



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 - APRIL MONTH

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: 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:
 - (i) Dr.B.Somasekhar, Associate Prof., has published a paper titled “**Multi Agent Deep Reinforcement Learning with Deep Q-Network Based energy efficiency and Resource Allocation in NOMA wireless Systems**” in International Conference on Electrical and Electronics Information and Communication Technologies, April 2023.
9. RESEARCH GUIDESHIPS/ARTICLE REVIEWERS: NIL
10. CONFERENCES/SEMINARS ATTENDED: NIL
11. NPTEL COURSES AND OTHER MOOCS:
 1. Mrs.G.Indira Devi, Asst.Prof.,ECE has successfully completed the NPTEL online course title “Principles of Communication Systems-I” from IIT Kanpur in the duration Jan-April 2023 (12 weeks).
 2. Ms.M.Nirmala, Asst.Prof.,ECE has successfully completed the NPTEL online course title “Microprocessors and Interfacing” from IIT Guwahati in the duration Jan-April 2023 (12 weeks).

3. Mr.D.Anil Prasad, Asst.Prof., ECE has successfully completed the NPTEL online course title “Op-Amp practical Applications: Design Simulation & Implementation” from IIT Guwahati in the duration Jan-April 2023 (12 weeks).
4. Mrs B.Deepa, Asst.Prof., ECE has successfully completed the NPTEL online course title "Introduction to Internet of Things" from IIT, Kharagpur, in the duration Jan- Apr 2023(12 weeks).
5. Mr G.Prasanna, Asst.Prof., ECE has successfully completed the NPTEL online course title "Introduction to Internet of Things" from IIT, Kharagpur, in the duration Jan- Apr 2023(12 weeks).

12.FDPS ATTENDED:

- (i) Mrs.G.Indira Devi, Asst.Prof.,ECE has successfully completed the NPTEL online course title “Principles of Communication Systems-I” from IIT Kanpur in the duration Jan-April 2023 (12 weeks).
- (ii) Ms.M.Nirmala, Asst.Prof.,ECE has successfully completed the NPTEL online course title “Microprocessors and Interfacing” from IIT Guwahati in the duration Jan-April 2023 (12 weeks).
- (iii) Mr.D.Anil Prasad, Asst.Prof., ECE has successfully completed the NPTEL online course title “Op-Amp practical Applications: Design Simulation & Implementation” from IIT Guwahati in the duration Jan-April 2023 (12 weeks).
- (iv) Mrs B.Deepa, Asst.Prof., ECE has successfully completed the NPTEL online course title "Introduction to Internet of Things" from IIT, Kharagpur, in the duration Jan- Apr 2023(12 weeks).
- (v) Mr G.Prasanna, Asst.Prof., ECE has successfully completed the NPTEL online course title "Introduction to Internet of Things" from IIT, Kharagpur, in the duration Jan- Apr 2023(12 weeks).

13. WORKSHOPS ATTENDED:

- (i) Dr.V.Rajyalakshmi, Prof., ECE has successfully completed one day online NPTEL workshop on “**How Does My Smart Phone Works?**” organized by IIT Madras on 1st April 2023.

14.EVENTS CORDINATED BY FACULTY: NIL

15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES:

- (i) Dr A.Lakshmi Narayana was promoted as Associate Professor in ECE Dept on 15th April, 2023.

Prepared by:

**G.GAYATRI
Asst Prof, ECE.**



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DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

NEWS LETTER-ECE FACULTY - MAY MONTH

1. PROJECTS: NIL

2. PATENTS-AWARDED/PUBLISHED:

- (i) Mr N.Ramkumar, Asst Prof ECE published an Innovation patent titled “: IoT-BASED SMART WATER SURVEILLANCE SYSTEM” in the organization Intellectual Property India on May 26th, 2023.
- (ii) Dr B.Jagadeesh, Prof ECE published an Innovation patent titled “: IoT-BASED SMART WATER SURVEILLANCE SYSTEM” in the organization Intellectual Property India on May 26th, 2023.
- (iii) Dr P.Murgapandiyan, Assoc Prof ECE published an Innovation patent titled “: IoT-BASED SMART WATER SURVEILLANCE SYSTEM” in the organization Intellectual Property India on May 26th, 2023.
- (iv) Dr S.Srinivas, Assoc Prof ECE published an Innovation patent titled “: IoT-BASED SMART WATER SURVEILLANCE SYSTEM” in the organization Intellectual Property India on May 26th, 2023.
- (v) Dr G.Prasanna, Asst Prof ECE published an Innovation patent titled “: IoT-BASED SMART WATER SURVEILLANCE SYSTEM” in the organization Intellectual Property India on May 26th, 2023.
- (vi) Mr N.Ramkumar, Asst Prof ECE published an Innovation patent titled “:HEALTH MONITORING AND ALERTING SMART WHEELCHAIR FOR PHYSICALLY DISABLED” in the organization Intellectual Property India on May 15th, 2023.
- (vii) Dr P.Murgapaniyan, Assoc Prof ECE published an Innovation patent titled “:HEALTH MONITORING AND ALERTING SMART WHEELCHAIR FOR PHYSICALLY DISABLED” in the organization Intellectual Property India on May 15th, 2023.
- (viii) Dr P.Murgapaniyan, Assoc Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 2023.
- (ix) Dr S.Srinivas, Assoc Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 2023.
- (x) Dr B.Somasekhar, Assoc Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 2023.
- (xi) Dr K.V.G Srinivas, Asst Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 2023.
- (xii) Dr G.Prasanna, Asst Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 2023.
- (xiii) Mr Nithin Kumar, Asst Prof ECE published an Innovation patent titled “: INTEGRATED INTELLIGENT SALINE STAND” in the organization Intellectual Property India on May 26th, 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): NIL

8. PAPER PRESENTATIONS IN CONFERENCES/SEMINARS:

- (i) Dr.B.Somasekhar, Associate Prof., has published a paper titled “**A Comprehensive Review on Channel Estimation Methods for Millimeter Wave MIMO Systems**” in International Conference on Cognitive Computing and Cyber Physical Systems, May 2023.

9. RESEARCH GUIDESHIPS/ARTICLE REVIEWERS: NIL

10. CONFERENCES/SEMINARS ATTENDED: NIL

11. NPTEL COURSES AND OTHER MOOCS: NIL

12. FDPS ATTENDED: NIL

13. WORKSHOPS ATTENDED:

- (i) Ms.M.Nirmala, Asst.Prof., ECE has successfully participated in the “**3rd One-Week International Workshop on RF & Microwave Components (Online)**” organized by School of Electronics Engineering (SENSE) at VIT-AP University, Amaravati, India during 17th May to 23rd May 2023.
- (ii) Ms.B.Deepa,Asst.Prof., ECE has successfully participated in the 7 Day National Level Online Faculty Development Program on “**Outcome Based Education (OBE)**” organised by Nirmala College, Muvattupuzha in association with The Kerala State Higher Education Council during 10th May to 17th May 2023.

14. EVENTS CORDINATED BY FACULTY:

(i) Technical seminar on “Trending Power Semiconductor Devices”

IEEE ANITS Electron Devices Society Student Branch Chapter (SBC03871H) has been approved by IEEE on Feb 14th 2023 and the chapter was inaugurated on 12th April 2023 by the Chief Guest Dr. D. Nirmal, Vice-Chair, IEEE EDS Region 10(Asia & Pacific), Prof. B. Jagadeesh, HOD, ECE, ANITS, Dr. P. Murugapandiyam, Advisor, IEEE EDS Chapter, ANITS and Dr. Usha Bala, IEEE Student branch counsellor, ANITS. A Technical Seminar was organized in the Department of ECE under IEEE ANITS Electron Devices Society Student Branch Chapter (SBC) in ONILINE Mode on 12th April 2023. The resource person Dr. D. Nirmal, Vice-Chair, IEEE EDS Region 10(Asia & Pacific) discussed about various power semiconductor devices for present and future power electronics applications. He also explained that the designers of modern integrated circuitry have continuously attempted to provide more computational speed, with less dissipated electrical power,

with less circuit board area, while maintaining a low failure rate, and an aggressive cost. He discussed the Comparison of Semiconductor Properties. He gave some glimpse on Integrated Circuit (IC) types of IC i.e., Monolithic IC and Hybrid IC. He told some of the important features of GaN-High electron mobility transistors for future RF and power switching applications.



- (iii) An Industrial visit to II/IV & III/IV ECE students has been arranged to NSTL, Visakhapatnam on 10th May, 2023. 222 Students are accommodated by Mr A.Siva Kumar, Ms B.Deepa, Ms Ch.Anoosha, Ms G.Indira Devi.

15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES: NIL

Prepared by:

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



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DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING

NEWS LETTER-ECE FACULTY - JUNE MONTH

1. PROJECTS: NIL

2. PATENTS-AWARDED/PUBLISHED:

- (i) Mrs D.Nagamani, Asst Prof, ECE published an Innovation patent titled “Face Recognition-door Lock using Haar Cascade and Local Binary Pattern Histogram(LBPH) on Raspberry Pi” in the organization Intellectual Property India on June 23rd, 2023.
- (ii) Dr N.Swathi, Assoc Prof, ECE published an Innovation patent titled “Border Protection System and Weapon Activation using IOMT” in the organization Intellectual Property India on June 30th, 2023.
- (iii) Mrs G.Gayatri, Asst Prof, ECE filed an Innovation patent titled “3D printer using FDM” in the organization Intellectual Property India on June 10th, 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): NIL

8. PAPER PRESENTATIONS IN CONFERENCES/SEMINARS:

9. RESEARCH GUIDESHIPS/ARTICLE REVIEWERS:

- (i) Dr N.Swathi, was recognized as Research Supervisor to A.U on 26th June, 2023.
- (ii) Dr Ashok Kumar was recognized as Research Supervisor to A.U on 26th June, 2023.

10. CONFERENCES/SEMINARS ATTENDED: NIL

11. NPTEL COURSES AND OTHER MOOCS: NIL

12. FDPS ATTENDED:

- (i) Mrs P.S.M Veena, Asst.Prof.,ECE had Participated in 7-days Online Faculty Development Programme (FDP) on “**Machine Learning for Image and Video Analysis**” Organized by E & ICT Academy, IITGuwahati in association with the

Department of EECE, GITAM School of Technology, GITAM Deemed to be University, Vizag, Andhra Pradesh during 26th jume -1st july 2023.

13. WORKSHOPS ATTENDED: NIL

14. EVENTS CORDINATED BY FACULTY:

- (i) On the occasion of “**World Environment Day**” on 5th June 2023, ANITS NSS conducted one day event in ANITS in collaboration with ECE Dept.



- (ii) A webinar on “**Industrial Internet Of Things**” was conducted through online mode to II/IV ECE Students and Faculty on 29th June, 2023 which was scheduled as part of MoU with Appleton.

15. GUEST LECTURES GIVEN BY FACULTY: NIL

16. ANY OTHER ACTIVITIES:

(iii) NAAC Peer team visit to ANITS was on June 13, 14 2023.



- (iv) Prof V.Rajya Lakshmi got 12Lakhs Project titled : “Family Farmer App for Organic farming” under MSME under Bussiness Incubator Scheme(Digital Agriculture Theme) on 28th June,2023.
- (v) Dr Ashok Kumar is nominated as Central Project Coordinator of the Institution for Students Projects.
- (vi) Dr G.Prasanna is constituted as coordinator & Dr P.Murgapandiyam as coordinator to Institutional Intellectual Property Rights (IPR) on 27th June,2023.

Prepared by:

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