



SAHYADRI

**COLLEGE OF ENGINEERING & MANAGEMENT
MANGALURU**

PRACTI - 2K17
Department Newsletter

ACADEMIC YEAR 2017-18

HOD's Message



Dr. Shamanth Rai
Associate Professor & HOD

As the famous quote goes by, "Alone we can do so little; together we can do so much.", I wholeheartedly congratulate the editorial members for presenting this volume of "Prapti-2k17", the newsletter of Information Science & Engineering Department of Sahyadri College of Engineering & Management. The newsletter gives the glimpse of various achievements of students and faculty in curricular, co-curricular and extra-curricular activities. This newsletter will highlight the achievements of students and faculty across all the stakeholders and this in turn will motivate more numbers to participate and achieve.

Vision

To be a center of excellence in Information Science and Engineering through modern teaching pedagogy, innovation and incubation.

Mission

- Creating competitive ambience to enhance the innovative and experiential learning process through state-of-the-art infrastructure.
- Grooming young minds through industry-institute interactions to solve societal issues and inculcate affinity towards research and entrepreneurship.
- Promoting team work and leadership qualities through inter-disciplinary activities in diversified areas of Information Science and Engineering.

Editorial Board

Dr. Shamanth Rai
Associate Professor & HOD

Mr. Rithesh Pakkala P.
STAFF Coordinator

Ms. Shreya N Kottari
7th Sem

Ms. Deekshitha Chowta
5th Sem

Ms. GAUTHAMI P
5th sem

Ms. SAPNA KUMARI GOAD
5th sem

Ms. DEEKSHA
3rd Sem

Programme Educational Objectives (PEOs)

- Possess theoretical and practical knowledge to identify, scrutinize, formulate and solve challenging problems related to dynamically evolving information science.
- Inculcate core competency, professionalism and ethics to cater industrial needs and to solve societal problems.
- Engage in Lifelong learning and stay intact to the transformation in technologies and pursue research.

Programme Outcomes (POs)

- **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- **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.
- **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.
- **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.
- **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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 multidisciplinary environments.
- **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.

Programme Specific Outcomes (PSOs)

- Able to Exhibit competency and skills in distributed computing, information security, cyber security, data analytics and machine learning.
- Equip student with skills to provide sustainable solutions for implementing and testing information science projects.

Academic Results

2017-18		
ODD SEM		
SEM	Academic Batch	Pass Percentage
7	2014-17	98.15%
5	2015-19	84.95%
3	2016-20	87.50%
EVEN SEM		
SEM	Academic Batch	Pass Percentage
8	2014-17	98.20%
6	2015-19	93.55%
4	2016-20	88.39%

HOD of Information Science & Engineering Conferred with PhD from IIIT-Allahabad



Dr. Shamanth Rai, HOD, Information Science & Engineering was conferred with PhD from IIIT- Allahabad, on the 12th convocation held on September 9, 2017. He received his degree from Padma Bhushan Dr. Vijay Kumar Saraswat, renowned scientist and member of NITI Aayog. The other reputed dignitaries were Mr. Ravi Kant, CEO, Tata Motors and Prof. P. Nagabhushan, Director, IIIT-Allahabad.

STAISE INAUGURATION 2017-18



STAISE- Student's Technical Association of Information Science & Engineering was inaugurated by Mr. Sidharth Adyanthaya, Hardware Engineer, Qualcomm and alumni of Sahyadri. He addressed the students to build skills in aptitude, technical and domain expertise to excel in the career. He shared his experience of how he got through a reputed company such as Qualcomm. He motivated the students to work hard and build career. In the presidential address, Dr. Shamanth Rai, stressed the students to inculcate leadership qualities in them and stated that association is the arena to exhibit leadership and managerial skills.

CSR Activity

Information Science & Engineering Department organizes "STAISE-GO GREEN"

The Information Science & Engineering Department and STAISE, Student Association organized "STAISE-GO GREEN" event in the campus. "STAISE-GO GREEN" is an initiative to create awareness about conserving natural resources for future generations and creating healthy & pollution free environment. As a part of the awareness

programme, the faculty members and student volunteers planted trees & seed balls around Sahyadri campus. Mr. Devdas Hegde, Trustee supported the initiative. Mr. Naveen Pilar, Head of Art & Culture Department assisted the team in organizing this event.

ISE Dept & Sahyadri NSS unit jointly organized GO-GREEN at Govt. High School, Kumpala



The student association STAISE of department of Information Science & Engineering in association with NSS unit of Sahyadri organized "Go -GREEN" event at Government High School, Kumpala. This was initiated as a

part of Corporate Society Responsibility (CSR). On this occasion, trees were planted in the school campus. Head Master of the School, Mr. Vishwanath welcomed the representatives from Sahyadri. Dr. Shamanth Rai, Head of ISE Department addressed the students regarding saving the nature for the future generations. Ms. Jayapadmini Kanchan explained the students about organic seed balls and how to plant them. Every student of the school was distributed with seed balls which were supposed to be planted in their houses. Mr. Naveen Pilar, In charge of Sahyadri NSS Unit, Ms. Ramya B S, and Ms. Madhura Hegde, faculty of ISE department interacted with the school students.

Workshops/Technical Talk/Hackathon/FDP

Mozilla Club and ISE Department organize WEBVR workshop



Mozilla Club, Mangaluru in association with Department of Information Science and Engineering organized a Workshop on Web VR (Virtual Reality). Web VR is one of the events that are getting Mozillians excited all around the world and it helps in connecting with students at

universities all over. Tech speaker from Mozillian pool - Ms. Shaguftha Metwani conducted the workshop for the registered participants. The speaker used Firefox browser for Web VR demo and hands-on development using A Frame library.

Web VR camp in Mangaluru was a one day hands-on workshop. Over 230 students from various engineering colleges of Mangaluru participated in the workshop. At the end of the workshop, students developed applications on Virtual Reality and presented it. Based on the innovative ideas that students showcased, top 8 were awarded with Mozilla swags, VR headsets and Google Cardboards.

Department of Information Science & Engineering conducts workshop on “Art of Technical Writing”



Department of Information Science & Engineering organized a workshop on “Art of Technical Writing” for the

final year students. Dr. Shamanth Rai, HOD of Information Science & Engineering enlightened the students with importance of technical writing skills. The main areas covered during the workshop were Typesetting and report writing using LATEX, awareness on Plagiarism, awareness about SCI Indexed Journals, Tiered Conferences and also awareness about technical paper publishing. In the afternoon, hands-on session on the Latex tools, Jabref and so on were facilitated by the faculty of Department of Information Science and Engineering.

Juego Studio’s GAME JAM- An Gaming Hackathon



GAME JAM 2k18, 24 hour Hackathon was organized by department of ISE, in association with Juego Studio. The event was presided by Mr. Suman Balakrishna, CEO Juego Studio, Mr. Abhijith Shetty, VP – Delivery, Juego Studio and Dr. Shamanth Rai, HOD, Dept. Of ISE. The hackathon noticed many creative and innovative games being developed by



budding engineers. Hackathon had 3 themes for game development namely – Finish Line, Target and Color. Participants were free to choose theme of their choice for game development.

The Juego Studio team gave tips and advices to all the participants to excel in developing gaming applications.

Sahyadri Mozillians invited as Guests at AIET, Moodbidri



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Faculty attends an FDP on Cyber Security, IOT and Privacy issues in Blockchain technology held at MIT, Manipal



Prof. Naitik ST, Dept. of Information Science and Engineering attended a Faculty Development Programme on Cyber Security, IOT and Privacy issues in Blockchain technology organized by Information & Communication

Technology Department at MIT, Manipal. Dr. Rajan & Dr. Prashant Mishra were the resource persons who focussed on Emerging trends in Cyber security – the latest

advancements in the Cyber security, Challenges and thrust areas, IOT deployment challenges - issues with respect to deployment of devices in IOT environment, Privacy issues in Bitcoin and Blockchain technology – the latest trends in Cryptocurrency, process of Blockchain technology and challenges of transactions security.

The Juego Studio team gave tips and advices to all the participants to excel in developing gaming applications.



Sahyadrian recruited at SAP Labs India with a CTC of 10 LPA

Ravi Yadav from the Department of Information Science has been selected by SAP Labs India with a package of 10 LPA in the recently held Campus Recruitment Drive for the 2018 Engineering batch. He has also got an opportunity to pursue M. Tech in Software Engineering at BITS Pilani. SAP is at the centre of today's technology revolution. The market leader in enterprise application software, SAP helps organizations fight the damaging effects of complexity, generate new opportunities for innovation and growth, and stay ahead of the competition.

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Project Grants Received:

KSCST Grant:

- Project entitled "Hypocrisy Detection in E-transactions using Distributed Data Mining Techniques" received Rs. 3000 under the guidance of Mr. Rithesh Pakkala P and exhibited in the final round at BIT, Davangere.
- Project entitled "Multilevel Encryption for Cloud Storage" received Rs. 2000 under the guidance of Mrs. Deepti Rai.

VTU Grant:

- Project entitled "Hypocrisy Detection in E-transactions using Distributed Data Mining Techniques" received Rs. 5000 under the guidance of Mr. Rithesh Pakkala P.



- Project entitled "Gesture Recognition System" received Rs. 5000 under the guidance of Mr. Prakhyath Rai.

NPTEL Students Achievement 2017-18

The following students of Information Science and Engineering have cleared certification course through NPTEL Online Certification in the year 2017-18 (Funded by the Ministry of

HRD, Govt. of India), in "Programming, Data Structures and Algorithms Using C"

Sl. No.	Student Name	USN	Year	Course
1	B. Rachitha	4SF16IS025	Feb-Mar 2018	Programming, Data Structures and Algorithms Using C
2	Navya B.L	4SF16IS052	Feb-Mar 2018	Programming, Data Structures and Algorithms Using C
3	Srishti Suresh Kumar	4SF16IS102	Feb-Mar 2018	Programming, Data Structures and Algorithms Using C
4	Thanushree	4SF16IS111	Feb-Mar 2018	Programming, Data Structures and Algorithms Using C

ALUMNI INTERACTION



Ms. Vidhya Bhat (2012-2016), presently working at Mindtree interacted with the second year students. She discussed about how the life at Industry are. During interaction, she highlighted about the Mindtree recruitment process, challenges involved during Training and target achievement. She also mentioned about the importance of core subjects and mapped some of them to placement process and trainings.



Mr. Ghouse Khan (2012-2016), an entrepreneur interacted with the students of 3rd year. During interaction, he motivated the students to take up entrepreneurship and detailed about the process involved in becoming an entrepreneur. During interaction, the importance of projects and internships was highlighted.



Mr. Lenson (2012-2016), an alumni of the department, visited the campus and interacted with the pre-final year students. He shared his experience of becoming an entrepreneur and also gave brief insights about his start-up Axndx. He also stressed the importance and benefit of using modern technology in our daily works.

Valedictory Function of ISE Department Association STAISE



The Valedictory Ceremony of the Department of Information Science & Engineering (ISE), Association STAISE was held.

The Chief Guest of the event was Ms. Pragathi Nayak, Corporate Trainer, Clear Water Inc. She also happens to be the alumni of ISE. In her key note address she inspired the students to be entrepreneurs. She also stressed on the skill

sets such as good programming, communication etc. required to sustain in the job market. Dr. Shamanth Rai, HoD, ISE, read the Annual Report of the Department. Prizes were distributed for the various events organized by STAISE. Mrs. Ramya BS, Faculty Coordinator of STAISE, rendered the Vote of Thanks. The inauguration was followed by cultural events, where the students exhibited their talents.