



**AKS University**  
**SATNA**

[www.aksuniversity.ac.in](http://www.aksuniversity.ac.in)



Department of  
**Electrical**  
**Engineering**  
Faculty of Engineering & Technology

**B.Tech.**

**BROCHURE**  
**2025**





## ABOUT DEPARTMENT

At AKS University, our Department of Electrical Engineering prepares the students to meet the demands of changing industrial needs and molds them into successful and ethical professionals, globally accepted in Electrical Engineering and allied fields contributing to the nation's building. The Department has experienced and highly qualified faculty with strong research and professional expertise. Apart from teaching undergraduate and postgraduate courses, the faculty members are active in research and development. They are engaged in a broad range of research and development works with renowned overseas universities, research institutes, and multinational companies.



### VISION

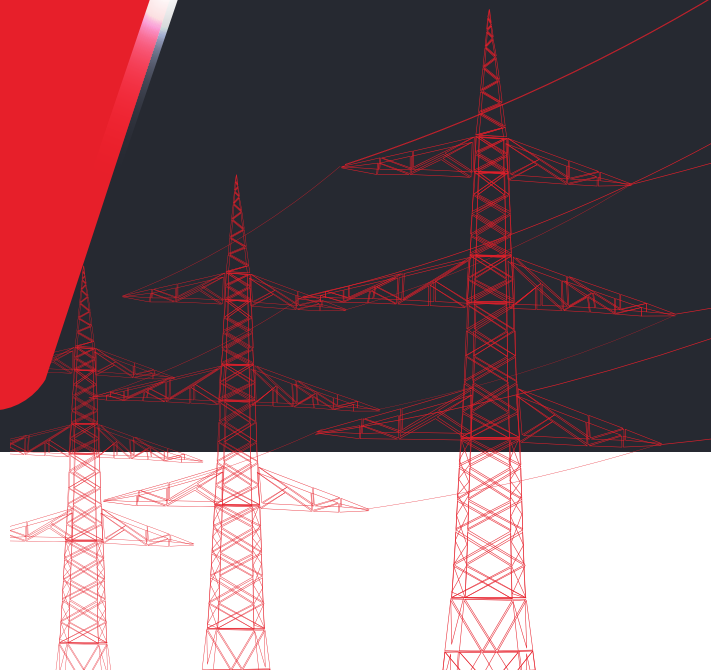


To attain excellence in technical education and research related to Electrical Engineering by transforming students into responsible professionals to contribute in sustainable development of industry, society and nation.

### MISSION



- Achieve academic excellence in an innovative teaching-learning process.
- Enable the entrepreneurial skills and competence integrated with teamwork, leadership, social and ethical qualities
- Develop as a center for education and research
- Enhancing resource generation through industrial collaboration and Training programs etc



# ACHIEVEMENTS OF DEPARTMENT



No. of Patents

1



Certificate of Registration  
for a UK Design  
Design number: 6360784  
Grant Date: 24 April 2024

No. of Book Published

2



No. of Book Chapter

10



No. of MoUs

2



LEARNET<sup>1</sup>  
SKILLS FOR LIFE

No. of Paper Publication

7



ELSEVIER  
Scopus

IEEE



06

Industrial Visit Every Year



03

Seed Money Project



08

Conferences & Workshop



22

Research Project in 5 Yrs



20

Faculty Development Program

and many more...



## Our Alumni



**Rohit Vishwakarma**  
GET, Indian Railway



**Ms. Sweta Singh**  
Aptiv Components India Pvt Ltd



**Mr. Krishna Kant Tripathi**  
Aptiv Components India Pvt Ltd



**Mr. Shivveer Singh**  
Mintech india pvt ltd



**Ajay Kumar Bais**  
Wonder Cement



**Sudheer Ku. Chaudhary**  
Black Tiger Cement



**Abdul Manan K**  
Tech. Mahindra



**Shivam Tripathi**  
PSU Miniratna-I



and many more...

## INDUSTRIAL VISIT



**Nabh Thermal Power Plant**  
Chandigarh, Visit



**Sanjay Gandhi Thermal**  
Power Station



**TONS Hydro Power Plant**



**Prism Johnson, Cement Plant**



**Sonaura Substation Visit**



**SAIL, Bhilai**



# Department Labs

1

Electrical Machine Design & Simulation Lab

3

Renewable Energy Lab

5

Electrical Machine Lab

7

Power System Lab

9

Microprocessor and Microcontroller Lab

11

Control System Lab

Research & Development Lab

2

Electronics Lab

4

Power Electronics and drives Lab

6

Instrumentation Lab

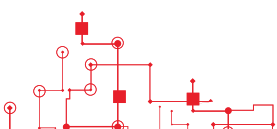
8

Electrical Circuit Analysis Lab

10

Digital Electronics Lab

12



# FUTURE PROSPETIVE

- Start a Incubation centre to promote startup in Renewable Energy Integration
- Develop a high-quality Lab Internet of Things (IoT) and Connectivity Ai and Machine learning technique for power System
- Develop as a center for stability and research on Electric Vehicles (EVs) and Infrastructure
- Sustainable development of industry, society and nation
- Research centre for Motor fault Prediction, Maintenance and Design



# BEST PRACTICES

