SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5 Chikkasandra, Hesarghatta Main Road, Bengaluru – 560057

JAN 2023

MISSION

M1: To enable learning in emerging technologies adopting innovative methods.

M2: To enhance ability, cultivate collaboration to bring change in building students approach towards society.

M3: To make available platform for harnessing entrepreneurial and leadership qualities.

M4: To partner continuously with industry to Inculcate practical knowledge.

VISION

To be a potential quality source of expert computer engineers, addressing the requirements of industry and civic demands at large.

SRI G. DAYANAND, CHAIRMAN

The "COMPU NET - The Information Hub" newsletter of the department of Computer Science & Engineering is providing great space for the students and faculty to pen down their innovative ideas, imagination and perceptions to showcase creativity. So, I take the opportunity to congratulate the Department of CSE and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

SRI G. D. MANOJ, EXECUTIVE DIRECTOR

I am indeed happy to share that department of Computer Science & Engineering is having its monthly newsletter "COMPU NET - The Information Hub". I personally urge all faculty members and students of the department to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and interesting facts. I congratulate the team of Computer Science & Engineering editorial committee.

PRINCIPAL'S DESK

It gives me immense pleasure to note that SCE has been publishing bi-annual newsletter and I am sure, this will provide an opportunity for the faculty and students to share their knowledge and beacon the information about various issues and activities that are being taking place in the department. I look forward for more activities and achievements for the department to march towards excellence in the future. I would like to thank all teaching, supporting staff and our beloved students for their active participation in publishing this magazine. My special compliments and congratulations to the editorial team of the department for their consistent effort in publishing this newsletter.

DR. M H ANNAIAH, VICE-PRINCIPAL

I am very happy and delighted to know that our college is bringing out the college newsletter. SCE is one of the leading premier engineering colleges in the country offering quality technical education to students thereby enabling them to become globally acceptable engineers in their domains. The newsletter provides a platform for both faculty and students to showcase their achievements and hidden talents. I congratulate our beloved principal and members of the editorial board for bringing out this excellent and informative newsletter on time.

HOD'S DESK

The Computer Science & Engineering Department was established in the year 2001 with an intake of 60 students and the current intake is 120 students. The department established a Research Centre in 2013, affiliated to VTU Belagavi. The department aims to produce engineering graduates with adequate theoretical and practical knowledge in the area of computer science so as to make them capable of design, implementation, development and maintenance of high-quality software products meeting industry standards. I am very proud to express that our department is coming out with a new venture that is a newsletter to share various events and thoughts that have happened.

MINI PROJECT EXHIBITION

The Department of Computer Science & Engineering organized a Mini Project Exhibition on 16th ,August, 2022 for students of all the 4th semester students in both A & B sections. The students attended the session. The outcome of the PROJECT EXHIBITION was that students were able to show their project at a higher level and the process boosted their confidence. The inaugural of the project exhibition witnessed the presence of Dr.H Ramakrishna, principal, SCE, and Dr. Kamalakshi Naganna, HOD, CSE along with the faculties and staff members of Department of CSE,

ISRO UPSC INDUSTRIAL VISIT

A one day Industrial visit to **Indian Space Research Organization (ISRO),** Bangalore was organized by the Department of Computer Science Engineering on 4th August 2022 with the lead role taken up by our beloved Head of the department **Dr. Kamalakshi Naganna** to organize the visit. It was a half day visit consisting of 60 students of 2 sections from 4th semester along with faculties **Prof. Akshatha Kamath** and **Prof. Divyamani**. The objective of the visit was to provide a Technical Exposure to the students about Space Technology and advancements in Technology.

DEVELOPING ONLINE REPOSITORY OF STARTUPS DEVELOPED/INCUBATED AND WAY FORWARD PLAN

Every start-up has a chance to change the world, by bringing not just a new product, but an entirely new institution into existence. Department of Computer Science & Engineering organized a session on Developing Online Repository of Start-ups Developed/incubated and Way forward Plan in association with Institute's Innovation Council by organizing webinar on 27/08/2022 at 10.30 am to 11.30 am. In this program, the resource person of this session was Mr. Deepak Surya, Associate Technologist, Elait IT Technology Services Pvt Ltd, Former: Chief Technical Officer, Platon Services Private Limited.

PLACEMENT PREPARATION

Alumni talk was conducted for the benefits of enhancing and improving the knowledge on how to prepare for the Interview with industry perspective for the 7TH Semester Students of Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore on 17th SEPTEMBER 2022. The following topics were discussed in the sessions:-Introduction, Programing Language, Level of Confidence, Rounds of Interview .Also advised the students to be confident in one language you are familiar with.

HANDS ON SESSION ON C PROGRAMMING

The Placement Training Session on C Programming was organized by Dept of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 21st September 2022. In this Placement Training Session the resource person gave an idea about C programming as per industry standards . Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person.

SPRING AND HIBERNATE

The Six day course was conducted for students to be familiar with the major concepts in "SPRING AND HIBERNATE" which is a main platform for their career .Certification Course became the vital step to improve the knowledge of students in the area of Spring and hibernate.
The following topics were discussed in the sessions :-
Basics of Java
Overview of Spring Framework
How simplify Application development in Spring
Overview of Hibernate Framework
Java ORM Frameworks

CERTIFICATION COURSE ON ADVANCED JAVA

The placement Training Session on Java Programming was organized by Dept of CSE for 5th semester students of Sapthagiri College of Engineering, Bangalore from 10/10/2022 - 15/10/2022. In this certification course recourse persons gave an idea about Java programming as per industry standards. Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person. Hands-on sessions were helpful to improve the knowledge.

HANDS-ON SESSON ON C PROGRAMMING

The Placement Training Session on C Programming was organized by Dept of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 13th October 2022. In this Placement Training Session the resource person gave an idea about C programming concepts like structures, unions as per industry standards . Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person.

IBM SKILL BUILDING

Skill enhancement program was conducted for improving the communication and presentation skills for 3rd semester students of department of computer science engineering, sapthagiri college of engineering, Bangalore on 14th October 2022 the following topics were discussed in the sessions:- Professionalism- Etiquettes: Communication Skills - Formal & pseudo- formal, Email writing, Presentation skills, How to face challenges, Resolving with critical thinking. Resume Building & LinkedIn Profiling: Resume Writing, format and layouts, LinkedIn profiling and Creating a Profile. Digital Literacy :Digital Footprint, Effective use of social media.

EXTRACT TRANSFER LOAD USING TALEND TOOL

The Technical talk on **EXTRACT TRANSFER LOAD USING TALEND TOOL** was organized by Dept. of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 15th October 2022. In this Technical Talk the resource person gave an idea about Database Language as per industry standards. Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person.

KARUNADU TECHNOLOGIES PRIVATE LIMITED

The Skill Enhancement Program on Internet of Things was organized by Dept of CSE for 7th semester students of Sapthagiri College of Engineering, Bangalore on 15th October 2022. In this Skill Enhancement Program the resource person gave an idea about concepts based on Internet of Things as per industry standards. Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person.

FEP ON PYTHON PROGRAMMING

Infosys team taught python programming online. Gave assessment regarding each concept. Suggested how to conduct a session and how to use the syntax on developing an application .Two faculties attended the session and issued certification by taking assessment on the topics. They learnt basic implementation of the language.

HANDS-ON SESSION ON PYTHON PROGRAMMING LANGUAGE

The Placement Training Session on Python Programming was organized by Dept of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 19th October 2022. In this Placement Training Session the resource person gave an idea about Python programming concepts as per industry standards . Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person.
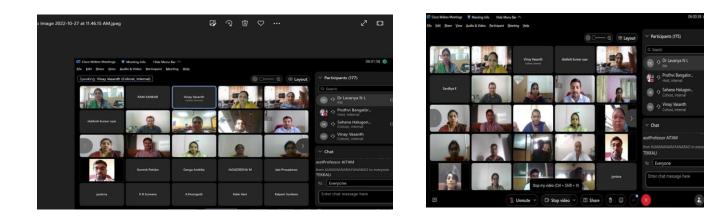

TECHNICAL SKILL DEVELOPMENT BY AMPERSHAND TECHNOLOGIES

Skill Enhancement program was conducted for improving the technical and development skills for 7th Semester Students of Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore on 22nd October 2022. The following topics were discussed in the sessions:-
Predictive data analytics, Prescriptive data analytics, Diagnostic data analytics, Descriptive data analytics. The event was made more interesting and the students were able to learn the various aspects understand of Data Analytics like

CERTIFICATION COURSE ON INTRODUCTION TO OOC AND BASIC JAVA

The placement Training Session on OOC and Java Programming was organized by Dept of CSE for 3rd semester students of Sapthagiri College of Engineering, Bangalore from 31/10/2022 - 05/11/2022. In this certification course recourse persons gave an idea about OOC and Java programming as per industry standards. Students were interacting throughout the session and obtained enough knowledge about the topic by asking their doubts with the resource person. Hands-on sessions were helpful to improve the knowledge.

HANDS-ON SESSION ON C++ PROGRAMMING

The Placement Training Session on C++ Programming was organized by Dept of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 3rd November 2022 and 04th November 2022. In this Placement Training Session the resource person gave an idea about C++ programming concepts like structures, unions as per industry standards

INTRODUCTION TO WEB 3.0

The Department of Computer Science & Engineering organized Technical talk on 18th November, 2022 for students of all the 3rd semester students in both A & B sections. The students attended the session. The outcome of the technical talk was that students were made aware of block chain and the emerging web3 space and introduction to new technology called context aware compute.

POSTER PRESENTATION

Poster Presentation was conducted for the benefits of enhancing and improving the knowledge of students on various trending technologies with industry perspective for the 3RD Semester Students of Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore on 24th NOVEMBER 2022. The following topics were discussed in the sessions: - Extended reality, Internet of Things, Virtual Reality, Machine Learning, Artificial Intelligence, Block Chain, Intelligent Apps, Cloud Computing Etc.

HACKATHON

The inauguration of **HACKATHON** was held on 2nd December 2022 at 10:30 a.m. in the seminar hall. The chief guest of the day, **DR.H. RamaKrishna** , Principal,SCE,& **Dr**.**Vimukta Salis**, Associate Professor of Global college of Engineering arrived and were received by the head of the department.**Dr. Kamalakshi Naganna, HOD of CSE,** formally welcomed all the dignitaries present on the dais and participants from various departments, colleagues & students. She mentioned the significance of "Hackathon".

Dr.H Ramakrishna then gave his speech and encouraged the students with his warm and motivating words.

Dr. Vimuktha Salis, she motivated everyone to actively participate in the" Hackathon" to benefit. Program was hosted by 7th sem student Sneha. In the end, Sanjana Patil of 7th Sem offered a vote of thanks to all invited guests and participants for gracing the occasion with their solemn presence.

COOKING WITHOUT FIRE AND REGIONAL FOOD EXHIBITION

The Food Walk was organized as part of the Social Connect & Responsibility. Students of 3rd Semester Actively participated. All Students Exhibited cooking without fire and Regional foods of their choice. This Event was organized as part of the 3rd Semester Students Social Connect & Responsibility Syllabus Module-5 .The Principal addressed the gathering and advised the students for the need of knowing about the food preparation. The Judges were allotted to judge the Variety of Food. The Winners of the Event were also announced.

MOCK TEST

The Mock Test on Programming and aptitude was organized by Dept of CSE for higher semester students of Sapthagiri College of Engineering, Bangalore on 14th of December. In this Mock Test students technical and aptitude ability was tested as per industry standards .

MOCK TEST

This seminar was conducted for the benefits of enhancing and improving the knowledge how to prepare for the studying in Abroad, its procedures, application, visa etc for the 7TH Semester Students of Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore on 16th DECEMBER 2022. The following topics were discussed in the sessions:-Process to be followed to study abroad, career path, salary comparison, becoming an experienced professional etc .

INDUSTRIAL VISIT

F-TLP-04/RO

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & approved by AICTE, New Delhi)
NAAC Accredited "A" Grade Institute, NBA Accredited
ISO 9001:2015 & 14001:2015 Certified Institute
#14/5, Chikkasandra, Hesaragatta Main Road, Bengaluru - 560057
Web: www.sapthagiri.edu.in , Email: principal@sapthagiri.edu.in
Phone: 080-28 372800/1/2 Fax: 080-28 372797
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year: ODD/2022-2023

Industrial Visit to ISRO

Semester: 3rd 'A' & 'B' Section · Date: 20/12/2022

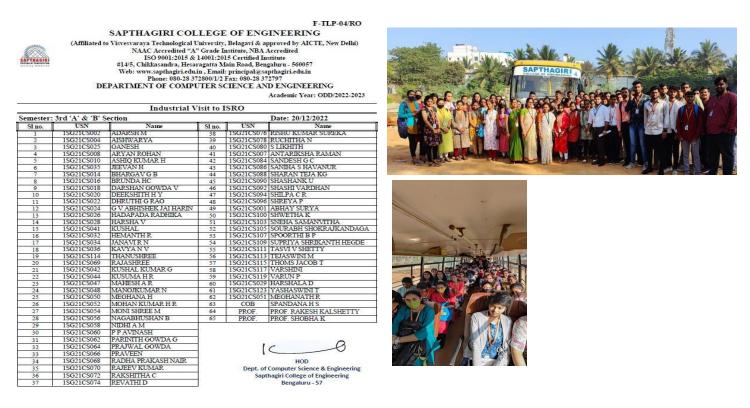| Sl no.	USN	Name	Sl no.	USN	Name
1	1SG21CS002	ADARSH M	38	1SG21CS076	RISHU KUMAR SUREKA
2	1SG21CS004	AISHWARYA	39	1SG21CS078	RUCHITHA N
3	1SG21CS025	GANESH	40	1SG21CS080	S LIKHITH
4	1SG21CS008	ARYAN ROHAN	41	1SG21CS007	ANTARIKSHA RAMAN
5	1SG21CS010	ASHIQ KUMAR H	42	1SG21CS084	SANDESH G C
6	1SG21CS035	JEEVAN H	43	1SG21CS086	SANIHA S HAVANUR
7	1SG21CS014	BHARGAV G B	44	1SG21CS088	SHARAN TEJA KG
8	1SG21CS016	BRUNDA HC	45	1SG21CS090	SHASHANK U
9	1SG21CS018	DARSHAN GOWDA V	46	1SG21CS092	SHASHI VARDHAN
10	1SG21CS020	DEEKSHITH H Y	47	1SG21CS094	SHILPA C R
11	1SG21CS022	DHRUTHI G RAO	48	1SG21CS096	SHREYA P
12	1SG21CS024	G V ABHISHEK JAI HARIN	49	1SG21CS001	ABHAY SURYA
13	1SG21CS026	HADAPADA RADHIKA	50	1SG21CS100	SHWETHA K
14	1SG21CS028	HARSHA V	51	1SG21CS103	SNEHA SAMANVITHA
15	1SG21CS041	KUSHAL	52	1SG21CS105	SOURABH SHOKRAJKANDAGA
16	1SG21CS032	HEMANTH R	53	1SG21CS107	SPOORTHI B P
17	1SG21CS034	JANAVI R N	54	1SG21CS109	SUPRIYA SHRIKANTH HEGDE
18	1SG21CS036	KAVYA N V	55	1SG21CS111	TASVI V SHETTY
19	1SG21CS114	THANUSHREE	56	1SG21CS113	TEJASWINI M
20	1SG21CS069	RAJASHREE	57	1SG21CS115	THOMS JACOB T
21	1SG21CS042	KUSHAL KUMAR G	58	1SG21CS117	VARSHINI
22	1SG21CS044	KUSUMA H R	59	1SG21CS119	VARUN P
23	1SG21CS047	MAHESH A R	60	1SG21CS029	HARSHALA D
24	1SG21CS048	MANOJKUMAR N	61	1SG21CS123	YASHASWINI T
25	1SG21CS050	MEGHANA H	62	1SG21CS051	MEGHANATH R
26	1SG21CS052	MOHAN KUMAR H R	63	COB	SPANDANA H S
27	1SG21CS054	MONI SHREE M	64	PROF.	PROF. RAKESH KALSHETTY
28	1SG21CS056	NAGABHUSHAN B	65	PROF.	PROF. SHOBHA K
29	1SG21CS058	NIDHI A M			
30	1SG21CS060	P P AVINASH			
31	1SG21CS062	PARINITH GOWDA G			
32	1SG21CS064	PRAJWAL GOWDA			
33	1SG21CS066	PRAVEEN			
34	1SG21CS068	RADHA PRAKASH NAIR			
35	1SG21CS070	RAJEEV KUMAR			
36	1SG21CS072	RAKSHITHA C			
37	1SG21CS074	REVATHI D			

HOD
Dept. of Computer Science & Engineering
Sapthagiri College of Engineering
Bengaluru - 57

Industrial Visit was conducted for the benefits of enhancing and improving the knowledge of students on various Real time Scenarios and trending technologies with industry perspective for the 3RD Semester Students of Department of Computer Science and Engineering, Sapthagiri College of Engineering, Bangalore on 20th DECEMBER 2022. The following topics were discussed in the sessions: - Satellite Building, Outer space Activities, ISRO Development, Contribution of U R Rao satellite center towards nation building Etc

COMPUNET

The Department of Computer Science & Engineering organized COMPUNET on 26TH AND 27TH th December, 2022 for students of all the 3rd, 5th and 7th semester students . The students attended the event. The outcome of the COMPUNET was that students were given a platform to showcase their talent.

SL NO.	FACULTY NAMES	FDP TITLES	DATES	NO. OF DAYS	PLACE
01	**DR. KAMALAKSHI NAGANNA**	DEVELOPING AND DEPLOYING SPRING BOOT MICROSERVICES ON KUBERNET CLUSTER	22ND-26TH AUG 2022	5	RAMAIAH INSTITUTE OF TECHNOLOGY BENGALURU
02	**PROF. MADHUSHREE**	FEATURE ENGINEERING IN DATA SCIENCE DEEP LEARNING MODLES	25TH-29TH AUG 2022	5	GAT,BENGALURU
03	**PROF. LATHA A**	FEATURE ENGINEERING IN DATA SCIENCE DEEP LEARNING MODLES	25TH-29TH AUG 2022	5	GAT,BENGALURU
04	**DR. LAVANYA N.L**	PROGRAMMING FUNDAMENTALS USING PYTHON	17TH-21ST OCT 2022	5	BENGALURU
05	**SHWETHA A.B**	PROGRAMMING FUNDAMENTALS USING PYTHON	24TH-29TH OCT 2022	5	INFOSYS CAMPUS CONNECT, BENGALURU
		OBJECT ORIENTED PROGRAMMING WITH JAVA	28TH NOV-3RD DEC 2022	6	SJCIT
06	**VANITHA G.P**	OBJECT ORIENTED PROGRAMMING WITH JAVA	28TH NOV-3RD DEC 2022	6	SJCIT
07	**HEMALATHA K**	OBJECT ORIENTED PROGRAMMING WITH JAVA	28TH NOV-3RD DEC 2022	6	SJCIT

Chief Editor   : **Dr. Kamalakshi Naganna**

Sub Editor   : **Prof. Madhushree**
                                 Prof. Lavanya K

Student Members   : **Hemanth (4th sem)**

                               Jeevan H (4th sem)