SAGAR INSTITUTE OF RESEARCH & TECHNOLOGY
9001 - 2008 ISO Certified Institute of MP

MARCH 2021 EDITION

CSE

COMPUTER SAMWAD
A publication of the Sagar Institute of Research & Technology Computer Science and Engineering Department

VISION

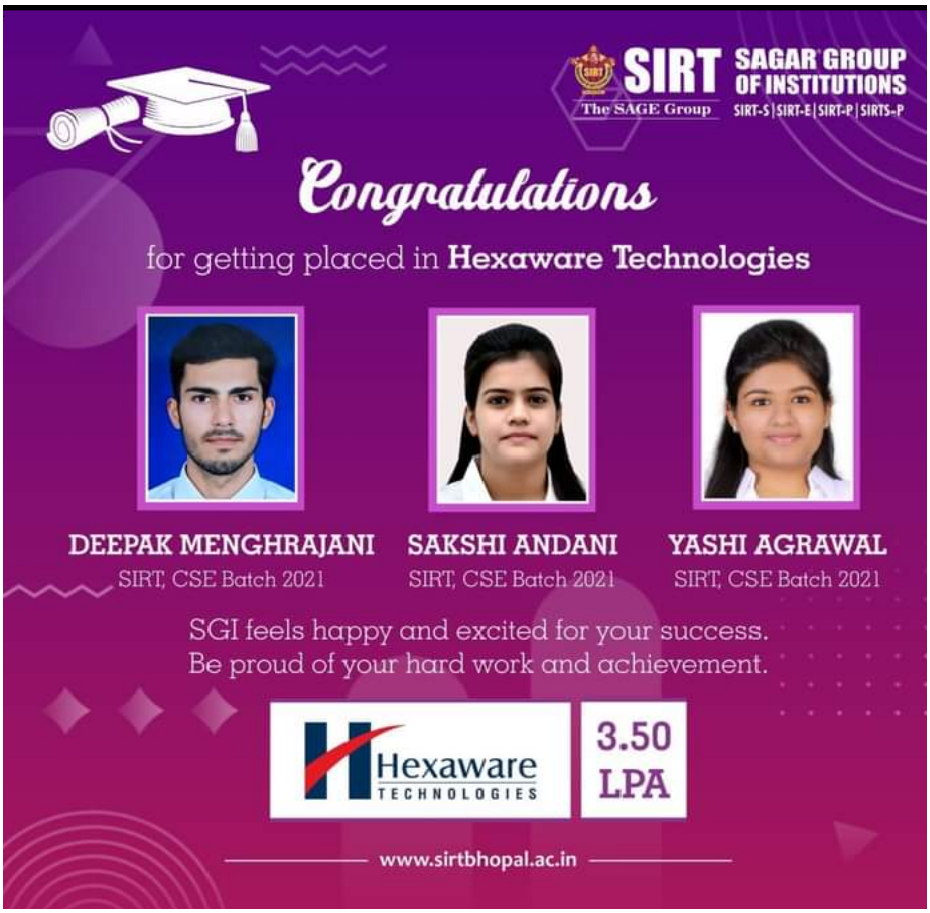
To motivate and mould students into world class Computer Science and Engineering professionals who will excel in their field and effectively meet challenges of the dynamic global scenario

MISSION

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

The Department of Computer Science & Engineering is one of the core Department of SIRT and was established in 2003 to initially offer Bachelor of Engineering degree in Computer Science & Engineering. Keeping in view the dynamic nature of growth in the industry and the increasing demand for IT professionals, later the Department has started a postgraduate program to offer Masters of Technology.

PLACEMENT

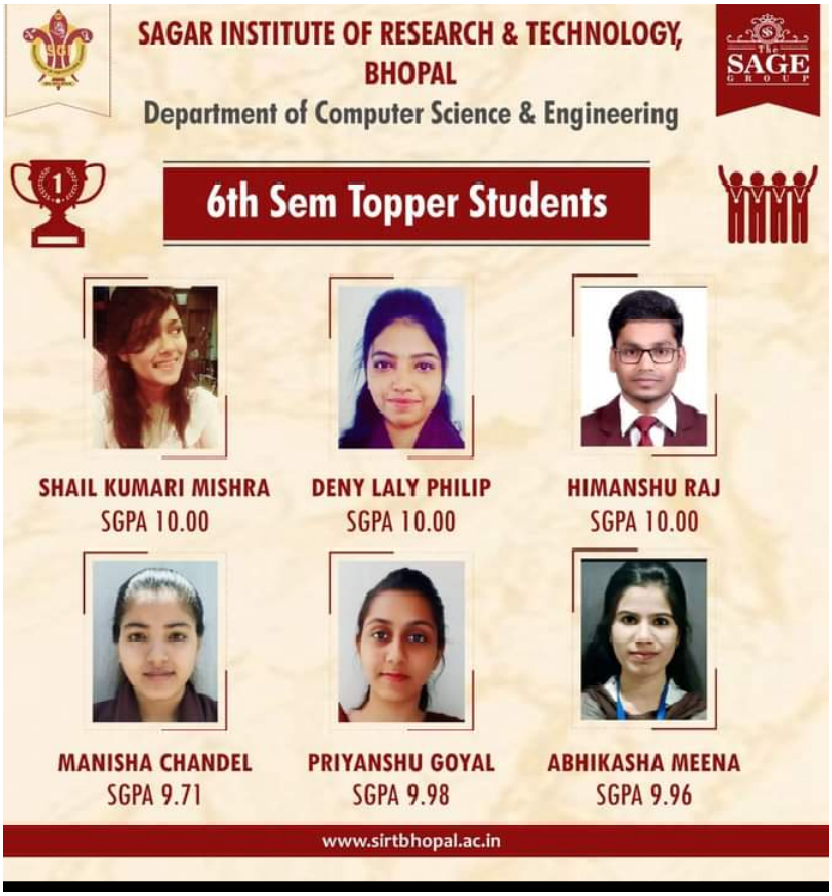


We Congratulate our Batch 2021 students Deepak Menghrajani, Sakshi Andani and Yashi Agrawal for getting placed in Hexaware technologies.
We are proud of their hard work and achievement.

RESULTS

Happy to announce that Batch 2017-2021 third year students performed very well in the exam and we congratulates all the topper students for their out of the box performance.

Shail Kumari Mishra, Deny Laly Philip, Himanshu Raj, Manisha Chandel, Priyanshu Goyal and Abhilasha Meena are the topper students from the batch.



VOICE

A Message from the Department Chair

Established in 2003 as the Department of Computer Science & Engineering, we have an excellent & rich history and an outstanding record of contributions to the profession and community. The Department is well recognized for excellence in facilities and teaching.

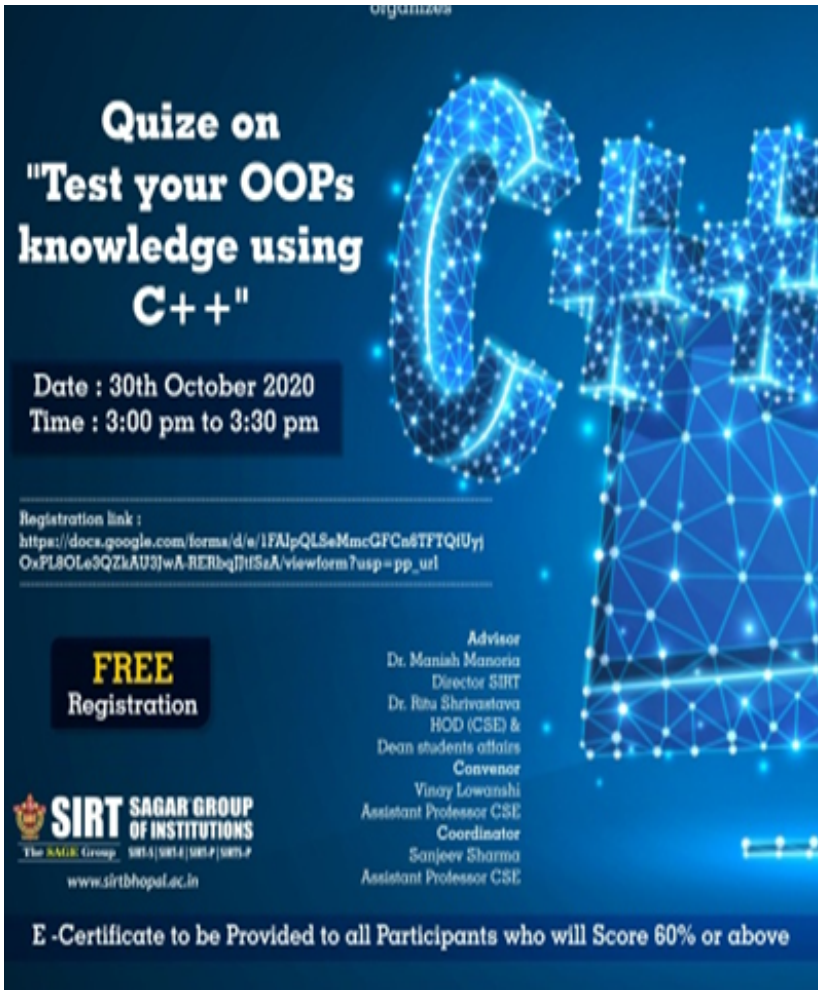
At Present, the Department offers B.Tech. in Computer Science & Engineering and M. Tech. in Computer Science & Engineering.

The aim of these programmes is to enable students to acquire specialized knowledge for various subjects in computer science, as well as to enrich the students personal, social and cognitive development to meet challenges of today and tomorrow. The Department is well equipped with high end computers, latest software & state- of-the-art IT infrastructure and all these computing resources are inter-connected with high speed intranet. Our students are exposed to up-to-date curriculum, technology and techniques. The Department has well experienced & dedicated faculty members with different specializations.

Our faculty is involved in cutting- edge research areas, including Machine learning, Data Science, Cloud Computing, computer networks and artificial intelligence. The Department prides itself on good career opportunities for students. Our students graduate with more than 100% placement through campus. Many companies of repute show their interest to visit our Institute for campus recruitment.

Yours,
Dr Ritu Shrivastava Professor & Head

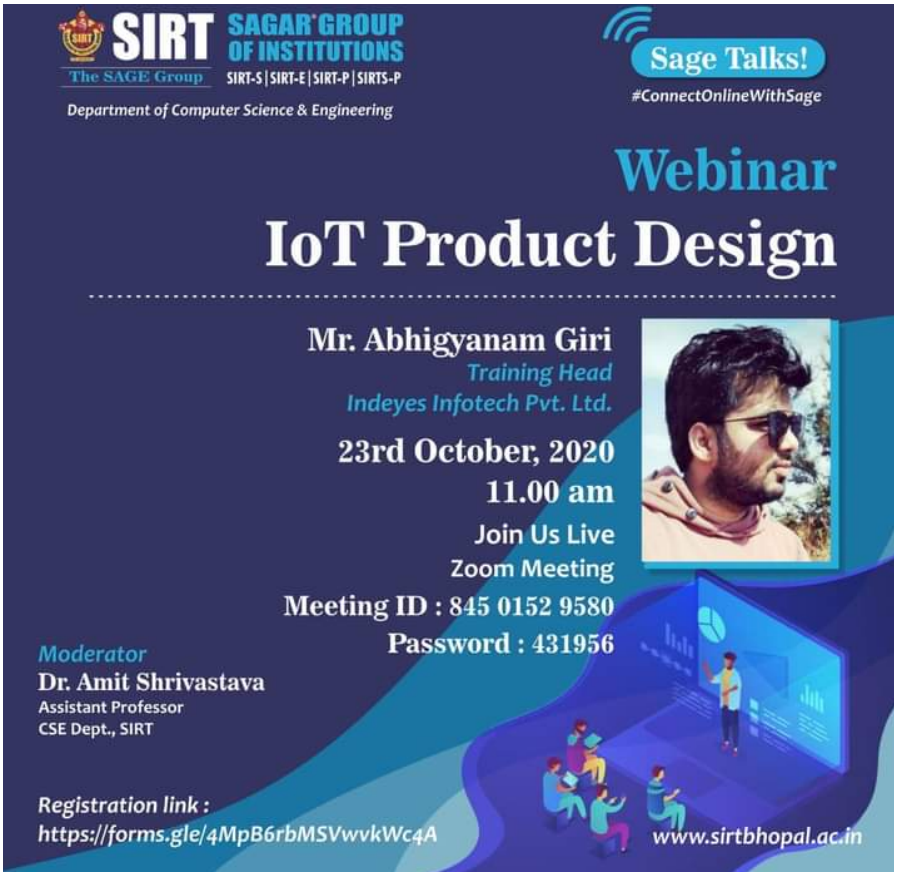
SAGE SUMMER SCHOOL



1.Sage Summer School on “Quiz on Test your OOPs knowledge using C++” organized by Department of CSE, SIRT 30th Oct 2020 Coordinated by Prof. Vinay Lowanshi, Assistant Professor, CSE, SIRT and Training by Prof.. Sanjeev Sharma Assistant Professor, CSE, SIRT

2.Sage Summer School on “Machine Learning using Python organized by Department of CSE, SIRT from 26 Sept- 4 Oct 2020 Coordinated by Prof. Ankur Pandey, Assistant Professor, CSE, SIRT

SAGE TALKS



Sage Talk was organized by the department on Oct 23, 2020 on “Iot Product Design” by Mr Abhigyanam Giri, Training Head, Indeyes Infotech Pvt.Ltd. This talk has been coordinated and moderated by Dr. Amit Shrivastava

Another Sage talk was organized by the department on Oct 31, 2020 on “Data Analytics” by Ms.Arti Mishra, Sr. Data Analyst, Epsillone Pvt. Ltd. This talk has been coordinated and moderated by Prof. Sanjeev Kumar Sharma and Prof. Ashutosh Pandey

FACULTY ACCOLADES

PATENT

Prof.Keshav Mishra and Prof.Arun Jhapate, CSE, SIRT has published a patent on "A computer implemented method for Interoperability between Heterogeneous IOT devices using Adaptive Extensible Universal Schema and Grouping of Homogeneous Iot Device."

One Patent filed on the topic "A system and method for Disaster Management using Flying-Adhoc network" by Dr Ritu Shrivastava along with team members on 24 October 2020

One Patent filed on the topic "A method and system for Diagnosis of Medical condition of Coronavirus" by Ruchi Dronawat along with team members on 02 Novemeber 2020

PAPER PUBLICATION

1.Faculty name : Komal Tahiliani
Topic-Implimenting Data Hiding Approach by Neural Network and Retrieval of Audio,video and Text files.
Publication name=International Journal of scientific Research in Computer science, Engineering and Information Technology
Date of publication=21st October 2020

2. Faculty name : Anupriya Singh
Topic-Implimenting Data Hiding Approach by Neural Network and Retrieval of Audio,video and Text files.
Publication name=International Journal of scientific Research in Computer science, Engineering and Information Technology
Date of publication=21st October 2020

3.Faculty name : Ankur Pandey
Topic-Design of Compact modified UAV for Disaster Response Operations.
Publication name=Solid State Technology Journal,Vol 63,Issue 6
Date of publication= 24th October 2020

4. Faculty name : Ruchi Dronawat
Topic-SMS Spam Detection using SVM with various kernel Functions
Publication name=International journal of Analytical and Experimental Modal Analysis.
Date of publication=October 2020

5. Faculty name: Dr.Ritu Shrivastava
Topic-To study and Implimentation of Image compression using Inexact Computing
Publication name=International Journal of scientific Research and Development.

6. Faculty name: Dr.Ritu Shrivastava
Topic-"Challenges BlockChain Technology Using IOT for Improving the Personal and Physical Safety – Review

7. Faculty Name: Prof.Chetan gupta
Title: An Enhanced Sentiment Classification of amazon Mobile Product Reviews using Decision Tree Algorithm.

CONFERENCE

1) Komal Tahiliani attended conference on "phishing Attacks and social Engineering" on 29th and 30th Oct'2020
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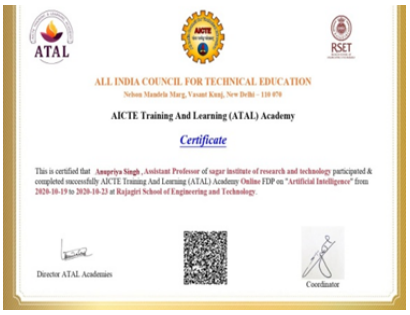
2) Anupriya Singh Attended conference on "phishing Attacks and social Engineering" on 29th and 30th Oct'2020.

FDP

Prof .Anupriya Singh attended AICTE ATAL online FDP on AI from 19-10-20 to 23-10-20 at RSET.

Prof.Komal Tahiliani attended AICTE ATAL online FDP on AI from 19-10-20 to 23-10-20 at RSET.


ATAL
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
AICTE Training And Learning (ATAL) Academy
Certificate
This is certified that Anupriya Singh, Assistant Professor of sagar institute of research and technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 2020-10-19 to 2020-10-23 at Rajagiri School of Engineering and Technology.
Director ATAL Academies
Coordinator

Prof .Rupali Choure Attended AICTE online FDP on IOT(Internet of Things) from 14-12-20 to 18-12-20 at CDAC

Dr.Kapil Chaturvedi attended National Level Faculty Development Program on "Research and Teaching Techniques" from 18-22 Jan 2021 organized by Govt P.G college Damoh .

STTP

Prof.Rupali Choure attended 1 week AICTE RGPV online STTP on "Applied Natural language processing" from 18-23 Jan 2021

REVIEWERS

Anupriya Singh has been selected as a Reviewer for journal "world wide journal of Multidisciplinary Research and Development".

Komal Tahiliani has been selected as a Reviewer for journal "world wide journal of Multidisciplinary Research and Development".

Dr Kapil Chaturvedi Appointed as PC Member in 10th IEEE CSNT2021 international conference and review 3 research papers.

Prof.Rupali Choure is appointed as TOYCATHON Evaluator

PROGRAM OUTCOMES

Engineering Graduates will be able to:

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: 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.

PO4: 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.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on 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.

PO11: 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.

PO12: 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 EDUCATIONAL OUTCOME

PEO1: Graduates shall have fundamental and advanced knowledge in mathematics, science, Computer Engineering and inter disciplinary engineering to emerge as technocrats.

PEO2: Graduates shall have capabilities to develop software, understand the technical specification, design and provide innovative solutions for society by diligence, team work and lifelong learning.

PEO3: Graduate shall have good communication skill, leadership skill, professional and ethical values.

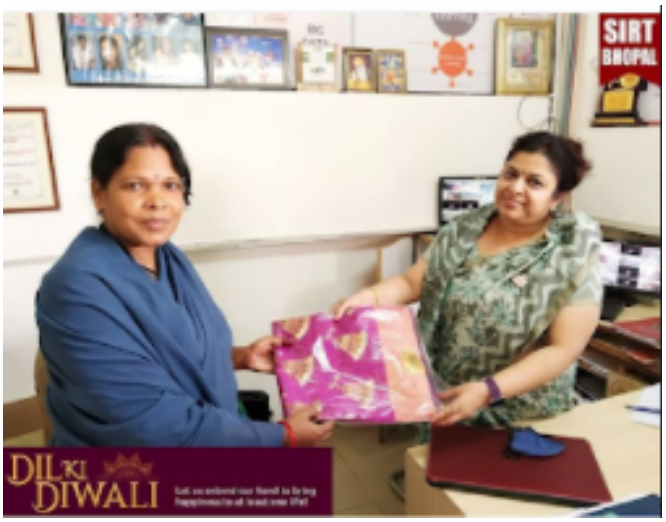
PEO4: To equip graduates with the ability to get employed in industries or pursue higher studies or turn as researchers or entrepreneurs.

PROGRAM SPECIFIC OUTCOME

PSO1: Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.

PSO2: Ability to understand the structure and development methodologies of software systems. Possess professional skills and knowledge of software design process. Familiarity and practical competence with a broad range of programming language and open source platforms.

PSO3: Ability to work in team and apply the knowledge acquired to develop new real life systems and able to adapt to societal needs of future.



SIRT celebrated Diwali with an initiative of "DIL ki DIWALI" under which the department distributed gifts to class IV employees.

FACULTY EDITORS

Prof.Prachi Sharma,
Assistant Professor.
CSE,SIRT

Student Editors :
Tanya Jain VIIIth sem
Soumya Shrivastava VIth sem