Training and Placement Activities

- Communication and Soft-skills training during first year along with a light on universal Human values.
- Advanced Communication skills and Self-Management training during second year.
- Focus on Inter-personal and Aptitude cracking Skills during third year.
- Honing Interview skills, Group discussions, Business Etiquette's and Professional ethics during final year.
- Mock campus drive program for pre-final year students.

Paper Publications

[1] Arjun B C, H N Prakash, " Multimodal biometric recognition: fusion of modified adaptive bilinear interpolation data samples of face and signature using local binary pattern features ", **International Journal of Engineering and Advanced Technology (IJEAT)**, Vol. 9, no. 3, pp. 2249-8958, Feb. 2020, doi: 10.35940/ijeat.C6117.029320.

[2] Arjun B C, H N. Prakash, " Feature level fusion of seven neighbor bilinear interpolation data sets of finger vein and iris for multimodal biometric recognition ", **International Journal of Advanced Trends in Computer Science and Engineering**, vol. 9, no.2, 2020, doi: 10.30534/ijatcse/2020/95922020.

Engineering Adaptations in the COVID-19 Era

The COVID-19 pandemic, a unique challenge for the engineering community, prompted unprecedented adjustments in our approach to education and research. Remote work became the norm, demanding a rapid embrace of digital tools to ensure continuity in our academic endeavors.

Laboratories, once vibrant hubs of experimentation, faced closures, pushing us to rethink traditional research methodologies. Virtual collaboration tools became indispensable, fostering innovative ways to exchange ideas and progress projects.

The pandemic also underscored the significance of technological resilience. The rapid development of vaccines, a testament to global scientific collaboration, demonstrated the impact of engineering advancements on public health. As we cautiously transition back to in-person activities, the lessons learned from these adaptations will undoubtedly shape the future of engineering education and research.

The COVID-19 era has not only tested our professional versatility but also highlighted the pivotal role engineers play in addressing global challenges. Through these turbulent times, the engineering community has exemplified adaptability, innovation, and the unwavering commitment to advancing knowledge even in the face of unprecedented obstacles.

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InfoSci Insights
Department of Information Science and Engineering

DEPARTMENT NEWSLETTER
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MESSAGE FROM THE DESK

As we reflect on the extraordinary year that has been 2020, I want to take a moment to acknowledge the challenges we faced, the resilience we displayed, and the remarkable accomplishments we achieved during this unprecedented period. The COVID-19 pandemic brought about a global crisis that tested our mettle, but it also highlighted our ability to adapt, innovate, and thrive even in the face of adversity.

The year 2020 will be remembered as a time when the world faced an unparalleled health crisis. Our institution, too, had to confront the challenges posed by the COVID-19 pandemic. However, it was through collective determination, unwavering dedication, and the spirit of unity that we were able to persevere and continue our academic mission.

When the pandemic necessitated lockdowns and social distancing, we swiftly transitioned our academic activities to digital platforms.

Mr. Arjun B.C *B.E, M.Tech.*
Head of the Department, ISE

When the pandemic necessitated lockdowns and social distancing, we swiftly transitioned our academic activities to digital platforms. Tools like Zoom and Google Meet became our virtual classrooms, allowing us to seamlessly conduct live online classes. This transition was a testament to our commitment to providing uninterrupted education to our students.

We adapted our assessment methods to the online environment, conducting quizzes and internal evaluations remotely. The dedication of our faculty and students ensured that the learning process continued unabated, even in these challenging circumstances.

Assignments were collected through email submissions, and recorded class videos were shared to facilitate continuous learning. This ensured that our students had access to the resources they needed to excel in their studies.

Even in a virtual setting, we maintained the tradition of project demonstrations and seminars. Thanks to digital platforms, students were able to showcase their projects and participate in seminars, fostering their academic and research growth.

We leveraged our website to share valuable resources with our students. This digital repository became a valuable asset for both faculty and students to access essential materials and information.

Amidst the challenges of the pandemic, our faculty members continued to excel. They not only adapted to the new teaching environment but also managed to publish research papers in prestigious international journals. This is a testament to their dedication and the quality of research being conducted at our institution.

As we bid farewell to 2020 and look forward to the possibilities of the new year, let us carry forward the lessons learned during this exceptional period. Our resilience, adaptability, and commitment to academic excellence have shone brightly, and they will continue to guide us as we face the future with confidence.

VISION

To be a center of excellence in Information Science and Engineering education by creating competent professionals to deal with real-world challenges in the industry, research and society.

MISSION

- To empower students to become competent professionals, strong in the basics of Information science and engineering through experiential learning.
- To strengthen the education and research ecosystem by inculcating ethical principles, and facilitating interaction with premier institutes and industries around the world.
- Promote innovation and entrepreneurship to fulfill the needs of society and industry.

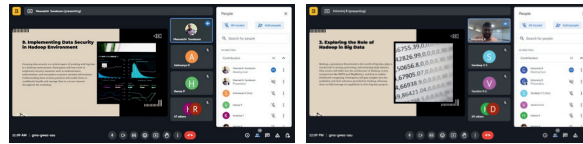## PSO *(Program Specific Outcomes)*

- Analyse and develop software applications by applying skills in the field of coding languages, algorithms, operating systems, database management, web design and data analytics.
- Apply knowledge of computational theory, system design and computer network concepts for building networking and internet-based applications.

PEO *(Program Educational Objectives)*

- Analyse, design and implement solutions to real-world problems in the field of Information Science and Engineering with a multidisciplinary setup.
- Pursue higher studies with a strong knowledge of basic concepts and skills in Information Technology disciplines.
- Adapt to emerging technologies towards continuous learning with ethical values, good communication skills, leadership qualities and self-learning abilities.

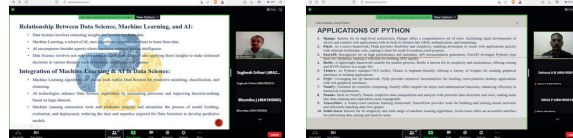## Academic Activities

Workshop on "Big Data-Hadoop"

Workshop on **"Big Data-Hadoop"** Was organized by the Department of Information Science and Engineering from 18/11/2020 to 19/11/2020. The main objective of the "Big Data - Hadoop"was to help students understand how the various components of the Hadoop ecosystem fit into the Big Data processing life cycle. The Workshop aim is to teach students how to use Hadoop for Big Data to explore Spark applications, parallel processing, and functional programming.

Resource Persons:
- **Dr B Meenatchi Sundaram**, Professor, New Horizon College of engineering, Bangalore.
- **Geluvaraj B**, Assistant professor, New Horizon College of engineering, Bangalore.
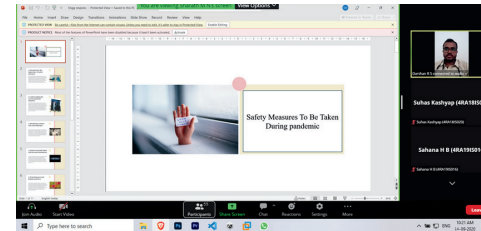
Workshop on "Data Analytics Using Python"

Two days workshop on **"Data Analytics Using Python"** was organized by the Department of Information Science and Engineering from 08/10/2020 to 09/10/2020. Course Objectives were To explore the power and simplicity of python & data science, To expose the learners to the skills required to tackle and solve complex real-world data science problems more sensibly and effectively, The workshop aims to equip you with essential skills in decision science using Python, The course will focus on Python and how to achieve the results with Python, It is expected the participants have some background in basic statistics.

Resource Persons:
- **Dr. Aravinda C.V,** Associate professor, NITTE University, Mangalore.
- **Dr. Suresha D,** Associate professor, Canara College, Mangalore.

Awareness program on "Safety measures to be taken during pandemic"

One-day awareness program on **"SAFETY MEASURES TO BE TAKEN DURING PANDEMIC"**, was organized by the Department of Information Science and Engineering on 14-09-2020. Program objective was to create awareness and educate the department students, faculty, staff regarding the **SAFETY MEASURES TO BE TAKEN DURING PANDEMIC**, preventive intervention techniques that would help in reducing the transmission of the disease.

NSS and Red Cross Events

NSS is an extension dimension to the higher education system to orient the student youth to community service while they are studying in educational institutions. NSS encourages students to become socially responsible citizens and helps them realize and experience the joy of selfless service to the community.

'Mathrubhasha Day' Program organized on 20-02-2020 in RIT Seminar Hall

Cleaning program organized for our NSS Students on 07-03-2020 in Sathyamanagala lake, Hassan.

PLACEMENTS

Companies	No of students placed
PAYGIFT	1
7.ai	1
SUBEX	1
Teksystem Globl	1
Qspider	1
Destination Technologies	1
KodNest Technologies	1