Inspire zone

April 2021

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.
- To encourage student community to develop aptitude to innovate and inculcate enterprising qualities of job creators.
- To 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
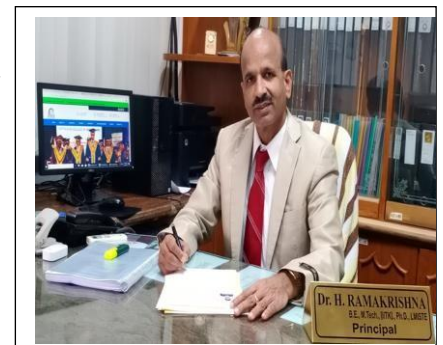

Executive Director: Sri G. D Manoj

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 April 2020 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.

FACULTY ARTICLE

ಹುಚ್ಚು ಮನಸಿನ ಆಲೋಚನೆಗಳು

ನಮ್ಮಮ್ಮ ಯಾವಾಗಲೂ ಹೇಳೋರು, ಮದುವೆ ಆದ್ಮೇಲೆ ನಾನು ನನ್ನ ಗೆಳತಿಯರನ್ನು ಭೇಟಿ ಆಗ್ಲಿಲ್ಲ ಹಾಗೆ ಅವ್ರ ಜೊತೆಗಿನ ನನ್ನ ಎಲ್ಲ ಸಂಪರ್ಕನು ಕಳೆದು ಹೋಯ್ತು ಅಂತ. ಅದಕ್ಕೆ ನಾನು ನಿಮ್ ಕಾಲದಲ್ಲಿ ಫೋನ್, ಸೋಷಿಯಲ್ ಮೀಡಿಯಾ ಯಾವುದು ಇರಲಿಲ್ಲ. ನಾನ್ ಹಾಗಲಪ್ಪ ನಾನ್ ಮದುವೆ ಆದ್ರೂ ನಾನ್ ಫ್ರೆಂಡ್ಸ್ ಬಿಡಲ್ಲ. ಆವಾಗವಾಗ ಗೆಟ್ಟುಗೆದರ್ ಮಾಡೆ ಮಾಡ್ತೇವಿ ನೋಡ್ತಾ ಇರು ಅಂತಿದ್ದೆ. ನಿಮ್ಮೊತ್ತ ನಾನ್ ಮದುವೆ ಆದ್ಮೇಲೆ ಗೆಟ್ಟುಗೆದರ್ ಇಲ್ಲ ಫೋನ್ ನಲ್ಲೂ ಮಾತಾಡಿಲ್ಲ ಸೋಷಿಯಲ್ ಮೀಡಿಯಾ ದಲ್ಲೂ ಚಾಟ್ ಮಾಡಿಲ್ಲ. ಈ ವಿಷಯ ಇದುವರೆಗೂ ಅಮ್ಮನಿಗೆ ಗೊತ್ತಿಲ್ಲ😛 ಎಲ್ಲ ಹುಡುಗಿಯರೂ ಹೀಗೇನಾ ಅಥವಾ ????

- Chaithra B M

Your**Q**uote.in

PROF. CHAITHRA B M

"ಕ್ಷಿತಿಜ"

ಹೀಗೊಂದು ಹೆಸರೇ!??

ಒಂದೂರು! ಅಲ್ಲಿ ಬರೀ ಜನರೇ..
ಹಸಿರ ಉಸಿರು ಅಲ್ಲಿ ಬರೀ ಹೆಸರೇ..

ಸಾಧಿಸೇ ತನ್ನಿಂದಲೇ ಎಂಬುವರು..
ಕೆಡುಕಿಗೆಲ್ಲ ನಿನ್ನ ಕಳೆಬರಹದಿಂದ ಎಂಬುವರು ..
ಹೆಣ್ಣೆಂದು ಬೇದ ತೋರುವವರೇ..
ಕಲಿತು ಕಲೆ ನರರಿಹರೆ..

ಕುಳಿತರೂ ಗಳಿಸಿದರು ಮೂದಲಿಸುವವರೇ..
ಮನೆ ಮಕ್ಕಳು ನಿನ್ನ ಕಾಯುವರೆ..
ನೀನೇ ಹೇಳು ಮನೋಹರೆ..

ನಿತ್ಯ ನಿನ್ನ ನಮಿಪರು ತನುಜಾತೆ ವಸುಂದರೆ..
ಏನೆಂದರೂ ನಿನ್ನ ಭಾಯೆ ರಘುರಾಮರೇ..

ಸ್ತ್ರೀ ಕುಲಭೂಷಣ ನೀ ಲೋಕಮಾತೆ..ಜೀವನದಾತೆ...
ಸೀತಾಮಾತೆ. ಹೀಗೆಂದೇ ನಿನ್ನ ಹೆಸರೇ??
-"ಬಿಂಬ"
PROF. PRIYANKA M R

ದೇವರು ಸೃಷ್ಟಿಸಿರೋ ಸೃಷ್ಟಿಯಲಿ ನಿನೋಂದು
ಅದ್ಭುತ ಸೃಷ್ಟಿ...
ಆ ಸೃಷ್ಟಿಯ ನೂರಾರು ಪ್ರೀತಿಯ ಕ್ಷಣಗಳನ್ನು
ಸೃಷ್ಟಿಸುವಂತಾಗಲಿ, ಆ ಸೃಷ್ಟಿಯಲಿ
ನನ್ನದೊಂದು ಪಾಲಿರಲಿ..
ಆ ಸೃಷ್ಟಿಯೇ ನೀನು ಈ ಸೃಷ್ಟಿಯಲಿ ನಾನು.

Chaitanya V

PROF. CHAITANYA V

ACHIEVEMENTS

❖ **Prof. Prerana Chaithra**

Patent Details:

Prof. Prerana Chaithra received **Patent** for **"Smart Wireless Charging System for IoT Devices in Home Automation"** on 07/05/2021.

Resource Person for Webinar:

Prof. Prerana Chaithra was the **Speaker** for the **National Webinar** on **"Adapting to Technologies in the field of Education in Future"** conducted by Basaveshwara College, Bengaluru on 12/08/2020.

Events Organized

Funded Projects:

Prof. Prerana Chaithra and team received 44th Series project sponsorship for the project **"Monitoring and Controlling Air Pollution to Prevent the Spread of Covid-19"** funded by KSCST.

1. Prof. Prerana Chaithra organised Technical Webinar on **"Cyber Security and its Role in 21st century"** by Mr. Manoj Kashyap, Founder EthicalByte for ISE students on 5/6/2021.
2. Prof. Prerana Chaithra organised Webinar on **"Gender Sensitization during Pandemic to bring Equality by creating Achievers"** by Mr. Suresh H, Omega Healthcare for Phase-2 Induction program on 11/5/2021.
3. Prof. Prerana Chaithra organised Alumni talk on **"SAP Basis Administration and SAP Fiori"** by Mr. Aishwarya Trivedi, SAP Labs, India for ISE students on 26/6/2021.

Prof. Chaitanya V, ISE has won First place in throwball in Fresher's Championship organised in Sapthagiri college of Engineering

FACULTY PUBLICATIONS

Papers published in International Journals

1. Dr. H R Ranganatha, "Review of privacy preserving methods in cloud computing", IJFGCN, 2233-7857
2. Dr. Asha P N **"Evaluation of Supervised Machine Learning Algorithms for Intrusion Detection in Wireless Network using KDDCUP'99 and NSLKDD datasets"** International Journal of Advanced Science and Technology Vol. 29, No. 3, (2020), pp. 15037 – 15052
3. Prerana Chaithra, **"Machine Learning Technique for Identifying Ambiguities of in Software Requirements",** Turkish Journal of Computer and Mathematics Education(**TURCOMAT**), Vol.12, No. 11, 2021, pp 6852-6857
4. Prerana Chaithra, "**Eco Friendly Green Cloud Computing",** International Journal of Innovative Research in Science, Engineering and Technology **(IJIRSET),** 2021 Impact Factor 7.512
5. Prerana Chaithra, "**Role of IoT in Health Care System",** International Journal of Innovative Research in Science, Engineering and Technology **(IJIRSET**), 2021 Impact Factor 7.512

Papers presented in International Conference

1. Dr.H R Ranganatha, **"FIRE AND GAS ACCIDENT AVOIDER SYSTEM USING ARDUINO IDE AND GSM MODULE"** in ICGCP 2020-21 at SCE, Bengaluru on 16/7/2021
2. Dr. Asha P N, **"Security Protocol for Transmitting data in Wireless Sensor Networks"** in ICGCP 2020-21 at SCE, Bengaluru on 16/7/2021
3. Prerana Chaithra, **"Internet of Things- A Hope for Health Care System"** in ICGCP—2021 at SCE, Bengaluru on 17/7/2021
4. Prerana Chaithra, **"IoT Based System for Monitoring and Controlling Air Pollution"** in ICGCP—2021 at SCE, Bengaluru on 17/7/2021
5. Prof. Sudarsanan D, **"IOT Based Air Pollution & Sound Pollution Monitoring System"** in ICGCP—2021 at SCE, Bengaluru on 17/7/2021
6. Prof. Gayathri R, **"Visual cryptography for color Images and its implementation"** in ICGCP—2021 at SCE, Bengaluru on 17/7/2021
7. Prof. Ramya R, **"Framework For Stock Price Prediction Based On Morphological Similarity Clustering And Hierarchical Temporal Memory"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
8. Prof. Sowmya Somanath, **"Security challenges and issues in Iot:A Survey"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
9. Prof. Praneetha G N, **"Prediction and forcast of covid 19 out break in India based on enhanced epidemiological model"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
10. Prof. Chaithra B M, **"Handwritten Equation Solver Using CNN"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
11. Prof. Chaitanya V, **"Secure and optimal performance for data in cloud by fragmentation"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021

12. Prof. Ashwini A N, **"An Efficient Underwater WSN as Distributed Database Network implementing for Structured Distributed Storage and extractions"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
13. Prof. Lakshmi Viswanath, "A SURVEY ON INTERNET OF THINGS (IOT) SECURITY THREATS" in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
14. Prof. Priyanka M R, **"Aadhaar Identity Processing using Integrated Model"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021
15. Prof. Veena Dhavalgi, **"Predicting Deep Solar System Coverage"** in ICGCP—2021 at SCE, Bengaluru on 16/7/2021

FDP Attended By Faculty

1. Prof. Sowmya Somanath attended 5 days online FDP on **"IOT Applications"** organized by Department of Computer science and Engineering, S.C.E on 22/2/2021.
2. Prof. Sowmya Somanath attended 5 days online FDP on **"Applications of Artificial Intelligence and Machine Learning"** organized by Reva University, Bengaluru on 14/5/2021.
3. Prof. Sowmya Somanath attended 3 days online FDP on **"Industry 4.0"** organized by Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik on 22/5/2021.
4. Prof. Chaithra B M attended 3 days online Workshop on **"Cyber Security"** organized by Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik on 17/5/2021.
5. Prof. Chaithra B M attended 5 days online FDP on **"IOT Applications"** organized by Department of Computer science and Engineering, S.C.E on 22/2/2021.
6. Prof. Chaithra B M attended 3 days online FDP on **"Industry 4.0"** organized by Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik on 22/5/2021.
7. Prof. Chaitanya V attended 5 days online FDP on **"IOT Applications"** organized by Department of Computer science and Engineering, S.C.E on 22/2/2021.
8. Prof. Priyanka M R attended 5 days online FDP on **"IOT Applications"** organized by Department of Computer science and Engineering, S.C.E on 22/2/2021.
9. Prof. Veena Dhavalagi attended 3 days Offline FDP on **"National Level FDP on Mobile Application Development"** organized by Dayanand Sagar Academy of Technology and Mangement on 22/3/2021.
10. Prof. Ramya R attended 3 days online Workshop on **"Cyber Security"** organized by Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik on 17/5/2021

STUDENTS CORNER

COVID CRISIS

Our surrounding has changed a lot from past few months!

To-do lists, schedules, forecasts, deadlines. Human beings are perpetual planners. Before Corona virus upended our world, we rushed and ranted daily, so as not to fall behind our interminable schedules. To meet the dreaded deadlines. To stay ahead of the curve. To ensure we moved forward in the rat race. And then as various Governments imposed lockdowns across the globe, life came to a halt.

Most of us are locked in our homes, holed up with family members for durations longer than we used to. Even though we work or study from home the busy-ness that envelopes in our lives is ceased. We can see traffic free roads everywhere in Bangalore and other places too which has led to a drastic decrease in pollution!

People started wearing mask, gloves, using sanitizers to protect themselves from the virus.

Social distancing has changed everything... people are scared even for a handshake!

It might take days/months/ years for everything/ everyone to get back to normal lifestyle. Our new routines are unfamiliar to us. But still we are getting used to it day by day! Even though malls, outlets, temples etc are open with all safety measures.. people are staying safe at home and visit places only if it's necessary.

Since we are still in search and it might take time for proper medicine/ vaccine, we need to follow the basic measures the Government has declared to be safe and to keep others safe.

Stay home, Stay safe so that not only us, but also we can even protect our family and friends!

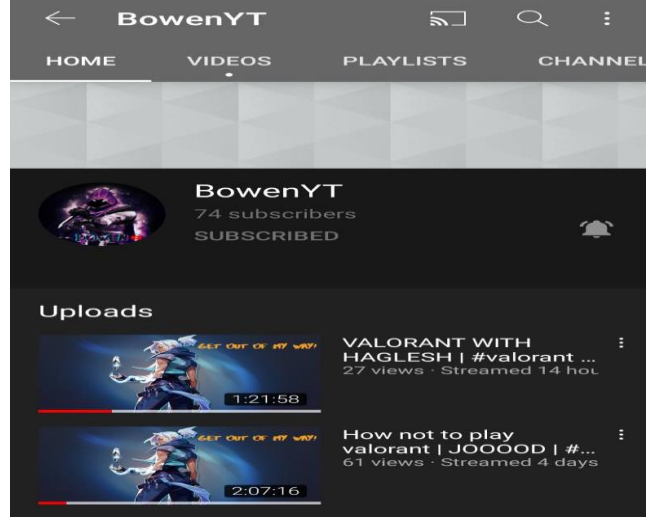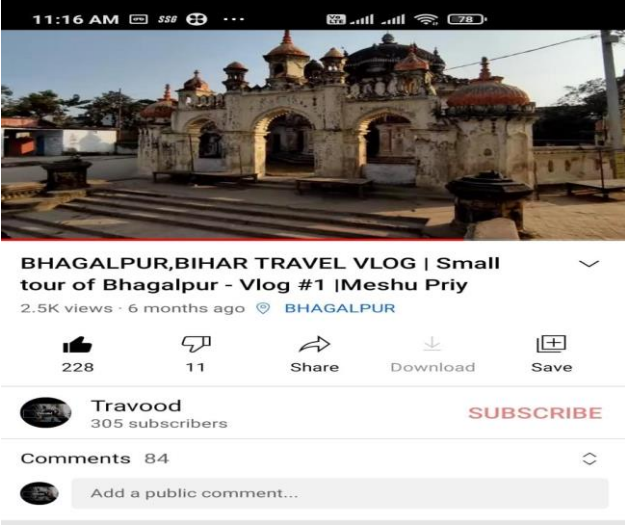**Shivali.B.M.**
4th SEM ISE, SCE

GLIMPSES OF STUDENTS ACHIEVEMENTS

We are proud that our student Shivali B M of 4th SEM, ISE has started a new journey in Rangapravesha

Suhana S student of 6th sem, ISE is focusing her talent in Sandalwood movies

We are happy to share that two of our students Meshu Priy(1SG19IS052), Balaji U(1SG19IS021) studying in 4ᵗʰ sem, ISE have started a Travel VLOG and Youtube channel

NALLAGATLA SATYA VENKATA NARASIMHA
4ᵀᴴ SEM

ಸ್ನೇಹ ಎಂಬುದು ಒಂದು ರೀತಿಯ ಅಲೆಯ ಹಾಗೆ,
ಹೋದಲೆಲ್ಲಾ ಹೋಗಬೇಕು
ಆದರೆ ಒಮ್ಮೆ ಅಪ್ಪಳಿಸಿದರೆ ಅಧರಂತಹ ಭಯಂಕರ
ಬೇರಾವುದೂ ಇಲ್ಲ
ಹಾಗಾಗಿ ಸ್ನೇಹಿತರೇ ಅಲೆಯನ್ನು ಹಿಡಿದಿಡುವುದು
ನಮ್ಮ ಕೈಯಲ್ಲಿ ಇದೆ.
-Neha M P

ಓ ನನ್ನ ನಲ್ಲೇ
ನಾ ಏಕೆ ನೋಡಿದೆ ನಿನ್ನೆ
ನೋಡುತ ನೋಡುತ ನಾ ಸೋತೆ
ನಾನ್ಯಾರು ನಿನಗೆ ಗೊತ್ತೇ? ಗೊತ್ತೇ? ಗೊತ್ತೇ?

Program Educational Objectives

PEO1: Graduates will be able to successfully gain theoretical and practical knowledge to identify and solve challenges in Information Science and Engineering.

PEO2: Graduates will begin their career in IT industry, academia, management and research to engage in lifelong learning.

PEO3: Graduates will exhibit inclination towards the needs of the society through ethics and service.

Program Specific Outcomes (PSOs)

PSO1: Apply mathematical methodologies to solve problem, analyze, data structure with suitable algorithms

PSO2: Design and evaluate computer components and information systems using technology with suitable platform.

PSO3: Build strong skills in learning new programming environments to automate things and simplify real world problems.

Editorial Board

Chief Editor: Dr. H R Ranganatha HOD, ISE
Sub Editor: Prof Chaitanya V Assistant Professor, ISE
Student Member: Arjun B R 6th sem
                        Sahana A   6th sem
                        Balaji U   4th sem

Meshu Priy 4th sem

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