Detailed Bio Data of Mr. SWAPAN DAS as per AICTE Format

Name of the Faculty:	SWAPAN DAS		
Designation:	SENIOR TECHNICAL ASSISTANT		
Department:	AEIE		
Date of Joining the Institute:	12-08-2002 and 02-07-2012		
Qualification with class/grade:	**HS/Dip/Other**	**UG/PG/Other**	**Field of Work**
	-	M.Tech. in VLSI Design and Microelectronics Technology	Teaching and Research on Nano Technology
Total Experience in years:	**Teaching**	**Admin/Other**	**Industry**
	14.5 Years	Nil	1.5 Years

Field of Expertise:

Teaching and Research on Nano Technology

Publications:

A. International Conference :

1. **Development of MEMS based Microheater Array for Multi-Gas Sensor**
   S. Karmakar, S. Das, C.K. Sarkar, S. Roy[+]
   International Conference on Advanced Materials and Energy Technology (ICAMET) 2014, December 17-19, 2014
   IIEST Shibpur, Howrah, West Bengal, India.
2. **Designing of an auto-calibrated interfacing circuit for low temperature gas sensing applications.**
   Swapan Das, Chandan Kumar Sarkar, Sunipa Roy
   1st International Conference on Devices for Integrated Circuits (DevIC 2016), 29-30 March, 2016
   Kalyani Government Engineering College, Kalyani- 741235, West Bengal, India

B. **Journals :**

1. **An Auto Calibrated Digital Interfacing Circuit Design to Monitor the Effect of Ambient Temperature Variation for Gas Sensor Applications**
   Swapan Dasa*, Sunipa Royb, Chandan Kumar Sarkarc
   Das et al., Advances in Industrial Engineering and Management, Vol. 5, No. 1 (2016), 46-50, Copyright © 2016 American Scientific Publishers All rights reserved
   Printed in the United States of America

2. **Investigation of nanostructured Pd–Ag/n-ZnO thin film based Schottky junction for methane sensing**
   S. Roy1, S. Das1, C. K. Sarkar2
   Int. Nano Lett., DOI 10.1007/s40089-016-0187-6
   Received: 6 January 2016 / Accepted: 30 June 2016
   The Author(s) 2016. This article is published with open access at **Springerlink.com**

C. **Poster Presentation :**

1. **Hydrogen Sensing Performance of ZnO -Si Heterojunction with Catalytic Metal Contact.** Roy. S, Das Swapan, Sarkar. C.K
   3rd International Conference on Microelectronics, Circuits and Systems, Micro2016.

D. Patent Files:

1. TITLE OF THE INVENTION:
   Process for the Synthesis of Graphene