Srishyla Educational Trust (R), Bheemasamudra

GM INSTITUTE OF TECHNOLOGY

EXOTIC TIMES

Department Of

Information Science and Engineering

Delivering Excellence...

NEWS LETTER

Highlights

Vision & Mission of IS&E Department

To evolve as an Excellent Technological Education Centre of Information Science and Engineering to create competitive professional engineers for the advancement of society.

Vision

Mission

M1: To provide Application Specific Training & Practical Experience for developing Quality engineers in Information Science & Engineering.

M2: To Inculcate Creative Skills in students to become Competent in the field of Information Science & Engineering.

M3: To Inculcate Professional, Social and Ethical values in students to perform better in diverse environment.

PEO1: To develop graduates who are proficient to solve wide range of computing related problems.

PEO2: To prepare graduates who have the necessary skills required for Higher Education & Entrepreneurship.

PEO3: To prepare graduates who have the ability to engage in Lifelong Learning.

PEO

PSO

Graduates of Information Science & Engineering are:

1. Capable to design, develop & test the IT Solutions in real time.

2. Competent to apply knowledge to manage & monitor IT resources.

Program Outcomes (POs)

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 multi disciplinary 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 multi disciplinary 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.

Message from Principal's Desk

Dr. Y. Vijaya Kumar
Principal

We at GM Institute of Technology are committed to build the future for the youth. The Institute is established to nurture, and shape technical professionals and leaders to create an inclusive and sustainable society by inculcating all round skills to the youth. In the world, governed by technology, this institute has put its sincere efforts to keep pace with the rising demands of technology. The Department of Information Science and Engineering has taken birth along with the institution in the academic year 2001-2002 and constantly enriching positive academic ambience, student centric teaching methodologies, dedicated faculty, constant support for cocurricular activities and campus placement activities which equips the students to manage and lead the varied opportunities and Challenges of the society. The Department has three centers to provide skills required for the technical students. The Department Newsletter Exotic Times 2021-22 reflects all the outcome based happenings of the IS&E department of the present Academic Year.

Message from HOD's Desk

Dear Readers,

Greetings from ISE-GMIT….

This New Year 2021-22 has begun with new dreams and thoughts. A freedom fought feel by the COVID-19 environment. All our dreams of last two years are being cherished and brought to action. Before I proceed further, I welcome whole heartedly the new members to my department – Mr.Vishwanath V K, Mrs.Soumya Yattinahalli and Ms.Bhoomika SS, the promising personalities to the department, on behalf of all my teammates. I wish all the very best with a hope that, they add value to the department by their existence.

Dr. Sunil Kumar B. S.
Chief Editor

Many innovative thoughts have been executed to benefit the students. Placement is supported by the special Aptitude training by Mr Sharath, Copper Age. This has given confidence to the Pre-final year students to take the up-coming interview process. The effort in these directions in the last years has brought out a very good result in the Campus placement, about 51 students have been placed and many have bagged multiple offers to their credit. Thanks to Mr.Amith Shekar and Mr.Tejasvi Kattimani.

The most seeking initiative in the department; Sukalpa-Tech fest has been organized and conducted in a grand manner. The program has record enrolment and overwhelmed response from the students of different parts of the state. Sukalpa has set a new standard in the department and at the institute level by its way of conduction and participants flourish the real flavor of technical events in all segments i.e., start from coding, Presentations, Marketing, Design thinking & Entrepreneur skill check.

Industry connectivity is emphasized by conducting much Internship with Sookshmas, Siemens, BPA Labs and APCOG Pvt Ltd. Are conducted and also an International Hackathon was conducted by the BPA Labs has become the most appreciated both by the organizers and Participants. I personally thank all the industries for their support and promising service to my department. Special thanks BPA Labs for their care in building a strong relation by extending their support in many kinds.

Although the department is focusing on the IIC and NPTEL, but at the same time we are continuing our earlier custom of conducting the Workshops and trainings in regular days. The activities of EXOTIC, have been supported students ability enhancement in their Co curricular, Extracurricular activities and also helped in their overall personality development.

It's my pleasure to greet and thank all the editorial committee members for their effort in bringing out this edition successfully.

Mrs. Soumya Yattinahalli
Asst. professor

Ms. Bhoomika S S
Asst. professor

Newsletter is one of the tools to share or explore the innovation and creative ideas of the one who belongs to the department. It aims to provide academic activities, achievements of the students & staff members. I am glad to be a editor of the NEWSLETTER for the academic year 2021-22 Even semester of our Information Science and Engineering Department.

The contribution and dedication of editorial committee, faculty members, technical staff of IS&E is continuously helping the newsletter in stepwise manner for achieving new milestone. The editorial board welcomes the comments and suggestions to improve the quality of Newsletter.

Message From Student Representative

"If window of oppurtunity appears don't pull down the shade"
First and foremost, It is a great pleasure and humility to show gratitude to all my friends for giving me an oppurtunity to serve as vice president of student forum.

I feel fortunate and proud to say that I am Pursuing my professional career in the department that provides lot of oppurtunities and platforms for us to showcase our skills and talents and organizes well planned and needful activities to our skills,abilities and interest in co-curricular activities.I am Happy that many of our activities and outcomes are been collectively reflected in newsletter.

Poornima S P
Member, Editorial Team

with this let us improve ourselves more in coming days with lot of efforts and enthusiasm to move towards excellence. I may fall short of words to express my gratitude for the oppurtunity i have received, so lets join our hands together to learn in the day-to-day of our student life.

Sl. No.	Company Name		MoU Date
1.	Grasim Industries Limited		26th Oct 2017
2.	Manvi Technologies		9th Jan 2018
3.	Vidvath Technologies Pvt. Ltd.		29th June 2018
4.	Gem Ventures LLP (Bhimart)		11th Aug 2018
5.	IdeaCarve Technologies Pvt. Ltd. Bengaluru		07th Jan 2019
6.	GM NextGen Innovation Center		04th Dec 2019
7.	Red Hat Indian Pvt Ltd, Mumbai		03rd Jan 2020
8.	SAP		08th Aug 2019
9.	Bhimart		11th Aug 2018
10.	BPA Labs Prague, Czech Republic		29th Sep 2020
11.	New Age Innovation Network		12th Sep 2022

Srishyla Educational Trust (R), Bheemasamudra
G.M. INSTITUTE OF TECHNOLOGY, DAVANGERE
CALENDAR OF EVENTS

Ref : VTU/Aca/COE/2021-22/2

Academic Year : 2021– 2022 (Even Semester)   Semesters : **VI & VIII**

Week No.	Month	Week Days							No. of Working Days	Date	Institute / Department Events
		MON	TUE	WED	THU	FRI	SAT	SUN			
1.		4	5	6	7	8	9	10	6	April 4th – Commencement of Even Semester for III & IV - Year Students	INSTITUTE
										April 7th & 8th	ISE-01
2.	April-May 2022	11	12	13	14	15	16	17	4	April 14th(Thu) Dr. B. R. Ambedkar Jayanthi	GOVT. HOLIDAY
										April 15th(Fri) Good Friday	GOVT. HOLIDAY
										April 17th	NSS-01
3.		18	19	20	21	22	23	24	6	April 19th	EC-01
										April 22nd	BT-01
										April 24th Graduation Day	(INS-01)
4.		25	26	27	28	29	30	1	6	April 25th to 27th	ISE-02
										April 27th	CV-01
										April 28th to 30th	NSS-02
										May 1st (Sun) Labors Day	GOVT. HOLIDAY
5.		2	3	4	5	6	7	8	5	May 3rd (Tue) Basaveshwara Jayanthi	GOVT. HOLIDAY
										May 4th , May 5th	CV-02, ISE-03
										May 6th	BT-02
6.	May-June 2022	9	10	11	12	13	14	15	6	May 9th, 10th & 11th	I - IA for III & IV Year (INS-02)
										May 12th & 13th	ISE-04
										May 12th to 14th	CV-03
										May 13th , May 13 & 14th	BT-03, SC-01
7.		16	17	18	19	20	21	22	6	May 16th , May 16th to 18,	CV-04, CS-01
										May 20th	BT-04, CV-05
										May 20th & 21st	SC-02
8.		23	24	25	26	27	28	29	6	May 23rd	CV-06
										May 24th to 26th	ISE-05
										May 26th to 28th, May 28th	EC-02, NSS-03
										May 27th , May 27th & 28th, May 27th & 28th	BT-05, CS-02, SC-03
9.		30	31	1	2	3	4	5	6	June 2nd to 4th	EC-03
										June 3rd & 4th, June 4th, June 4th	SC-04, SC-05
										June 5th	NSS-04
10.	June-July 2022	6	7	8	9	10	11	12	6	June 9th, 10th & 11th	II - IA for III & IV Year (INS-03)
										June 11th & 12th	SC-06
11.		13	14	15	16	17	18	19	6	June 16th	CV-07
										June 17th	BT-06
										June 17th & 18th Mallika-2022	(INS-04)
12.		20	21	22	23	24	25	26	6	June 21st	NSS-05
										June 24th	BT-07, CV-08
13.		27	28	29	30	1	2	3	6	June 27th, 28th	III - IA for IV Year (INS-05)
										June 30th – Last Working Day for IV - Year Students	INSTITUTE
14.	July-2022	4	5	6	7	8	9	10	6	July 8th	BT-08
										July 10th (Sun) Bakrid	GOVT. HOLIDAY
15.		11	12	13	14	15	16		6	July 11th, 12th & 13th	III - IA for III Year (INS-06)
										July 15th	BT-09
										July 16th – Last Working Day for III - Year Students	INSTITUTE
Actual Teaching Days		12	11	13	13	13	14	0	76 / 87	No. of Actual Teaching Days / No. of Working Days	

Govt. Holidays	Sundays	Student/Faculty Activity	Feedback / Mentorship	I. A. Tests - Theory	Commencement/Last Working Day of Semester

Course	Term Commencement	Last Working Day	VTU Practical Exams	VTU Theory Exams	Internship/Viva Voce / Project
B.E. VI SEM	04-04-2022	16-07-2022	18-07-2022 to 29-07-2022	01-08-2022 to 20-08-2022	--------------
B.E. V, VIII SEM	04-04-2022	30-06-2022	----------------	04-07-2022 to 20-07-2022	22-07-2022 to 30-07-2022

Prepared by :	Approved by:	Approved by:
Signature:	Signature:	Signature:
Designation: Dean Academic	Designation: IQAC	Designation: Principal

ABHINANDAN V S
4GM18IS001

DEEKSHA M P
4GM18IS012

HARSHA S V
4GM18IS017

NAGACHANDAN P
4GM18IS028

RITHIK KUMAR G S
4GM18IS045

NIKHITHA H B
4GM18IS032

NIVEDITHA K S
4GM18IS033

OMKAR B
4GM18IS034

PUNITH O
4GM18IS041

SUHAS G S
4GM18IS054

VAISHNAVI S G
4GM18IS058

FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

HARSHITHA P V
4GM17IS011

FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

VINAY K S
4GM18IS060

FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

SAHANA M H
4GM17IS036

FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

VINAYAK M MULGUND
4GM18IS062

wipro

SUMANTH LINGERI
4GM17IS056

anthology

1. Training program on "Think Python"

Dr. Neelambike S and Mr. Vishwanath V K, Asst professors in IS&E department organized a two day technical training program on "Think Python" in collaboration with IQAC-GMIT and Bhimart Bengaluru on 3rd and 4th June,2022.

Resource person for this training was Mrs.Vaishnavi, GTT Pune. Targeted audience are 4th Semester IS and E students. With this training students will be able to explore the knowledge of Python Programming and also helpful to crack upcoming placements interviews.
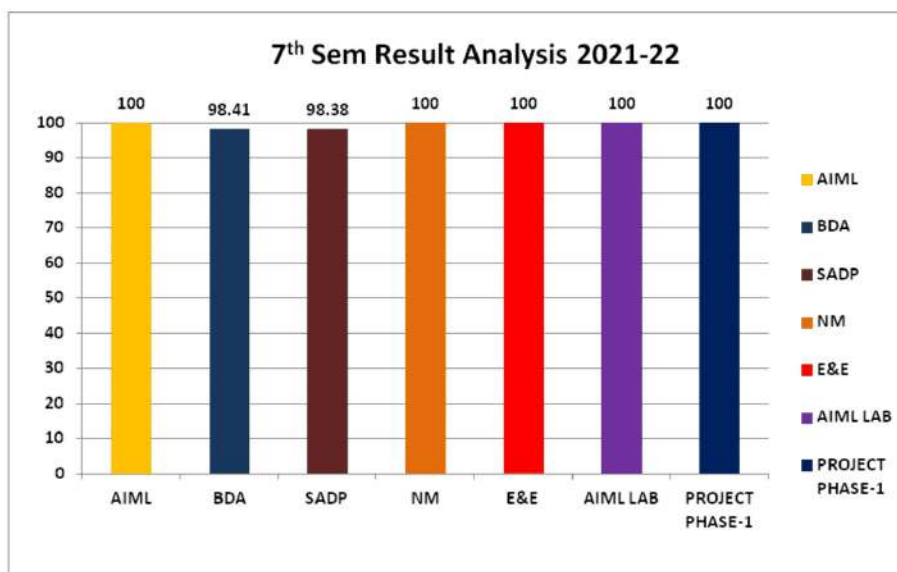

2. Industrial Bridge Course on "POP to OOP"

Mr. Imran Khan, Asst professor in IS& E department organized a two day bridge course on "POP to OOP" in collaboration with Sookshmas E-Learning Pvt. Ltd., Bengaluru and IQAC-GMIT on 21st and 22nd June,2022. Resource person for this training was Mr. Karthik, from Sookshmas E-Learning Pvt. Ltd., Bengaluru and Mr.Imran Khan, Asst. Professor, GMIT, Davangere. Targeted audience are 4th Semester IS&E students.

3rd Sem Result Analysis 2021-22

Subject	Result
EM-III	67.74
DS	96.66
ADE	90.16
CO	83.6
SE	85.24
DMS	93.44
ADE LAB	100
DS LAB	100
KAN	100

5th Sem Result Analysis 2021-22

Subject	Result
ME	98.41
CNS	90.47
DBMS	88.7
ATC	90.32
PYTHON	95.16
UNIX	95.16
CN LAB	98.41
DBMS LAB	100
ES	98.41

7th Sem Result Analysis 2021-22

Subject	Result
AIML	100
BDA	98.41
SADP	98.38
NM	100
E&E	100
AIML LAB	100
PROJECT PHASE-1	100
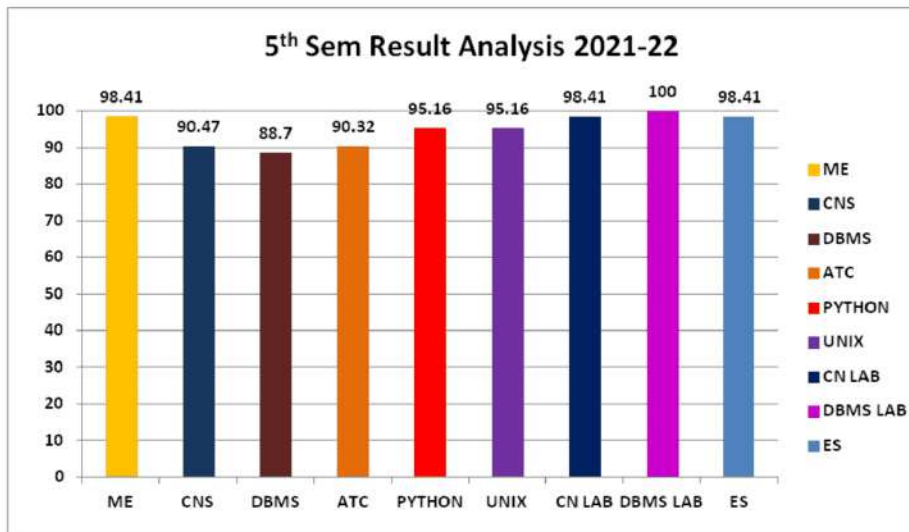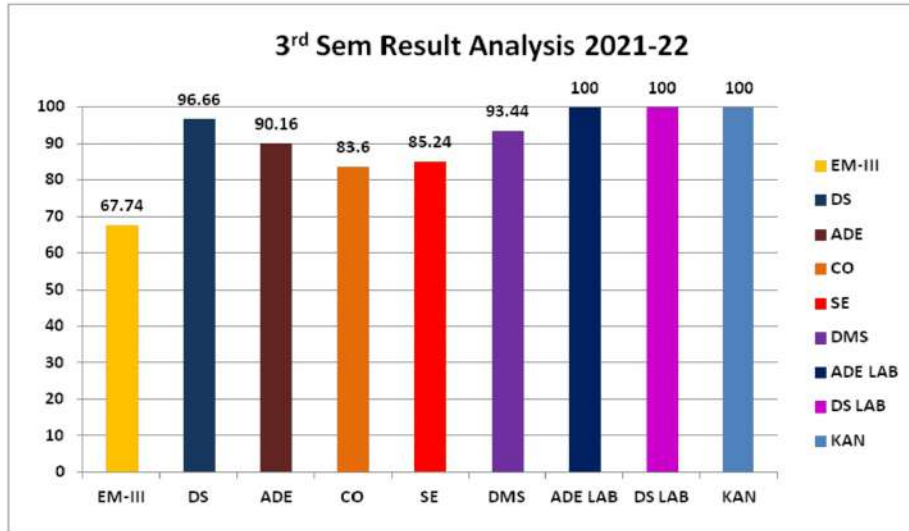
Parent's Meeting

Parents meeting of 4th semester were conducted on 30th July 2022, parents were welcomed by the Academic coordinator Dr. Neelambike S and had given some glimpses on IS and E department.

Later the Program Coordinator Dr. Sunil Kumar B S had discussed with the parents about the various topics like departmental activities, placements, industry visit etc.

Finally the Program coordinator, Dr. Sunil Kumar B S assured conducting much more quality and useful events for the students and thanked all the parents for their support.


Paper Presentation

Best Paper Award for the Paper Presented in International Conference On Science,Engineering & Technology(ICSTE-22) by Science Society on 25th June 2012, authored by Ms. Chandrika, Ms. Diksha, Ms. Soniya, Mr. Kallesh, Guided by Mr. Firoz Khan and Dr. Sunil Kumar B S

National Programme for Technology Enhanced Learning NPTEL Certification Summary 3 Years
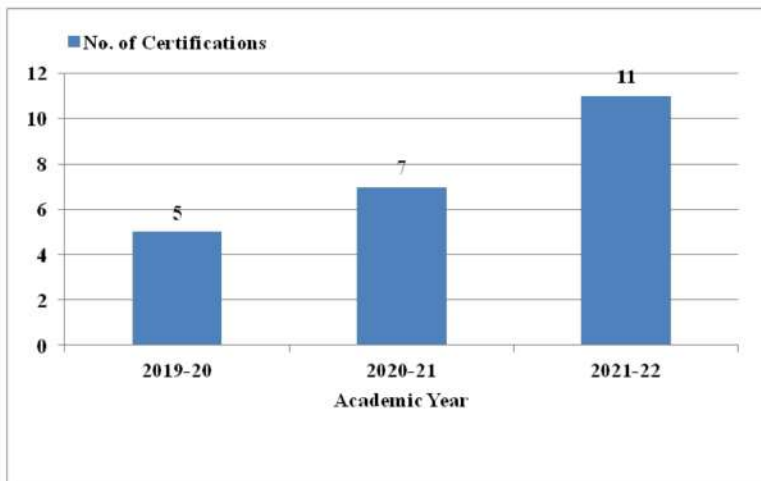
2019-20

Number of Enrollments	Number of Registrations	Number of certification
417	13	5

2020-21

Number of Enrollments	Number of Registrations	Number of certification
43	7	7

2021-22

Number of Enrollments	Number of Registrations	Number of certification
67	30	11

1. Group Discussion under Forum Exotic

On 19th May 2022 - Group discussion event was organised under Forum Exotic for 6th semester students. Their seniors Aishwarya Yeli, Soniya, Pooja, Diksha M M, and Chandrika conducted group discussion event and gave brief presentation about GD. After introduction part about GD, we formed the group and assigned topics to the students.

2. Rangoli, Mehendi & Face painting Competitions under Forum

On 26th May 2022 - Rangoli, Mehendi and Face painting competitions were conducted under the banner of forum Exotic for 4th semester and 6th semester students. Students participated with full of interest and did their best in both the events. This event helped a lot to exhibit their creative skills.

3. Coding competition

The Department of IS&E organised a Coding competition **"CODES"** under the banner of Forum Exotic on 9th Jun 2022. Students were given 3 tricky programs and 2 hours duration to implement those programs.The competition was won by Shreya Upadhyaya,4th semester IS and E student.

4. Invited Talk on "Cyber Security"

The Department of IS&E organised an Invited Talk on "Cyber Security" under the banner of Forum Exotic on 24th Jun2022. Resource person Sanjar R Jain, GMIT Alumni and Principal Engineer at Altisource enlightened the IS and E students about Cyber Security and forensics through an online platform.
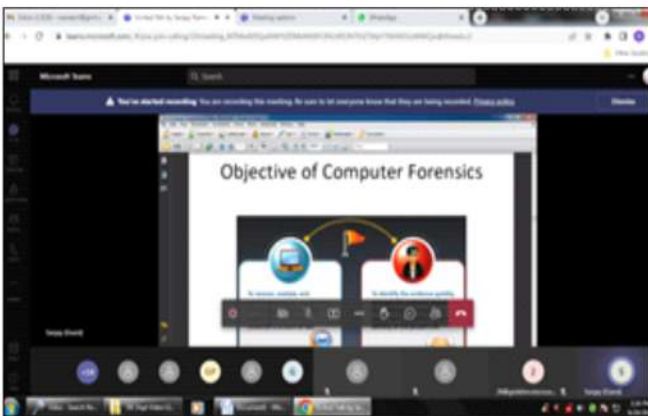
3. Forum Valedictory and Farewell

Forum Exotic valedictory and Farewell to final year students was organised by the Department of IS&E on 13th July 2022. Alumnus Ms. Apoorva M, Talent Coach, HR IT Recruitment, Accenture, Bengaluru was invited as chief guest for the function. Ms. Aishwarya S Yeli was awarded as best outgoing student of the batch. Mr. Gururaj M and Mr. Harsha S V were awarded as **"Best Techie"** of the batch. During the program, the department newsletter of the odd semester was released. During the program academic toppers were appreciated and certificates were distributed to prize winners in various events conducted under the forum throughout the year.

1. Industry Visit to Venkateshwara Hatcheries Pvt. Ltd

3rd Year Students of IS&E Department Visited to "**Venkateshwara Hatcheries Pvt. Ltd."** Haveri district on **27th May 2022**. The Students witnessed the automation processes of the entire industry. The students learnt the usage of sensors in automation and quality testing processes. They realized the benefits of quality software's that could help to improve the overall manufacturing and reporting tasks.

The students were provided with detailed information by the industry experts regarding the working of each stage of the process from raw input to the final product. The students appreciated and admired the protocols followed by the industry in producing the safety food products in an eco friendly manner.

2. Industrial Visit

The 4th semester students of IS&E had visited "**GM Agro And Beverages"** on 2nd June 2022. In this industrial visit, Students gained knowledge about various aspects like Industrial raw materials, process of automation in production, various machines and sensors used for production, as well as marketing and managerial strategies. The students were accompanied by Assistant professors, Mr. Imran khan and Ms. Bhoomika S S.

Training Program on "National Intellectual Property Awareness Mission"

Dr. Neelambike S, Asst Professor of IS&E Department has successfully participated in IP Awareness/Training program under Intellectual Property **Awareness on 23rd May 2022** organized by Intellectual Property Office, India.

Certification by Students
AWS Cloud Beginners Certification

Dept. of IS&E, 6th Semester around 15 students had actively took part in **AWS Cloud Beginner's** Certification Program conducted by reknowned online education platform Edureka and has achieved 'A' grade in their course completion examination.

1.National Webinar on "Enabling Industry Readiness & Enhancing Employability

Dr. Neelambike S successfully participated in National Webinar on **"Enabling Industry Readiness & Enhancing Employability"** and Technology Quiz organized by Karnataka Jnana Vijnana Samithi (KJVS), Kalburgi.

2.National Webinar on "Enabling Industry Readiness & Enhancing Employability

Ms Bhoomika S S successfully participated in National Webinar on **"Enabling Industry Readiness & Enhancing Employability"** and Technology Quiz organized by Karnataka Jnana Vijnana Samithi (KJVS), Kalburgi.

3.National Webinar on "Enabling Industry Readiness & Enhancing Employability

Mrs. Soumya yattinahalli successfully participated in National Webinar on **"Enabling Industry Readiness & Enhancing Employability"** and Technology Quiz organized by Karnataka Jnana Vijnana Samithi (KJVS), Kalburgi.

4.National Webinar on Innovation and Entrepreneurship

Dr. Neelambike S, Asst Professor of IS&E, attended a one day National Webinar on **"Innovation and Entrepreneurship"** held on 20th Aug 2022 organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

1.Innovative Product Design

Innovative Product Design event was conducted on 23rd July 2022 under "**Karnataka State Level ISTE Student Convention"** organised by GMIT, Davangere. The judges for the event are Mr. Kamlesh, CEO, Sookshmas E-Learning Pvt. Ltd and Mr. Karthik, Associate, Sookshmas E-Learning Pvt. Ltd., Bengaluru, coordinated by Mrs. Nasreen Taj M B and Ms. Bhoomika S S.

2.Paper Presentation

Paper presentation event was conducted on 23rd July 2022 under "**Karnataka State Level ISTE Student Convention"** organised by GMIT, Davangere. Dr. Neelambike S from the IS & E Department was present as a judge for an event.

3. Engineer's Eye

Mr. Firoz Khan and Mrs. Soumya Yattinahalli. conducted Engineer's Eye an innovative and technical event in "**Karnataka State Level ISTE Student Convention"** organised by GMIT, Davangere.

4. Algorith-22

Ms. Kavya Hegde and Ms. Shreya Upadhyaya, 4th Sem, IS&E, bagged third place in State Level Competition on "**Design, Implementation and Presentation of Algorithms",** at JIT, Davangere.

1. Amith Shekhar C, Asst. Professor of IS&E, published a paper by Title: **"A combined computing framework for load balancing in multi-tenant cloud ecosystem",** in International Journal of Electrical and computer Engineering

2. Under the guidance of Dr. Sunil Kumar B S, Professor and Head, Dept. of IS&E department. Final Year students Amruth Kumar M V, Harsha S V, Nehal V and Shiva M N had published the paper in International Journal of Research and development in Technology with the title **" Automation of classroom using IoT".**

3. Final Year students of IS&E Nagachandan, Sanjana, Vinay and Vaishnavi had published the paper in International Journal of Research and development in Technology with the title **"Malware detection using Machine learning"** under the guidance of Assistant professor Amith Shekhar.

4. Final Year students of IS&E Gururaj, Kruthik, Kiran kumar, Vinayak had published the paper in International Journal of Research and development in Technology with the title **"Hand Tracking System Control using Computer Vision"** under the guidance of Mrs.Soumya Yattinahalli, Asst prof in IS&E department.

Faculty Development Program

1. Amith Shekhar C, Asst Professor of IS&E, attended a Three Days Virtual Faculty Development Program on **"Data Science & Networking"** organized by the Department of Electronics and Communication Engineering, Rajeev Institute of Technology, Hassan from 25th to 27th August 2022.

2. Dr. Neelambike S, Asst Professor of IS&E, attended Two Day NAAC Sponsored State Level Seminar on **"Teaching Learning and Assessment Process as per OBE in higher Education Institutions in line with NEP 2020"** on 2nd & 3rd September 2022

Ms. Bhoomika S S, Asst Professor of IS&E, attended Two Day NAAC Sponsored State Level Seminar on **"Teaching Learning and Assessment Process as per OBE in higher Education Institutions in line with NEP 2020"** on 2nd and 3rd SEP 2022

NEWS LETTER 2021-2022
EVEN SEMESTER
VOLUME: 7   ISSUE: 2

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Faculty Editor:
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ASST. PROFESSOR

Faculty Editor:
Ms. BHOOMIKA S S
ASST. PROFESSOR

4th Year
POORNIMA S P

4th Year
SAHANA H P

3rd Year
ANUJ M R

3rd Year
DEEPAK R

2nd Year
PADMASHREE

Designed By:

PRAKASH T. K.
Technical Staff

> " *No one person can shape the life of another Your success and happiness depends upon your own self Think for yourself and have a plan of life* "

SIR M VISVESVARAYA