FACULTY PROFILE

Dr. ANANDA BABU T

Department: Electronics and Communication Engineering
College: Gudlavalleru Engineering College
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Address for Communication

College Address:

Dr. Ananda Babu T
Assistant Professor,
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Gudlavalleru Engineering College,
Gudlavalleru, Krishna District,
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Permanent Address:

Dr. Ananda Babu T
S/O T Raju, H.No: 2-156,
Nagulapadu,
Pedanandipadu,
Guntur District
Andhra Pradesh: 522235

Academic Qualifications

S. No	Name of the Degree	University	Percentage of Marks/Grade	Specialization	Year of Pass
1	Ph. D	Andhra University	--	Bio-Medical Signal Processing	2020
2	M. Tech	JNTU Kakinada	73.07	VLSI System Design	2012
3	B. Tech	Acharya Nagarjuna University	66.28	E.C.E	2007
4	Intermediate	Board of Higher Education	94.4	M.P.C	2002
5	SSC	Board of Secondary Education	87.83	-	2000

Professional Experience

S. No.	Designation	Institution Name	Working Period	
			From	**To**
1	Assistant Professor	Gudlavalleru Engineering College	18-11-2019	Till date
2	Research Scholar/ Assistant Professor (C)	Andhra University	08-01-2015	16-11-2019
3	Assistant Professor	Rao & Naidu Engineering College	25-05-2013	31-12-2014
4	Assistant Professor	Majhighariani Institute of Technology & Science	24-09-2011	24-05-2013

Professional Body Membership

S. No.	Name of the Professional body	Membership Number
1	International Association of Engineers	247472

Papers Published in Journals No. : 08

1) Dr. T Ananda Babu, "*Compression of Uterine MMG Signals using the DCT and the Huffman Coding*", International Journal of Analytical and Experimental Modal Analysis, Vol. XII, Issue VIII, August-2020 (UGC Care List).

2) T Ananda Babu, Dr. P Rajesh Kumar, "*Optimized Feature Selection for the Classification of Uterine Magnetomyography Signals for the Detection of Term Delivery*", Biomedical Signal Processing and Control, Elsevier 58(58): 101880: DOI: 10.1016/j.bspc.2020.101880 (**SCIE Indexed**).

3) T Ananda Babu, Dr. P Rajesh Kumar, "*Feature Selection Algorithms to Classify Multichannel Uterine Magnetomyography Signals*", Journal of Advanced Research in Dynamical and Control Systems 11(18):211-219 (**Scopus Indexed**).

4) T Ananda Babu, Dr. P Rajesh Kumar, "*Classification of Magnetomyography Signals using Discrete Wavelet Transform and Genetic Algorithm*", Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, pp.563-568, May-2019, Available :http://www.jetir.org/papers/JETIR1905089 .pdf. (UGC Approved).

5) Ananda Babu T, & P Rajesh Kumar, Dr., "*Comparison of different feature extraction methods for the analysis of uterine magnetomyography signals to predict term labor*",

International Journal of Engineering & Technology, 7(3.29), 1-7. doi: http://dx.doi.org/10.14419/ijet.v7i3.29. 18449. (**Scopus Indexed**).

6) T Ananda Babu, Dr. P Rajesh Kumar, "*Features Extraction and Classification of Uterine Magnetomyography Signals*", International Journal of Current Engineering and Scientific Research, Volume 5, Issue 3-2018. (UGC Approved).

7) T Ananda Babu, Dr. P Rajesh Kumar. "*Separation of Uterine MMG Records of Term Pregnancies using Linear and Nonlinear Features*", International Journal of Pure and Applied Mathematics, special issue, Volume 118 No. 9, 2018, 697-702. (**Scopus Indexed**).

8) "*Performance analysis of ischemic stroke using soft computing techniques*", International Journal of Computer Science, Information and Engg. Technologies (IJCSIET), Vol. 3, Issue 4, 2014 ISSN 2277-4408.

Papers Published in Conferences No. : 04

1) "*Prediction of Term Labor using Wavelet Analysis of Uterine Magnetomyography Signals*", Proceedings of International Conference on Computational Intelligence and Data Engineering, **Lecture Notes on Data Engineering and Communication Technologies**, vol. 28. Springer, Singapore pp 29-37, https://doi.org/10.1007/978-981-13-6459-4_4.

2) "*Characterization and classification of uterine magnetomyography signals using KNN classifier*", 2018 Conference on Signal Processing and Communication Engineering Systems (SPACES), Vijayawada, 2018, pp. 163-166. doi: 10.1109/SPACES.2018.8316337. (**IEEE Xplore**).

3) "*An Ad-hoc Networking for Android Mobiles*", NSAICT, Berhampur University, Berhampur, Feb 2013.

4) "*Design and Simulation of FFT Processor for OFDMA System using FPGA*", International Conference on Recent Trends in Engineering & Technology, Guntur, Sep 2012.

Workshops Organized No. : Nil

Workshops /Conferences /Seminars Attended No. : 10

1) "*Soft Computing Techniques using Python*" two week FDP conducted at dept. of CSE, Gulavalleru Engineering College, 27 Jan - 07 Feb 2020.

2) "*Data Acquisition and RT using LabVIEW*" one week FDP conducted at dept. of ECE, Gulavalleru Engineering College, 25-30 Nov 2019.

3) "*National Workshop on Graphical System Design using LabVIEW (NWLABVIEW-2K17)*" conducted by Dept. of ECE, AUCE(A), Andhra University, Visakhapatnam, 30-31 Mar 2017.

4) One Week Foundation Course on "*MATLAB and LATEX*" conducted at Dept. of EEE, Andhra University, Visakhapatnam, 05-09 Dec 2016.

5) "*National Workshop on Advanced Antenna Design (NWAAD-2K16)*" conducted by Dept. of ECE, AUCE(A), Andhra University, Visakhapatnam, 19-21 Oct 2016.

6) "*System Modelling, Simulation and Advanced Optimization Tools for Nanotechnology Applications-2016 (SYSTA-2016)*" Conducted by Center for Nanotechnology, AUCE(A), Andhra University, Visakhapatnam, 19-24 Sep 2016.

7) "*MATLAB, Simulink & Related Tool Boxes for Engineering Education*" conducted at Andhra Loyola Institute of Engineering and Technology, Vijayawada, 11-12 Dec 2015.

8) Pre-conference workshop of 13th International Conference on Electromagnetic Interference and Compatibility (INCEMIC-2015), Andhra University, Visakhapatnam 20-21 July 2015.

9) "*MATLAB & Simulink for Engineering Education*" at Visakhapatnam, 26 Feb 2015.

10) A Two Day National Workshop on "*Embedded Systems & Real-Time Operating Systems (ESRTOS-2012)*" at GMR Institute of Technology, Rajam, 16-17 Nov 2012.

Online FDP / Webinars Attended No. : 16

1) A National Level Webinar on "*Intellectual Property Rights and Patents – A View*" organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru, 10-12 Aug 2020.

2) "*An academic perspective on research (Best research practices, project proposal writing, Funding schemes and IPR)*" one week national level online FDP conducted by dept. of CSE, SRKR Engineering College, Bhimavaram, 03 - 07 Aug 2020.

3) "*One week refresher course on Embedded System Design*" Organized by Dept. of ECE, Gudlavalleru Engineering College, Gudlavalleru, 27 July- 1 August 2020.

4) "*A National Level Online FDP on Cyber Security*", Organized by Dept. of CSE, Gudlavalleru Engineering College, Gudlavalleru, 22 – 26 July 2020.

5) "*Online FDP on Python Programming*" two week online FDP conducted by APSSDC, 13 - 25 July 2020.

6) "*Recent Advances in Biomedical Applications and Communication Networks*", A one week FDP organized by Dept. of CSE, GMR Institute of Technology, 13-18 July 2020.

7) "*International Faculty and Researcher Development Program IFRDP 2020*" Organized by Art of Giving Charitable Trust, India, July 12, 2020, from 10 AM to 7 PM.

8) A National Level Three Day Online FDP on "*Digital Image Processing and its Applications*", Conducted by Dept. of ECE, Sai Spurthi Institute of Technology in Collaboration with Kits Cart Projects India Pvt. Ltd. From 9-11 July 2020**.**

9) A National Level Online FDP on "*Image Processing and Computer Vision – Industrial Scope*", Organized by Malineni Lakshmaiah Womens Engineering College, Guntur, 8-12 July 2020.

10) A Webinar on "*Impact of Covid on Engineering Education and Way Forward*", Organized by Indian Society for Technical Education (ISTE) Chapter, Gudlavalleru Engineering College, Gudlavalleru, 9 June 2020.

11) One week International Online Knowledge Development Program on "*Challenges and Advancements in the design of IOT, Embedded and VLSI Systems: A Researchers View*", Organized by Dept. of ECE, Gudlavalleru Engineering College, Gudlavalleru, on 08-13 June 2020.

12) A Webinar on "*Overview of VLSI*", Organized by Dept. of ECE, Geethanjali Institute of Science and Technology on 4 June 2020.

13) A Webinar on "*Radio Frequency Measurements for Cellular and Wireless Communication Systems*", Organized by Dept. of ECE, Gudlavalleru Engineering College, Gudlavalleru, on 25 May 2020.

14) "*Webinar on Speech Signal Processing*", Organized by Dep. Of CSE, Lakkireddy Bali Reddy College of Engineering, Mylavaram on 17 May 2020.

15) One week online FDP on "*Artificial Intelligence*", Organized by Dept.of CSE, Santhiram Engineering College, Nandyal in Association with Brain-O-Vision, 13-18 May 2020.

16) "*Faculty Development Program on Digital Image Processing using MATLAB*", hosted on skilltohire.com, 24-27 April 2020.

Certifications/Training Programs Attended No. : Nil
NPTEL Certifications: Nil
Guest Lectures Delivered No. : Nil

Subjects Handled

Under Graduation

- Satellite Communications
- Electronic Devices and Circuits
- VLSI
- Digital Signal Processing
- Digital Communication
- Telecommunication Switching Systems & Networks
- Computer Networks Engineering
- Cellular & Mobile Communications
- Optical fibers & Applications
- Probability Theory and Random Process
- Switching Theory & Logic Design

Labs Handled: (UG)

- Analog Electronic Circuits
- VLSI Lab
- Digital Signal Processing
- Digital ICs & HDL

Post-Graduation

- Computers & Communication Networks
- VLSI
- Analog IC Design
- EMI/EMC

Labs Handled: (PG)- Nil

Other Responsibilities

College Level- Nil

Department Level - Nil

Projects Guided:

Under Graduation: 02

S.No.	Name of the project	Year
1	Compression of Uterine MMG Signals using the DCT and the Huffman Coding	2020
2	Identification of Epilepsy using Discrete Wavelet Transform and Random Subspace Techniques	2020

Post-Graduation: 01

S.No.	Name of the project	Year
1	Performance analysis of ischemic stroke using soft computing techniques	2014

Guiding Ph. D Students: Nil

Books Published No. : Nil

R&D and Consultancy: Nil

Curriculum Design and Development Nil

Academic Rewards / Achievements:

- ✓ Awarded Junior Research Fellowship through CSIR-UGC NET, Dec 2012.
- ✓ Qualified GATE – 2013 in Electronics & Communication Engineering (EC).
- ✓ Secured 3rd place in intermediate marks for Sri Nagabhairava Junior College in 2002.
- ✓ Stood Mandal (Pedanandipadu) first in SSC 1999-2000.
- ✓ Got first prize in District Science-Fair in 1999-2000 (Guntur).

Extra-Curricular Activities: Nil
Declaration

I hereby declare that all the above-furnished information is correct to the best of my knowledge.

Date: 21-08-2020   Signature

Place: Gudlavalleru   (Ananda Babu T)