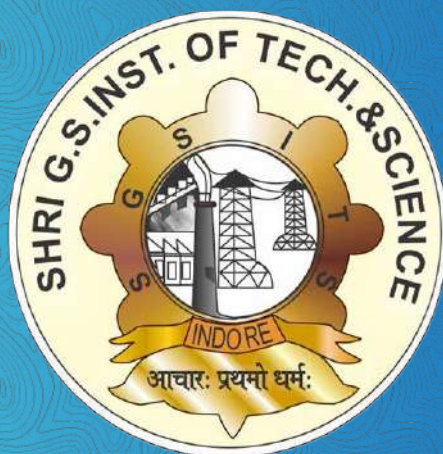# Shri G. S. Institute of Technology and Science

Indore, Madhya Pradesh

GOVT AIDED AUTONOMOUS INSTITUTE ESTD IN 1952

Department of Computer Engineering

News Letter

SESSION : 2022-23

Vision of the Department

To become centre of excellence for creating competent human resource in the field of Computer Science and Engineering meeting the dynamic societal and industrial needs.

Mission of the Department

M1: To produce technically competent professionals in Computer Science and Engineering having a blend of theoretical knowledge and practical skills.
M2: To encourage innovation, research and analytical activities with professional ethics and responsibilities through quality education.
M3: To provide learning ambience in collaboration with industries to keep pace with dynamic technological advancements and promote spirit of entrepreneurship.
M4: To motivate students to apply knowledge to resolve societal and environmental challenges and engage in continuous learning towards sustainable development.

EXPERT LECTURES DELIVERED

Workshop on Flutter - Android Application Development

A 4 days workshop on Android Application Development by Flutter was conducted from 21st March 2023 - 25th March 2023 for 3rd year students

Android Application Development by Flutter Workshop

IOT Workshop

Workshop on IoT

An engaging workshop on IOT Robotics was organised for 3rd year students led by Mr.Pradeep from Platforuma empowering students with practical skills and knowledge.

Workshop on Design Thinking

Mr.Uday Gharpure, an esteemed expert in design thinking, spearheaded an inspiring workshop for second year students, igniting their creativity and problem-solving skills.

Design Thinking Workshop

GUEST VISIT

Ms. Priyanka Bamne, Dr. Vandan Tiwari, Dr. DA Mehta, Dr. Urjita Thakar along with Dr. Deepak B.Phatak

Dr. Deepak B. Phatak is an Indian computer scientist and academic, and a recipient of the Padma Shri Award for his contribution in science and technology in 2013. He is known for his notable work for upgrading Aakash, advertised by its manufacturer as the 'world's cheapest tablet'.

EXCELLENCE IN FIP PROGRAMME

Ms. Neha Mehra, Assistant professor at Computer Engineering department, was accorded with a prodigious grade A+ during her participation in 7th Faculty Induction Programme(FIP) (Guru Dakshata) conducted by UGC-Human Resource Development Centre Devi Ahilya Vishwavidyalaya, Indore (M.P).

Ms. Neha Mehra

INVITATION TO DEVELOP CONTENT OF ENGINEERING COURSES

Ms. Priyanka Bamne was invited by RGPV to develop video content specifically for the subject of Computer Organization & Architecture in Hindi. The development of this subject was scheduled to start from 30-11-2022. Ms. Priyanka Bamne created a playlist consisting of 113 videos for the Computer Organization & Architecture course.

Ms. Priyanka Bamne

EVENTS

VELLAM: NAVIGATING WAVES OF KNOWLEDGE

Dive into the intellectual depths of AAYAAM 2023, our college's annual fest, as it proudly presents "Vellam," a two-day paper presentation event scheduled for March 16th to 17th. This academic extravaganza invited scholars and enthusiasts alike to explore and discuss cutting-edge research and innovative ideas across various disciplines.

Vellam Event

RESEARCH SUMMIT FOR WOMEN

Celebrating Women's Day, this event aimed to raise awareness about NEP 2020 and cultivate a research-centric ethos, especially among female faculty, PG, and Ph.D. candidates. Featuring esteemed speakers like Dr. Vandan Tewari, Dr. Urjita Thakar, and Dr. Anuradha Purohit, the summit ignited a passion for research, fostering a platform for empowerment and academic excellence.

Dr. Anuradha Purohit

Research Summit for Women Program

Dr. Vandan Tiwari

Dr. Urjita Thakar

FAREWELL' 23

"Goodbyes make you think. They seem forever. Farewell is like the end, but in our hearts are the memories and there you all will always be." There is a lot of opportunities, growth and charm out there, but here exists a sense of togetherness and the moments you've spent here. Computer department graduates nearly 90+ students with the best wishes.

Department Faculty members along with 2023 Batch Students

COMPUTER CLUB

The Computer Club at our college stands as the official club for the computer department, hosting major events that have become synonymous with technological process and innovation. With flagship gatherings such as Heuristics, Hack it Out, Codiction, and the mysterious Chamber of Secrets, our club offers a dynamic platform for students to showcase their skills and unravel the secrets of the digital realm. The club's significance is underscored by the remarkable participation of over 200,000 students, a testament to its widespread influence and the enthusiasm it sparks within the academic community. Through these events, the Computer Club not only fosters a vibrant culture of learning but also cultivates a sense of amicability among tech enthusiasts, making it a cornerstone in our college's academic landscape.

Secretary - Anushka Gamad(III year), Head of Internal Affairs - Srishti Shukla(III year), Head of External Affairs - Niket Pathak(III year), Head of Events - Sanyam Agrawal(III year), Head of Designing - Arpit Jain(III year) along with Mentor Ms.Priyanka Bamne and coordinators.

ACADEMIC EXCELLENCE

Celebrating Academic Excellence: We proudly announce outstanding results in the MPPSE, GATE and CAT exam, showcasing our commitment to academic excellence. Congratulations to our brilliant students who have demonstrated exceptional knowledge and dedication. Your achievements inspire us all. Keep shining as bright ambassadors of learning!

PRIYANSHU MITTAL
99.18 % ILE
CAT 2022

PRIYANSHU SHARMA
AIR 139
GATE CS 2023

HEMANT SAWLE
COOPERATIVE EXECUTION
DIRECTOR
YEAR : 2020

PUSHPENDRA
ASSISTANT DIRECTOR
(SCHOOL OF EDUCATION
DEPARTEMENT)
YEAR : 2019

OUR EXPERT FACULTIES

We're excited to highlight Ms. Jaishri Gupta, a successful graduate of our college, in this edition. Ms. Gupta has been a key part of our academic community, especially in teaching discrete structures. With her enthusiasm and dedication, she has shared important knowledge with our second-year students, helping them grasp the complexities of this subject.

Ms. Jaishri Gupta

YOUVAH, FOUNDED BY SGSITS ALUMNI, SECURES 1.75 CRORE FUNDING FOR INDORE'S PREMIER INTERNSHIP PLATFORM

We're delighted to announce that Raghav Parsai, an alumnus of our esteemed department, has secured a whopping 1.75 crore funding in a pre-seed round for his startup, Youvah, Indore's premier internship platform. The funding, sourced from the IIM Ahmedabad Centre of Innovation, Incubation, and Entrepreneurship (CIIE) and the co-founder of American Chase, marks a significant milestone for the startup and showcases Raghav's entrepreneurial prowess.

SPORTS ACHIEVEMENTS

This year, our students triumphed in esports tournaments and excelled in traditional sports, showcasing the perfect balance of brains and brawn. Celebrate their achievements as we redefine success, proving that excellence knows no bounds in our tech-savvy sporting community.

Chess Inter College Tournament

Inter Branch Badminton Tournament Winners

Inter Branch Volleyball Tournament Runner-up

Inter Branch Volleyball Tournament Girls Winner

Chess Inter College Tournament

Anushtha Singh Kushwaha Best Female Athlete trophy at the Indore Nodals

CS Cricket Team

NPTEL

NPTEL (National Program on Technology Enhanced Learning) aims to provide high-quality education in various disciplines

- Everyone of 3rd year students has completed NPTEL online certification course on NLP and Cloud Computing.
- Vinayak badole(II year) , Shashank Pardeshi(II year) and Parth Gupta(II year) has completed NPTEL online certification course on DataBase Management System.
- Everyone of 4th year students has completed NPTEL online certification course on Soft Computing and Data Mining.

ACTIVE PARTICIPATION

- Raina Jain(IV year) headed the dynamic dance team at Kshitij Club.
- Aniket Bandi's electrifying Hip Hop Performance Lights Up SGSITS 70th Foundation Day.
- Swapnil Joshi(I Year) emerged as an active performer in IIT Indore's Fluxus 2023: Online Short Film competition as a team lead and also in solo singing in the event. He also participated as a film director and editor at IIM Indore's Atharvbhoomi 2023.
- Ayushi Shrivastava(I year), Deval Jain(I year), Tanya Agrawal(I year) gave a captivating performance at Navrang, event organized by Club Kshitij.
- Shreya Jain(II year) secured an overwhelming first place in Mehfil-e-Srijan (Hasya Kavya or Mushaira) held at Fluxus, IIT Indore.

Aniket Bandi Performance

Raina Jain

Navrang Performance

Shreya Jain at Fluxus, IIT Indore

Satyam Singh

EXTRA CURRICULAR ACTIVITIES

- Shaily Bhaiya co-founded Art of Charity- non-profit social start-up where they connect artists from different places across the country and use their arts and skills for the betterment of the society.
- Satyam Singh is serving as a Lance Corporal in the National Cadet Corps (NCC).
- Gurdeep Singh is serving as Senior Cadet in the National Cadet Corps(NCC).

RESEARCH PAPERS

List of International Conference Research Papers

S. no.	Name of Author	Title of Paper	Name of Conference	Venue	Date	ISSN/ISBN number
1	Surendra Gupta, Urjita Thakar and Sanjiv Tokekar	Canonical correlation analysis with Bhattacharya similarity distance for multiview data representation	10th International Conference on Soft Computing for Problem Solving (SocProS 2020), IIT Indore	IIT Indore	20 Dec 2021	
2	Rajat Mahajan, Anuradha Purohit	Text Summarization for Information of Famous Indian Historical Monuments	10th International Conference on Soft Computing for Problem Solving (SocProS 2020), IIT Indore	IIT Indore	20 Dec 2021	
3	Yamini Barge, Lalit Purohit, and Soma Saha	A Skyline Based Technique for Web Service Selection	Proceedings of the Fourth International Conference on Smart Computing and Informatics, Volume 2, Spinger, Smart Computing Techniques and Applications	Vasavi College of Engineering, Hydrabad, India, 9-10 October 2020	2021	ISBN 978-981-16-1502-3
4	Dr.Urjita Thakar, Dr. Sonika Shrivastava	Ensemble Learning based Credit Card Fraud Detection System	Conference on Information and Communication Technology- 2021 (CICT- 2021)	IIITDM Kurnool	10-12 Dec 2021	10.1109 /CICT53865. 2020.9672426
5	Priyanka Kokate	Optimization of resource allocation using Quantum Genetics Algorithm for cloud data	5th International Conference on I-SMAC 2021	SCAD Institute of Technology in Palladam, India	11-13 Nov 2021	2768-0673
6	Lilesh Gawande, Surendra Gupta, Rajesh Dhakad	A Survey to enhance Learning Management Systems to increase productivity of the students and their performance	International Conference on Innovations in Engineering and Technology (ICIET -2022), Jawaharlal Nehru Technological University, Hyderabad	Jawaharlal Nehru Technological University, Hyderabad	Sep 2022	
7	Surendra Gupta, Neha Shrivastav	Analysis on Item-Based and User-Based Collaborative Filtering for Movie Recommendation System	5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT)	Held in Virtual mode	10-11 Dec 2021	
8	Aadeesh Jain, Aditya Sharma, Kanishk Gupta, Ketan Likhi, Neha Mehra, Sonika Shrivastava, Divyansh Joshi	Image Forgery Detection using CNN	SCRS Conference Proceedings on Intelligent Systems, 293–304. Computing & Intelligent Systems, SCRS, India.	Held in Virtual mode	25 Apr 2022	978-93-91842-08-6
	Apeksha Jain and D A Mehta	Underwater Image Enhancement Using Neural Style Transfer	International Conference on Innovative Research in Engineering and Technology (ICIRET-2021)	Held in Virtual mode	29-30 Sep 2021	ISBN 978-93-92105-07-4

List of National Conference Research Papers

S. no.	Name of Author	Title of Paper	Name of Conference	Venue	Date	ISSN/ISBN number
1	Shweta Chauhan and D.A. Mehta	Attendance Application and Moodle Plugin Development	Conference on Intelligent Computing and Communication Networks (CICCN 2021)	Anna University, Tiruchirappalli	Aug 2021	

RESEARCH PAPERS

List of International Journal Research Papers

S. no.	Name of Author	Title of Paper	Name of Journal	Volume & Issue	Pages	Date
1	Vandan Tewari, Nikita Kumble	Cure Clustering Algorithm and Its Various Implementations (149-153)	Internatioanal Journal for Innovative Research in Multidisciplinary Field	Volume - 6, Issue - 4	5	20 Jul 2021
2	Vandan Tewari, Gunjan Rathore	A Review of Skin Disease Classification Techniques based on Machine Learning	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 8	1097-1101	1 Aug 2021
3	Garvit Jain, Urjita Thakar, Vandan Tewari, Sudarshan Varma	A Survey on Trending Topics of Microservices	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 8	1097-1101	1 Aug 2021
4	Vandan Tewari, Preeti Khare, Mihir Bhawsar	A Survey of Weather Forecasting based on Machine Learning andDeep Learning Techniques	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 7	5	08 Jul 2021
5	Surendra Gupta, Neeharika Dixit	Influence Analysis of Image Feature Selection Techniques Over Deep Learning Model	International Research Journal of Engineering and Technology	Volume - 9, Issue - 6	8	22 Jun 2022
6	D A Mehta, Dr Priyesh Kanungo	Capability Aware Dynamic Load Balancer for Asymmetric NUMA Multicore Processors	International Journal of Computer Applications	Volume - 183, Issue - 1	20 - 28	01 Jul 2021
7	D A Mehta, Dr Priyesh Kanungo	Conservative Dynamic Load Balancer for performance enhancement of NUMA multiprocessor systems	SSRG-International Journal of Engineering Trends and Technology (IJETT)	Volume - 70, Issue - 3	54-65	01 Mar 2022
8	Neha Shrivastava, Surendra Gupta	A Survey on Different Recommendation Techniques	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 11	25 Apr 2022	07 Nov 2021
9	Priyanka Bamne	A brief survey of text mining and its applications	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 8		Aug 2021
10	Neha Mehra	A Novel Kernelized Fuzzy Clustering Algorithm for Data Classification	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 8		Aug 2021
11	Neha Dhakad, Dr. P.K. Chande, Neha Mehra	A Study of Machine Learning Techniques for Diabetes Prediction	International Journal of Emerging Trends in Engineering Research	Volume - 10, Issue - 2		Feb 2022
12	Agrima Jain, Neha Mehra, Preeti Khare	A Survey on Pneumonia Detection Methods Using Computer-aided Diagnosis	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 7		Jul 2021
13	Abhisar Sharma, Anuradha Purohit	Abhisar Sharma, Anuradha Purohit	International Journal of Emerging Trends in Engineering Research	Volume - 9, Issue - 10	1341-1347	Oct 2021
14	PVS Anil Kumar, Anuradha Purohit	A Survey of Traditional and Customized Bus Transportation Planning Methodologies	International Journal of Emerging Trends in Engineering Research	Volume - 10, Issue - 1	15-19	Jan 2022

PLACEMENTS

For final year students , the start of this academic year brings new hope and opened new avenues of success. The department wish luck and success to all our students. This year we have a very good placement score and almost every student has been placed.

Salesforce

Priyanka Jain
44 LPA

Goldmann Sachs

Anchit Gangrade
24 LPA

Groww

Shaily Bhaiya
20 LPA

Deutsche Bank

Ivan Ganatra
19.6 LPA

Utkarsh Karaiya
19.6 LPA

Kartik Patidar
19.6 LPA

Bhavesh Lokre
19.6 LPA

Avni Chourasia
19.6 LPA

Oracle

Raj Goyanka
18 LPA

Bashu Tiwari
18 LPA

Raina Jain
18 LPA

Manas Taunk
18 LPA

Ayush Mangore
18 LPA

PLACEMENTS

American Express

Ishita Jain
17 LPA

Ittiam Systems

Harsh Parwal
16 LPA

Optum

Nivesh Sharma
14.5 LPA

Anant Singhal
14.5 LPA

Sayan Chandra
14.5 LPA

Meenal Chourasiya
14.5 LPA

Vibhore Jain
14.5 LPA

Hitesh Jagwani
14.5 LPA

Samruddhi Badlani
14.5 LPA

Anushka Pathak
14.5 LPA

Mitul Garg
14.5 LPA

Sony Gadhre
14.5 LPA

Ayush Jain
14.5 LPA

Priyanshu Mittal
14.5 LPA

Editors: **Divyanshi Sharma** (III year), **Arjun Maheshwari** (III year), **Suman Debnath** (III year)