



**SAHYADRI**  
COLLEGE OF ENGINEERING & MANAGEMENT  
An Autonomous Institution  
MANGALURU

ACADEMIC  
YEAR  
2020-21

# PRAPTI 2021

DEPARTMENT  
NEWSLETTER

INFORMATION  
SCIENCE & ENGINEERING

## 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

**Mrs. Madhura N Hegde**  
STAFF Coordinator

**Swasthik Shetty**  
7th Sem

**Vishnu Udaikar**  
7th Sem

**Adish**  
5th Sem

**Thrishala**  
5th Sem

**Mishal**  
3rd Sem

**Aruna**  
3rd Sem





## Programme Assessment Committee Meeting



The Programme Assessment Committee (PAC) Meeting of the department was conducted on 22nd March 2021 in a blended mode. Dr. Shamanth Rai, Assoc. Professor & Head,

presented the progress and action plans needed to be taken regarding the Information Science & Engineering programme. He also detailed the Student and Faculty performance, Placement statistics, Professional Elective, Open Elective subjects, AICTE 100 Points activity, and Action plans for upcoming even Semester were also discussed and deliberated in the meeting. The discussion also included many aspects like improvement in publication and research funding projects. Dr. Nalini Rebello, Dean-Academics, gave her feedback and valuable suggestions about various aspects discussed during the presentation.

## Top Performing Mentor Badge from NPTEL



Mr. Ganaraj K, Assistant Professor of the department was awarded a Mentorship Certificate for NPTEL Course on “The Joy of Computing - Using Python” with Top Performing Mentor Badge. The National Programme on Technology Enhanced Learning (NPTEL) was initiated by Seven Indian Institutes of

Technology along with the Indian Institute of Science, Bengaluru in the year 2003. The course “The Joy of Computing - Using Python” was offered by IIT Ropar. Mentoring concept was introduced recently and Mentorship certificate is awarded based on Mentees performance in the respective course.

## Orientation for 1st Year ISE Students



The orientation program for first-year students was

conducted on 10th April 2021. Dr. Shamanth Rai, Assoc. Professor & Head, gave the roadmap for the four years in the department. He stressed on the department verticals, project-based learning, technological changes and advancements, placement, and college training activities. He also asked the students to make use of the in-house industries and take part in entrepreneurial activities. Team building and Icebreaker activities along with IT and GK quiz was organized by the faculty members for the students.

## Webinar on Insights of Data Mining



The department in association with IEEE Student Branch - SCEM, STAISE and SAHYADRI-IIC organized a workshop on “Insights of Data Mining” on 20th July 2021. The resource person for the event

was Dr. Karthik S A, Asst. Professor, Dayananda Sagar Academy of Technology and Management, Bengaluru. Dr. Karthik spoke about the fundamental concepts of Data Mining. He explained about the various data mining techniques and its applications.

## Workshop on GitHub Project Management



The Department in association with IEEE Student Branch- SCEM, STAISE and SAHYADRI-IIC organized a workshop on “GitHub Project Management” on 12-07-2021. The resource person for the event was Mr. Swasthik Shetty and Mr.

Akashdeep, GitHub Campus Experts, SCEM Mangalore. The resource persons gave insights of GitHub and its role in project management. During the event the resource persons also demonstrated the procedure of uploading the project into GitHub and management process later on.

## Webinar on Next Gen Microprocessors



The IEEE Student Branch of Sahyadri with support of the department and IQAC organized a webinar on “Next Gen Microprocessors” on 5th June 2021. The resource person for the event was Mr. Siddharth Adyanthaya, Hardware Engineer, Qualcomm, Bengaluru. Mr. Siddharth spoke about earlier generation microprocessors like System on Board (SoB) to present trend System on Chip (SoC) transition along with its

various functionalities and performance. SoC is more powerful than the simple microprocessor. He also discussed the System-On-Chip design trends from IP integration to system Integration, its benefits, and various applications. He also mentioned various challenges in developing SoC and IPs in SoC. The webinar was concluded by giving the overview of the SoC verification process. More than One Hundred students of the ECE, ISE and CSE Departments participated in the event.

## Webinar on Importance of Software Testing



The Department in association with STAISE, SAHYADRI-IIC, and IEEE-MSS organized a webinar on “Importance of Software Testing” on 06-07-2021. The resource person for the webinar was Mr. Hemanth Kumar G, Associate Project Manager-Robert Bosch

Engineering and Business Solutions Pvt Ltd. The session was very insightful. He gave a brief explanation about the necessity of software testing, V-model, various testing approaches and discussed the automation testing tools used in industries. Around 70 participants were present.

## Orientation Program on Outcome Based Education and NBA Process



The department organized an orientation Program on Outcome Based Education and NBA Process for the newly joined faculties of the department in association with the IQAC cell of the institute. The session was handled by Mr. Ganaraj K, ISE Department NBA/NAAC Coordinator and Mrs. Madhura Hegde, Institute NBA Coordinator. Resource persons covered the overview of Outcome Based Education, its importance and benefits, Benefits of NBA accreditation and overall NBA Process.

## Webinar on Cyclic codes, Checksum & Career in Data Communication



The Department in association with IEEE Student Branch- SCEM, STAISE and SAHYADRI-IIC organized a webinar on “Cyclic codes, Checksum & Career in Data Communication” on 10/07/2021. The resource person for the event was Dr. Pavan Kumar, Assistant Professor Department of CSE Indian Institute

of Information Technology Dharwad. He spoke about the fundamental concepts of Cyclic codes and Checksum. He explained about Error Detection, Error Correction and decoding schemes.

He illustrated Cryptosystem and Authentication Protocol based on Coding theory. Around eighty students had participated in the webinar.

## Webinar on Mobile Application Development and its Applications



The department in association with IEEE Student Branch-SCEM, STAISE and SAHYADRI-IIC organized a Webinar on “Mobile Application Development and its Applications” on 12/06/2021. The resource person for the event was Mr. Rathan Sharma, Lead Engineer-RDA Labs, Bengaluru. Mr. Rathan Sharma spoke about the fundamental concepts of Mobile Application development and its importance in day to day activities. He also

discussed the various aspects regarding the different frameworks used for Android Application Development. Further, he also mentioned about the various challenges in developing the Mobile Apps with real time examples. At the end of the session, he answered the participants’ queries about placement opportunities with respect to mobile application development. A total of One Hundred students participated in the event.





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