The vision & mission of the GGITS, Jabalpur is:

**Vision**

Initially to seek autonomy and eventually to grow the institute into a renowned University by:

1. Imparting the best technical and professional education to the students of the institute.

2. Developing all the departments of the institute as Centre of Excellence.

3. Creating the most congenial and cordial environment of teaching learning and research in the institute.

4. Conceiving world class

education, ethics, and employability for students in global perspectives.

**Mission**

To explore and ensure the best environment to transform students into creative, knowledgeable, principled engineers and managers compatible with

their abilities in ever changing socioeconomic

and competitive scenario by:

1. Imparting intensive teaching and training through latest technology.

2. Motivating the teachers for higher learning and innovative research activities with social services.

3. Generating maximum opportunities for placements of students in national, multinational companies and nurturing entrepreneurship qualities.

4. Producing highly intellectual citizens through technical education to constitute an elegant society and meeting social challenges.

**About the department**

Department of Electrical Engineering (EE) is established in the year 2003 with the intake of 60 students to meet the requirements of Electrical Engineers for power sector, power sector industries, productions industries (PSU/Private) and R & D activities of Electrical Engineering after the consultation with stakeholders of the institute. The intake of the department doubled in the year 2012 with total of 120 students. Excellent infrastructure and equipment is provided for the students, so that our students come out with knowledge of latest technology in both software and hardware. The Internet facility has been extended to all the students

**The Vision & Mission of the Electrical Engg. Department is:**

**VISION**

To produce Electrical Engineering graduates with sound technical knowledge and with ethical values who could excel in Electrical Systems.

To apprise students of state of art technology and industrial engineering applications.

To make Electrical Department as a centre of excellence.

To encourage industrial activities in department with faculty and student participation.

**MISSION**

To Impart intensive and innovative teaching and training through latest technology to provide cutting edge for achieving excellence.

To award practical projects aiming at solutions to practical industrial problems.

To motivate faculty and technical assistants for updating / upgrading knowledge through training, seminars, workshops, conferences and higher studies.

To create accredited / certified centre for testing of transformers and other electrical equipments to cater to the needs of power sector / industries.

Impart knowledge / solutions of social challenges, ethics, echo / environment etc. to produce worthy citizens.

**Program Educational Objectives (PEOs)**

*“Careers our graduates in various fields”*

*“Our graduates also pursue career in higher education and will have an approach for solution of real l life problems for social welfare”*

*“Self employment and will have for concern eco and environment”*

***PEO 1***

*Graduates will enter careers in the MNCs, PSUs Private sector companies, etc. in the field of design, application, installation, manufacturing, operation & maintenance of electrical systems.*

***PEO 2***

*Graduates will be undertaking higher studies. Graduate will analyze real life problems, will design technocommercially feasible solutions to social problems.*

***PEO 3***

*Graduates will be entrepreneurs, and will produce intellectual citizen to constitute an elegant society to meet social challenges with ethical & moral values having concern for the echo and environment.*

**Program Outcomes**

Program outcome explain as to what undergraduate students are expected to learn/know or will be able to do on completion of the graduate from this program.

PO1-Graduates will be able to apply acquired knowledge of Mathematics, Science & Electrical Engineering knowledge in solving engineering problems.

PO2-Graduates will be able to design and develop electrical power networks and provide solution to engineering issues.

PO3-Graduates will be able to conduct experiments, analyze / Interpret data to arrive at firm conclusions.

PO4-Graduates will be able to select appropriate state of art tools / techniques for investigations of complex problems.

PO5-Graduates will be able to identify and analyze Engineering problems.

PO6-Graduates will be able to understand problems / issues of society & provide solutions.

PO7-Graduates will be able to identify the needs of the society and will contribute in sustainable development of the society.

PO8-Graduates will be able to conduct ethically & follow the norms of professional bodies.

PO9-Graduates will be able to communicate and express their point of view.

PO10-Graduates will be able to analyze and establish technical and commercial viability of projects.

PO11-Graduates will be able to work as team leader or as team member for successful completion of projects.

Students projects