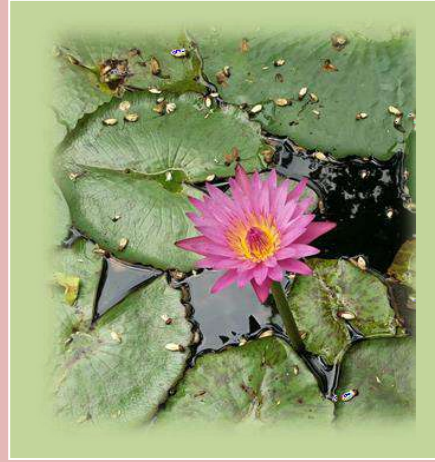# ಸಂಗಣಕ ಪಟ

Sanganaka Pata

Newsletter

JULY 2020 - DEC 2020

Vol. 3 Issue 1

Department of Computer Science & Engineering

Don Bosco Institute of Technology

Mysore Road, Kumbalagodu, Bengaluru – 560 074

Sanganaka

Pata

Vision

To become center of excellence for educating students in Computer Science and Engineering, and enabling them to become successful and socially responsible future software professionals.
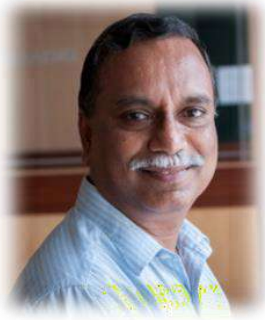
Mission

M1: To impart knowledge that builds software skills with logical and structured thinking.

M2: To provide both formal and informal learning environments to become globally competitive software professionals.

M3: To motivate towards becoming a quick learner, good team player, acquire leadership skills with excellent communication, time and task management.

M4: To inculcate professional ethics and concern for the environment for the benefits of society.

HOD's Message

Prof. B. S. Umashankar
Professor & Head
Department of Computer Science & Engineering

The proud achievements of our staff and students during the odd semester 2020-21, amidst potentially one of the greatest pandemic threats in lifetime to education is presented.

With the transition to online classes, the education domain has seen a remarkable evolution during this pandemic. Even though online education has helped in keeping the learning show going on, it has posed several challenges.

DBIT had introduced video recording of class-room lectures in 2017 itself and this experience greatly helped faculty and students in quick transition to online classes. Our faculty members went the extra mile to adopt technology to reach the homes of every student.

Faculty members have an important role to play in the nation's growth by adapting to new technologies. The future learning will be hybrid and student-centric. Several initiatives have been taken towards the required digital transformation.

Our Department of Computer Science & Engineering continues to encourage Project-based learning with Research focus.

Students' Achievements

- Shubham Dangi. 6th Sem B.E. (CSE) is selected has Beta Student Ambassador, in recognition of his hard work and dedication. Microsoft Learn Student Ambassadors Programme is a technology leadership program by Microsoft through which students learn the skills to enrich tech communities at their campus.

- Sandesh Tiwari S, 6th Sem B.E. (CSE) was 2nd RUNNER UP of VMware Tanzu Build-A-Thon Event, Organized by Smartinternz and Sponsored by VMware IT Academy. Won a cash prize of Rs. 25,000/-

- Yasha Srinivas, 8th Sem B.E. (CSE) won 1st prize in Online Speech Competition about "World Environment Day" organized by Government first grade College on 12 OCT 2020
- More than 50 students have completed online courses from NPTEL, Coursera, Udemy, PentesterLab, Sololearn, etc. in the latest computer science topics

Faculty Achievements

Publications

- Dr. P. S. Ashok Kumar, 2020 "*Assistive Aid for Visually Impaired People*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN : 1876-1100.
- Dr Bhaskar R, 2020 "*Crop Yield Prediction with Efficient Use of Fertilizers*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.
- Dr. G. R. Thippeswamy, 2020 "*Autorun-Automated Vending Machine*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Dr Venugeetha Y, 2020 "*Breast Cancer Prediction and Trail Using Machine Learning and Image Processing*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Dr. Ashok Kumar PS, 2020 "*Analysis and Forecast of Heart syndrome by Intelligent Retrieval Approach*" Springer Nature Singapore Pte Ltd. 2020, Intelligent Computing and Innovation on Data Science.

- Dr. Manjunath swamy B E, 2020 "*A Comparative Study of Melanoma Skin Cancer Detection in Traditional and Current Image Processing Techniques*" International E-Conference on Advances in Informational Technology, Business Management and e-Commerce. Published in IEEE Digital Transaction.

- Dr. Manjunathswamy B E, 2020 "*NLP based Stemming and Lemmatization approaches for Multilingual Search Indexing*", International Journal of Advanced Science and Technology, Vol. 29, No. 6, pp. ISSN 9121 – 9134.

- Dr. Manjunathswamy B E, 2020 "*Advancing Morphological Analyzer for Kannada Using NLP and Machine Learning Approaches*", International Journal of Advanced Science and Technology, Vol. 29, No. 6, pp. ISSN 9135 – 9148.

- Dr. Manjunathswamy B E, 2020 "*A Comparative Study on a Privacy Protection in Personalized Web search*" International E-Conference on Challenges and Opportunities in Renewable Energy, Smart Systems and EMobility (Iccorse-2020). Materials Today: Proceedings - SCOPUS Indexed Journal of Critical Reviews (JCR), ISSN: 2394-5125.

- Dr. Venugeetha Y, 2020 "*Fashion Recommendation System using CNN*" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X.

- Mrs. Hemalatha M, 2020 "*Handwritten text pattern recognition*" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X.

- Mrs. Hemalatha M, 2020 "*Face Recognition Attendance System*" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X.

- Mrs. Nayana D. V, 2020 "*Chatbot enabled college management system*" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X.

- Mrs. Nayana D. V, 2020 "*IoT based air and sound pollution monitoring system*", International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X

- Mr. Ranjeet Kumar, 2020 "*Rainfall prediction – A deep learning approach*", International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X

- Mrs. Thaseen Taj, 2020 "*Hand gesture control used for automating human activities*", International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454- 132X.

- Mrs. Komala D, 2020 "*Enhanced and Verifiable Keyword Search over Encrypted Data*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Mr. Naveen N, 2020 "*Camouflage Technique Based Multi-Functional Army Robot*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Mrs. Rohini B R, 2020 "*An Approach Towards E-Commerce for Agriculture with Modern Technologies*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Mr. Santosh Kumar G, 2020 "*Classification and Identification of Dog Breed Using CNN*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

- Mrs. Shruthi G, 2020 "*Empowering Integrity Auditing Based on Identity and Information Sharing for Secure Cloud Storage Using Delicate Data Concealment*", Proceedings of the 2nd International Conference on Data Science, Machine Learning and Applications, Springer, ISSN: 1876-1100.

Workshop/FDP Attended

- Dr. Ashok Kumar P S. attended 5 days FDP on "*Data Science and Docker Technology* "organized by Department of Computer Science and Engineering, ACS College of Engineering from 29 June 2020 to 3 July 2020.
- Mr. Naveen N. attended 3 days webinar on "Knowledge Discovery Quiz in Computer Science" organized by Department of Computer Science and Engineering from 06 July 2020 to 08 July 2020.
- Mrs. Sheeba S. attended 4 Day online Faculty Department program on "*Python programming-KL Deemed University*" organized by Department of Computer Science and Technology KLED, Hyderabad from 15 July 2020 to 18 July 2020.
- Dr. Ashok Kumar P S. attended 5 days online FDP on "*Deep learning and natural language processing using modern tools*" organized by the Department of Computer Science and Engineering from 21 July 2020 to 25 July 2020.
- Dr. Ashok Kumar P S. attended Two-week FDP on "*R Language & RStudio*" organized by Cambridge Institute of Technology, Bangalore from 22 July 2020 to 5 Aug 2020.
- Dr. Venugeetha Y. attended 5 days FDP on "*Cyber Security*" organized by ATAL from 3 Aug 2020 to 7 Aug 2020.
- Dr. Ashok Kumar P S. attended 6 days Online Short-term Training program on "*ML for societal Applications*" organized by P.A. College of Engineering, Mangalore from 24 Aug 2020 to 29 Aug 2020.
- Dr. Venugeetha Y. attended 5 days FDP on "*Blockchain and its applications*" organized by Rajasthan Technical University, Kota and Poornima Institute of Engineering & Technology, Jaipur from 15 Sep 2020 to 19 Sep 2020.
- Dr. Ashok Kumar P S. attended Six-day short term training program on under AICTE-AQIS on "*Artificial Intelligent 5G communication Technology*" organized by Poornima College of Engineering, Jaipur from 26 Oct 2020 to 31 Oct 2020.
- Dr. Ashok Kumar P S. and Mrs. Sumathi M. attended 5 days ATAL FDP on "*Machine Learning and deep Learning for video analytics*" organized by All India Council for Technical Education (AICTE) 02 Nov 2020 to 06 Nov 2020.
- Dr. Ashok Kumar P S. attended online FDP on "*Data Sciences*" organized by ATAL from02 Nov 2020 to 06 Nov 2020.
- Dr. Venugeetha Y. attended 5 days ATAL FDP on "*High Performance Computing Using Parallel, Distributed & Cloud Computing*" organized by ATAL from 02 Nov 2020 to 06 Nov 2020.
- Dr. Ashok Kumar P S. and Mrs. Shruthi G. attended 6 days short term training program on "*intellectual property rights for engineers and scientists*" by AICTE, New Delhi under AQIS Sponsored from 09 Nov 2020 to 14 Nov 2020.
- Mrs. Sheeba S. participated and completed AICTE Training and learning Academy Online Elementary FDP on "*Online FDP -Internet of Things*" organized by ATAL Academy from 23 Nov 2020 to 27 Nov 2020
- Mrs. Sumathi M. attended 5 days ATAL FDP on" *Data science and Machine Learning*" organized by All India Council for Technical Education (AICTE) from 17 Nov 2020 to 21 Nov 2020.
- Dr. Ashok Kumar P S. attended 6 days short term training program on "*intellectual property rights for engineers and scientists*" Phase 2 organized by CMRIT from 23 Nov 2020 to 28 Nov 2020.
- Mrs. Sumathi M. attended 5 days Faculty Development Program- "*Data science and Analytics*" organized by All India Council for Technical Education (AICTE) from 30 Nov 2020 to 4 Dec 2020.
- Dr. Ashok Kumar P S. attended 6 days orientation/Refresher Programme on "*Feature Analysis Using AI/ML*" organized by SKCET, Tamil Nadu from 7 Dec 2020 to 12 Dec 2020.

- Mrs. Nayana D V. attended and completed AICTE Training and learning Academy Online Elementary FDP on "*Online FDP on Block chain*" from at Amity University organized by ATAL Academy from 7 Dec 2020 to 11 Dec 2020.
- Mrs. Sumathi M. attended 5-day ATAL FDP on "*Data science*" organized by All India Council for Technical Education (AICTE) from 14 Dec 2020 to 18 Dec 2020.
- Dr. Ashok Kumar P S. attended 6 days AICTE sponsored STTP Phase-III organized by CMRIT from 14 Dec 2020 to 19 Dec 2020.

Certification

- Mrs. Rohini B.R. successfully completed NPTEL Online Certification on "*Body Language: Key to professional success*" from Sep-Oct 2020.
- Mrs. Navya C N. successfully completed NPTEL Online Certification on "*software Testing*" from Sept 2020- Oct 2020.
- Mrs. Sheeba S. successfully completed NPTEL Online Certification on "*Introduction to Internet of things*" from Sept 2020- Dec 2020.

Awards
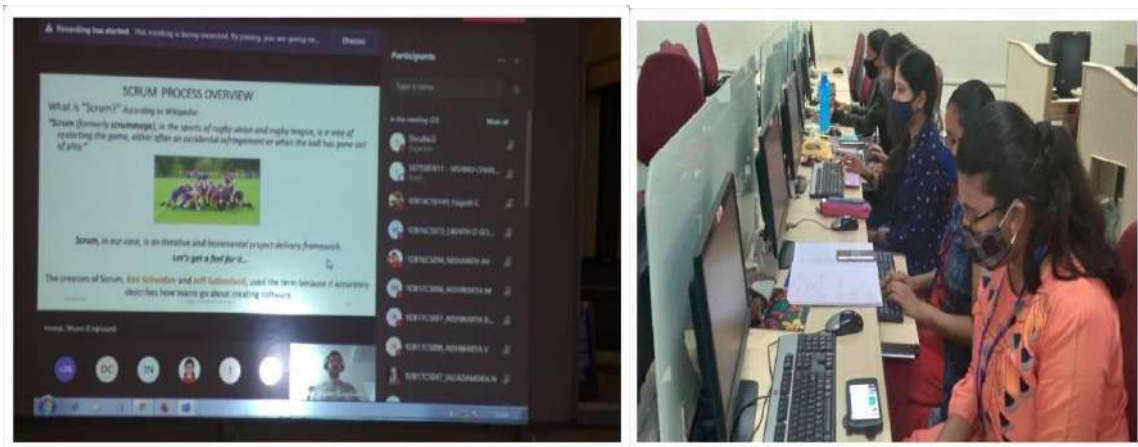
- Dr. Manjunathswamy B E. won Best paper award for the paper titled "*A Comparative Study of Melanoma Skin Cancer Detection in Traditional and Current Image Processing Techniques*" awarded by International E-Conference on Advances in Informational Technology, Business Management and e-Commerce which was held at 4th & 5th July 2020.

Workshop /Webinar

- One day workshop on *"Innovation in Industry 4.0 – Success and Failures"* was organized by Department of Research & Development and Department of Computer Science & Engineering, Don Bosco Institute of Technology in association with Institution innovation Council and Netalla innovation private limited Held at SH2, DBIT, Bengaluru on 29th Dec 2020 at 11:30 AM. The Resource person *Mr. Vinay M Harista Technical Director, Vtricks Technologies, Bangalore*., Objective of the Program is Create awareness about the Fourth Industrial Revolution. Faculty members and students were highly motivated by this program and were willing to come up with innovation in their day-to-day activity.
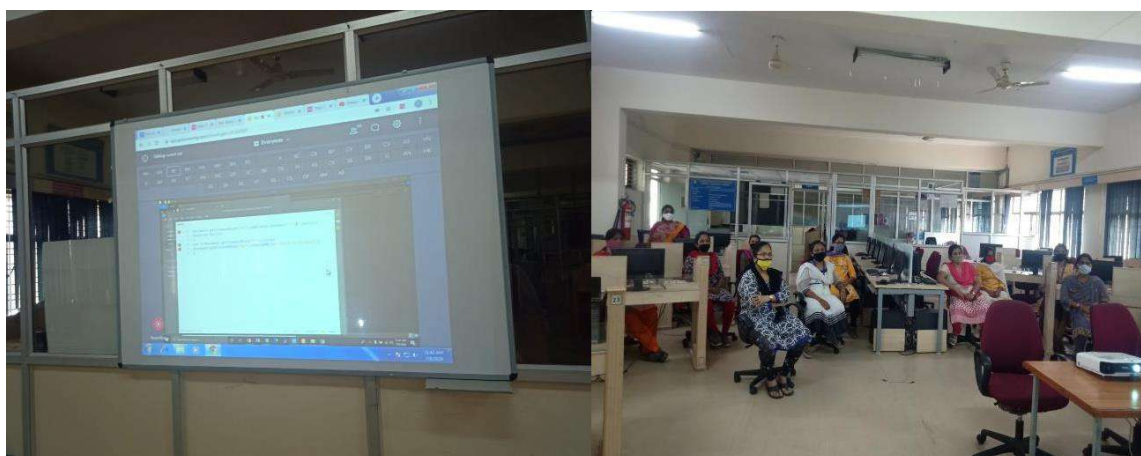
- A Five Days webinar on "*Agile, Scrum and Kanban Technologies*" was conducted by the Department of Computer Science & Engineering, Don Bosco Institute of Technology, from 17th to 22nd December 2020. The Speaker *Mr. Shyam Prasad Innanje Agilist – Cognizant Technology Solutions, U.S. Corp*, raised awareness in the minds of participants as to the benefits, mindset, skills, and characteristics of an agile leader.

The aim of the webinar is to promotes a disciplined project management process, which encourages frequent inspection, adaptation on leadership philosophy towards encouragement within a team. Based on this webinar participant will get self-realization as well as accountability on best practices in engineering, intended to allow for rapid delivery of high-quality project deliveries to students.

- A Webinar on "*Cloud Computing What You Need to Know Before Entering Industry*" was conducted by the Department of Computer Science & Engineering, Don Bosco Institute of Technology in association with CSE Alumni Chapter- Gunasnataka, on 4th Aug -2020 at 10:30 AM. The Resource person *Mr. Dheemanth R - CTO, Discover Dollar & Co-Founder of WizionX, Bengaluru*, Empowered students with their speech. The aim of this webinar is to knowledge students about existence and success to the availability of Cloud platforms as a technology. They are built and scaled to large companies with the help of cutting-edge technologies offered on the Cloud which makes their life easy and enables them to focus on business rather than overheads. The Webinar was attended by in-house students From Various Department.

- A Webinar on "*Cross Platform Mobile Application Development*" was conducted by the Department of Computer Science & Engineering, Don Bosco Institute of Technology in association with EdGate Technologies Pvt Ltd on 8th July 2020 at 11:00 AM. The Resource person *Mr. Manish Kumar Singh, Business Head, ATS Learning Solutions Bengaluru*, from this webinar students will be benefited with the knowledge of how to do the certification on the specified technologies. The planning of the certification on the emerging technologies can be done in this pandemic situation of Covid-19. There are many opportunities for the studentsto do their choice and also idea about certification.

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