Mrs. B. PRIYANKA

Assistant Professor
Department of Electronics & communication Engineering
Raghu Engineering College, Visakhapatnam, Andhra Pradesh
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Interests: Image Processing, Signal Processing

Course Taught Previously:

UG.
- Signals and systems
- Digital Signal Processing
- Linear IC's Applications
- Electronic Devices and Circuits
- Information Theory and coding
- Micro Processors and microcontrollers
- Control systems
- Cellular Mobile Communications
- Signal processing

- Labs Handled
- Analog Electronics and Circuits
- Electronic Devices and Circuits
- Linear Integrated and Pulse Circuits
- Digital signal processing
- Analog and Digital IC Applications
- Electrical and Electronics Engineering Workshop

Publications:
International Journals:

[1] "Classification Of Vehicle State From Drone Image Using Deep Learning Model" in Strad Research, Volume 11, Issue 4, April – 2024.

[2] "Enhancement of Low Light Images Using adaptive decomposition" in TIGER International Research Journal, Volume 10, Issue 5,ISSN:2349-9249 in May 2023.

[3] "Under water Image restoration and enhancement using hybrid algorithms (CLAHE & DSIHE)" in TIGER International Research Journal, Volume 10,Issue 5,ISSN:2349-9249 in May 2023

[4] "Classification of Satellite images using SVM and ELBP Extraction techniques" in international journal for modern trends in Science and Technology, Volume 08, Issue 06, June 2022.

[5] "Covid 19 Detection and Classification from 3D Volumetric Lung Images using deep Learning Technique" in international journal for modern trends in Science and Technology, Volume 08, Issue 06, June 2022.

[6] "Industrial Parameters Monitoring Process through IoT" in international journal of research in electronics and computer engineering, volume 7, Issue 1, ISSN:2348-2281, March 2019.

[7] "Patient's Health Parameters Monitoring System through IoT" in international journal of management, technology and Engineering (IJMTE), volume IX, Issue III, ISSN:2249-7455, March 2019.

[8] "Inquiry and enactment of ultra-wide band receiver in multiband OFDM system" in international journal of research in engineering, Science and management (IJRESM), volume 1, Issue 12, ISSN:2581-5792, Dec-2018.

[9] "Automated attendance system based on face recognition technique" in the international journal of scientific engineering and technology research, volume 07, issue 03, March 2018.

[10] "Embedded monitoring of industrial process through wireless communication" in the international journal for research trends and innovation, volume 2 issue 7, july-2017

Conferences

[1] Presented a paper on "A Novel approach for shadow removal and pavement crack detection using deep learning" in 3rd edition of the Wireless, Antenna & Microwave Symposium (WAMS 2024) held from February 29th to March 3rd, 2024 at Raghu Engineering College (A), Visakhapatnam.

[2] Published a paper on "Fast nonlinear filter based local phase quantization for texture classification" in a 5th International Springer Conference on Micro-electronics, Electromagnetics and Telecommunications (ICMEET-2019) organized by

Department of ECE, Raghu Institute of Technology (Autonomous) on 6th & 7th december,2019.

[3] B.Priyanka, A.Naresh, AbrahamVarughese, Dr.N.Bala Subramanyam "Ultra-low power wireless communication using MSP430F169 and CC2500", two day national conference on Advances in Radar, Communications and Network Enabled Technologies (ARCNET) 6th-7th September 2013 by IETE at NSTL, Visakhapatnam.

Workshop/FDP/*PDP/ Webinars/Seminars*

[1] Attended 1-week online FDP on "Empowering Image Processing and Artificial Intelligence Techniques with MATLAB" conducted by the Department of ECE, SRM Institute of Science and technology, Chennai held from 9th to 14th December,2024.

[2] Attended 5 days online FDP on "Cutting-Edge Research and Technologies in Signal Processing using MATLAB" conducted by the Department of ECE, MLR Institute of Technology, Hyderabad held from 12th to 17th August, 2024.

[3] Attended two week online FDP on "Transforming Education: Integrating OBE and NEP 2020" Organized by Dept.of ECE,CVR college of Engineering from 22nd JULY to 2nd August 2024.

[4] Attended 5 days FDP on "Research methodology" from 07-08-2023 to 11-08-2023 organized by Dept. of Basic Science and Humanities ,Raghu Engineering College(A).

[5] Attended 15 days Online FDP on "Emerging Recent Trends in Computer Science and Engineering" from 26-06-2023 to 10-07-2023 organized by JNTUGV-Vizianagaram.

[6] Attended 6 days AICTE sponsored online FDP on "Inculcating universal Human Values in Technical Education-II" from 20th to 25th March 2023.

[7] Attended 6 days AICTE sponsored online FDP on "Inculcating universal Human Values in Technical Education-I" from 6th to 10th March 2023.

[8] Attended a one-day webinar on "Fundamentals of Research Ethics with Turnitin" organized by Parul university in collaboration with Turnitin on 7th July,2023.

[9] Attended in one day international workshop on advances in "wireless communications and antenna technologies for space, vehicular and ground applications" jointly organized by RIT and REC, Dakamarri, Visakhapatnam on 12th June ,2023.

[10] Attended Pantech e-learning sponsored 30 days master class on "Python Full Stack Development" in online mode from 28th Feb,2023 to 29th Mar,2023.

[11] Attended 3 days FDP on "Artificial Intelligence, Machine Learning and deep Learning with MATLAB and Simulink" from 23rd to 25th November,2022 at Raghu Engineering College(A).

[12] Attended 40-hour online FDP on "Machine Learning in Real time embedded & IOT Applications" organized by the E&ICT Academy, NIT Warangal and Dept. Of ECE, Raghu Engineering College(A) from 2nd -12th May,2022.

[13] Attended 5 days ATAL online FDP on "Smart Cities" from 7th to 12th December,2020 at Lendi institute of Engineering and Technology (Autonomous)

[14] Participated in one Week online Professional Development Programme on "IEEE Authorship and Publication Ethics" organized by Education Society chapter of IEEE Vizag Bay Section during 14-18th Dec, 2020.

[15] Attended AICTE sponsored Two-week Faculty Development Programme (FDP) on "Design Challenges in Deep Submicron Technology" by Department of ECE, Raghu institute of Technology (Autonomous) from 5th to 19th August, 2019.

[16] Attended Faculty Development Programme (FDP) on "Signal Processing for 5G wireless Communications" organized by E&ICT Academy, NIT Warangal at Dept. Of ECE, Lendi Institute of Engineering and Technology, from 5th -10th NOV,2018.

[17]   Attended Faculty Development Programme (FDP) on "Real time embedded systems & IOT, its Applications" organized by E&ICT Academy, NIT Warangal at Dept.of ECE, Raghu Institute of technology, from 2nd -8th June,2018.

[18]   Attended in Ministry of electronics and information technology (Meity) GOI, sponsored Faculty Development Programme (FDP) on "Speech Signal Processsing-2017" organized by the E&ICT Academy, NIT Warangal, Dept.of ECE, Warangal from 9th -18th Nov,2017.

[19]   Attended a two-day NAAC sponsored national workshop on "Quality Enhancement in curriculum design and development for higher education institutions" organized by IQAC at Raghu Engineering College on 29th and 30th Nov,2018.

[20]   A one-day workshop on "Signal processing communications and computer vision concepts using MATLAB and Simulink" by MathWorks at Visakhapatnam in 2015.

[21]   Two-day workshop on "Embedded systems" by teck team solutions, organized by the Department of Electronics and Communication Engineering, welfare institute of Science Technology Management, Visakhapatnam in 2014.

[22]   Two-day national level workshop on "Recent trends in wireless communication systems", organized by the Department of Electronics and Communication Engineering, G.V.P College of Engineering, Visakhapatnam during 25th-26th March 2013.

[23]   A one-day Seminar on "Entrepreneurship, Innovation and rural Development" organized by the Department of Electronics and Communication Engineering, G.V.P College of Engineering, Visakhapatnam in 2012.

[24]   Presented a paper on Bio medical Engineering in ESTRADO-2KX in the National Level Technical Symposium at Vignan Institute of information Technology in 2010

STTP's/STC's

[1]   3 days offline STTP on Emerging and convergent in access technologies organized by ECE dept., REC in association with BSNL Training point, Visakhapatnam during 8th to 10th dec,2023.

[2]   AICTE sponsored 6 days online short-term training program on Technical writing and Research methodology organized by dept. of EEE, Chaitanya Bharati Institute of Technology, proddatur, during 28th dec 2020 to 3rd Jan, 2021.

[3]   AICTE sponsored one week online short-term training program on Machine Learning and its Applications (Phase-II) organized by dept. of ECE, Lendi institute of Engineering and Technology(A) during 23rd to 28th Nov, 2020.

[4]   AICTE sponsored one week online short-term training program on ICT tools for engineering college teaching and outcome-based learning (Phase-III) organized by dept. of ECE, Raghu institute of technology(A) during 9th to 14th Nov, 2020.

[5]   AICTE sponsored one week online short-term training program on ICT tools for engineering college teaching and outcome-based learning (Phase-II) organized by dept. of ECE, Raghu institute of technology(A) during 26th to 31st Oct, 2020.

Additional Responsibility:

[1]   Actively involved in organizing various academic programs like workshops,

conferences.
[2]   Served as Women Empowerment Cell In charge in department of ECE.
[3]   Served as department dairy In-Charge in Department of E.C.E
[4]   Served as Library In-Charge in Department of E.C.E
[5]   Served as NCC girls coordinator in Department of E.C.E

Member in:

[1]   Life Member, Wireless Antenna and Microwave Symposium (WAMS)(ID:2007)

[2]   International Association of Engineers (IAENG)(ID:196782)

EXTRACURRICULAR ACTIVITIES:
[1]   Encouraging and helping the students to participate in national level seminars, social activities, cultural competitions at various prestigious institution

Online Course Certification's:

[1]   Completed a EDX course on "Data Analytics Basics for Everyone" conducted by IBM
[2]   Completed a NPTEL course on "Research Methodology in Natural sciences" with silver certification conducted by IIT Madras
[3]   Completed a NPTEL course on "Research Methodology" with Elite certification conducted by IIT Madras
[4]   Completed a NPTEL course on "Digital Image Processing" with silver certification conducted by IIT Madras
[5]   Certification of appreciation awarded for mentoring "Digital signal processing" course by IIT Madras
[6]   Completed a NPTEL course on "8086 Microprocessors" conducted by Bharat Acharya Education IIT Madras
[7]   Completed a NPTEL course on "Principles of Signals and Systems" with silver certification conducted by IIT Kanpur