

## CURRICULUM VITAE:-

### PERSONAL PROFILE

**Name** : Sabyasachi Aich  
**Father's Name** : Nirmal Kumar Aich  
**Date of Birth** : 28-04-1995  
**Correspondence Address** : At/Po-IGIT Sarang, Qr. No.-F/37,  
Dist-Dhenkanal, Odisha,759146  
**Phone** : 9439166381  
**E-mail** : Sabyasachi.biet@gmail.com  
**Subjects of Interest** : Thermal Engineering  
**Orcid Id** : 0000-0002-8759-6649



### ACADEMIC CREDENTIALS

<i>Qualifications</i>	<i>Institute</i>	<i>Board/University</i>	<i>CGPA/Percentage</i>	<i>Year of Passing</i>
M.Tech (Thermal Engg.)	IGIT Sarang.	BPUT	7.98	2018
B. Tech (Mechanical)	BIET, Bhadrak	BPUT	8	2016
+2	DAV Higher secondary school, NTPC/TTPS	CHSE	63.33%	2012
Matriculation	IGIT Campus High school, Sarang	BSE	77.50%	2010

### SOFTWARE SKILLS

- 1) ANSYS
- 2) Power BI
- 3) MAT Lab
- 4) MS-Excel
- 5) MS Power point
- 6) MS-Word
- 7) SQL

## TEACHING EXPERIENCE

<i>Sl. No.</i>	<i>Name &amp; Address of Employer</i>	<i>Nature of Employment</i>	<i>From</i>	<i>To</i>	<i>Type of Organization</i>
1.	IGIT, Sarang	Consolidated	18/2/2019	Present	Government.
2.	Govt. Polytechnic, Angul	Contractual	17/7/2018	31/1/2019	Government.

## PUBLICATIONS JOURNALS AND PROCEEDINGS

1. Mat Lab Analysis and Simulation of an EV's Regenerative Braking System, Volume - 12, Special Issue-13 (2023 ), doi: 10.53555/ecb/2023.12.Si13.207, ISSN: 2063-5346.
2. Design and fabrication of a solar portable refrigerator, Materials Today, Elsevier. <https://doi.org/10.1016/j.matpr.2020.08.442>
3. Design of Self-Made Pneumatic Air Braking System, International Journal for Scientific Research & Development, Vol. 6, Issue 02, 2018 | ISSN (online): 2321-0613
4. Solar Fencing, International Journal for Scientific Research & Development, Vol. 5, Issue 07, 2017 | ISSN (online): 2321-0613

## INTERNATIONAL CONFERENCES

1. 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON SOLAR ENERGY PHOTOVOLTAICS, KIIT, BBSR.
2. INTERNATIONAL SYMPOSIUM ON SEMICONDUCTOR MATERIALS AND DEVICES, KIIT, BBSR.

## B. Tech (UG) & DIPLOMA PROJECT GUIDANCE

1. EXPERIMENTAL ANALYSIS OF FLOW EFFECT ON HEAT TRANSFER OVER A FIN SURFACE OF DIFFERENT DIMENSIONS.
2. SIMULATION OF TESLA ROADSTER REGEN BRAKING IN THE NEAR FUTURE DOMINATED BY ELECTRIC VEHICLES.
3. SOLAR POWERED SEA WATER DESALINATOR AND PURIFIER USING REVERSE OSMOSIS.
4. FABRICATION AND ANALYTICAL STUDY OF SOLARIZED WIND MILL.
5. UNMANNED SOLAR POWERED LAWN MOVER.
6. SOLAR AIR COOLER.
7. ANALYSIS OF DIFFERENT CHARACTERISTICS CI ENGINE USING WASTE COOKING OIL, BIO DIESEL USING ANSYS.

## FACULTY DEVELOPMENT / SHORT TERM TRAINING PROGRAMMES ATTENDED

- 1) FDP On Emerging Trends and Recent Advancement In Mechanical Engineering (ETRAM-2023) Organized by ABACUS INSTITUTE OF ENGINEERING & MANAGEMENT during 28 Aug – 1 Sep, 2023.
- 2) e-STC on “Computational fluid dynamics: introduction and applications” held on July 04-08, 2023, organized by Department of Mechanical Engineering, Dr B R Ambedkar National Institute

of Technology Jalandhar, Punjab, India.

- 3) FDP On "Advanced Manufacturing Latest Trends and Techniques" organized by Department of Mechanical Engineering, Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex, West Bengal during 23th to 27th June, 2023.
- 4) FDP On "Advance manufacturing: latest trends and techniques" organized by Sandip University, Madhubani from 15-05-2023 to 19-05-2023.
- 5) FDP On "Artificial Intelligence and Machine Learning for Image Analysis - Matlab & Python Perspective" organized by CMR Institute of Technology, Bengaluru from 08-05-2023 to 13-05-2023.
- 6) FDP on "Engineering Graphics Through AutoCAD" from 03.04.2023 - 07.04.2023 organized by Vallurupali Nageswar Rao Vignana Jyothi Institute of Engineering and Technology.
- 7) FDP on "Challenges and Advances in Upstream Oil and Gas Industry" from 06.02.2023 - 11.02.2023 organized by Department of Petroleum Engineering & HRDC, AMET Deemed to be University, Chennai.
- 8) FDP/ STTP on Application of Machine Learning and Automation in Mechanical Systems (AMAMS 2023) organized by Department of Mechanical Engineering, SOA University, Bhubaneswar.
- 9) FDP on Fundamental of computational fluid dynamics- a practical approach organized by NIT, Rourkela, Odisha
- 10) FDP on Research methodology in engineering : a practical insight for researchers organized by NIT, Rourkela Odisha
- 11) FDP on vibration analysis and condition monitoring for rotating machines organized by IGIT Sarang,TEQIP-III.
- 12) FDP on Thin film analysis organized by MITS Institute, Madanapalle, India.
- 13) FDP on Indian Automotive research ,PES College of Engineering, Mandya.
- 14) FDP on concept and application of composite material organized by IGIT Sarang,TEQIP-III.
- 15) National webinar on Innovations in Product Design and Sustainable Manufacturing - IPDSM 2020” Organized by Department of Mechanical Engineering, Government College of Engineering, Kalahandi, Bhawanipatna, Odisha, India
- 16) Online Short-Term Course on ‘Contemporary Material Technologies’ organized by Department of Industrial & Production Engineering, Funded by TEQIP-III, Dr B R Ambedkar National Institute of Technology ,Punjab
- 17) TEQIP-III Sponsored webinar for one week Workshop on “Research and Practices in Civil Engineering, (RPCE-2020)” organized by Department of Civil Engineering, IGIT Sarang

18) Webinar on “Learner Motivation in Second Language Curriculum: Challenges and Solutions during the COVID 19 Pandemic” hosted by the Department of Science and Humanities, Nehru, Institute of Engineering and Technology, Coimbatore

19) A webinar on art of writing scientific paper by VITS, Hyderabad

20) FDP on “Recent research developments in Materials Engineering and Mechanical Design”, organized by the Department of Mechanical Engineering

21) Technical E-Quiz on “Computational Fluid Dynamics” held on 06-08-2020, organized by Department of Mechanical Engineering, P. E. S. College of Engineering, Mandya-571401, Karnataka, India.

I hereby declare that the information furnished above are true to the best of my knowledge.

Place: **IGIT, Sarang**

**Sabyasachi Aich**