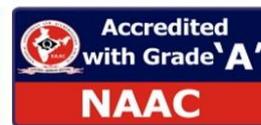


**GSSS**GEETHA SHISHU
SHIKSHANA SANGHA(R)**INSTITUTE OF ENGINEERING
AND TECHNOLOGY FOR WOMEN***(Affiliated to Visvesvaraya Technological University, Belagavi. Approved by AICTE New Delhi & Govt. of Karnataka)***KRS ROAD, METAGALLI | MYSURU - 570 016 | KARNATAKA | INDIA**

PAN-No. : AAATG6551G

GST-No. : 29AAATG6551G1ZL

Phone : 0821 - 2581304,4257304 / 2977306 **Fax :** 0821 - 2581305 **Email :** gssseengg@gmail.com, principal@gsss.edu.in **Web :** www.geethashishu.in

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

NEWS LETTER 2024-2025 (EVEN SEMESTER)

INFONITE

ABOUT THE DEPARTMENT:

The Department of Information Science and Engineering became a part of this esteemed organization in the year 2003 with intake of 60 students. It is recognized by AICTE, New Delhi, India and affiliated to VTU, Belagavi, Karnataka. The course has become popular among students due to the achievements and rigor. The department has smart classrooms with projectors and computer laboratories with high-end systems supporting Wi-Fi facility.

The Department has 08 professionally qualified faculties out of which three faculty with doctorate degree and 2 faculties are pursuing Ph.D. The teaching faculties and technical staff members are committed to continuously improve the quality of education by enhancing the knowledge of students and also involved in R&D activities with successfully bagging funded projects worth Rs 14, 60,700/- from various government and funding agencies. Visvesvaraya Technological University, Belagavi, has granted the RESEARCH CENTRE (Ref wide: VTU/Aca-LIC//2019- 20/SO/3181/56 Dated 6th Aug 2019) to promote R &D activities for both staff & students at the Department.

VISION:

To be recognized nationally as an accomplished department producing global leaders and researchers as committed, enthusiastic and excellent ethical women technical graduate for the better tomorrow.

MISSION:

M1: To provide Students with Innovative and research skills, which is need of the hour for technical students.

M2: To impart knowledge to the students of Information Science and Engineering with relevant core and practical knowledge inculcating real time experience in the promising field of computing.

M3: To prepare the graduates to meet information technology challenges with a blend of social, human, ethical and value based education.

PLACEMENT DETAILS 2024-2025

Total Strength: 67

Total Eligible Students: 60

Total Students Placed: 36

Highest Package = 18.7 Lakhs per Annum

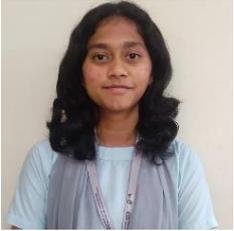
Avg Package = 7.80 Lakhs per Annum

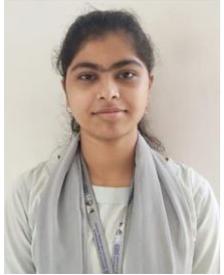
Sl.No	Student Name	USN	Name of the Company Placed	CTC	Photos
1.	Nagaranjini Singh R J	4GW21IS026	Lowe's India	18.7 LPA	
2.	Bharani B	4GW21IS009	Lululemon	14 Lakhs	
3.	Indushree K N	4GW21IS019	Thoughtworks	11.1 LPA	
4.	Anagha M Purohit	4GW21IS002	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their	

				performance during internship, If converted to full time the salary package will be 11 LPA)	
5.	Anvitha B H	4GW21IS005	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	
6.	Divya Shree S	4GW21IS017	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	
7.	Monisha S	4GW21IS025	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	

8.	Nishchala P	4GW21IS029	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	
9.	Rachana S	4GW21IS038	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	
10.	Varshini GC	4GW21IS056	Eli Lilly	Intern with a Stipend of Rs. 30k/Month (Based on their performance during internship, If converted to full time the salary package will be 11 LPA)	
11.	Chinmayi S Vaidya	4GW21IS012	Publicis Sapient	8.47LPA	

12.	Anusha H K	4GW21IS004	Rockwell Automation	8 LPA	
13.	Sanjana C R	4GW21IS044	Dover India	7.5 LPA	
14.	Kruthika U Vittal	4GW21IS021	Alstom	6.8 LPA	
15.	Srushti Nagesh	4GW21IS048	Kyndryl	5.9 LPA	
16.	Vachana V S	4GW21IS055	Kyndryl	5.9 LPA	
17.	Shalini N	4GW21IS045	Capgemini	5.75 LPA	
18.	Aruna B N	4GW21IS007	Knowledge Lens	Intern with a Stipend of Rs. 15K/Month (Basis to performance after conversion to	

				FT, the salary package will be 5.5 LPA)	
19.	Umme Hani	4GW21IS053	Knowledge Lens	Intern with a Stipend of Rs. 15K/Month (Basis to performance after conversion to FT, the salary package will be 5.5 LPA)	
20.	Anu Priya	4GW21IS003	Mindsprint Digital	5.2 LPA	
21.	Lavanya S	4GW21IS022	Mindsprint Digital	5.2 LPA	
22.	Yashaswini R	4GW21IS059	IBM	4.75 LPA	
23.	Sandhya H Salunke	4GW21IS042	IBM	4.75 LPA	

24.	Ruchitha K K	4GW21IS040	Capgemini	4.25 LPA	
25.	Suchitha G	4GW21IS049	Capgemini	4.25 LPA	
26.	Devika L	4GW21IS015	Capgemini	4.25 LPA	
27.	Deekshita	4GW21IS013	Capgemini	4.25 LPA	
28.	Priyanka Y M	4GW21IS036	Capgemini	4.25 LPA	
29.	Anvitha M	4GW21IS006	Cognizant	4 LPA	
30.	Harshitha C S	4GW21IS018	L&T Technology Services	4 LPA	
31.	Chinmayi D	4GW21IS011	L&T Technology Services	4 LPA	

32.	Spoorthi R	4GW21IS046	L&T Technology Services	4 LPA	
33.	Renuka R	4GW21IS039	CGI	3.92 LPA	
34.	Bhumika H N	4GW21IS010	Infosys	3.6 LPA	
35.	Yashaswini D A	4GW21IS058	Infosys	3.6 LPA	
36.	Srinidhi .K.M.	4GW21IS047	Tech Mahindra	3.25 LPA	

ISE TOPPERS LIST EVEN 2025**Semester IV**

FIRST	SECOND	THIRD	THIRD
			
THEJASHREE B 4GW23IS058 91.11%	SOUKHYA H M 4GW23IS050 90.56%	DHANYA R BHAT 4GW23IS009 90.22%	S SANJANA B C 4GW23IS042 90.22%

Semester VI

FIRST	SECOND	THIRD
		
AMITHA K N 4GW22IS002 91.75%	POORNIMA M 4GW22IS040 90.88%	CHATHURYA R 4GW22IS015 90.38%

Semester VIII

FIRST	SECOND	THIRD
		
BHARANI B 4GW21IS009 99%	ANVITHA B H 4GW21IS005 98.67%	ANUSHA H K 4GW21IS004 98%

DEPARTMENT ACHIEVEMENTS

Linux FOSS – Student Club Activities

The Department of Information Science & Engineering has initiated the Linux (FOSS -Free and Open-Source Software) Club for the students peer group learning activities. This club will be more focused on Free and Open-Source Software (FOSS) model, it provides on interesting tools and processes to exchange share and exploit software and knowledge efficiently and effectively. This club will be more focused on peer group learning through usage of open source platform, Awareness workshop of tools and its integrated emerging technologies, conduction of event like Ideation / Hackathon competition, Project Expo etc.



A virtual tech session on “**Safety and Reliability Engineering in Product Design**” for IV Semester students on 27th July by Ms. Deepa Natarajamani, Sr. Safety Reliability Engineer, Amazon Labs, Sunnyvale, California, USA.

TECHNICAL EVENTS CONDUCTED UNDER TECHNICAL

FORUM-CODE IGNITER – 2025

Department of Information Science & Engineering of GSSSIETW, Mysuru had organized 8th National level Coding Competition “**CODE IGNITER – 2025**” on **8th April 2025** in Seminar Hall of GSSSIETW, Mysuru from **10.00 AM**.

The event was inaugurated by the Chief Guest, **Smt. Shishira N. Kashyap**, Software Professional at Light & Wonder, a prominent gaming company based in Bengaluru, India, in the presence of Dr. **M Shivakumar**, Principal, GSSSIETW, Mysuru and **Dr. Gururaj K S**, Prof & Head, Dept. of ISE & Convener, Code Igniter-2025 followed by lighting the

lamp and offering flowers to Visionary and Founder Secretary Late **Prof. B.S. Pandit** and Honorary Secretary, **Late Smt. Vanaja B Pandit**.



Dr. M Shivakumar, Principal, GSSSIETW, Mysuru, **Smt Padmaja K**, Asst. Professor, Dept. of ISE and coordinator, Code Igniter-2025, **Smt. Shishira N. Kashyap**, Chief Guest of , Code Igniter-2025 **Dr. Gururaj K S**, Prof & Head, Dept. of Information Science and Engineering & Convener, Code Igniter-2025.

Dr. Gururaj K S, Prof.& Head, Dept. of ISE & Convener, Code Igniter-2025, gave an overview of “Code Igniter 2025” and highlighted that such competitions has been crafted with a vital mission to explore the various opportunities and challenges that exist within the realms of technology and Engineering. The event was coordinated by **Smt. Padmaja K**, Asst. Professor, Dept. of ISE, and **Sri. Girish S C**, Asst. Professor, Dept. of ISE.



BYTEBURST – A quiz competition for 2nd Semester Students from FOSS CLUB on 8th May 2025.



One day Financial Awareness and Empowerment Conclave for 4th and 6th semester students on 25th February 2025.



Three days workshop on "DevOps" for 6th Semester students from 12th to 14th March 2025.



Two days workshop on "Fullstack Development" for 4th Semester students from 20th to 21st March 2025.



Technical Talk on 'Introduction to NoSQL with MongoDB' for 4th semester students on 12th May 2025.

INDUSTRIAL VISIT



Industrial visit to System Consultant Information India Innovation With Intelligence (P) Ltd, Tumkur, for IV semester students on 24th February 2025

PARENTS - TEACHERS MEETING



The department has organized **Parents-Teachers Meeting** (Even Semester) for the 4th, 6th, semester students of ISE was scheduled on **May 16, 2025**.

STUDENTS ACHIEVEMENTS

MOOC Course Completed	135
Webinar / Seminar Attended / Hackathons/Project Competition Participations	61
Internship	9

MOOC Course Completed

Sl. No	Semester	Title of MooC course completed	No.of Students attended	Total No.of Students
1	4th	Introduction to Artificial Intelligence	24	69
		Intro Introduction to Cloud Computing	22	
		Database Application Development Training	12	
		Database Management Systems (RDBMS) & Microsoft Fabric SQL	3	
		Database Management Systems (DBMS) & SQL: Complete Pack	8	
2	6th	Full stack development	21	66
		Machine Learning	23	
		Cloud Computing	22	

Webinar / Seminar Attended / Hackathons/Project Competition Participations

Sl.No	DATE	EVENT	NAMES OF STUDENTS
IV SEMESTER			
1	11 th Apr 2025	MRIOTHON at Mysuru Royal Institute of Technology, Mandya.	MEGHANA D C
2			DEEPIKA H D
3			P VARSHINI
4			ASHITHA C
5			BASAMANNI H B
6			PARINITHA S
7			JAYALAKSHMI S P
8			JOSHITHA R
9			LIKHITHA G A
10			POOJASHREE S
11	4 th Apr 2025	INNOVVIET- 2025 Hackathon held at Vidya Vikas Institute of Engineering and technology, Mysuru	SRISHTI KUMARI
12			PATIL RAJDEEPTI DHANANJAY
13			MISBAH MEHMOOD
14			SPOORTHY T P
15			YASHASWINI P
16			SANGEETHA MC
17			PRIYANKA SK
18			YOSHITHA M
19			BHAVYASHREE R K
20			FOUZIYA SAFURA
21			SRINIDHI S
22			SINCHANA HM
23			VASUDHA P
24	11 th Mar 2025		RAJATHA M P
25			DEEPIKA H D

26		“DECODE THE TRUTH” Technical event organized by cyber security club, Dept.of CSE, GSSSIETW, Mysuru.	PATIL RAJDEEPTI DHANANJAY
27			SRISHTI KUMARI
28			BASAMANNI H B
29	8 th Apr 2025	8 th National Level Coding Competition “CODE IGNITER 2025” at GSSSIETW, Mysuru.	SARAH MARIAM MATHEW
30	15 th & 16 th Feb 2025	Infothon 4.0: A national level Hackathon at VVCE	SARAH MARIAM MATHEW
31	27 th Mar 2025	Given a seminar on gen AI And vertex AI which was an initiative of the GDG-GSSSIETW	SARAH MARIAM MATHEW
VI SEMESTER			
32	8 th Apr 2025	8 th National Level Coding Competition “CODE IGNITER 2025” at GSSSIETW, Mysuru.	PREETHI B
33			SHREYA N
34			BHAVYA M K
35			DEEPU Y B
36			G SRAVANI REDDY
37			AISHWARYA K M
38			CHINTANA G
39			LAHARI C N
40			AMRUTHA S
41			POORNIMA M
42			ANNAPOORNA S J
43			PRIYA H S
44			SHREYA N
45	7 th & 8 th Feb 2025	Participated and secured winner position in AWS GENERATIVE AI IDEATHON at GSSSIETW, Mysuru.	JAMUNA N
46	8 th & 9 th Mar 2025	Hackfinity ,A 24-hour national - level, all-girls hackathon at PES , Bangalore.	ANNAPOORNA SJ
47			MAMATHA P
48			PRIYA H S
49	11 th Mar 2025	“DECODE THE TRUTH” Technical event organized by cyber security club, Dept.of CSE, GSSSIETW, Mysuru.	SINCHANA V
50	3 rd Apr 2025	“Escape Room Challenge” Organized by C.O.D.E Students club at GSSSIETW, Mysuru.	RIANNA THANGAMMA I G
51			ANKITHA Y H
52			CHATHURYA R
53			MONIKA S M
54	5 th Apr 2025	Hackathon: The Second Mind; Organized in association with Bosch Global Software Technologies.	DEEPTHI R
55			LAKSHMI H J
56			PRATHIKSHA DAMODAR A
57			SMRITHI R SHARMA
58			SINCHANA V
59	7 th – 8 th Feb 2025	AWS Generative AI IDEATHON at GSSSIETW, Mysuru	HAMSA SURESH
60	13 th May 2025	Tech-Quest IDEATHON at GSSSIETW, Mysuru	ANNAPOORNA S J
61	14 th -15 th Jun 2025	MotoGP DATATHON at Manipal University, Jaipur	ANNAPOORNA S J

INTERNSHIP

Sl.No	USN	Name	Semester	Date	Participation Details
1	4GW22IS028	Lakshmi HJ	VI	May 19th to July 18th	DELL
2	4GW22IS041	Prathiksha Damodar A	VI	May 19th to July 18th	DELL
3	4GW22IS043	Prathiksha R	VI	May 19th to July 18th	DELL
4	4GW22IS048	Rianna Thangamma I G	VI	May 19th to July 18th	DELL
5	4GW22IS059	Sowjanya Jagadish	VI	May 19th to July 18th	DELL
6	4GW22IS062	Yashaswini S	VI	May 19th to July 18th	DELL
7	4GW22IS019	Deepthi R	VI	May 6th to June 30th	DEUTSCHE INDIA
8	4GW22IS058	Smrithi R Sharma	VI	May 6th to June 30th	DEUTSCHE INDIA
9	4GW22IS057	Sinchana V	VI	May 19th to July 11th	ACCENTURE

FUNDED PROJECTS DETAILS**KSCST - 48th Series Student Project Presentation - Student Project Proposals approved for sponsorship**

Sl. No.	Sponsoring Agent	Title	Grant	Proposed by	Guide
1.	KSCST	TRAFFIC PREDICTION AND CONTROLLING SYSTEM USING MACHINE LEARNING	Rs. 4,000/-	SANDHYA H SALUNKE ANUSHA HK DEVIKA L PRIYADARSHINI B	Dr. GURURAJ KS
2.	KSCST	REVOLUTIONIZING MEDICAL REPOSITORY SECURITY THROUGH CUSTOM BLOCKCHAIN SOLUTION	Rs. 3,500/-	ANVITHA M ANAGHA M PUROHIT SRINIDHI K M BANUSHREE H S	Dr. ANAND M

One Project from the department is selected for State Level Poster Presentation and Exhibition under 48th series of Student Project Programme by KSCST:

Sl. No.	Project Title	Name of the Guide	Name of the Students
1.	TRAFFIC PREDICTION AND CONTROLLING SYSTEM USING MACHINE LEARNING	Dr. GURURAJ KS	SANDHYA H SALUNKE ANUSHA HK DEVIKA L PRIYADARSHINI B

FACULTY ACHIEVEMENTS



Dr. Anand M

Associate Professor, Dept.of ISE

Awarded Ph.D. in Computer Science and Engineering
From REVA University, Bengaluru April - 2025



Dr. Chaya P

Associate Professor, Dept.of ISE

Awarded Ph.D. in Computer & Information Science
From VTU Belagavi, June - 2025

Faculty Publication in Scopus/WOS, UGC/others

Sl. No.	Particulars	Count
1	Publications -SCOPUS/UGC	04
2	Workshops/FDPs	14
3	Webinar/Skill program	05

Faculty Publication in Scopus/WOS, UGC/others ODD -2024

Sl. NO	Name of the Staff	Paper Title	Journals/Books /Conference Name	DOI & Link	Date/Status	Scopus/UGC Approved Journal	Impact Factor/ Cite score
1	Dr. Chaya P	AI Infused Secure Biometric Authentication For Remote Patient Monitoring Systems”	2025 IEEE Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering	-	7 th & 8 th May 2025	IEEE Scopus Indexed	-
		An Energy-Efficient and secure Routing Protocol for Wireless Sensor Networks Using Zebra optimization	7 th International Conference on Inventive Material Science and Applications (ICMA-2025) at Muthayammal Engineering College,Namakkal,Tamil Nadu, India	-	28-30 th May 2025.	IEEE Scopus Indexed	-
		Secure Data Transmission towards Mitigating Potentially Unknown Threats in Wireless Sensor Network	Indonesian Journal of Electrical Engineering and Computer Science (IJECS)	DOI: 10.11591/ijeecs.v39.i1	Published 1 st July 2025.	Q3 Scopus Indexed	1.94
2	Padmaja K	Enhancing early Detection of Alzheimer’s Disease Through Integrated Deep Learning Models: A Multimodal Diagnostic Approach	Fifth Congress on Intelligent Systems, Lecture Notes in Networks & Systems	https://link.springer.com/chapter/10.1007/978-981-96-2703-5_1	23 rd May 2025	Scopus Indexed	-

List of Faculty Interaction with Outside World – EVEN-2025

Sl. No	Faculty	Event	Event Details	Date
1	Dr. Gururaj K S	FDP	Faculty Development Program on “.Net Full Stack” conducted by WIPRO TalentNext at Hyderabad.	17 th March to 28 th March 2025.
2	Dr. Anand M	FDP	5 Day Faculty Development Program on “Salesforce Administrator” organized by ICT Academy in association with Salesforce.	20 th Jan to 24 th Jan 2025.
		FDP	5 Day Faculty Development Program on “ Gen-AI &Chat GPT Application in the Industry” organized by Chaitanya Bharathi Institute of Technology, Hyderabad in association with ExcelR Edtech Pvt Ltd.	27 th Jan to 31 st Jan 2025.
		Webinar	Webinar on Scientific Writing & Publishing by Springer Nature in Association with VTU Belagavi.	19 th Feb 2025.
		FDP	Faculty Development Program on “Java Full Stack” conducted by WIPRO TalentNext, Chennai	21 st April to 9 th May 2025.
		CTY Program	Participated in HPE conducted CTY Program as a Mentor for the Academic Year 2024-25.	Jan 2025.
3	Dr. Chaya P	FDP	5 Day Faculty Development Program on “Salesforce Administrator” organized by ICT Academy in association with Salesforce.	20 th Jan to 24 th Jan 2025.
		FDP	5 Day Faculty Development Program on “ Gen-AI &Chat GPT Application in the Industry” organized by Chaitanya Bharathi Institute of Technology, Hyderabad in association with ExcelR Edtech Pvt Ltd.	27 th Jan to 31 st Jan 2025.
		Webinar	Webinar on Scientific Writing & Publishing by Springer Nature in Association with VTU Belagavi.	19 th Feb 2025.
4	Padmaja K	FDP	“Certification in Professional Ethics at Workplace (CPEW)” organized by ISAC in association with AICTE under NEAT 2.0 Ministry of Education, Government of India.	3 rd Feb to 7 th Feb 2025
5	Girish S C	FDP	5 Day Faculty Development Program on “Salesforce Administrator” organized by	20 th Jan to 24 th Jan 2025.

			ICT Academy in association with Salesforce.	
		FDP	Faculty Development Program on “Java Full Stack” conducted by WIPRO TalentNext, Chennai	17 th March to 28 th March 2025
6	Anitha Rao	FDP	5 Day Faculty Development Program on “Innovation & Entrepreneurship Skills for HEI Faculty” organized by GSSS Technology Business Incubator Foundation, Mysuru in collaboration with Wadhvani Foundation.	27 th Jan to 31 st Jan 2025
		FDP	Participating in the training program on Data Science with Python conducted by TalentNext by WIPRO	02 nd June to 20 th June 2025
7	Manasa H R	FDP	Six Days Faculty Development Program on “Cyber Security using AI” organized by IIT Kanpur in association with E & ICT Academy.	10 th Feb to 15 th Feb 2025.
		FDP	Six Days Faculty Development Program on “Cyber Security using AI” organized by IIT Kanpur in association with E & ICT Academy.	17 th Feb to 22 nd Feb 2025.
		Webinar	Webinar on Scientific Writing & Publishing by Springer Nature in Association with VTU Belagavi.	19 th Feb 2025.
		Skill up Program	Certificate of Completion on “Introduction to DevOps Tools” from Simplelearn.	22 nd Feb 2025.
		FDP	5 Day Faculty Development Program on “Convergence of AI,IoT and Cybersecurity in Industry 4.0” organized by Department of CSE- Cybersecurity, School of CSE, JAIN University, Bengaluru.	17 th March to 21 st March 2025.

RESEARCH CENTRE ACHIEVEMENTS

No.of Research Guides - 02

No.of Research Scholars awarded Ph.D. - 02

No.of Research Scholars Pursuing Ph.D. – 02 (External Scholars)

Funds Allocated: 5 Lakhs

Research Scholars Pursuing Ph.D under ISE Research centre

Sl. No.	Name of the Research Guide	Name of the Research Student	Status	Year of Registration
1	Dr. Gururaj K S Professor and Head, Dept. of ISE	Ms. Rakshitha B H	Provisionally Registered	2024
2		Mrs. Swetha B S	Course Work Completed	2024
3	Dr. Manjuprasad B Professor and Head, Dept. of CSE (AI&ML)	Candidates yet to be registered		

The following Research Scholars are pursuing Research under VTU/Other Research centre

Sl. No.	Name of the Research Scholar/ USN	Year of Registration	Status	Name of the Research Guide	Research Centre	University
1	Padmaja K (2170221)	2021	Colloquium completed	Debarka Mukhopadhyay	Kengeri Campus	CHRIST University
2	Girish S C (4NI20PCS01)	2020	Open Seminar -II Completed	Dr. Jayasri B S	NIE, Mysuru	VTU University

Technical Articles by Students

The Tech-Infused Maha Kumbh Mela 2025

The **Maha Kumbh Mela 2025**, held in Prayagraj, is not only a religious festival but also an exemplar of technology's potential to revolutionize the management of mega-events. With an estimated attendance of over 150 million pilgrims, the event requires adopting innovative, strong, and transparent technological solutions to ensure safety, sustainability, and efficiency. The use of cutting-edge technologies, from artificial intelligence to environmental engineering, establishes a new w

Artificial Intelligence (AI) is orld standard for the management of mass events.

at the heart of this revolution. AI-powered facial recognition systems are used to track missing people back to their families in real time, ensuring their reunification. Predictive analytics platforms monitor crowd density and movement patterns, enabling authorities to avert overcrowding and optimize resource deployment.

In addition, multilingual AI chatbots embedded in the Kumbh Mela mobile app provide instant assistance, including directions and emergency contact details, overcoming language barriers and improving the overall experience of the visitor. Over 2,760 high-definition CCTV cameras, equipped with AI analytics, keep the Mela ground under surveillance, identifying suspicious activity such as abandoned luggage or overcrowding. Underwater and aerial drones provide real-time imagery, monitoring crowd density, traffic movement, and aquatic safety.

Traffic management systems and GPS-based monitoring using AI enable the regulation of the movement of vehicles, thus preventing congestion and ensuring efficient passage. RFID tags installed on vehicles enable effective tracking and parking management, while a GPS-based public transport system provides real-time information on buses, trains, and ferries, enabling pilgrims to navigate the event smoothly.

Temporary Sewage treatment plants (STPs) process wastewater before it is released into the Ganga and Yamuna rivers, maintaining the sanctity of the holy water. Solar panels provide power for streetlights and public amenities, keeping the event's carbon footprint at a bare minimum.

Healthcare and emergency response have also become tech-savvy. The Bhisma Cube, a rapid-response mobile medical center, can treat 200 patients at a time, providing instant medical attention. An AI-assisted eye screening program, Netra Kumbh, seeks to screen 500,000 pilgrims, with 300,000 pairs of free spectacles given to the needy.

The Kumbh Mela mobile app, designed by in-house concepts from technology professionals, provides real-time information, maps, and emergency messages, functioning as a one-stop solution for pilgrims. By combining AI, surveillance, environmental engineering, and digital solutions, the organizers are making the congregation efficient, secure, and sustainable. The Maha Kumbh Mela 2025 is not merely a religious congregation, it is a showcase of how technology is seemingly integrated to solve real-life problems. With the world watching, the event sets the standard for global mass event management that is responsible and innovative.

Ms. Rianna Thangamma I G
4GW22IS048

Editorial Team

Dr. Gururaj K S, Professor and Head, Department of ISE

