



**Name:** Mrs. P.Lavanya

**Department:** Physics & Electronics

**Designation:** Assistant Professor

**Qualification:** M.Sc (Electronics)

**Years of Experience:** 12 Years

**Areas of Interest:** IoT (Internet of Things) LoRa & NB IoT Devices, Nano Electronics

## CONTACT:

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## ❖ Publications:

1. P.Lavanya, K. Karthik & C.S.V. Anil Kumar (2021). Node MCU Based Voice Controlled Appliances, Soft Computing and Signal Processing. *Advances in Intelligent Systems and Computing*, Vol 1325, Springer Series, Singapore, Pg no.479-489 ISSN: 978-981-33-6912-2.  
[https://doi.org/10.1007/978-981-33-6912-2\\_43#citeas](https://doi.org/10.1007/978-981-33-6912-2_43#citeas)
2. P.Lavanya, Pampari Tejaswi & PrasoonaYavvari (2020). IoT Based Humidity And Temperature Monitoring System, *Kala Sarovar*, Vol-23, No. 02(V), Pg no.171-173, ISSN: 0975-4520.
3. Dr.Jyothi Nayar, V.Selva Kumar & P.Lavanya (2018). Students Perspective on Quality Enhancement in Higher Education. *New Man International Journal of Multidisciplinary Studies*, Volume 05, Special Issue (04), Pg no.30- 35, ISSN: 23491390.
4. V. Selva Kumar, P.Lavanya & Dr K. Vasudeva Rao (2017). Big Data: A Challenging trend in Industrial Electronics. *International Journal of Advance Research in Science and Engineering*, Vol. 06, Special Issue (01), Pg no.88-90, ISSN: 2319-8346.

## ❖ Papers Presented:

1. “A Comprehensive Review on LoRa Implementation in IoT Application Domains”, 2nd International Conference e-ICMTA-2021 SRM Institute of Science and Technology, Tamilnadu, India. (24th to 26th March 2021)

2. “Node MCU Based Voice Controlled Appliances”, 3<sup>rd</sup> International Conference on Soft Computing and Signal Processing ICSCSP 2020, AISC Springer Series. Malla Reddy College of Engineering and Technology, Hyderabad.(22<sup>nd</sup> & 23<sup>rd</sup> August 2020)
3. “IoT based Humidity and Temperature Monitoring” , 1<sup>st</sup> International Conference on Smart Modernistic in Electronics and Communications”, St.Martins Engineering College Dhulapally, Secunderabad, Telangana India.(29<sup>th</sup> & 30<sup>th</sup> June 2020)
4. “Students Perspective On Quality Enhancement in Higher Education- A Survey”, National seminar on Revised NAAC frame work-the road ahead towards excellence in quality education, Bhavans Vivekananda College of Science, Humanities and Commerce, Secunderabad, Telangana. (April 2018)
5. “Big Data: A challenging trend in Industrial electronics”. National Seminar on Internet of Things - Applications and Security, Bhavans Vivekananda College of Science, Humanities and Commerce, Secunderabad, Telangana. (7<sup>th</sup> & 8<sup>th</sup> September 2017)

❖ **Workshops/ Refresher courses /Training programs Attended:**

**CONFERENCES ATTENDED**

1. International Conference on Mathematical Techniques and Applications ICMTA 2021 SRM Institute of Science and Technology SRM University Tamil Nadu (24<sup>th</sup> to 26<sup>th</sup> March 2021)
2. International Conference on Soft Computing and Signal Processing ICSCSP 2020, AISC Springer series,Malla Reddy College of Engineering and Technology Hyderabad.(22<sup>nd</sup>& 23<sup>rd</sup>August 2020)
3. International Conference on Smart Modernistic in Electronics and Communications”St.Martins Engineering College Dhulapally, Secunderabad, Telangana India. (29<sup>th</sup>& 30<sup>th</sup> June 2020)

**REFRESHER COURSES**

1. UGC Sponsored Refresher Course in Material Science organized by UGC, HRDC, Osmania University Hyderabad (19<sup>th</sup>December 2018 to 11<sup>th</sup>January 2019).

## **SHORT-TERM COURSES/TRAINING PROGRAMS**

1. AICTE Sponsored online QIP- Short Term Course on “Nano Electronic Devices and Circuits” organized by IIT (Banaras Hindu University) Varanasi (4th to 9th January 2021).
2. STTP on "Matlab Based Teaching- Learning in Mathematics, Science & Engineering" Organized by Ramarao Adik Institute of Technology, Nerul, Navi Mumbai in Collaboration with Design Tech Systems Pvt, Ltd., Mumbai .(18<sup>th</sup> to 22<sup>nd</sup> May 2020).
3. One Week STTP on Advanced Research Methodology Organized by REST Society for Research International (RSRI), Krishnagiri, and Tamil Nadu. (11<sup>th</sup>to 15<sup>th</sup>May 2020).

## **SEMINARS & WORKSHOPS ATTENDED :**

1. One week International Workshop on Electronics and Computing Technology organized by Sambalpur University of Information Technology (SUIIT) Burla Odisha India.(27<sup>th</sup> March - 1<sup>st</sup> April 2021)
2. International Workshop on “IoT and Cloud Computing Techniques for data Analysis with Modern AI Tools”, Organized by St.Martins Engineering College Dhulapally, Secunderabad, Telangana India, in association with IETE India. (16<sup>th</sup> to 18<sup>th</sup> August 2020).
3. Workshop on “Working on Arduino UNO/Rasberry PI & Interfacing with LabView” Organized by Research & Development Department, Tech Fluent Solution Pvt. Ltd.(4<sup>th</sup> to 7<sup>th</sup> June 2020).
4. Regional Workshop on Research Based Pedagogical Tools held in Bhavans Vivekananda College Sainikpuri Hyderabad (17<sup>th</sup> and 18<sup>th</sup> January 2018).
5. Two Day Workshop on VLSI Design using Xilinx Vivado organized by Department of Physics University College of Science Osmania University Hyderabad. (17<sup>th</sup> and 18<sup>th</sup> April 2017).

## **FDP's ATTENDED:**

1. Three Day FDP on Internet of Things Organized by Department of Electronics & Communication Engineering, Lendi Institute of Technology Vizianagaram, Andhrapradesh(27th May to 29th May 2020).

2. One week National Level FDP on SCILAB – An Open Source Substitute for MATLAB organized by JNTUH Sultanapur, Sangareddy in Association with IIT Bombay Spoken Tutorial (25th May to 30th May 2020).
3. One week Faculty Development Program on “R Programming” Organized by Department of Computer Science SreeVidyanikethan Engineering College (Autonomous), Tirupati in Association with IIT Bombay Spoken Tutorial (25th May to 29th May 2020).
4. Five day online Faculty Development Program on “Outcome Based Education and Accreditation” organized by IILM College of Engineering & Technology.( 25<sup>th</sup> May to 29<sup>th</sup> May 2020).
5. Five day “Hands on FDP: Data Science using python” organized by Jeppiar Institute of Technology Sriperumbudur Tamil Nadu(18<sup>th</sup> May to 22<sup>nd</sup> May 2020).
6. National Level FDP on ICT Tools for Effective Teaching, Learning Organized by Swami Ramanand Teerth Marathwada University Maharashtra (11th to 16th May 2020).
7. One week online Faculty Development Program on Moodle – Learning Management System Organized by KLS VishwanathraoDeshpanth Institute of Technology, Haliyal, Karnataka in association with IIT Bombay Spoken Tutorial (4<sup>th</sup> May to 8<sup>th</sup> May 2020).
8. Faculty Development Program on Internet of Things (IoT) Organized by IQAC Loyola Academy in Collaboration with Vorton Tech Solutions PVT.LTD (6<sup>th</sup> and 7<sup>th</sup> February 2020).