



ISE Magazine

January 2020

VISION

To excel as a hub of disseminating knowledge and nurturing innovative ideas in information technology through learning and performance for the benefit of the society.

MISSION

- ✓ To facilitate experiential learning environment for student community.
- ✓ To cultivate teamwork and ethical values amongst the student community and nurture them as responsible information technology professional in the society.
- ✓ Encourage Student Community To Develop Aptitude To Innovate And Inculcate Enterprising Qualities Of Job Creators.
- ✓ Strengthen The Rapport With Reputed Information Technology Organizations To Build Quality Industry-Academia Network.

Chairman: Sri G. Dayanand

The newsletter of the department ISE is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of ISE 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.



Executive Director: Sri G. D Manoj

I am indeed happy to know that the department of ISE has taken initiative in realizing its monthly newsletter and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of ISE



Principal's Desk: Dr. H Ramakrishna

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 congratulation to the editorial team of the department for their consistent effort in publishing this newsletter.



Vice Principal's Desk: Dr. M H Annaiah

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 editorial board for bringing out this excellent and informative newsletter on time.



HOD's Desk : Dr. H R Ranganatha

We are presenting you 2019-20 odd sem newsletter. Our goal is to create a new forum for exchange of information on all aspects of information science. Future scope of the INSPIRE ZONE is open to your suggestions. I would like to encourage you to submit original research notes as well as opinions, technical reports and short communication in general area of interest.



Bridge course on C Programming for data Structure and applications

The four days Bridge Course was organised from the department faculty of ISE on “C Programming for Data Structures and Applications” from 24th to 27th July 2019 at ISE Auditorium-306.

The objective of “Bridge Course” is to provide the fresh faces of Information Science and Engineering department students a chance to explore the various opportunities available to them at Sapthagiri College of Engineering from the perspective and experiences of the existing students, to make students to learn basic principles of Problem solving, implementing through C programming language and to design & develop programming skills. To gain knowledge of data structures and their applications. Which began with the following which there was the ceremonial lighting of the lamp by the principal inviting two students to come up and light the lamp along with the chief guest and the heads of various departments. The induction program then continued with a welcome address to the fresh new faces of ISE department.

Inside the issue

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9 Days Foundation course on Computer Skills for MBBS Students

The nine days Foundation Course was organised from the department faculty of ISE to the MBBS students of Sapthagiri medical college on “Foundation Course-Computer Skills” from 22nd to 31st August 2019 at ISE Auditorium-306.

The objective of “Orientation Course” is to provide the fresh faces of Bachelor of Medicine and Bachelor of Surgery (MBBS) students a chance to explore the various opportunities available to them at Sapthagiri College of Engineering from the perspective and experiences of the existing teachers, to make students to learn basic principles of computer and application softwares like Password protection, Ms word usage, use of Excel sheet, Preparation of Power point presentation, how to download a software.

The day began with the new students having a chance to build their network by greeting and meeting each other before the beginning of the induction program.

The students walked out of the “Orientation Course” by gaining an invaluable insight into basic principles of computer and application software’s from Information Science and Engineering department at Sapthagiri College of Engineering.



Foundation Course 2019-20 Team

Technical talk on Cloud Computing: An Industry Perspective

The Department of ISE had organized a Technical Talk on “**Cloud Computing: An Industry Perspective**” from ISE alumni Mr. Praveen, who has passed out in the year 2017. Mr. Praveen currently working as Cloud Engineer at Mind Tree

Dr. H R Ranganatha, HOD, Dept. of ISE welcomed Mr. Praveen formally. The session was held for Pre-final year and final year students of the department. Totally 200 students were present in this session.

Mr. Praveen gave an insight on how cloud technologies work and he educated the students with his inspiring talk that took students on a journey from. Also He discussed about many projects that can be done in this platform.



Technical talk on CMR Package

The Department of Information Science & Engineering had organized a Career Guidance & Interaction Session with Alumni Ms.HinaHishrath, Junior Associate, Cons league Ltd on 2nd November 2019. Ms.Hina took students of 7th, 5th and 3rd semester through an immersed experience of making a career in Cloud Computing in general and CRM software like Sales Force.

She gave nitty-gritty of working methods with Sales Force and also guided students on how to pursue certifications in Sales Force and also highlighted various designations in which a Sales Force Certified Engineer can work.

The session was followed by Q&A where enthusiastic students got their doubts clarified.



One Day Workshop On Machine Learning

Department of Information Science & Engineering had organized One Day Workshop on Machine Learning titled '*Machine Learning Intuitions*' on 21st September, 2019 for Students of ISE. Mr.Raghavendra Rao Althar, Quality Management strategist in Insurance from First American Ltd. Bengaluru was the resource person.

The workshop was inaugurated by Dr. H Ramakrishna, Principal, SCE and Dr. M.H. Annaiah, Vice-Principal, SCE. He enlightened the student community on underlying concepts in the arena of Machine Learning. He stressed upon the fact that “Machine Learning is not a Magic but pure Geometry.”

He shared with the students' fundamental concepts pertaining to regression, classification, clustering and natural language processing (NLP). Also he urged students to give more importance for data cleansing as garbage-in-garbage out is a phenomenon that results eventually if proper data is not provided.



Career Guidance

The Department of ISE had organized a Technical Talk on “**Career Guidance**” from ISE Mr. Gaurav Bansal, Manya Education Private Limited (MEPL).

Dr. H R Ranganatha, HOD, Dept. of ISE welcomed Mr.GauravBansal formally. The session was held for Pre-final year students of the department. Totally 100 students were present in this session.

In his talk he gave the knowledge about career guidance to individuals to help them acquire the knowledge, information, skills, and experience necessary to identify career options, and narrow them down to make one career decision. He also guided the students about higher education in abroad.

The organization focuses on foreign university admissions and guides students through the entire journey starting from short-listing of schools, test preparation, developing a competitive application strategy, interview prep and visa services. We believe in helping students realize their dreams.



Career Guidance on Certified Associate in Analytics (CAA)

The department of Information science and engineering has organized the Career Guidance on Certified Associate in Analytics (CAA) Certification from Karl Pearson Institute (KPI) by Mr. E Johanan Daniel MD & Principal Consultant. It was organized for final year and pre final students.

Mr. E Johanan Daniel has given the talk on data analytics, importance of big data, Real world applications, and career applications in big data. He also addressed the importance of the certification course on Certified Associate in Analytics with respect to the real world applications. He also played some video clip which is related to the data analytics. This certification course will cover the following details

- Fundamentals of data and statistical tools for analysis
- Sources of data and data capturing devices for analytics
- Data visualization and descriptive statistical tools for analytics
- Inferential statistical tool for analytics
- Predictive analytics
- Prescriptive analytics
- Text analysis
- Fundamentals of information technology and computing for analytics

It was very interactive session many of the students were interested in doing this certification course.



HACKATHON-2019

The department of Information science and engineering had conducted the one day workshop on HACKATHON – 2019 on 11th November 2019. It was conducted by Mr. Hemanth Y K who is a subject matter expert from ANZ company and it was organized for 3rd sem and 5th sem students. Totally 36 students have participated in this event In inauguration function Principal Dr.H Ramakrishna, had address the students with very informative talk , Dr. H R Ranganatha HOD of ISE had motivated the students by telling the origin of hackathon and the speaker Mr. Hemanth Y K had address the gathering with importance of hackathon. This Hackathon workshop will cover the domains like Natural Calamities, Education, Agriculture, Social welfare, IT sector and Real time ideology



Memorandum of understanding (MOU)

Department of ISE has signed the MOU with “Tequed Labs Pvt Ltd”



Inauguration of Incubation Center in Collaboration with Tequed Labs

Department of ISE has inaugurated the incubation centre in collaboration with “Tequed Labs Pvt Ltd”. This company will provide a free training session on real time technology for the students of ISE and CSE. More than 90 students of ISE and CSE students are doing internship with this company. The internship training programs are on various platforms like Machine learning, Python programming language, Internet of Things, Cyber security and Big data analytics



Workshop Attended By Faculty

1. Prof. PreranaChaithra, Prof. Ramya R and Prof. Divyashree G has attended the one day workshop on “**Filling of income tax return 2019-20**” from CSE on 30th September at SCE.
2. Prof. PreranaChaithra has attended one day conference on “**DCD Bangalore Conference**” organized by Data Center Dynamics Pvt. Ltd. at Sheraton, Bengaluru on 4/7/2019.
3. Prof. PreranaChaithra has attended one day workshop on “**UI5con**” organized by SAP Labs at SAP Labs, Bengaluru on 4/7/2019.
4. Prof. PreranaChaithra has attended one day workshop on “**Guidelines for Research Scholars**” organized by R.V.C.E at R.V.C.E., Bengaluru on 15/7/2019.
5. Prof.Sudarshanan D has participated in one day national seminar on “**AICTE quality and sensitization of technical teacher training**” on 16/12/2019 at Cambridge institution of technology.
6. Prof. Ramya R and Prof. Divyashree G has attended the one week workshop on “**Network data analytics-A hands on approach for application development**” under AICTE sponsored margadarshana scheme from 1st to 5th July 2019 at RIT.

Paper Publications

1. Prerana Chaithra, Shantharam Nayak, " Quality Assurance Techniques in SRS Documents”, Elsevier-Scopus indexed International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075, Vol-9, Issue-2S, December 2019, pp. 14-18.

Placements

- Campus placement drive was organised from placements department for the academic year 2018-19, many companies have visited our Campus and it is proud for the department to say that some of our students are placed in company. Department of ISE congratulate the all students those who have placed.

Total number of students present in the 7 th sem	121
Total number of students Placed	44
Percentage	36%

Editorial Board

Chief Editor: Dr. H R Ranganatha HOD, ISE

Sub Editor: Prof. Divyashree G Assistant Professor, ISE

Student Member : Omkar R (7th sem)
A T Shwetha (5th sem)
Suhana S (3rd sem)

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