



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

EDITORIAL MESSAGE

We proudly present Newsletter for even semester of academic year. The prime motive of the newsletter is to highlight the achievements of students and faculty in academics and extracurricular activities. Department took initiative for arranging site visits to. All our Third Year students underwent one month summer internship programme in reputed organisations.

Final Year students were encouraged and guided for different competitive examinations. We are actively involved in knowledge enhancement of students through project based learning, In house trainings and organising technical events.

Considering the demand of Data science, this year we started with the new four year undergraduate degree program in Artificial Intelligence & Data Science. Al and Data science is the current trend ruling the business world and it is highly paid career now. Artificial Intelligence and data science is a suitable course for those who would like to develop various intelligent business solutions. Big data solutions has changed the way how business models to be built and run. Be sure to read it all to gain an even better insight of our prestigious college.

Enjoy reading. As always, we welcome your comments.

EDITORIAL TEAM

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Assistant Professor & HOD CSE Dept. SISTec Bhopal

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(7 th Sem)

Shivank Pandey

(5th Sem)

VISION

To be renowned for excellence in Computer Science & Engineering By providing a nurturing environment for producing competent engineers having ethical understanding with social and environmental concerns.

MISSION

Mission 1:To provide efficient resources in terms of appropriate infrastructure and well qualified faculty for effective teaching learning process to produce industry ready professionals.

Mission 2: To inculcate software and technical skills through proper trainings, workshops, internships, expert lectures and industry collaborations to design and develop the product for the betterment of the society.

Mission 3: By drilling moral values among students and to develop spirit of team values to be able to contribute and lead successfully in challenging and stressful work environments.

PROGRAMME EDUCATIONAL OBJECTIVE

- **PEO-1:** Develop graduates in Computer Science & Engineering having strong background of mathematics and Engineering to satisfy the needs of the IT Companies and society.
- PEO-2: Develop graduates who can demonstrate technical dexterity in the field of Computer Science & Engineering by designing ,developing & maintaining projects in numerous verticals.
- **PEO-3:** Develop graduates who will engage in lifelong learning and can work as an Individual /team to fulfill the goals with a sense of ethical responsibility.

DEPARTMENTAL ARTICLE

TRANSFORMING THE WORLD WITH ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING

Computers that learn from data and use algorithms to execute tasks without being explicitly programmed are remarked as Machine learning. Deep learning is predicated on an advanced set of algorithms that are modelled after the human brain. this permits unstructured data, like documents, photos, and text, to be processed. Machine learning may be a subset of AI, while deep learning may be a specialised subset of machine learning. Over the foremost recent few years, the employment of Machine Learning approaches like Deep Neural Network (DNN) models became more appealing within the medical services framework given the rising intricacy of the treatment information. Deep Learning (DL) and Machine Learning strategies are displayed as promising techniques in design acknowledgment within the medical services frameworks. the target is first to provide broad knowledge into the use of deep learning models and Machine Learning methodologies in treatment arrangements.

The innovative period of medical services generally relies upon the use of AI, for instance, deep learning and knowledge science, which are the advances within the field.

The utilization of brilliant gadgets like IoT, edge gadgets, drones, robots, webcam, and smart clinical hardware is effective within the circumstance of pandemic.

Computer based intelligence innovation is advancing into clinics, care offices and specialist's workplaces everywhere the world - and medical aid suppliers and patients are as of now receiving the rewards. due to these useful assets, suppliers are seeing smoothed out processes and decreased expenses, and patients are becoming more customized consideration and on-request care.

In this new era of technology, companies and developers round the world are talking about embracing AI (AI), machine learning (ML), and deep learning (DL).

Al is an umbrella discipline that covers everything associated with making machines Smarter. Machine Learning (ML) is usually used together with Al but it's a subset of Al. Al,ML and Deep Learning Techniques goes hand in hand for improving patients conditions and for diagnosis of disease in Health care.

Considering the ongoing demand of Artificial Intelligence and Machine Learning in every field, Sagar Institute of Science and Technology, Gandhi Nagar had launched a specialized B-Tech course in Artififial Intelligence and Data science.

Written by **Prof. Rahul Dubey**Assistant Professor (CSE)

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DEPARTMENTAL ACTIVITIES

SISTec Faculty Development Program on "Learning to code is learning to create and innovate".

SISTec Department of Computer Science and Engineering organized a Faculty Development Program (FDP), in Collaboration with EICT Academy-IIT, Kanpur on

"Learning to code is learning to create and innovate". Aim of this FDP is to provide upgradation of knowledge and skills for faculties specifically for Competitive Coding in C, C++ so that they can lend a hand to the students in the building of their programming skills. During the course, faculties learned everything needed to participate in real competitions that sthe main goal.



Coordinator:
Dr. Vasima Khan
Associate Professor
CSE Dept., SISTec-GN | Mob: 9977725489

Registrations Link: https://bit.ly/3xmgHKs



Two Weeks Semester Break Training Program.

SISTec Department of Computer Science & Engineeringconducted two weeks Semester Break Training on "Front End Web Development and Visual Graphics in C" for 5th semester students. A rigorous training was provided by department expert faculties.







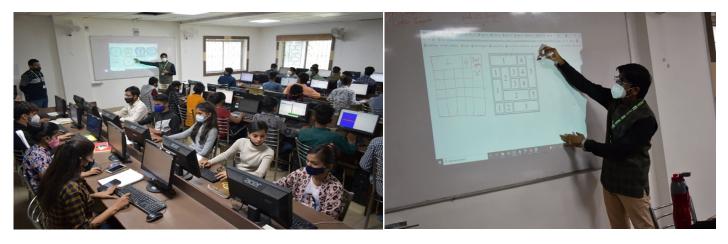


One Week Workshop on Web UI Design.

SISTec Department of Computer Science & Engineeringhad organized a "One Week Capsule" Course on "WEB UI Design" for 3rd semester students. The workshop started from 10th November 2021.

The workshop was rigorous one, comprising hands-on sessions delivered live (offline) by experts.





Seminar on A Roadmap to Become AR-VR developer.

SISTec Department of Computer Science & Engineering organized a seminar on A Roadmap to Become AR- VR developer for the students. The expert speaker in this seminar was Mr. Udit Kulmi an AR-VR developer at TechXR Innovation.

Keypointers covered in the event were

- Fundamental concept of AR-VR
- Use of AR-VR in the current scenario
- App Development
- Career in AR-VR development
- · Salary packages in this field





Placement Oriented Project Based Training on "Data Structures & its applications".

SISTec Department of Computer Science & Engineering under the banner of the Institution's Innovation Council (IIC-SISTec) organized a Placement Oriented Project Based Training on "Data Structures & its applications" from 28th December 2021 to 31st December 2021. This



Training was headed by our in-house training experts: Prof. Nikhlesh Pathik, Dr. Aishwarya Anand, and Prof. Nargish Gupta.





Expert Lecture on "Introduction to Rain water harvesting Technology for water conservation"

Department of Computer science & engineering organized Expert Lecture on "Introduction to Rain water harvesting Technology for water conservation" on 16th November '2021.



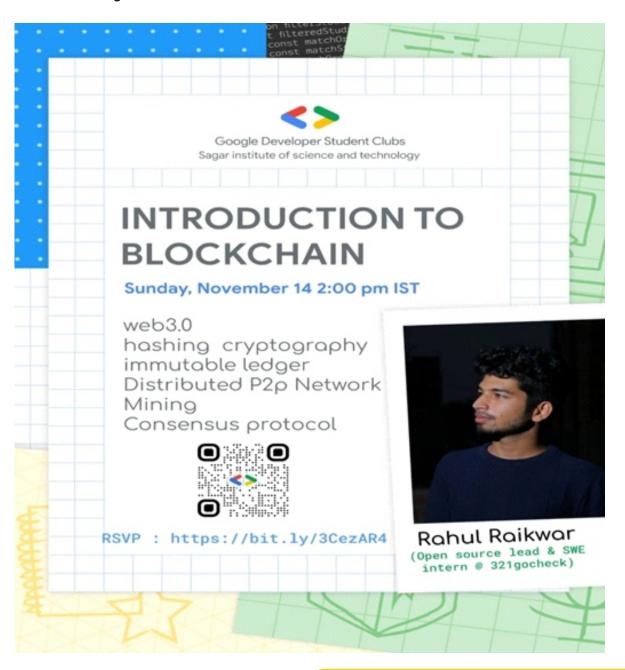
STUDENT ACTIVITIES

Webinar on "Introduction with Blockchain" by Developer Students Club.

The technology likely to have the greatest impact on the next few decades has arrived and it's not social media, it's not BIG data, it's not Robotics, it's not even AI, you'll be surprised to learn that its underlying Technology of digital Currencies like Bitcoin it's called the blockchain.

DSC, SISTec Department of Computer Science & Engineering, have come with very first Introductory session about Blockchain.

The Session "Introduction with Blockchain" was to make you understand the power of blockchain systems, and the things they can do, it is important to distinguish between three things that are commonly muddled up, namely the bitcoin currency, the specific blockchain that underpins it and the idea of blockchains in general.



Fresher 2021

Fresher's Party in any college is an event that every student eagerly awaits from their time of admission. The 30th of November 2021 was a memorable day in the life of every fresher of B.Tech batch 2021-22 at SISTec. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter and happiness. SISTec Department of Computer Science & Engineering wholeheartedly welcomed the newly admitted students in the freshers' programmed - RHAPSODY 2K21









ACHIEVEMENT & AWARDS

SISTec CSE Faculties got 99 percentile in AMCAT.

Congratulations to our faculties from Sagar Group of Institutions-SISTec for their outstanding accomplishment of securing 99 Percentile in #AMCAT.It is indeed a moment of pride that the following faculties have made SISTec Department of Computer Science & Engineering Proud with their performance:-

1. Ms. Bhavana Gupta, 2. Dr. Vasima Khan, 3. Mr. NikhleshPathik, 4. Dr. Pushpraj Singh Chauhan, 5. Mr. Amit Kumar Rathore, 6. Ms. Ruchi Jain, 7. Ms. Bhavna Pankaj Soni, 8. Mr. Rahul Dubey, 9. Ms. Shweta Gonde, 10. Ms. Anita Yadav, 11. Ms. Radha Rashmi Tiwari, 12.Mr. Umesh Kumar Sahu, Mr. Vipin Verma, Ms. HimshiChouksey, Ms. Shweta Singh



PLACEMENT















