Personal Profile

Dr. Maibam Sanju Meetei
Associate Professor, Department of Electronics and Communication Engineering.
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Educational Profile

Ph.D.	NERIST, Nirjuli, Arunachal Pradesh; Supervisor: Dr. AheibamDinamani and Dr. SwanirbharMajumder. Specialization: MEMS (Pressure Sensor Design)
M.Tech	Tezpur University, Napaam, Assam; 2011-2013, Subject: Electronics Design and Technology, Specialization: Artificial Intelligence and Embedded System.
B.Tech	NIT Raipur, Raipur, Chhattisgarh; 2005-2009, Subject: Electronics and Telecommunications Engineering.

Professional Experience

Associate Professor, Department of Electronics and Communication, Rajiv Gandhi University, Arunachal Pradesh, India.	1st March, 2023 – till date
Assistant Professor, Department of Electronics and Communication, Rajiv Gandhi University, Arunachal Pradesh, India.	10th Aug, 2015- 27th Feb, 2023.
Assistant Professor, Department of Electrical and Electronics Engineering, NIT Mizoram, Mizoram, India.	3rdFeb, 2014- 8thAug, 2015.

Administrative Experience

Head of Department, Department of Electronics and Communication, Rajiv Gandhi University, Arunachal Pradesh, India	1st Sept, 2020- till date.
Assistant Examination Incharge, NIT Mizoram, Mizoram, India.	5th Jun, 2014- 7thAug, 2015.

Awards &Honours

1. Qualified UGC-NET for Assistant Professor, in Dec 2014.
2. Qualified GATE in 2011.
3. Qualified GATE in 2013.

Membership of Professional Bodies

1. Member of Technical and Scientific Publisher for International Journal of Advanced Engineering and Management, India (2016-tilldate).

Research Interests

- MEMS.
- Microprocessor and EmbeddedSystem.
- Artificial Intelligence.

Research Publications

1. Theoretical Modelling and Simulation of Circular Diaphragm-based Comb Drive Capacitive Pressure Sensor (CD-CDCPS): Meetei, S. M.; Sharma, R; Singh, H. S.; Singh, N. V.; *International Journal of Engineering Trends and Technology*, 2022, 70(5), 37-45.
2. Modelling and Simulation of a Diaphragm based Touch Mode Capacitive Pressure Sensor (DTMCPS):Meetei, S. M.; Singh, H. S.;*International Journal of Mechanical Engineering,* **2021,** 6(3), 2784-2788.
3. A novel design approach for beam bridge structure pressure sensor base on PZT-5A piezoelectric: Meetei, S. M.; Singh, A.D.; Majumder, S.; *Journal of Engineering Science and Technology Review,* **2021,** 14(1),193-199.
4. Anoveldesignandoptimizationforbeambridgepiezoelectricpressuresensor: Meetei, S. M.; Singh, H. S.; S, A Dinamani.; Majumder, S.; *International Journal of Advanced Research in Engineering and Technology,* **2020,** 11(12),2687-2701.
5. A mathematical modelling and 3D simulation of ZNO piezoelectric base cantilever for pressure sensing: Meetei, S. M.;Singh,A.D.;Majumder,S.;Moyom, O.;*InternationalJournalOfScientific&TechnologyResearch*,**2020**,9(09),37-41.
6. A mathematical modelling and 3D analysis of PZT-5H piezoelectric base bridge pressure sensor: M, S Maibam.; Singh, A. D.; Majumder, S.; *International Journal of Mechanical Engineering and Technology,* **2019**, 10(11*),*407-415.
7. Asystematicapproachfordesigninganeuralnetworkusingexistingalgorithms to detect H_2, CH_4, and CO gases: Meetei, S. M.; Chamuah, A.; Yuto. Y.; Singh, A. D.; *International Journal of Engineering & Technology*, **2018**, 7(4.22),182-185.
8. Quantitative recognition of flammable and toxic gases with artificial neural network using metal oxide gas sensors in embedded platform: Mandal. B.; Meetei, S. M.; Das, J.; Saha, H.; *Engineering Science and Technology an International Journal,* **2015,**1-6.
9. Forecastandanalysisofshorttermelectricloadofnewsouthwalesregionusing ANN: Kumar, S.; Meetei, S. M.; *International Journal of Engineering Research & Technology,* **2014,** 3(6),1669-1671.
10. Modelling and Simulation of Square Diaphragm Touch Mode Capacitive Pressure Sensor (TMCPS): Meetei, S. M.; Naga, N; Taji, N; Sharma, R.; *International Journal of Mechanical Engineering, 2023, 8(1), 13-21.*

Course/Conference/Workshop organized

1. HAPPY Media-Tech 2022 Conclave by twelve different department funded by RGU and various association and organization.

   Duration: 28, 29 & 30 March, 2022.

   Role: Coordinator.

2. Two days' workshop (outreach) on the theme Citizen Journalism: Empowering Youth for Social Changeby Department of ECE and Mass Communication, Rajiv Gandhi University in collaboration with RGNYID.

   Duration: 24-25 February 2022

   Role: Coordinator.

3. Two days' workshop (outreach) on the theme "Computer and its Applications: A Business Tools for self-reliance among Youths by Department of ECE and Mass Communication, Rajiv Gandhi University in collaboration with RGNYID

   Duration: 24-25 February 2022.

   Role: Coordinator.

4. Faculty Development Program on Digital Signal Processing by Department ECE and CSE, Rajiv Gandhi University, Arunachal Pradesh, India in collaboration with E&ICT, IITGuwahati.

   Duration: 30 April-05 May, 2018.

   Role: Coordinator.

5. WebinaronRecentTrendsinArtificialIntelligencebyDepartmentECEandCSE , Rajiv Gandhi University, Arunachal Pradesh, India

   Duration: 18 June-19 June, 2020

   Role: Coordinator.

Conference paper presented/attended

1. Delivered an oral presentation talk in 'An Engineering Approach for Modeling and Design of a Diaphragm Based Comb Drive Capacitive Pressure Sensor', an5th International Conference on Information & Management Skills 2019' held at Department of ECE, NERIST, Nirjuli, India during 15 Dec-16 Dec,2019.
2. Delivered an oral presentation talk in 'A Novel Design and Modeling of Beam Bridge structure Piezoelectric Pressure Sensor base on ZnO', an 5th International ConferenceonInformation&ManagementSkills2019'heldatDepartmentofECE, NERIST, Nirjuli, India during 15 Dec-16 Dec, 2019.
3. Delivered an oral presentation talk in 'Qualification of H_2, CH_4, CO using Neural Network and Micro Gas Sensor', an 1st International Conference on Emerging Trends in Engineering and Applied Sciences 2013' held at Rajasthan College of Engineering for Women, Jaipur, India during 27 Dec-28 Dec,2019.