

# Ram Chandra Swain

Designation : Asst.Professor, Dept. of Electronics and Telecommunication  
Educational Qualification : M.Sc.(Electronic Science), M.Tech. (ECE), Ph.D Cont.  
Email id : ramchandra\_elsc@rediffmail.com  
Area of Interest : Digital signal Processing, communication, quantum well

## PROFESSIONAL EXPERIENCE:

- Oct 2013 to till today: Asst. Professor in Dept. of ETC at KKU, Berhampur.
- Associated with Tata Business Support Services Ltd as Sr.Tech Support For Tata Communication Ltd, Hyderabad from 5<sup>th</sup> Mar 2007 to 16<sup>th</sup> Oct 2009 .

## PROFESSIONAL TRAINING, SEMINAR AND WORKSHOPS ATTENDED:

- Attended in National Conference on “**NEXT GENERATION COMMUNICATION AND COMPUTING (NGCC – 2010 )**” held on 23rd & 24th December 2010 at NMIET , Bhubaneswar .
- Attended in IEEE EDS Mini-Colloquium on “**NANO ELECTRONICS**” held on 30th December 2010 at NIST , Berhampur .
- Attended in the INTERNATIONAL WORKSHOP ON “**FUNCTIONAL MATERIALS (IWFm – 2011)**” held on 20th to 22nd December 2011 at NIST , Berhampur .
- Participated in one-week FDP on “**Antenna Trends**” jointly organized by Electronics and ICT Academics held from 1st July, 2019 to 5th July, 2019 at NIST, Berhampur.
- Attended Workshop on “**Signal processing Techniques for 5G**” at National institute of Science and Technology, Berhampur dated from 25<sup>th</sup> to 27<sup>th</sup> Sept.2019.
- Attended the 10<sup>th</sup> IEEE EDS Mini-Colloquium on “**Nanoelectronics to Nanotechnology**” at National institute of Science and Technology, Berhampur dated from 28<sup>th</sup> February to 29<sup>th</sup> February 2019
- Attended “**Research Methodology Workshop in Science December 2019**” at Berhampur University, Berhampur dated from 22<sup>nd</sup> to 24<sup>th</sup> December 2019.

- Participated 4th International Conference on “**2021 Devices for Integrated Circuits (DevIC 2021)**” organized by IEEE EDS KGEC Student Branch Chapter in association with Department of ECE, Kalyani Government Engineering College during 19-20 May, 2021 through online mode.
- Attended the AICTE sponsored short term training programme on “**Recent Trends in Emerging Devices & Nanotechnology phase-1**” held during 1<sup>st</sup> to 6<sup>th</sup> June 2021 by NIST, Berhampur, India.
- Attended the AICTE sponsored short term training programme on “**Recent Trends in Emerging Devices & Nanotechnology phase-2**” held during 15<sup>th</sup> to 20<sup>th</sup> June 2021 by NIST, Berhampur, India.
- Successful participation in the AICTE Sponsored STTP on “**Simulation with MATLAB-From Device to Circuit**”, Phase-II, held from 30.08.2021 to 04.09.2021, JIS College Of Engineering, Kalyani,India.
- Participated in online symposium on “**FUTURE WIRELESS SYSTEMS**” organized by IEEE MTT-S SCB, Department of ECE, Koneru Lakshmaiah Education Foundation on 13<sup>th</sup> &14<sup>th</sup> Nov 2021.
- Attended webinar on “**Nanotechnology Enabled Energy Conversion and Storage Technologies**” organised by the Department of Physics, J. S. M. College, Alibag, on Friday 9th July, 2021.
- Participated in One Day Nation Level Online Webinar on “**Making a Technical presentation**” held on 07<sup>th</sup> July 2020 organized by Department of Electronics & Communication Engineering, MITS-Madanapalle.
- Attended the one-day International Webinar on “**Recent Trends in Quantum Mechanics**” organized by Department of Physics, Science College (Autonomous), Hinjilicut held on 3rd October 2020.
- Participated in the one-day International Webinar on “**Modelling Electronic Devices and Systems**” organized by the Department of Electronics, Science College (Autonomous), Hinjilicut on 11th October 2020.
- Participated in one-day FDP on “**Basic Tools and Techniques for Contemporary Research**” jointly organized at School of Pharmacy and Life Sciences, CUTM, BBSR held on **3rd Feb., 2019**.

- Participated in one-day NAAC Sponsored State Level Seminar on “**Emerging Innovative Teaching and Learning Strategies In Higher Education Opportunities and Challenges**” held on **7th Sept., 2019** at KKAC, Berhampur.

## **PUBLICATIONS**

### **Journal Papers**

1. Ajit Kumar Sahu, Ram Chandra Swain, and Narayan Sahoo “**Electric Field induced Non-monotonic Electron Transport in Pseudomorphic  $\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}/\text{In}_{0.15}\text{Ga}_{0.85}\text{As}$  Coupled Quantum Well Structure**”, Physica E.

### **Conference Papers**

1. N. Sahoo, R. Swain, A. K. Sahu and S. K. Palo, "**Multisubband Electron Mobility in Pseudomorphic  $\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}/\text{In}_{0.15}\text{Ga}_{0.85}\text{As}$  Double Quantum Well based FET Structure**," 2021 Devices for Integrated Circuit (DevIC), 2021, pp. 99-102, IEEE.