

A word from the chair: My colleagues and I are striving to transform SIRT into a 'Knowledge Enterprise'. The relevant concepts that we expect to build into SIRT are:

A knowledge enterprise is an institution which is capable of production, marketing, maintenance and innovation of knowledge as a product.

Welcome to the issue of our departmental newsletter! We hope this newsletter will keep our wider community up to date with news and activities in the department. In this issue, you'll find an article about exciting work College students did.

We'll continue to update you every semester. Please contact us with any comments or suggestions.

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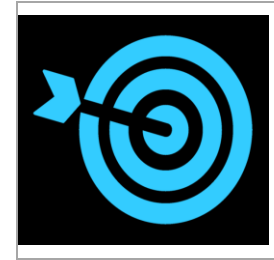
SAGAR INSTITUTE OF RESEARCH & TECHNOLOGY



Department of Electrical & Electronics Engineering

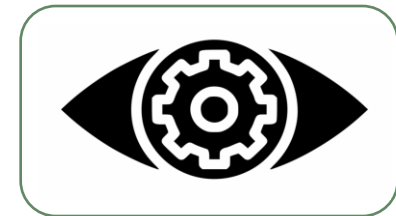
Department of Electrical and Electronics engineering was established in 2003 & is an integral part of Sagar Institute of Research & Technology, Bhopal. The department offers the 4 years undergraduate degree program in Electrical & Electronics engineering & is affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) Bhopal. The department has been constantly modernizing the infrastructure and laboratory facilities. The department is endowed with well-equipped laboratories as required by curriculum of RGPV.

Mission



1. To achieve academic excellence in providing technical education by incorporating the principles of Total Quality Management (TQM)
2. To provide state-of-art infrastructure for enhanced learning & research with IT based knowledge management to meet global challenges
3. To inculcate ethical, moral, & cultural values among Electrical & Electronics Engineering professionals.

Vision



To motivate and mould students into world class Electrical & Electronics Engineering professionals who will excel in their field and effectively meet challenges of the dynamic global scenario.

Program Educational Objectives (PEO's)

PEO1. Graduates will apply fundamental and advanced knowledge in order to face all sorts of challenges in industry or in pursuance of higher studies.

PEO2. Graduates will exhibit effective communication, managerial and teamwork skills, professional and ethical attitude for the interdisciplinary work environment and are aware of the lifelong learning.

PEO3. Graduates will apply scientific and engineering knowledge in order to identify, understand, analyse, design and create novel products for giving practical solutions to real life problems.

Program Outcomes (PO's)

Engineering Graduates will be able to apply:

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusion using first principles of mathematics, sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate technique, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need of sustainable development.

Program Outcomes (PO's)

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively in complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSO's)

PSO1. Able to specify, design and analyze various electrical systems to meet the desired needs within realistic constraint.

PSO2. Able to apply the acquired knowledge to analyze, design and test real life electrical engineering problems using modern tools and methodologies.

PSO3. Able to demonstrate the skills to work on projects in team and demonstrate commitment to professional, ethical practices and life long learning.




EXPERT LECTURE

Ms. Vandana Sharma from **Gayatri Parivar**, delivered a motivational lecture on **“STRESS MANAGEMENT”** on **6/01/2020**.



STUDENTS ACHIVEMENT

EX VII SEM TOPPERS :

NAME	SGPA	PHOTO
DEEPESH RAJPUT	8.75	
RAJSHREE SONI	8.69	
RAJEEV PAWAR	8.63	

STUDENTS ACHIVEMENT

PLACEMENT:

DEEPESH RAJPUT



Company Name: ACADECRAFT

Job Profile: CONTENT WRITER

FACULTIES ACHIVEMENT

The following faculties of EX Department have earned **100% results** in their respective subjects of excellent teaching.



Dr S C Bhageria

Professor

EX-7004(HVE)



Prof Swati Pandey

Assistant Professor

EX-7002(ED)



Prof Arti Tiwari

Assistant Professor

EX-7003(CAPS)



Prof Nishant Thakkar

Assistant Professor

EX-7005(PSE)



Prof Seema Rajput

Assistant Professor

EX-7001(CN)

FACULTIES NOMINATION FOR AWARDS

The following faculties of Electrical and Electronics Department are **nominated** for the **SRAJAN AWARD** in their respective subjects of excellent teaching.



Dr Shafali Jain

Associate Professor

PS-II



Prof Arti Tiwari

Assistant Professor

UEE