



CURRICULUM VITAE

SAHANUR REJA PARVEJ

M.TECH (POWER SYSTEMS)

 CONTACT NO : +919382559504

 E-mail : ratulchakta@gmail.com

 LinkedIn : [https://www.linkedin.com/in/sahanur-reja-parvej-](https://www.linkedin.com/in/sahanur-reja-parvej-810a93213)

[810a93213](#)  Address: CHAKTA, KETUGRAM, PURBA BARDHAMAN

CAREER OBJECTIVE

To obtain a position with opportunities to utilize my technical, branding, latest Computing technology and Industrial Experiences, skill, talent, creativity, sincerity, for the better achievement of the organization.

INDUSTRIAL EXPERIENCE

Supply and Management Trainee:(January 11: 2021 – February 08: 2021)

West Bengal State Electricity Distribution Company Limited (WBSEDCL)

Department: Substation and Power Distribution Management

Duties/Responsibilities:

- ❖ Operating all Control Panel of Substation
- ❖ Drawing Single-line Diagram of Substation
- ❖ Measurement of all Protective Electrical Equipment

COMPUTER KNOWLEDGE AND SKILLSET

- ❖ GENERAL PURPOSE PROGRAMMING : C, C++
- ❖ Microsoft PACKAGES : MS Office, MS Excel, MS PowerPoint

EXPERIENCE:

Name of the Post	Institution/Office where employed	Date of Joining	Duration
Assistant Professor	Swami Vivekananda University	01.01.2026	9 Months

EDUCATION:

Qualification	Institution/Place	University/Board	Marks
M Tech (Power System. Engineering)	Kalyani Government Engineering College, West Bengal	Maulana Abul Kalam Azad University of Technology	74%
B.Tech (Electrical Engineering) (4 Years Degree)	Cooch Behar Government Engineering College, West Bengal	Maulana Abul Kalam Azad University of Technology(Graduated Jul2022)	79.9%
Higher Secondary (+2)	Katwa Bharati Bhaban	West Bengal Council of Higher Secondary Education(WBCHSE)	66.6%
Secondary (10th)	Chakta Adarsha Sadharan Vidyapith	West Bengal Board of Secondary Education (WBBSE)	79.71%

LANGUAGE

- ❖ BENGALI
- ❖ HINDI
- ❖ ENGLISH

PUBLICATION

Kumar Ghosh, P., & Parvej, S. R. (2026). Design and Performance Analysis of and Efficient Soft-Switched Interleaved Boost Converter for Low-Voltage Fuel Cell Applications. Journal Of Recent Trends of Electrical Engineering, 2(2), 47–56. <https://doi.org/10.65525/jrtee.v2i2.32>

FACULTY DEVELOPMENT PROGRAMS & CERTIFICATIONS

Faculty Development Program (FDP): Attended "Data to imagination: Deploying Generative AI across Disciplines"

organized by St. Thomas College of Engineering and Technology, Kolkata (15 June – 20 June 2026).

NPTEL Certification Course: Completed 8-week course on "Research Methodology

B.TECH AND M.TECH PROJECT

B.Tech Project: Singal Axis Solar Tracking System

Developed a cost-effective and energy-efficient single axis solar tracking system aimed at maximizing solar panel output by dynamically aligning it with the sun's position. The system employed an array of light-dependent resistors (LDRs) to detect sunlight direction, which was processed by a microcontroller (Adriano) to control the orientation of the panel via a DC motor. By automating the tracking mechanism, the system significantly enhanced energy absorption compared to fixed solar panels. This project involved integrating sensor technology with embedded programming and motor control, resulting in a responsive and scalable solution. Emphasis was placed on low power consumption, mechanical stability, and real-time responsiveness. The final design was tested and demonstrated a measurable improvement in energy efficiency.

Project Guide Name: Mr.Tanumay Halder.

M.Tech Project: Isolated Switching AC-DC Power Supply.

Designed and developed an isolated switching AC-DC power supply using a fly back converter topology to achieve high efficiency and electrical isolation. Circuit simulations were conducted using tools like MATLAB/Simulink. Practical implementation involved PCB design, component selection, and thermal management considerations. The project also explored EMI reduction techniques and protection mechanisms such as overvoltage and short-circuit protection. Transformer-based isolation, rectification, filtering, and voltage regulation techniques. Focused on improving conversion efficiency, reducing switching losses, maintaining output voltage stability, and ensuring safe operation for power electronic and industrial applications. Performed circuit simulation, hardware implementation, testing, and performance analysis under different load conditions.

Project Guide Name: Prof. (Dr) Shib Sankar Saha

PERSONAL DETAILS:

Father's Name: Md Manuar

Hossain Mother's Name: Saira

Banu

Sex: Male

Nationality:

Indian D.O.B:

06.02.1999

REFERENCE:

Prof. (Dr.) Shib Sankar Saha

Professor of Electrical Engineering Department

Kalyani Government Engineering College

DECLARATION:

I hereby declare that the above information is true to the best of my knowledge and belief.

Date:

(Signature)

Place:

Sahanur Reja Parvej