NEWS & EVENTS

Editorial Members :
Prof. Prabhu Bevinamarad
Prof. Dakshayani Ijeri

Students :
Pratiksha P. Patil
Sanjaykumar Hiremath

CSE DEPARTMENT

About the Department

The Computer Science and Engineering (CSE) program was started in the year 1985 with an intake of 40 and has grown steadily. The present enhanced AICTE approved intake is 180, which runs a full time four year degree program. The main focus of the department is to produce graduates & post graduates with strong fundamentals in Computer Science and Engineering domain.

The department has excellent infrastructure with state of the art equipment and software tools. The department is spread over the sufficient area and housed with six well equipped laboratories viz. Computer Network Lab, Data Structures Lab, Computer Graphics Lab, Analog & Digital Electronics Lab, DBMS Lab & Microprocessor Lab with about 200 computers of state-of-the-art configuration, advanced software's and up to 16 MBPS Broadband connection, internet access to cater the needs of the students. The department also has a strong R & D culture.

Vision

To provide valuable human resources to the society through quality technical education and research with moral values.

Mission

To educate the students in computer science and engineering by imparting quality technical education and research to meet the needs of profession and society with ethical values.

Dr. Pushpa B. Patil
(H.O.D.)

Editor's Message

Continuing a Proud Tradition of FOCS

Mr. Prabhu Bevinamarad

Mrs. Dakshayani Ijeri

Dear Readers,

It is indeed a great honor to be the Editors for the **FOCS Times, a Newsletter of the Department of Computer Science and Engineering.** As we all know, a newsletter mirrors a department's Vision and Mission and it is our immense pleasure to launch this edition for the academic year 2020-21 with a lot of excitement.

The beginning of the year was joyful and going well but, the COVID-19 pandemic has created a profound impact on people's life, health, work and the most important challenge was how to adapt an online teaching and learning system of education built around physical colleges. Even though the entire year was in panic and critical due to Covid-19 pandemic, many students and faculty members poured their contributions to bring out this edition.

This newsletter gives an insight into the various online webinars, training programs, participation of students in various co-curricular activities and awards won by them, photography and creative sketches penned by students during pandemic. This newsletter also publishes faculty contributions towards research and development, awards and rewards received from recognized organizations for their sincere efforts.

We express our gratitude to all the staff members and students for their contribution and for helping us to bring out this beautiful edition of the newsletter.

Always, FOCS newsletter values your contributions and looks forward to your continuous support in the upcoming editions.

Thank you once again for all your good work and contribution……

"Let Us Revise C Programming" Bridge Course

The "Let us Revise C-Programming" bridge course was conducted from 15th-29^{th}September 2020 to refresh the basic concepts of C-programming and its usage for implementing data structures. This event was coordinated by Prof. Chidanand S.Kusur, Prof.Prabhu Bevinamarad and Prof. Sahebgouda R. Patil

Art by Students
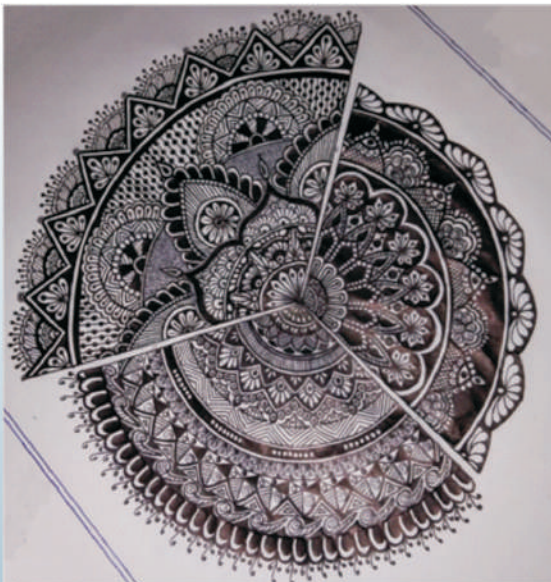
"Success Gaatha"

Final year campus recruited students have conducted "Success Gatha" on 13-01-2021for 5th semester students (upcoming placement aspirants). In this event, the students who got placed in various top MNC's inspired juniors by sharing their effort and experiences such as how to prepare for Campus drives?, how to build Resume and Programming skills?, the importance of Communication skills and NPTEL online courses, and various tricks and techniques to crack different stages of campus recruitment process.**The event were coordinators by** Mr. Rajashekhar D. Salagar, Mr. Santosh S. Dewar, Mr. Prabhu Bevinamarad, Mr. PavanMahindrakar, Mrs. Dakshayani M. Ijeri and Ms. MuktaR.Desai.

One-day workshop on *"Learning Management System"* (LMS)

The One-day Workshop on **"LMS Presentation"** was organized 1st March2021 to faculty members of BLDEA's Pharmacy College, Vijayapur to share a Knowledge of LMS and its significance. The resource person of this workshop was Mr. Vijay Jatti, BITS, BLDEACET, and Campus.

Webinar on "Understanding and Moving to Cloud Technology"

The webinar on **"Understanding and Moving to Cloud Technology"** was organized on 31-05-2021to broaden the technical knowledge of students with cloud technology in IT industry, different services offered by cloud platform and regarding how to use cloud space for projects and access different resources provided by cloud platform. The webinar was delivered by Mr. Sandeep Hakki, Technical Lead in HCL Technologies (R&D). The coordinators of webinar was Prof. Dakshayani Ijeri and Prof. Mukta Desai.

Webinar on "Windows's server 2016 and Active Directory"

The Webinar on "**Windows server 2016 and Active Directory**", was organized on 05-06-2021 to understand the significance of Windows Active Directory in industry andthe various job opportunities for Windows server 2016 and active directory technology. The talk was delivered by ▯ ▯. Neelakanth Hattaraki, Founder and Director, Neel Technologies, Bengaluru (INDIA). The coordinated by Prof.Prabhu Bevinamarad and Mr. Rajshekar D. Salagar.

Webinar on "Cloud Computing with AWS: an industrial Approach"

Webinar on "Cloud Computing with AWS: An Industrial Approach",was organized on 06-07-2021give insight into the Role of Cloud Computing in Industries, A practical approach for cloud computing in AWS, job opportunities in cloud domain, certifications in cloud computing, and placement opportunities. The session was delivered by Dr. Shashidhar Allagi, Assistant Professor, KLE Institute of Technology, Hubballi, Karnataka. The event was organized and conducted by Mr. Ravi S. Hosur and Mr. Ananda S. Hiremath.

ENGINEERS DAY CELEBRATION

"Engineers" day wascelebrated along with the "Teachers day" with our beloved Alumni Mrs. Tayyaba Choudary and Mr. Sandeep Tingale on 15th September 2021. The invited guest addressed the students and gave a talk on the role and efforts of Engineers in Building a Great Nation. This event was jointly organized by the department of CSE & ISE and coordinated by Prof. Sujata Desai, Dr. Prema T. Akkasaligar, Prof. Sweta Patil, and Prof. Annadanesh Javagi.

STAFF ACHIEVEMENTS

Dr.Prema T. Akkasaligar has participated as chair person and judge in National level Toycathon 2021 jointly organised by AICTE, MoE Innovation cell New Delhi.

"BEST PERFORMING COLLEGE" AND "BEST PROJECTS OF THE YEAR AWARD"
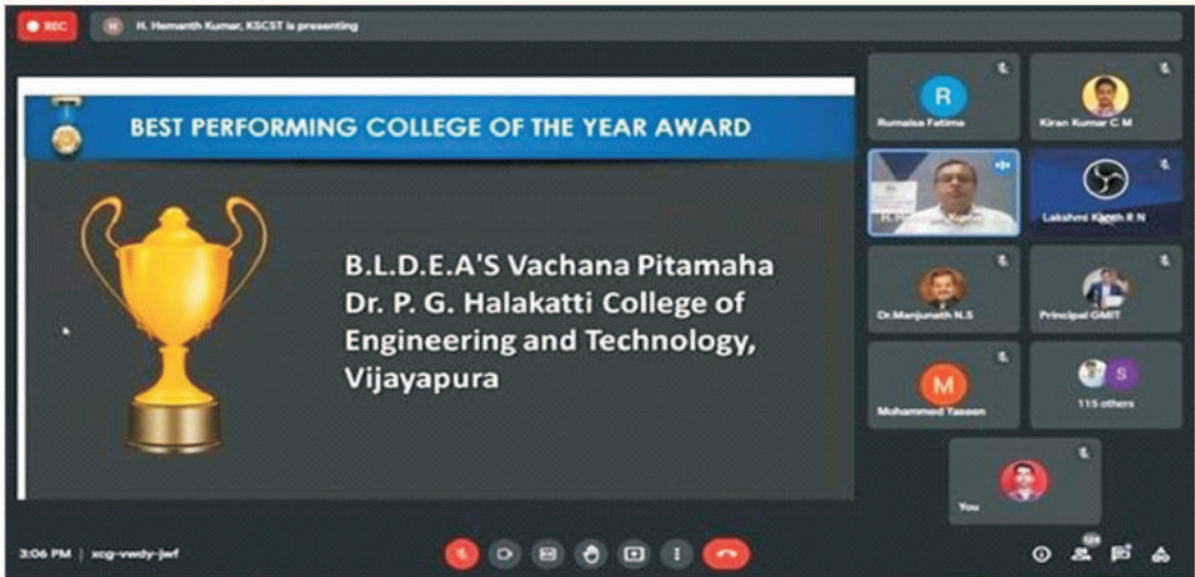
The Karnataka State Council for Science and Technology Indian Institute of Science Campus, Bengaluru awarded our college as a BEST PERFORMING COLLEGE OF THE YEAR and "BEST PROJECTS OF THE YEAR AWARD" for the project entitled "An Automated Social Distance Monitoring and Alarm System Based on Human Structure using Video Surveillance in Covid-19 Pandemic by AI Techniques" guided by **Prof. Suvarna Laxmikant Kattimani our department.**

Award by VGST, Govt. of Karnataka

Dr. Prema T. Akkasaligar, Professor and PG coordinator, received State Level ARP Award by VGST, Govt. of Karnataka for the year 2019-2020.

PATENTS/HONORS/GRANTS

Hearty Congratulations for receiving Grant for the Patent for an Invention entitled" **Automatic Highlights Extraction for Cricket Based on Semantic Query Processing** " with application number **202041039981 on 8/7/2021** by Dr. Suvarna Nandyal, Professor, Department of Computer Science and Engineering, P.D.A College of Engineering, Kalaburagi, Karnataka, India and **Mrs. Suvarna Laxmikant Kattimani, Assistant Professor, Department of Computer Science and Engineering, BLDEA's V.P.Dr.P.G.Halakatti College of Engineering and Technology Vijayapur, Karnataka, India.** BLDE Association, President, Principal, HOD, Faculty and Staff Members of BLDEACET expressed their gratitude for their remarkable achievement.

Awarded Ph.D.(CSE) Degree to Research Scholar Mrs. Sunanda Biradar under the guidance of Dr.Prema T. Akkasaligar for Thesis Titled " Analysis of Medical Ultrasound Images for Renal Calculus and Polycystic Kidney Disease" at 20th VTU Convocation held on 3rd April 2021.

BEST PAPER AWARD
is hereby presented to

Suvarna L. Kattimani, Veena I. Patil, Pooja Hundekar

for the paper titled

Tissue Evaluation, Detection and Measuring Morphological Characteristics of Cell Regions in Histological images

in the category **Special WiE Track on Technology for Women Empowerment**

at **"Bangalore Humanitarian Technology Conference"**, BHTC-2020
organised by **IEEE Bangalore Section**
from 8-10 October, 2020

Chandrakanta Kumar
TPC Chair

Puneet Kumar Mishra
General Chair
Chair-IEEE Bangalore Section

Bagged "BEST PAPER AWARD" for presenting a paper on "Tissue Evaluation Detection and Measuring Morphological Characteristics of Cell Regions in Histological Images ", on 8th October 2021 at Bangalore Humanitarian Technology Conference (BHTC) – 2021organized by IEEE Bangalore Section.

BEST PAPER AWARD
is hereby presented to

Sujata Desai, Kiran Patil, Darshana Rajput

for the paper titled

An approach for Text Recognition from Document Images

in the category **Quality Education; Decent Work and Economic Growth**

at **"Bangalore Humanitarian Technology Conference"**, BHTC-2020
organised by **IEEE Bangalore Section**
from 8-10 October, 2020

Chandrakanta Kumar
TPC Chair

Puneet Kumar Mishra
General Chair
Chair-IEEE Bangalore Section

Bagged "BEST PAPER AWARD"for presenting a paper on "An approach for Text Recognition from Document Images", on 8th October 2021 at Bangalore Humanitarian Technology Conference (BHTC) – 2021organized by IEEE Bangalore Section.

Research Papers Published/Presented in the Academic Year 2020-2021
(July 2020-June 2021)

International Journals

1. Jadhav, A.S., Patil, P.B. and Biradar, S. (2020), "Computer-aided diabetic retinopathy diagnostic model using optimal thresholding merged with neural network", *International Journal of Intelligent Computing and Cybernetics*, Vol. 13 No. 3, pp. 283-310. https://doi.org/10.1108/IJICC-11-2019-0119 (I. F -1.7)

2. Ambaji S. Jadhav, Pushpa B. Patil & Sunil Biradar (2020) Analysis on diagnosing diabetic retinopathy by segmenting blood vessels, optic disc and retinal abnormalities, Journal of Medical Engineering & Technology, 44:6, 299-316, DOI: 10.1080/03091902.2020.1791986

3. Jadhav, A.S., Patil, P.B. & Biradar, S. Optimal feature selection-based diabetic retinopathy detection using improved rider optimization algorithm enabled with deep learning. *Evol. Intel.* (2020). https://doi.org/10.1007/s12065-020-00400-0 (I. F.-0.94)

4. Dayanand G. Savakar and Ravi Hosur, " The 3D Emotion Recognition Using SVM and HoG Features", International Journal of Image and Graphics, Vol. 20, No. 03, 2050019 (2020)

5. Akkasaligar Prema T., Biradar Sunanda, *"Automatic Segmentation and Analysis of Renal Calculi in Medical Ultrasound Images"*, Pattern Recognition and Image Analysis, vol. 30(4), 2020, pp.748-756.

6. Dayanand G. Savakar and Ravi Hosur, " A Novel Content based 3D Object Retrieval System for Object Search Based on Cluster Centre Descriptor for Triangular Mesh (CCDTM) and Neural Network", communicated to Journal of critical reviews
7. Pavan Mahendrakar, " "A Survey On Morphological Analysis And Segmentation Of Menisci From Magnetic Resonance Images", European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 06, 2020.

International Conference:

1. Veena.I.Patil, Suvarna L.Kattimani, Pooja Hundekar, "Tissue Evaluation, Detection and Measuring Morphological Characteristics of Cell Regions in Histological images", IEEE International conference on Humanitarian Technology (B-HTC)2020, 0ct 08-10 2020, pp 129-132

2. Rajashekhar Salagar, Pushpa B. Patil, "Analysis of PCA usage to Detect and Correct Skew in Document Images," Accepted in ICTCS-2020 to be held on 11-12 December 2020, at Jaipur, India

3. Sujata Desai, Kiran Patil, Darshana Rajaput, *"An Approach for Text Recognition from Document Images"*, IEEE International conference on Humanitarian Technology (B-HTC)2020, 0ct 08-10 2020, pp 207-211.

4. Akkasaligar Prema T., Biradar Sunanda, Poornima Hotagi, *"Highlighting Nerves in Images for Ultrasound Guided Regional Anesthesia"*, IEEE International conference on Humanitarian Technology (B-HTC)2020, Oct 08-10, 2020, pp. 93-98.

5. Dakshayani Ijeri, Prasanna Maidargi, Raju Sunagar, "Traffic Control System using Image Processing" IEEE International conference on Humanitarian Technology (B-HTC)2020, 0ct 10-10 2020, pp 355-360

6.M. R. Desai, S. A. Patel, M. Peerzade and G. Chawhan, "Person Re-identification via Deep Metric Learning," *2020 Third International Conference on Advances in Electronics, Computers and Communications (ICAECC)*, 2020, pp. 1-9, doi: 10.1109/ICAECC50550.2020.9339491.

7.A.A.Javaji, S.S.Chinchali, S.K.Honawad, "Music Staff Elimination using Supervised Pixel Classification ", IEEE-BHTC 2020. (IEEE-Xplore).

8. Shanta S. Chikkond; Rajashekhar Salagar; Shriharsha S. Veni, "Segmentation Of Document Images Using Different Methods Like K-Mean Clustering And Fuzzy Clustering," IEEE 2021 International Conference on Computer Communication and Informatics (ICCCI), 27-29 Jan. 2021, held at Coimbatore, India. DOI: 10.1109/ICCCI50826.2021.9402546

9. Prema T. Akkasaligar, Sunanda Biradar and Varsharani patil "Alzheimer Disease Detection " , International Conference on Artificial Intelligence and Soft Computing (ICAISC-2021), ISBN:978-93-88929-53-0, February 11th to 13th 2021, pp.458-468.

10. Shirharsha S. Veni, Ananda S. Hiremath, Mahalakshmi Patil, Mayuri Shinde, Aishwarya Teli, "Video Based Detection Counting and classification of vehicles using open CV", International Conference on IoT Based Control Networks and Intelligence Systems (ICICNIS-2020), 10-11, December 2020, pp 285-292.

Programme Specific Outcomes (PSOs)

Graduates will be able to
1. **Computational skills:** Apply the knowledge of Mathematics and Computational Science to solve societal problems in various domains.
2. **Programming Skills:** Design, Analyze and Implement various algorithms using broad range of programming languages.
3. **Product Development Skills:** Utilize Hardware and Software tools to develop solutions to IT problems.

Placement for the Year 2020-21

SI No	Name of the Student	Name of the Employer
1	Ms. Supriya Patil	Cognizant Technology Solutions India Pvt Ltd.
2	Ms.Shreelakshmi Jakkannawar	Cognizant Technology Solutions India Pvt Ltd.
3	Ms. Suma Ijeri	Cognizant Technology Solutions India Pvt Ltd.
4	Mr.Vishal Kulkarni	Cognizant Technology Solutions India Pvt Ltd.
5	Mr.Nikhil Shebannavar	Cognizant Technology Solutions India Pvt Ltd.
6	Mr.Keshav Malpani	Cognizant Technology Solutions India Pvt Ltd.
7	Ms. Vijayalakshmi Gugwad	Cognizant Technology Solutions India Pvt Ltd.
8	Ms. Roopa Mahadevbagewadi,	Cognizant Technology Solutions India Pvt Ltd.
9	Mr. Prasanna Maidaragi	Creators Technology Solutions Nagpur
10	Mr. Shashikiran Kulkarni	Accenture Pvt Ltd Bengaluru Tata Consultancy Services Limited.
11	Mr. Prasanna Asangihal	Tata Consultancy Services Limited.
12	Ms. Ritika Patil	Tata Consultancy Services Limited.
13	Ms. Harshita Malagi	Tata Consultancy Services Limited.
14	Ms. Shivani Karani	Accenture Pvt Ltd Bengaluru Tata Consultancy Services Limited.
15	Ms. Ranjita Tipparaya Achari	Tata Consultancy Services Limited.
16	Ms. Pooja Pujari	Tata Consultancy Services Limited.
17	Ms. Yasmin	Accenture Pvt Ltd Bengaluru Global Edge Pvt. Ltd Bengaluru Mind Tree
18	Mr. Vinay Pujari	Global Edge Pvt. Ltd Bengaluru
19	Ms. Kavya Achary	Minfy Technologies Pvt Ltd
20	Ms.Misbah Jahagirdar	Minfy Technologies Pvt Ltd
21	Ms.Jyoti Hariwal	Minfy Technologies Pvt Ltd
22	Ms. Nityagouri Kulkarni	Minfy Technologies Pvt Ltd
23	Ms. Vijayalaxmi	ThoughtClan Technologies Bangalore

Sl. No	Name of the Student	Name of the Employer
24	Mr. MD. Taaha Shaikh	LIDO LEARNING, Bangalore.
25	Mr. Kshitij Chopade	FIS Global Pvt Ltd Bengalur
		Mind Tree
		Quali Test
26	Mr. Vijaya Jadhav	Qualitykiosk Technologies Pvt. Ltd.Mumbai
		Chegg Ind Pvt Ltd.
27	Mr. Keshav Malpani	Chegg Ind Pvt Ltd.
28	Ms.Rajeshwari Y	HCL Technologies Ltd. Bengaluru.
		Chegg Ind Pvt Ltd.
29	Ms. Sonali Muddebihal	DijiSuji Technologies Pvt LTD
30	Ms. Kaveri Mugali	One Bill Software India Pvt Ltd,
		Cognitive Cloud Pvt Ltd Bangalore.
31	Mr.Manik Kulkarni	Cognitive Cloud Pvt Ltd Bangalore.
32	Ms.Bhagyalakshmi Belkod	Mphasis Ltd. Bengaluru
		Cognitive Cloud Pvt Ltd Bangalore.
33	Ms.Aishwarya Patil	Cognitive Cloud Pvt Ltd Bangalore.
34	Ms.Ranjita Achari	Cognitive Cloud Pvt Ltd Bangalore.
35	Ms.Akshata Bharate	Cognitive Cloud Pvt Ltd Bangalore.
36	Ms.Akshata Karakalli	Cognitive Cloud Pvt Ltd Bangalore.
37	Mr. Siddu Kamagond	Sonata Software Pvt Ltd Bangalore.
38	Mr. Manik Kulkarni	Infosys Pvt Ltd Bengaluru.
39	Ms.Harshita Malagi	Infosys Pvt Ltd Bengaluru.
40	Ms. Vidyashree Gadad	Infosys Pvt Ltd Bengaluru.
41	Ms. Shireen Saiyad	Infosys Pvt Ltd Bengaluru.
42	Ms.Shrilaxmi Jakkanavar	Infosys Pvt Ltd Bengaluru.
43	Mr. Md. Taaha Shaikh	Extentia Pvt Ltd Bengaluru.
44	Ms. Channabasamma Katti	Accenture Pvt Ltd Bengaluru
		Cap Gemini Pvt Ltd Bengaluru.
45	Mr. Prasanna Maidargi	Excelfore Pvt Ltd Bengaluru.
46	Ms. Supriya Patil	Wipro Pvt Ltd Bengaluru.
47	Ms. Aishwarya Patil	Accenture Pvt Ltd Bengaluru
48	Ms.Bhavani B S	Seventh Sense People Development Solutions Pvt. Ltd
49	Mr. Mohd Taaha Shaikh	Elcamino Software Pvt Ltd.

Sl. No	Name of the Student	Name of the Employer
50	Ms.Nehal Mangalwede	Seventh Sense People Development Solutions Pvt. Ltd.
51	Mr.Vijaya Shankar Jadhav	Seventh Sense People Development Solutions Pvt. Ltd.
52	Mr. Timmanna Bandivaddar	Elcamino Software Pvt Ltd.
53	Mr. Sayed Amanullah Rozindar Hamid	Mphasis Ltd. Bengaluru
54	Ms.Vidyashree V Patil	Artech Info Systems Pvt Ltd Bengaluru
55	Ms.Amruta Somaling Dolli	Artech Info Systems Pvt Ltd Bengaluru
56	Mr. Vijaya Shankar Jadhav	Artech Info Systems Pvt Ltd Bengaluru
57	Ms.Ritika Ravikumar Patil	Artech Info Systems Pvt Ltd Bengaluru
58	Ms.Shireen Saiyad	Artech Info Systems Pvt Ltd Bengaluru
59	Ms. Kavya Hebbal	Verzeo Pvt Ltd Bengaluru
60	Mr. Sayed Salman Qadri Burkaposh	Monocept Pvt. Ltd. Hyderabad
61	Ms. Amruta S Dolli	Monocept Pvt. Ltd. Hyderabad
62	Mr. Pareeshwanath M	Qualitykiosk Technologies Pvt. Ltd.Mumbai
63	Ms. Amruta.Dolli	HCL Technologies Ltd. Bengaluru
64	Ms.Priyanka S Lalge	HCL Technologies Ltd. Bengaluru
65	Ms.Rani	HCL Technologies Ltd. Bengaluru
66	Ms. Surabhi Dath K S	Deloitte Consulting India Private Limited.
67	Ms. Maseera M Bagwan	Deloitte Consulting India Private Limited.
68	Ms.Maseera M bagwan	Accord Global Technology Solutions Pvt. Ltd.
69	Ms. Akshata Karakalli	Accord Global Technology Solutions Pvt. Ltd.
70	Ms. Praneeta Mahurkar	DXC Technology Pvt Ltd.
71	Ms. Kavya Hebbal	One Bill Software India Pvt Ltd,

STUDENT'S ACHIEVEMENTS

Internshala Training

Mr. Sorav Kalal of VI semester secured 1st Position and won cash prize of Rs 35,000/- in **Internshala Training** App-a-thon on 15 June 2021.

Content Writing Competition

Winners

CONTENT WRITING COMPETITION

Swajeet Budhawant — 1

Bhoomika Bhagwat — 2

Deepa Dhanagond — 3

: eieee_ioit

Miss. Deepa Dhanagond of VII semester secured 3rd Position in content writing competition organized by IEEE AISSMS IOIT student branch.
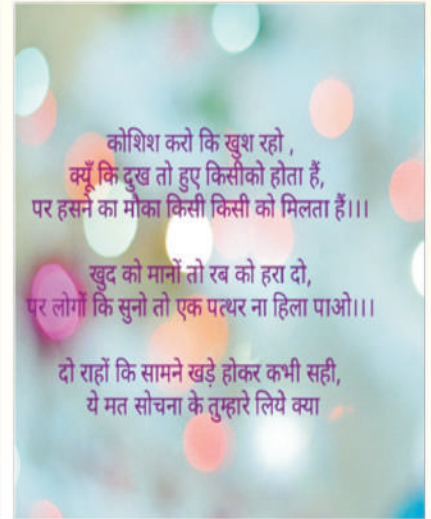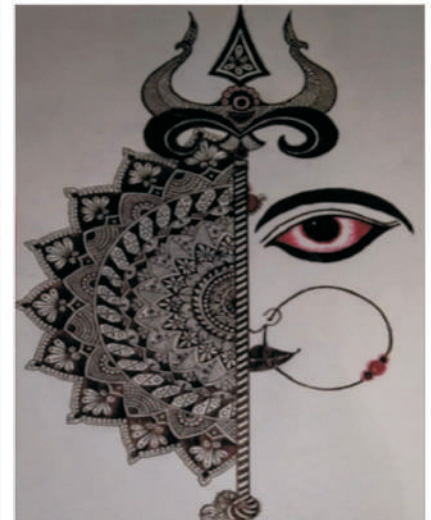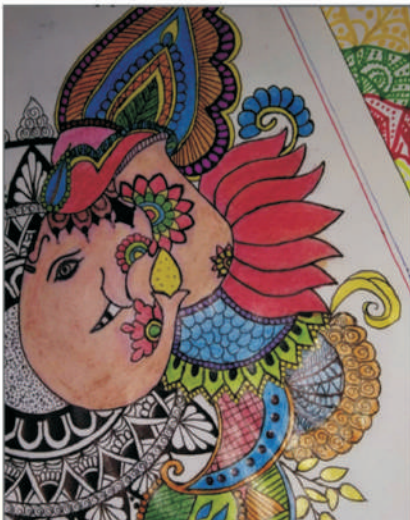

Photography
Name: Pooja Dolli

ART GALLARY

कोशिश करो कि खुश रहो ,
क्यूँ कि दुख तो हुए किसीको होता हैं,
पर हसने का मौका किसी किसी को मिलता हैं।।।

खुद को मानों तो रब को हरा दो,
पर लोगों कि सुनो तो एक पत्थर ना हिला पाओ।।।

दो राहों कि सामने खड़े होकर कभी सही,
ये मत सोचना के तुम्हारे लिये क्या

Shreya Jamakhandikar, 3rd sem   Shraddha B Math, 4th sem

Mandalal / Pastel Arts, Nageshwari S Hatti, 6th Sem

Pooja Almel, 4th sem

Sneha G. Sajjan, 4th sem

Photography by : Sampathkumar, 4th sem

Shreya kavi, 4th Sem

Govindraj G Deshpande, 4th Sem

Sketched by: Laxmi Awati, 8th Sem

Sketched by: Laxmi Awati, 8th Sem