

## Ankan Phukan

Master's in Green Energy Technology,  
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Pondicherry University,  
Kalapet,  
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## MASTER'S MINI PROJECT & INTERNSHIPS

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### Mini Project | Pondicherry University

June-2019 to Dec-2019

- “Preparation and characterization of Fe-N/GO catalyst for alkaline ethanol fuel cell”

#### Key Learning:

- Study the synthesis route chemistry for Fe-N/GO catalyst
- Hummers Method

### Summer Intern student | Sunlit Future, Pondicherry

May-2019 - June 2019

- Performance analysis of rooftop project of capacity 10kW and hands-on experience in designing and installation.

### Summer Intern | Indian Oil Corporation Limited (IOCL), Digboi Refinery

June 2017-July 2017

- A comprehensive designed Training Program comprised of field visits to various units of production namely CDU, DCU, MSQU, SRU, HGU and HDT.
- Detailed study on Power and Utility.

### Winter Intern | National Power Training Institute, Kahilipara, Guwahati,

December 2016

www.nptiguwahati.in

- Detailed study of Electrical Sub-station Equipments.
- An industrial visit to the SLDC of AEGCL at Kahilipara, Guwahati-781019 along with a 132 kV Substation of AEGCL at Kahilipara, Guwahati-781019 and a Transformer manufacturing unit at EPIP Complex, Amingaon, Guwahati-781031.

## RESEARCH PUBLICATIONS & PRESENTATIONS

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**Ankan Phukan**, Angshuman Sharma, Amit Kumar Yadav and Ramanath Mishra, “Bidirectional DC-DC Converter for Incorporating Regenerative Braking in E-bikes” 2018 Third IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), At Mysuru, Karnataka

## TECHNIQUICAL SKILLS

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- Characterization Techniques:** X-ray Diffractometer, UV-Vis-IR spectrophotometer, Solar Simulator, Raman Spectroscopy, FTIR.
  - Programming Languages:** C, MATLAB
  - Microprocessor Programming:** 8085
  - Miscellaneous:** MS Office, MS Excel, Adobe Photoshop, Adobe Premiere Pro, Adobe After Effects
  - Operating system:** Windows, Linux\*
- \* Elementary proficiency

## EDUCATION

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Master's in Green Energy Technology  
Pondicherry University (Central)

Puducherry, India  
2018- 2020

Bachelor's in Electrical Engineering  
Tezpur University (Central)

Assam, India  
2014-2018

## AWARDS & ACHIEVEMENTS

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- **Best Actor in the Theatrical Event (skit) during the Annual Meet, Tezpur University, 2018**
- **Champion in Inter University Youth Festival (UNIFEST) 2014 -2015**
  - Second Position in Drama, Zonals, at Ranchi University, Ranchi
  - Second Position in Drama, Nationals at Devi Ahilya Vishwavidyalaya, Indore.
- **Scholarship Holder in Hindustani Classical Music- Tabla, 2011**

A National Level Scholarship Holder under the name and tag of Centre for Cultural Resources and Training (CCRT) in the field of Hindustani Classical Music- Tabla.
- **Diploma degree holder in Art and Craft, 2009**

Diploma Holder in Art and Craft from a registered institute ' Dibru Charu Karu Kala Vidyalaya'.
- **Visharad in Hindustani Classical Music- Tabla, 2009**

## POSITIONS OF RESPONSIBILITY

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- **Training and Placement Coordinator, Electrical Engineering, 2014-18 B.Tech** May 2017- May 2018
  - Coordinate between the students of Electrical Engineering 2014 -2018 B.Tech batch and keep them duly informed about the various Career related issues.
  - Management of in-campus and out-campus internship as well as training sessions.
- **Cultural Convenor of Tezpur University Students' Council** Sep 2016-Sep 2017
  - Conduct various cultural related programs within the university premises.
  - Conducted the Tezpur University, Annual Meet '17.
- **Cultural Convenor of Techxetra 2016, Tezpur University** Nov' 2015-Nov' 2016
  - Organized the Cultural related events in the techno cultural event, Techxetra 2016.

## REFERENCES

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Dr. B.M.Jaffar Ali  
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Centre for Green Energy Technology  
Pondicherry University(Central)  
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