

BLDEACET

Yearly Newsletter of Department of Computer Science and Engineering

NEWS & EVENTS

About the Department

PAGE 1

FDP and Training Programs Organized

Page 2-4

TCS Tech Bytes

PAGE 5

Webinars

PAGE 6

Crackothan

PAGE 7

Research Fellowship

PAGE 8

International FDP

PAGE 9

Research and Development

PAGE 10-13

Awards AND HONORS

PAGE 14-15

PLACEMENTS

PAGE 16-19



CSE DEPARTMENT

About the Department

The Department of Computer Science & Engineering (CSE) was started in the year 1986 with present intake of 120, which runs a full time Bachelor Degree programme (B.E.) and PG programme (M.Tech). And also the department is a recognized VTU Research Centre. And the department have been provisionally accredited by National Board of Accreditation (NBA), New Delhi for a period of 3 years w.e.f 01-07-2015. The department is well established with independent classrooms and state-of-art laboratories.

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.

“One Week Bridge Course on ‘C’ Programming Language”



One Week Bridge Course on ‘C’ Programming Language conducted for the 3rd Semester of Department of Computer Science and Engineering students from 5/08/2019 to-10/08/2019. The main objective of the event was to improve the basic skills of C programming and develop the problem solving abilities of students.

The event was coordinated by,

Prof. Anand S. Hiremath.
Prof. Chidanand S. Kusur.

"A great educator makes everyone learn, not just those who are at the top of the class."

James Lopez





One day workshop on “Basic Computer Skills (I.T. Training) to Government School Teachers”

The workshop was organized by Dept. of CSE, ISE , MCA and Agastya International Foundation on “Basic Computer Skills (I. T. Training) to Government School Teachers” on 6th September 2019.

The Conveners of workshop are: Dr. Pushpa B. Patil, Prof. Sanjeev M. Chadchan, Prof. Girish K. Kulkarni.

Co-ordinator:

Prof. K. B. Pawar

Resource Persons:

Prof. Chidanand S. Kusur.

Prof. Lokesh Surasura.

Prof. A. A. Javaji.

Mr. Pramod S. Jadhav.

“Although greed is considered one of the seven deadly sins, it turns out that greedy algorithms often perform quite well.”

— Stuart Russell

**"Motivational
talk on Job
opportunities in the IT
field by Alumni"**



Ms. Ashiwini Koujalagi
Alumni of Department of
Computer Science and
Engineering(2013 batch
passed out)
working as a Senior Associate
Technology Level-1,Sapient,
Bangalore, has
inspired students of 3rd & 5th
semester students by
delivering a lecture on
"Job opportunities in the IT
field.

**The event was coordinated by,
Prof. Siddaram S. Patil.**

**Selected for National Level
AICTE – UKIERE Technical Leadership
Development Programme for the year
2019-2020**



Dr. Prema T. Akkasaligar Selected for National Level AICTE – UKIERE Technical Leadership Development Programme for the year 2019-2020. It is a one year training programme jointly organized by DUDLEY College of Technology, UK and AICTE India, known as the UK India Education and Research Initiative . It organises three workshops across India. Attended the first workshop from 30th July to 2nd August,2019 at AICTE HQ's New Delhi.

“Whether you want to uncover the secrets of the universe, or you just want to pursue a career in the 21st century, basic computer programming is an essential skill to learn.”

- Stephen Hawking

**A talk on
“Machine Translation”**



**A Guest talk on
“Machine Translation”
by**

Dr. Zar Zar Linn
Professor,
Department of CSE, Myanmar
Institute of Information
Technology (MIIT), Mandalay,
Myanmar for 3rd and 5th semester
students on
14th November 2019 to disseminate
the information about the
importance of Machine learning and
Translation in building real world
applications .

**The event was coordinated by
Prof. Dakshayani Ijeri
Prof. Anil Bharate.**

TCS Tech Bytes 2020



TCS Tech Bytes 2020 event was organized by TCS at Zonal and State Level. 20 students from our college had participated in an event and it was held at AIET Gulbarga (Regional Level). **Mr Ubaid Inamdar and Mr Shubham Thakur** have won TCS Tech Bytes 2020 at Zonal level and had represented our college in state level.



WEBINARS



CLOUD ARCHITECTURE AND CONCEPTS

Conducted for Students,
Research Scholars and Faculty
Members on 16th June 2020.

Resource Person:
Mr. Rahul R. Shelake
Senior Project Engineer
WIPRO Limited, Pune.

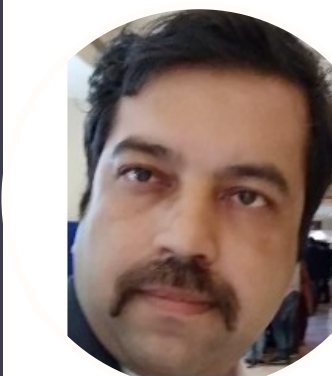


DATA BITE

conducted for Students,
Research Scholars and Faculty
Members

20th June, 2020.

Resource Person:
Mr. Mounesh K.
Data Engineer, BizAnalytix
Limited, Pune.



AN INSIGHT INTO INDUSTRY AND NEED FOR STAYING RELEVANT

conducted for Students, Research
Scholars and Faculty

17th June, 2020..

Resource Person:
Mr. BASAVRAJ HUGAR.
FOUNDER, VALUABLE CONSULTING,
Bangalore.



SOFTWARE QUALITY

conducted for Students, Research Scholars and Faculty

18th June, 2020..

Resource Person:
Mr. Gangadhar Heralgi,
Co-Founder & CTO, Monocept Pvt. Ltd,
Hyderabad.

CRACKTHON 2019

PARTICIPANTS



Department of Computer Science and Engineering conducted Two Days technical event Crackthon-2K19 on 23rd and 24th August 2019 under Computer Society of India (CSI) for all the students of various department of our institute.

APTITUDE TEST

Participants were given initial aptitude and technical quiz, based on which students will be filtered for further rounds.



REWARDS

The students were rewarded those who have topped in following rounds.

- i. Technical and Aptitude test*
- ii. Coding*
- iii. Group Discussion and Mock Interview*



The ASEAN-India Research Training Fellowship (AIRTF)



On behalf of Department of Science & Technology (Govt. of India), sanction of Federation of Indian Chambers of Commerce and Industry (FICCI) is accorded for award of ASEAN India research & Training Fellowship (AIRTF) under ASEAN- India Science & Technology Development Fund of Govt. of India to **Dr. Zar Zar Linn, Myanmar Institute of Information Technology (MIIT), Myanmar** for a period of 6 months starting from 18th June to 17th December 2019 under the guidance of **Dr. Pushpa B. Patil**, Department of Computer Science & Technology, BLDEAs V. P. Dr. P. G. Halakatti College of Engineering & Technology.



The objective of The ASEAN-India Research Training Fellowship (AIRTF) is to provide an opportunity for ASEAN researchers to conduct research under the guidance of a host scientist in India in order to advance their own research capabilities while fostering scientific and technological cooperation between ASEAN and India.

International Workshop on Deep Learning and its Applications



One day international workshop was organized on Deep Learning and its Applications by the Department of Computer Science and Engineering on 4th March 2020. The resource person for the workshop was [Dr. Myat Myo](#), New Wai, MIIT, Mandalay, Myanmar.

Description of the event:

- Deep Learning process and its usage in real time environment.
- The applications of Deep learning have been also demonstrated with implementation.
- industrial applications of Deep learning from automated driving to medical devices.

Staff Coordinators:

[Dr. M.S.Shirdonkar](#)

[Dr. P.H.Unki,](#)

[Prof. S. K. Honawad,](#)

RESEARCH AND DEVELOPMENT

Publications by Faculty Members

International Journals

1. Dayanand G. Savakar and Ravi Hosur, "3D Emotion Recognition Using SVM and HoG features", International Journal of Image and Graphics (Accepted on July 2019)

2. Umesh D. Dixit and M. S. Shirdhonkar, "Preprocessing Framework for Document Image Analysis", International Journal Advanced Networking and Applications ,vol.10, Issue 4, pp. 3911-3918,2019.

3. Umesh D. Dixit and M. S. Shirdhonkar, "Fingerprint Based Document Image Retrieval", International Journal of Image and Graphics,vol.19, Issue 2, pp. 1950008-1950008-17,2019 [World Scientific]

4. Umesh D. Dixit and M. S. Shirdhonkar "Language -based document image retrieval for Trilingual System", International Journal of Information Technology, <https://doi.org/10.1007/s41870-019-00394-8>

5. Prema T Akkasaligar and Sumangala Biradar " Selective medical image encryption using DNA Cryptography", Information security journal "Global Perspective, DOI:10.1080/19393555.2020.1718248, Vol 29 Issue 2 Feb 2020, PP No 91 to 101.

6. A.S.Jadhav and Pushpa B.Patil, "Optimal Feature Selection-based Diabetic Retinopathy Detection using Improved Rider Optimization Algorithm Enabled with Deep Learning", Evolutionary Intelligence Journal, published by Springer, April 2020.

7. 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)

RESEARCH AND DEVELOPMENT

8.Santosh Chinchali,Shivakumar Honawad ,“An Efficient Data Sharing and Retrieval Method for Cloud Computing” International Journal of Innovative Technology and Exploring Engineering , Volume-9 Issue-6, April 2020

Dayanand G. Savakar and Ravi Hosur, “The 3D Emotion Recognition Using SVM and HoG Features”, International Journal of Image and Graphics,2020, Vol. 20, No. 03, PP 2050019-1 to 2050019-13, <https://doi.org/10.1142/S0219467820500199>

Book Chapters

1. Jadhav A.S., Patil P.B. (2019) Segmentation and Classification of Retina Images Using Wavelet Transform and Distance Measures. In: Sinha G. (eds) Advances in Biometrics. Springer, Cham,DOI :https://doi.org/10.1007/978-3-030-30436-2_8

2. Dixit U.D., Shirdhonkar M.S. (2019) Language-Based Classification of Document Images Using Hybrid Texture Features. In: Sinha G. (eds) Advances in Biometrics. Springer, Cham, DOI:https://doi.org/10.1007/978-3-030-30436-2_9

3. Prema T Akkasaligar and Sunanda Biradar “Automatic Kidney Cysts Segmentation in Digital Ultrasound Image”, Chapter 4, In: Shukla A.(ed.), Medical Imaging Methods, Springer Nature Singapore Ple. Ltd.,October 2019, pp. 97 - 117,(ISBN- 978-981-13-9121-7)

RESEARCH AND DEVELOPMENT

International Conferences

1. Rajashekhar Salagar, Pushpa B. Patil, "Application of RLSA for Skew Detection and Correction in Kannada Text Images," Proceedings of the Fourth International Conference on Computing Methodologies and Communication (ICCMC 2020), March 11-13, 2020, SCE Erode Tamilanadu, India

2. Anil A Bharate and M. S. Shirdhonkar, "Classification of Grape Leaves using KNN and SVM Classifiers", 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC) , pp. 745-749, 2020.

3. Z. Z. Linn and P. B. Patil, "Part of Speech Tagging for Kayah Language Using Hidden Markov Model," 2019 4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), Mysuru, India, 2019, pp. 228-233, doi: 10.1109/ICEECCOT46775.2019.9114552.

5. Shoba R Patil, Veena I Patil, "Detection of Nuclei Cell in Histopathological Images of Uterine Cancer: Adenocarcinoma of Endometrium", 4th International Conference on Trends in Electronics and Informatics (ICOEI 2020), ISBN: 978-1-7281-55173, 15-17 June 2020, pp. 880-885.

6. Prabhu R. Bevinamarad and M. S. Shirdhonkar, "Audio Forgery detection Techniques: Present and Past Review", IEEE 4th International conference on Trends in Electronics and Informatics (ICOEI-2020), Organized by SCAD college of Engineering and Technology, Tirunelveli, Tamil Nadu, PP-609-614..

7. Smita Gour and Pushpa B Patil, "An Exploration of Deep Learning in Recognizing Household Objects," Tenth International Conference on Advances in Computer Engineering – ACE 2020 held during Jan 24-25, 2020 in Trivandrum, India

RESEARCH AND DEVELOPMENT

International Conferences

8. Dayanand G. Savakar and Ravi Hosur, "Analysis of Segmentation and Identification of Square-Hexa-Round-Holed Nuts Using Sobel and Canny Edge Detector," Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1037. Springer, Singapore.

9. Prema T. Akkasaligar and Sunanda Biradar, "Segmentation of kidney segmentation in medical ultrasound images", Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1036, part 2, Springer Nature Singapore Ple. Ltd. 2019, pp. 200-208.

10. Prema T. Akkasaligar and Sumangala Biradar, "Medical image encryption with integrity using DNA and chaotic maps", Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1036, part 2 ,Springer Nature Singapore Ple. Ltd. 2019, pp. 143-153.



Awards and Honors



KSCST project grant

Mrs. Suvarna L. Kattimani, has received student project grant of rupees 2500.00 from KSCST, Indian Institute of Science Campus, Bangalore.



Award for research publication (ARP) by VGST, Bangalore.

Dr. Prema T Akkasaligar, has received 25,000/- cash prize award for her research publications in various National and International conferences and journals.

National Level Online Project Exhibition



National Level Online Project Exhibition was conducted by Tontadarya College of Engineering(TCE) Gadag on 10th December 2020. Our students Ms. Sayeda Afshan Patel, Ms. Muskan S Peerzade and Mrs. Geetha L Chawhan participated and won second place with a cash prize of 3000Rs/-. The project title was "Person Re-



Awards and Honors



- *Mr. Shrihari Kulkarni, of 5th semester secured First prize in a national level competition conducted by MGM foundation. Which was judged by great maestros Pt.Praveen Godkhindi, Pt Kumar Mardur and Pt. Shrinivas Joshi.*
- *Awarded as Star of South India organized by Rotary Club Bhoopal.*

PLACEMENTS



CHARMI OSWAL

**Tata Consultancy Services
Bangalore**

IBM Pvt Ltd, Bangalore

MoonXPvt Ltd, Bangalore



YASH GOKHALE

**Cognizant
Pvt Ltd, Bangalore**

Wipro Pvt Ltd, Bangalore.

MANIKANTH SHETH

**Infosys
Pvt Ltd, Bangalore**

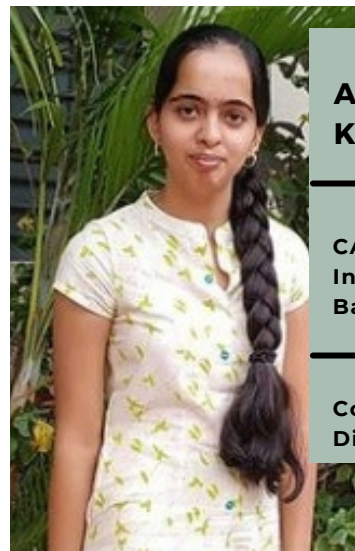
**Cognizant
Pvt Ltd, Bangalore**



**BASAVARAJ
MURAKUMBI**

**Hefty
Soft Pvt Ltd, Bangalore**

**Technologics
Global Pvt. Ltd, Bangalore**



**ANKITA
KULKARNI**

**CARtech
Information systems Ltd,
Bangalore.**

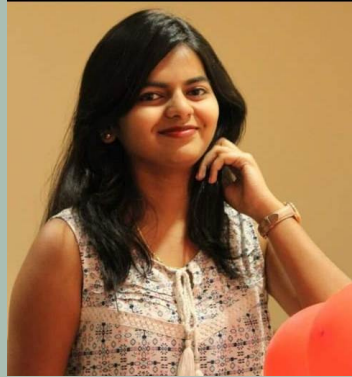
**Covelense
Digital Solutions Pvt Ltd**



**AISHWARYA S.
TELI**



**GANGAMMA
R GOUDAR**



**SHRUJANA
S BIJJARGI**



**PRASHANT
C KORI**



**RANI
JAMAKHANDI**

**INFOSYS
PVT LTD,
BANGALORE**

Artech Information systems Ltd, Bangalore.



**VIJETA
V. PATTAN**



**MADHURA
JEVARGI**



**SHRUTI
M. PATIL**



SHREEYA AWAJI



**SHRUTI
R. BIJJARAGI**

**RAJANI
KULKARNI**



UBAID INAMDAR

**TATA CONSULTANCY
SERVICES
BANGALORE**



**PRIYANKA
DHOT**

**SLK
SOFTWARE
BANGALORE**



**NEHA
ADWANI**

**COGNIZANT
PVT LTD,
BANGALORE**

**KRISHNA
PUROHIT**



**HEFTY SOFT PVT LTD,
BANGALORE**



SAMEENACHATARKI

**GLOBAL
EDGE SOFTWARE LTD,
BANGALORE**



**SOUBHAGYA
KULKARNI**

**WIPRO
PVT LTD,
BANGALORE.**

**DHANASHRI
KABRA**



**SHALIGRAM
INFOTECH LLP LTD,
AHMEDABAD.**



NAZIYAKALADAGI

**CHHAPOLIKA&
COMPANY,
BENGALURU**

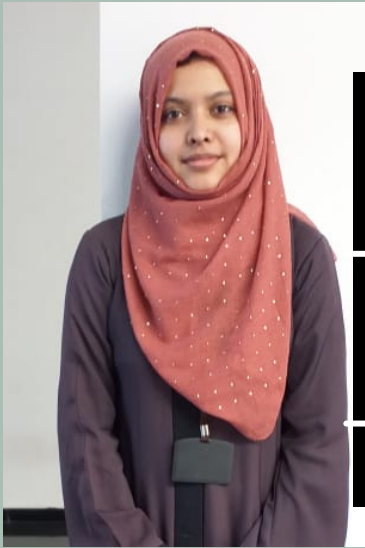


AMRUT METRI

**CHHAPOLIKA&
COMPANY,
BENGALURU**



VIRESH D MATH



**SAYEDAAFCHAN
PATEL**

Shaligram
Infotech LLP Ltd,
Ahmedabad.

BYJU's, Bengaluru



**TECH
FORTUNE
TECHNOLOGIES,
BANGALORE.**

**MAYURI
SHINDE**

**KASUGOWD M.
PATIL**

Shefty
Soft Pvt Ltd,
Bangalore

Infosys Pvt Ltd,
Bangalore



Online Alumni Meet



BLDEA's
**V. P. Dr. P. G. HALAKATTI COLLEGE
OF ENGINEERING & TECHNOLOGY
VIJAYAPUR**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Google Meet

ONLINE ALUMNI MEET

(Graduated from 2011 to 2015)

SATURDAY, 01.08.2020 @ 11 am

AGENDA

1. Suggestions regarding improvements in Placements
2. Internship Opportunities
3. Guest Lectures/Seminars/Training by Alumni
4. Mentoring small group of Students
5. Involving students in Industry Live Projects



BLDEA's
**V. P. Dr. P. G. HALAKATTI COLLEGE
OF ENGINEERING & TECHNOLOGY
VIJAYAPUR**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Google Meet

ONLINE ALUMNI MEET

(Graduated from 2006 to 2010)

SUNDAY, 02.08.2020 @ 11 am

AGENDA

1. Suggestions regarding improvements in Placements
2. Internship Opportunities
3. Guest Lectures/Seminars/Training by Alumni
4. Mentoring small group of Students
5. Involving students in Industry Live Projects