepa, Asst Prof, ECE, Dr S.Srinivas, Assocoate Prof, ECE, Mr N.Ramkumar, Asst Prof, ECE, Mr P.Durga Praveen, Asst Prof, IT & Mr Madhusudhan , Asst Prof ,IT, ANITS.



(iii) A Guest lecture was organized by ECE Dept faculty Mr A.Siva Kumar, Asst Prof,ECE on 9<sup>th</sup> Jan,2024 to III/IV ECE students by INVICTA an awareness program on Higher education.



(iv) A Guest lecture was organized by ECE Dept faculty Mr A.Siva Kumar, Asst Prof, ECE on 29<sup>th</sup> Jan,2024 to III/IV ECE students by IDP an awareness program on Higher education.



### 15. GUEST LECTURES GIVEN BY FACULTY: NIL

### 16. ANY OTHER ACTIVITIES:

- (i) Mr P.Devi Pradeep, Asst Prof, ECE received certificate of Appreciation as Mentor from NPTEL for the Online course “Microelectronics: Devices to circuits” for July-Dec 2023 on 31<sup>st</sup> Jan,2024.

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



**DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING**

**NEWS LETTER-ECE FACULTY – FEBRUARY MONTH, 2024**

1. **PROJECTS:** NIL
2. **PATENTS-AWARDED/PUBLISHED:** NIL
3. **PUBLICATIONS-BOOKS, BOOK CHAPTERS, RESEARCH ARTICLES & ARTICLES (SCOPUS, SCI, IEEE, WOS Internationally recognized.):**
4. **FACULTY GOT AWARDED PH.D:**
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:**
9. **RESEARCH GUIDESHIPS/ARTICLE REVIEWERS:** NIL
10. **CONFERENCES/SEMINARS ATTENDED:**  
(i) Dr B.Jena published a paper titled “ Dombi entropy based multilevel thresholding of Liver CT scan images using leader slime mould algorithm” in 2<sup>nd</sup> International conference on Ambient Intelligence in Health care (ICAIHC) in IEEE Explore in Feb,2024.
11. **NPTEL COURSES AND OTHER MOOCS:** NIL
12. **FDPS ATTENDED:**
  - (i) Ms V.Shireesha, Asst Prof, ECE attended One week FDP on ““Research Methodology”- Quantative and Qualitative Research” conducted by CVR College of engineering,Hyderabad from 5<sup>th</sup> Feb 2024 to 9<sup>th</sup> Feb 2024.
  - (ii) Mr K.V.G Srinivas, Asst Prof, ECE attended One week ATAL FDP on “Speech Signal Processing Using Machine Learning Algorithms” at AITAM, Tekkali from 12<sup>th</sup> Feb 2024 to 17<sup>th</sup> Feb 2024.
  - (iii) Mr V.V.K.Raju, Asst Prof, ECE attended One week ATAL FDP on “Speech Signal Processing Using Machine Learning Algorithms” conducted by AITAM, Tekkali from 12<sup>th</sup> Feb 2024 to 17<sup>th</sup> Feb 2024.

- (iv) Ms G.Gayatri, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (v) Ms P.S.M Veena, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (vi) Ms V.Shireesha, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (vii) Ms K.Yashoda, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (viii) Dr Ch.Padmasree, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (ix) Ms P.Chaya Devi, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (x) Ms B.Deepa, Asst Prof, ECE attended One week FDP on Deep Learning & Artificial Intelligence in collaboration with APSSDC” conducted by EXCELR SKILLUP APSSDC from 26<sup>th</sup> Feb 2024 to 1<sup>st</sup> March 2024.
- (xi) Dr J.Bhaskara Rao, associate Professor, ECE attended two weeks FDP on “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Program( MM-TTP) of UGC organized by UGC-MMTTP, Andhra university, Visakhapatnam during Feb 5<sup>th</sup> to Feb 14<sup>th</sup> ,2024.

### **13. WORKSHOPS ATTENDED:**

- (i) Mr D.Anil Prasad, Asst Prof, ECE attended one week FDP on SERB sponsored “Sensors for health care Application” organized by NIT, Mizoram during 12<sup>th</sup> Feb to 18<sup>th</sup> Feb,2024.

### **14. EVENTS CORDINATED BY FACULTY:**

- (i) An One Day NSS Extension program to Vellanki Village, Bhemili was conducted by Department of ECE, ANITS on 12<sup>th</sup> Feb,2024 coordinated by Ms P.Devi, Asst Prof,ECE & Mr N.Srinivas Naidu, Asst Prof, ECE.



- (ii) One day workshop on “Entrepreneurship Skill Attitude & Behaviour Development” is organized by Dept of ECE in association with IIC, ANITS by the Resource Person Mr I. Prapun Kumar, Founder, Meta Introspec, Visakhapatnam. Organized by Dr N.Ramkumar, IIC-Coordinator, Dr P.Murgapandiyam, IIC-Convener, ANITS.



### 15. GUEST LECTURES GIVEN BY FACULTY:

- (i) Mr D.Anil Prasad, Asst prof, ECE had given a guest lecture on “Harmony in the Family” in 2 weeks FDP on “Universal Human Values & Ethics” conducted by Civil department, ANITS.
- (ii) Dr V.Rajya Lakshmi, Prof, ECE had given a guest lecture on “Harmony in the Nature ” in 2 weeks FDP on “Universal Human Values & Ethics” conducted by Civil department, ANITS.

### 16. ANY OTHER ACTIVITIES:

(i) Prof. P.Rama Krishna garu (Former Principal, ANITS) donated old ECE subject text books to ECE department Library on Feb 1<sup>st</sup> 2024.



ii) Project titled “IOT-Enabled Smart Solar Vegetable Dehydration with Sensible heat Storage material” have been approved under Nidhi Itbi Ignition grant program (DST) with total funding of Rs 7 Lakhs to PI: Dr Lenin & Co PI: Dr G.Prasanna, Asst Psrof, ECE, Anits.

**Prepared by:**

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**DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING**

**NEWS LETTER-ECE FACULTY – MARCH MONTH, 2024**

1. **PROJECTS:** NIL

2. **PATENTS-AWARDED/PUBLISHED:**

- (i) Mr P.Devi Pradeep, Assistant Professor, Dept of ECE has filed a patent titled “Real-Time Object Detection with Voice Feedback for Visually Impaired People Using RASPBERRY PI” on March 18<sup>th</sup>, 2024 in Intellectual Property India.

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

- (i) Dr P.Murgapandiyam, Associate Professor, ECE & Dr N.Ramkumar, Assistant Professor, ECE had published a paper titled “Investigation of different buffer layer impact on AlN/GaN/AlGaIn HEMT using silicon carbide substrate for high-speed RF applications” in Micro & nano Structures, Vol:189, ISSN Num:2773-0123, Impact factor:3.1 in SCI in the month of March, 2024 .
- (ii) Dr P.Murgapandiyam, Associate Professor, ECE had published a paper titled “Enhancement Mode AlGaIn/GaN MISHEMT on Ultra-Wide Band Gap  $\beta$ -Ga<sub>2</sub>O<sub>3</sub> Substrate for RF and Power Electronics” in Journal of Electronic Materilas, ISSN Num:0361-5235, Impact factor:1.938 in SCI in the month of March, 2024 .
- (iii) Dr P.Murgapandiyam, Associate Professor, ECE had published a paper titled “4.87 kV SiC MOSFET Using HfSiOx/SiO<sub>2</sub> Gate Dielectrics Combined with PN Pillars” in Journal of Electronic Materilas, ISSN Num:0361-5236, Impact factor:1.938 in SCI in the month of March, 2024 .

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

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:**

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

10. **CONFERENCES/SEMINARS ATTENDED:**

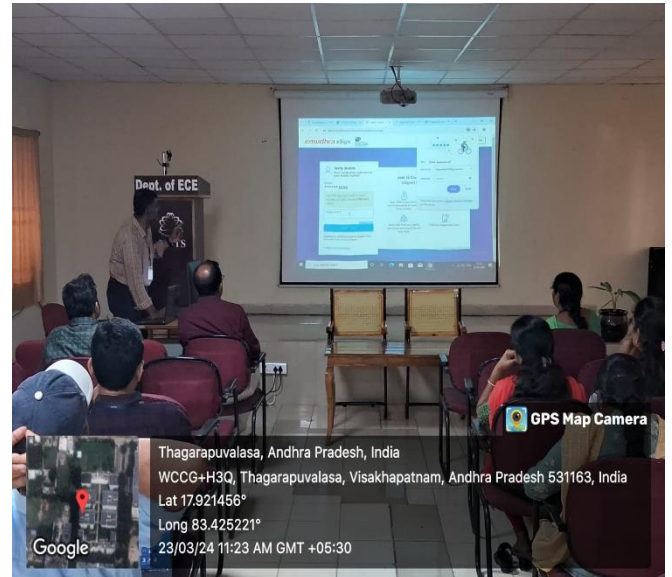
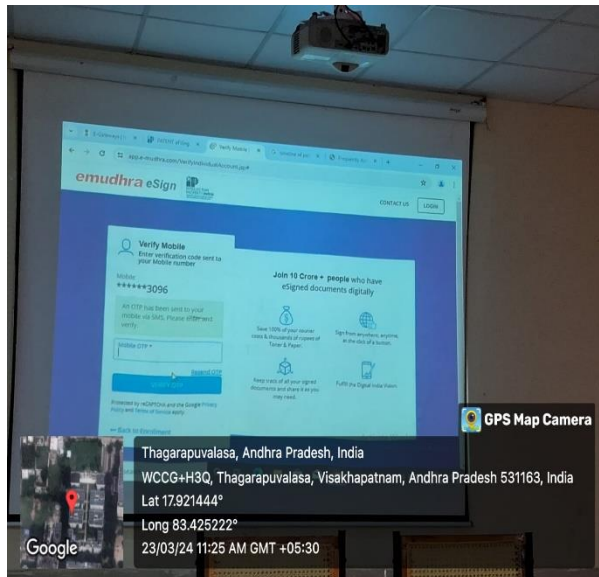
11. **NPTEL COURSES AND OTHER MOOCS:** NIL

## 12. FDPS ATTENDED:

## 13. WORKSHOPS ATTENDED:

## 14. EVENTS CORDINATED BY FACULTY:

- (i) One day workshop is being conducted by ECE Department in Association with IPR council had conducted a Hands-on-session on “Online Applicant Registration in IP India Web Portal & Patent Filing process walk through” on march 23<sup>rd</sup>, 2024 by the resource persons: Dr G.Prasanna, Assistant Professor, ECE & Dr Lenin V.R Assistant Professor, Mechanical, ANITS.



## 15. GUEST LECTURES GIVEN BY FACULTY:

## 16. ANY OTHER ACTIVITIES:

- (i) A Two-Day National Level Student Technical Symposium ELEKTRA-2024 is being organized by Department of ECE on March 1<sup>st</sup>, 2<sup>nd</sup> 2024.

**Prepared by:**

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Asst. Prof. ECE,  
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