

## Newsletter of Power Electronics & Instrumentation Engineering Department Jorhat Institute of Science and Technology

August 2022, Vol-1, Issue 3

Quarterly

### VISION

To become a centre of excellence in the field of power electronics and instrumentation engineering to meet the need of industry and society.

### MISSION

- To provide a platform for students to develop core competency and professional skills.
- Periodic update of the curriculum to bridge the theory-practice gap and to keep abreast with the recent technical developments
- To provide an environment conducive for innovation, team work, and entrepreneurial leadership and to reshape the ethics and human values of budding engineers
- To encourage faculty members to upgrade their knowledge through continuing education programs...

### NEWSLETTER HIGHLIGHTS

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# ABOUT THE DEPARTMENT



The Department of Power Electronics and Instrumentation Engineering (PEI) was established in the year 2009. The department presently offers 4 years B.Tech. in Power Electronics & Instrumentation Engineering with an intake of 60 students. The syllabus cover the areas of Power Electronics, Instrumentation and Control System engineering and is updated with new Credit Based Assessment System following the guidelines of AICTE model syllabus. Since the inception, the department has well equipped laboratories in Instrumentation, Control System, Measurement, Power Electronics devices, Electrical Machines mentioning a few with various modern softwares. Above all the department boost of young, dynamic and dedicated faculty and staff to serve the very cause. The department continuously strives to produce technically proficient and socially committed engineering professionals to meet the need of nation and the World. The students of the department do internship at different organizations like OIL, ONGC, NRL, BSNL, IITs and different research labs. The alumni of the department are absorbed in different organizations like OIL, NRL, APDCL, AEGCL, Wipro, TCS, Honeywell Technologies and in different Telecom sectors while others are pursuing higher studies in NITs, IITs, IIM and even in foreign universities.

## MESSAGE FROM THE HOD

Warm Greetings !

I am quite happy to share that the third issue of the Power Electronics and Instrumentation Engineering Department's quarterly news bulletin, PEI Chronicles, is going to be brought to light soon. As expected the department has become vibrant and individuals and teams assigned for specific activities (academic/non-academic etc.) have been doing their best to maintain the momentum in our pursuit for excellence.

I congratulate the Power Electronics and Instrumentation Engineering department faculty members and students for their contribution to department activities. Heartiest congratulations to the Editorial Board for this endeavour and forthcoming issue of the news bulletin.



**Sri Gautam Talukdar**

Assistant Professor and HOD,  
Power Electronics and  
Instrumentation Engineering





- ⇒ Second Newsletter entitled “ PEI Chronicles “ of Power Electronics and Instrumentation Engineering Department, Jorhat Institute of Science and Technology was published in 14 th April ,2022.
- ⇒ CIE-II of 2nd, 4th and 6th Semester (Session- 2022) was conducted in 7th, 8th and 9th June 2022.
- ⇒ CIE-III of 8th Semester (Session-2022) was conducted in 7th and 8th June, 2022.
- ⇒ CIE-III of 2nd Semester (Session 2022) was conducted in last week of June 2022.
- ⇒ BTech 8th Semester General Viva held on 27th June, 2022
- ⇒ BTech 8th Semester Project Viva held on 28th June, 2022
- ⇒ BTech 8th Semester students farewell held on 11th June, 2022.
- ⇒ BTech 8th Semester students farewell held on 11th June, 2022.
- ⇒ Mr. Arobindra Saikia, Assistant Professor Department of Instrumentation Engineering was External Examiner for BTech 8th Semester final Project Viva.
- ⇒ Angshuman Goswami was appointed as TPO, supervised the training and placement e-brochure 22 and working on empaneling JIST in multiple sectors for placement activities.
- ⇒ Angshuman Goswami become the Coordinator of Spokent Tutorial,IIT Bombay and successfully enrolled every batch of every stream in the semester planner for June,22.
- ⇒ Angshuman Goswami was appointed as a member for supervising Electrical Works in JIST campus and carried out a survey on past electrical works tendered for JIST.
- ⇒ Angshuman Goswami has successfully completed the task of conducting the examination CWT-22 in JIST.

*You must not lose faith in humanity. Humanity is an ocean; if a few drops of the ocean are dirty, the ocean does not become dirty*

**- Mahatma Gandhi**





BTech 8th Semester Group Photos along with all the faculty members of PEI Department and Principal Sir JIST.



Group Photos of PEI Department students along with all the PEI Department faculty members

Group Photos of B.Tech 6th semester students along with all the PEI Department faculty members







- ⇒ Sri Gautam Talukdar has participated in an Online QIP 6th Workshop on Brain Mapping and Artificial Intelligence held from 28th March to 6th April, 2022, Organized by Department of Electrical Engineering, Indian Institute of Technology, Delhi.
- ⇒ Sri Gautam Talukdar has attended an Online Seminar on "Science, Technology and Society: The Promise for next Generation " under the initiative of 'Azadi ka Amrit Mahotsav ' from 29th March to 7th April 2022, Organized by Department of Electrical Engineering, Indian Institute of Technology Delhi.
- ⇒ Sri Gautam Talukdar has attended a One Week Short Term Training Program through ICT Mode on "Institutional Management and Administrative Procedures" organized by NITTTR Kolkata from 25th April to 29th April, 2022.
- ⇒ Sri Gautam Talukdar has attended 2 days Workshop on "Mental Health Care and Artificial Intelligence " organized on 29th and 30th April 2022 under the Project Centre for Depression Diagnosis and Medication Adherence at Indian Institute of Technology Guwahati.
- ⇒ Sri Gautam Talukdar has attended a 15-days Online Training Course on "Mental Healthcare and Biostatistics" under the Project Centre for Depression and Medication Adherence" Organized by Department of Electrical and Electronics Engineering, IIT Guwahati from 30th May to 15th June 2022.
- ⇒ Sri Gautam Talukdar was appointed as External Examiner of BTech 8th Semester Project of Instrumentation Engineering Department, Jorhat Engineering College.
- ⇒ Mrs. Jumpi Dutta has successfully completed Two-week Short-term Training Programme through ICT mode on "Induction Training Programme Phase-I" organized by NITTTR Kolkata, from 30th May to 10th June, 2022.
- ⇒ Mrs. Jumpi Dutta was appointed as External Examiner at Jorhat Engineering College on 8th and 11th July, 2022 in the Instrumentation Engineering Department.
- ⇒ Dr. Rakcinpha Hatibaruah has attended a webinar on ""Optimization Algorithm For Solving Scientific Problems"" organized by Computer society of India, Kolkata
- ⇒ Dr. Rakcinpha Hatibaruah has attended a webinar on ""Intellectual property rights: Importance and it's implications in Indian context"" organized by institutions innovation council, GIMT, Guwahati
- ⇒ Dr. Rakcinpha Hatibaruah has attended a webinar on "Entrepreneurship: Essentials for starting up" organized by institutions innovation council, GIMT, Guwahati"

*A Person Who Never Made a Mistake Never  
Tried Anything New*

**Albert Einstein**





- ⇒ Mrs. Chandana Dev was in charge for PEI Department Farewell held on 11th June, 2022.
- ⇒ Golam Imran Hussain has attended a webinar on ""Intellectual property rights: Importance and it's implications in Indian context"" organized by institutions innovation council, GIMT, Guwahati
- ⇒ Golam Imran Hussain has attended a webinar on "Entrepreneurship: Essentials for starting up" organized by institutions innovation council, GIMT, Guwahati"
- ⇒ Mr. Pankaj Borah and his team have designed a low-cost solar street light (stand-alone) system with automatic dusk to dawn operation. The system is designed, assembled, and fabricated in JIST, PEI Laboratory. The designed system is also showcase of a prototype DC off-grid power plant system.



Solar street light during day time



Solar street light during night time



Kh. Nishi Kumar  
Singha



Rudrakshi Hazarika



Mr. Pankaj Borah  
(Project Supervisor)



Namita Laskar



Rashidul Islam





Shivanga Kumar Gogoi , a student of 4th semester , PEI Department , Completed training in "Hybrid Electric Vehicles" from 5th June 2022 to 5th July 2022 in Skill Vertex.

Shivanga Kumar Gogoi , a student of 4th semester , PEI Department , Published a book named "Questions of Digital World".

## Details of the book

Book Name: The questions of DIGITAL WORLD

Author: Shivanga Kumar Gogoi

Language: English

Publisher: Notion Press

Publication Date: 30 July, 2022

ISBN No.: 979-8887726694



Shivanga Kumar Gogoi

Sinchata Das has participated in a Aero modelling workshop held in Jorhat Engineering College.

Debolina Saikia Attended a 7 days boot camp on Python and Deep learning organised by DevTown

Jinti Rabha participated in Aero modelling workshop held in Jorhat Engineering College.



Aero modelling workshop held in Jorhat Engineering College.





## ALUMNI SECTION

- *Kantha Jyoti Sharma* got selected in *CRTD Technologies Pvt. Ltd.* as *Business Development Associate*.
- *Sinmoy Gogoi* got placed in *CRTD Technology*.
- *Gulanchmita Gayatri Crouchadwip* worked for *Mizoram University* online admission department.
- *Anurag Gogoi* is currently working as *Assistant System Engineer*, *Tata Consultancy Services Ltd Chennai*.
- *Jiwajyoti Mahanta* is currently working as *Research Scholar* in *Chemical Engineering* in *Indian Institute of Technology, Guwahati, Assam*.
- *Swarup Nandan Gogoi* is Pursuing *MBA* from *Dibrugarh University Assam*.
- *Debodutta Nath Chaudhury* got selected in *CRTD Technologies Pvt. Ltd.* as *Business Development Associate*.
- *Abhishek Sarma* is pursuing *Full Stack Web Development* course at *Masai School, Bengaluru*.





# EDITORIAL BOARD

## Advisors

**Sri Gautam Talukdar**

Assistant Professor and HoD PEI

**Mr. Angshuman Goswami**

Assistant Professor  
Electrical

## Editor

**Golam Imran Hussain**

Assistant Professor  
PEI

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