



# KLE Technological University

Creating Value  
Leveraging Knowledge

Dr. M. S. Sheshgiri Campus, Belagavi

Approved by AICTE, New Delhi; Recognized under Section 2(f) of UGC Act 1956 and ISO 9001-2015 Certified Institute  
Ph.: 0831-2443881, 82, 83, 2440322; Fax:0831-2441644; Web: www.klescet.ac.in; Email: principal@klescet.ac.in

**FEB - JUL : 2023**

## PATRONS

**Dr. Prabhakar Kore**

Chairman, BOM  
KLE Society, Belagavi

**Sri. S. C. Metgud**

Chairman, LGB  
KLE Technological University,  
Dr. M. S. Sheshgiri Campus - Belagavi

## EDITORIAL BOARD

**Dr. R.V. Raikar**

**Dr. Amith Gadagi**

**Prof. Giridhar A. Hebbale**

**Dr. Praveen Ghorpade**

**Dr. Virupaxi D. Gundakalle**

## EDITOR IN CHIEF

**Dr. S.F. Patil**

Principal,  
KLE Technological University,  
Dr. M. S. Sheshgiri Campus - Belagavi

## EDITOR

**Mrs. Rushali Ligade**

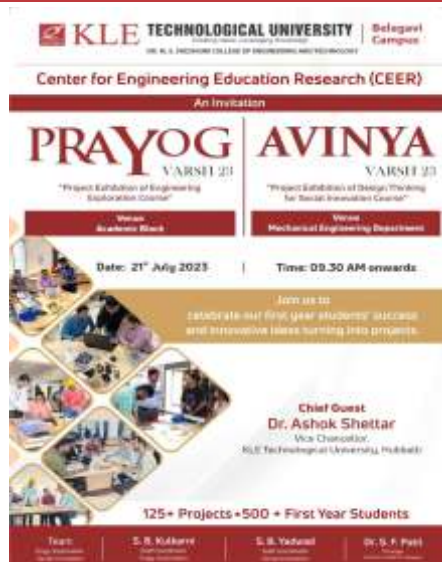
HR Manager,  
KLE Technological University,  
Dr. M. S. Sheshgiri Campus - Belagavi

## KLE Technological University, Dr. M. S. Sheshgiri Campus - Belagavi, Celebrates - KARGIL VIJAY DIWAS



**Kargil Vijay Diwas** is celebrated on July 26<sup>th</sup> every year in the honour of Kargil War heroes who got Indian victory in the 1999 Kargil War against Pakistan. Its a day of remembrance, pride, and gratitude towards the brave soldiers who safeguard the nation's borders and uphold its integrity. Faculty and students paid floral tributes to the war heroes.

## PRAYOG VARSHA 2023 and AVINYA VARSHA 2023



Two project exhibitions **PRAYOG VARSHA 2023** and **AVINYA VARSHA 2023** were executed by the first-year engineering students under the Engineering Exploration course and Design Thinking for Social Innovation on 21<sup>st</sup> July 2023. The objective was to provide a platform to undertake multidisciplinary projects in order to show case their fundamental knowledge regarding engineering science discipline through such project-based learning and address societal needs through design thinking.

A total of 500+ students and 37 faculty representing different teams participated in both the project exhibition and 116 projects were exhibited in **PRAYOG VARSHA 2023** and **AVINYA VARSHA 2023** out of which 10 projects were awarded prizes.

Dr. S F Patil – Principal, opined that KLE TECH has always been aspiring to provide new learning techniques to students so that, their thinking ability can be enhanced. He stressed developing the competencies to provide feasible and impactful solutions.

Prof. S B Kulkarni and Prof Somnath Yadwad were the chief coordinators of **PRAYOG VARSHA 2023** and **AVINYA VARSHA 2023**. The program was attended by a large number of students.



## Design Thinking for Social Innovation

Team has been awarded with best Project by which they could help the society with engineering solutions.



### Title-SMART CANE for Blind People

**DTSI Phases: 1. Empathy, 2. Define, 3. Ideate, 4. Prototype, 5. Testing**

**FABRICATION:** They designed a smart stick which can assist the Blind people to walk with confidence and not to be dependent on others. The SMART CANE will detect the obstacle when it falls under its range and alerts the user by giving VOICE ASSISTANCE that an obstacle has been detected by which the user can get alerted and collision can be avoided.

### Specifications of the SMART CANE are:

1.Voice Assistance as output. 2.Obstacle Detection by Ultrasonic Sensor. 3.Rechargeable Li-Battery is used.(Replaceable) 4.Height Adjustment Cane 5.Fabricated from Foam Sheet for Light weight material 6. Excellent Aesthetics. (Ergonomics) Using empathy-driven design, they've crafted a smart cane that truly empowers and enhances the lives of visually impaired individuals.

### Ph.D. Awardees:



Name : **Priyanka Gavade**  
Title : Face Expression Recognition in Videos Using Deep Learning Techniques  
Guide : Dr. Vandana S. Bhat, Asst.Prof.  
Dept.of IS, SDM  
College of Engg. & Tech. Dharwad  
Dept. : Computer Science & Engineering



Name : **Rakhee Kallimani**  
Title : Optimized Power Management System for Networked Embedded Application  
Guide : Dr. Sridhar Iyer, HOD, Dept of AI, KLE Tech University Dr.M.S.Sheshgiri Campus, Belagavi  
Dept. : Electrical & Electronics Engineering



Name : **Ravi Chikkanagoudar**  
Title : One-Dimensional Phenomenological Modeling of Shape Memory Alloy-Consistent Material Functions and Compatibility Conditions  
Guide : Dr. Chetan S. Jarali, Principal Scientist, Structural Technologies Divisions, CSIR National Aerospace Laboratories (NAL), Kodihalli, Bengaluru  
Co-Guide: Dr. Subhas F. Patil, Principal,  
Dept. : Mechanical Engineering



Name : **Vaibhav V Badgi**  
Title : A study on Black-Scholes Option Pricing Model in pricing options in India-an empirical research  
Guide : Dr. Pralhad Rathod, Asso. Prof. Dept. of Management studies, VTU Belagavi  
Dept. : MBA



Name : **Shankamma S. Kerur**  
Title : Adsorption studies on removal of hexavalent chromium and chlorophenol using activated carbon prepared from corn processing industry.  
Guide : Dr. M. S. Hanagadakar, Associate Professor, Dept. of Chemistry, Hirasugar, Institute of Technology, Nidasoshi, Karnataka  
Co-Guide: Dr. Ratnamala G. M., Senior Research Assistant, College of Engineering and Petroleum, Kuwait University, Al-Shadadiya Campus Kuwait  
Department: Chemistry

## Department of Engineering Science & Humanities (Feb-July 2023)

### I. Department Activities:

Four research scholars namely Sangeeta, Sachin Mekkalike, Pallavi Sangoli and Manjusha Patil were awarded with PhD degrees from VTU, Belagavi in the VTU convocation ceremony held in the month of July 2023. Scholars pursued their PhD under the guidance of Dr. Manjula Gudgeri, Dr. D. S. Revankar and Dr. B. S. Durgi, Mathematics Section.

#### Details of PhD Awardee

Name: Dr. Sachin M. Mekkalike  
Title of Thesis: On Distances in Graphs  
Name of Guide: Dr. B. S. Durgi



Name: Dr. Manjusha M. Patil  
Title of Thesis: Distance related concepts in Graph Theory  
Name of Guide: Dr. D. S. Revankar



Name: Dr. Pallavi Sangoli  
Title of Thesis: Some Domination Parameters in Graph Theory  
Name of Guide: Dr. Manjula C. Gudgeri



### II. Paper Publications in National/International Journals

1. Umesh Poojari, B. S. Durgi, Raghu Banakar, Degree Based Topological Indices of Line Graph of a Cayley Tree, TWMS J. App. and Eng. Math. V.13, N.1, 2023, pp. 309-326
2. Nandi, S.S., Adimule, V., Kerur, S.S., Gupta, A., Hosmane, S. and Batakurki, S., 2023. Electrochemical High-Performance Hybrid Supercapacitors of Carbon Nanosphere Doped 3D Zr (II) Linked 4-[[[(1E)-1-Hydroxy-3-Oxoprop-1-En-2-Yl] Sulfanyl] Benzoic Acid Metal Organic Frameworks. Advanced Materials Research, 1177, pp.87-100.
3. Nandi, S. S., Kerur, S.S., Adimule, V., Gupta, A., Thirumalaiyammal, B. and Mujafarkani, N., 2023. Properties and Applications of Dielectric Materials Derived from Metal-Organic Frameworks-A Review. Nano Hybrids and Composites, 39, pp.3-16.

## Department of Civil Engineering (Feb-July 2023)

### I. Department Activities:

#### 1. VishwaSangam- Technical Fest

The Department of Civil Engineering in association with KLE Dr. MSSCET AICTE IDEA LAB conducted "VishwaSangam" - A Two-Day National Level Students Technical Fest organized on 13<sup>th</sup> & 14<sup>th</sup> March 2023. The fest had 6 events that were Core and Multidisciplinary such as Technical Quiz, Bridge Modelling, CADD Clash, Model Making, Problem Solving and Tricky Surveying. The tech- fest had a huge response of 180+ participants from various colleges.



2. Site visit was conducted on 6<sup>th</sup> July 2023 for IV Semester students to newly inaugurated Belgaum Railway station to understand the steel structure connection details. Prof. Nikhil Jambhale, Dr. Veerendrakumar Khed, Prof. Abhijeet Baikerkar, Prof. Shivanand Mendigeri accompanied the students.



### 3. KSCST Projects Sanctioned & Bagged I Prize:

Stabilisation and Solidification of Mine tailing using Waste materials

Students: Komal Badde, Shruti Jadhav, Vaishnavi Badiger & Saurabh Shet

Guide : Prof. B.V. Chiniwalar



Fest' organized by Angadi. Institute of Technology & Management Belagavi on 11th & 12th May 2023	Chirag Pratap Ningnurkar (2KL20CV021)		
"Bridge Modeling" Event 'Two day National level students Technical fest' Viswasangam	Gautam Kanabarkar (2KL20CV024) Chirag Pratap Ningnurkar (2KL20CV021)	3rd Place	6th Sem B.E
"Poster Making" Event PRATIKRIYA 2023 organized by Goa College of Engineering Ponda on 20th & 21st April 2023	Chirag Pratap Ningnurkar (2KL20CV021)	1st Place	6th Sem B.E
"Blind Art " Event 'AURA 23' organized by GIT Belagavi on 16th to 18th March 2023	Chirag Pratap Ningnurkar (2KL20CV021)	2nd Place	6th Sem B.E
Bridge modelling at Vishakruti 2K23, D.Y Patil College Kolhapur on 4.5. 23	Yash Lad and Laxman	1st place	M.tech

## II. Seminars/Workshops/FDP attended by the staff:

1. R.V. Raikar, has attended 2 days BITES Annual Convention on 10th & 11th of Feb 2023 at Infosys campus, Mysuru organized by BITES.
2. Niveditha M. has attended 6 Day FDP Program on "Applications of Artificial Intelligence & Machine Learning in Civil Engineering" in association with Shree Xtra Fe550 TMT & Ultratech Cement Ltd., from 30th Jan to 4th Feb 2023 organised by DoCE, ACE Engineering College, Hyderabad.
3. Niveditha M. has participated in the course "Design of Ballasted Railway Track: Current Practices and New Developments from 3rd to 7th July 2023.
4. Prof. Kiran Hubli has participated one week FDP on "Research Methodology and Effective Teaching Skills" organized by Jain College of Engineering & Research, Udyambag, Belagavi in association with VTU, Belagavi from 15-20, May 2023.

## III. Students Achievements: (2023)

### A.




Nature of the Activity	Name of the students participated	Recognition/Awards received, if any	Semester
"Bridge Design & Construction" Event DYSSEY'23 ' A National level techno-Cultural Fest' organized by Jain College of Engineering Belagavi on 22nd & 23rd May 2023	Gautam Kanabarkar (2KL20CV024) Chirag Pratap Ningnurkar (2KL20CV021)	1st Place	6th Sem B.E
"Sherlock Holmes" Event VENCER-2K23 A National level techno- Cultural	Gautam Kanabarkar (2KL20CV024)	1st Place	6th Sem B.E



B. Our students won General Championship trophy in PRATIKRIYA on 20.4. 2023 held at GEC, Goa



**C. Department Rank Holders: M.tech. structural Engineering VTU Rank Holders 2021-22]**

Name of candidate	USN	Rank	PHOTO
Bharati Bhagoji	2KL20CSE06	I Rank to VTU with Gold Medal 2021-22	
Sahana Doddamani	2KL20CSE11	V Rank to VTU 2021-22	
Sushma Kudari	2KL20CSE17	IX Rank to VTU 2021-22	

**IV. PLACEMENT 2023**



**Zaki Ahmed Inamdar**  
Civil Engineering Student  
for getting placed in  
**planetspark**  
7.23 lpa



**Batch-2023**  
Department of Civil Engineering  
**Priyanka Ravindra Desai**  
placed in 4.25 lpa  
**AFCONS**  
AFCONS INFRASTRUCTURE LIMITED

**KLE TECHNOLOGICAL UNIVERSITY**  
Dr. M.S.Sheshgiri College of Engg. & Technology  
*Congratulations!*

**Batch-2023**  
9 Students got Placed in  
**PRISM RMC**  
Complete Concrete Solutions

**Yash Lad**  
M.Tech (Structural Engineering) → 5.1 LPA

**Amruta Hanchinze**  
B.E Civil Engineering → 4.7 LPA

**Harish Shinde**

**Pracheta Bhandekar**

**Janhavi Birje**

**Shruti Jadhav**

**Komal Bedde**

**Santosh Majagi**

**Shravani Rokade**

**Name of Company: TCS Ninja, Bangalore : 3.2 Lpa**

				
2KL19CV038	2KL19CV040	2KL19CV064	2KL19CV068	2KL19CV070
Pratik M Patil	Prithvik Mudigoudar	Somashekhar Hadimani	Teerthraj Supannavar	Varun Uppalinni

**Name of Company: ACMEGRADE, Bangalore : 4.0 – 6.0 Lpa**

						
2KL19CV019	2KL19CV051	2KL19CV058	2KL19CV065	2KL19CV071	2KL19CV083	2KL20CV416
Maheen Peerjade	Sandesh G Chavan	Shaun David	Spoorti V Kanabargi	Venkatesh Chintham	Zeeshan Bepari	Omkar S Hibare

**Name of Company: DXC, Bangalore : 4.2 Lpa**

				
2KL19CV033	2KL19CV063	2KL19CV036	2KL19CV045	2KL19CV076
Pallavi Hunagund	Shrillaxmi Kunchanur	Prajwal Patil	Ritesh Hattiholi	Vinayak Biranje

**Name of Company: KNEST, Pune : 3.5 Lpa**

		
2KL19CV076	2KL19CV418	2KL19CV042
Vinayak Biranje	Prasad U Jadhav	Rajshekar Torgal

**V. Paper Publications in International Journals**

- Basavaraj Katageri , Rajashri Khanai , Rajkumar V. Raikar, Dattaprasad A. Torse , Krishna Pai, 2023 “Surface Crack Detection Using Deep Learning Framework For Civil Structures” Journal for Structural Integrity and life Vol. 23, br.1, pp 31–37  
<https://divk.inovacionicentacs/ivk/ivk23/031-IVK1-2023-BK-RK-RVR-DAT-KP.pdf>
  - C.M.Patil,Shravankumar,B.Katageri,Purandara,Bekal.Lavanya, Bukke.Aditya,Hemchandra.sutar,C.Patil, A.H.Sutar,L.Bukke, P. Bekal “Characterization of a Waste water Stream (Bellary Nala, Belagavi, Karnataka) Using Conventional and Modelling Approach” Springer Nature Journal, published on 07/02/2023  
<http://link.springer.com/article/10.1007/s11270.023.06144-8>
  - Veerendrakumar C. Khed, “Effects of agro-industrial by-products as alumina-silicate source on the mechanical and thermal properties of fly ash based-alkali activated binder” ELSEVIER vol.18  
<https://doi.org/10.1016/j.cscm.2023.e02070>
  - Veerendrakumar C. Khed, “Impact of fire on mechanical properties of concrete and cement partial lyre placement with GGBS” Published in AIP Conference Proceedings 2759,issue 1 (May 2023)  
<https://doi.org/10.1063/5.0144445>
  - Veerendrakumar C. Khed, “Possibilities of bentonite based geopolymer concrete: A review Published in AIP Conference Proceedings 2426, issue 1 (May 2023)  
<https://doi.org/10.1063/5.0144106>
- Abhijeet Baikerkar, “Utilization of Waste Glass Powder and Waste Glass Sand in the Production of Eco-Friendly Concrete” Construction and Building Materials, Vol. No. Volume 377,2023,131078,ISSN 0950-0618, <https://doi.org/10.1016/j.conbuildmat.2023.131078>

**VI. Conference Paper Presentations:**

- Niveditha M has presented the research paper entitled “Laboratory Studies on Stone Mastic Asphalt with varying Fillers” at 2 days Internal Conference on “Sustainable Technologies in Civil & Environmental Engineering (ICSTCE 2023) held at Dr.D.Y. Patil Institute of Technology, Pune, Maharastra during 15th to 16th June 2023.
- Kiran Hubli has presented the paper titled “Design of Pre-Engineered Building (PEB) Structural Frame in International Conference on “Recent Advancements in Civil Engineering (RACE 2022) organized by DoCE, Oriental Institute of Science & Technology, Bhopal during Oct. 14-15, 2022.

**Department of Mechanical Engineering (Feb-July, 2023)**

**I.Department Activities:**

**1. Workshops Conducted under IDEA LAB**

SL No	Name of the Workshop	SL No
1	Skilling Program to KLE MBA Students, Belagavi	45
2	One Day Training to Jyoti International School students, Belagavi	50
3	Training on IoT for Mech. Engg. Students of the College	25

## Skilling Program to KLE MBA Students, Belagavi



## One Day Training to Jyoti International School students, Belagavi



## Training on IoT for Mechanical Engineering Students of the college



## II. Placement Record III

Company Name	No. of Students	Package in Lakhs
Eaton	1	7.9
TCS	7	3.6
DXC	12	4.2
Faurecia	1	5.5
Quest Global	2	3
Suvidha	2	4
Clarivate	2	4.5
SLK	3	3.2
Total	30	(Avg.) 4.5Lakhs

## III. Seminar Attended By Faculties:

**Topic:** 6 Weeks (60 hrs) live online Industrial Training on Machine Learning and Artificial Intelligence held on 22nd May – 30th June 2023, Organised by Edulakes Solutions LLP In Association with National Service Scheme(NSS)-IIT Roorkee

**List of staff Members:** Dr. Deepak C Patil, Dr. Ravi G Lingannavar, Sadiq A Pachapuri, Nagaraj K Kelageri, Sanjeev A Janawade, Ramesh H Katti, Basavaraj G Kaujalgi, Santosh N Nandurkar.

## IV. Paper Publications in National/International Journals:

- Gadagi, Amith H., and Chandrashekar Adake 2023. Computational performance comparison of multiple regression analysis, artificial neural network and machine learning models in turning of GFRP composites with brazed tungsten carbide tipped tool." Journal of Computational & Applied Research in Mechanical Engineering (JCAME) 12.2: 133-143.
- B. Nageswar Rao, N.R. Banapurmath, Vinay Atgur, Mallesh B. Sanjeevannavar, A.M. Sajjan, ChandramouliVadlamudi, Sanjay Krishnappa, T.M. Yunus Khan, 2023 "Utilization of additives in biodiesel blends for improving the diesel engine performance and minimizing emissions through a modified Taguchi approach", Heliyon, Volume 9, Issue 6, E16950.
- N. K. Kelageri, Deepak C. Patil and Santosh Nandurkar, 2023 "Parametric Study of Stiffened Composite Structures Using Design of Experiments", Lecture Notes in Mechanical Engineering, DOI: 10.1007/978-981-19-4140-5\_6, pp. 59–67
- Daing Nafiz, Rasid M. A. H., Ahmad Fitri, Santosh Patil, Mohammed Sadiq A Pachapuri 2022, Wear characteristics of 3d printed plastic gear with different infill percentage, Composites Mechanics Computations Applications An International Journal 14(2) DOI:10.1615/CompMechComputApplIntJ.2022044860
- S. B. Angadi, M. Nagaral, V. Pilankar, P. Yarnalkar, B. Purohit and S. Shewale. Assessment of Mechanical Behaviour and Microstructure of Micro Boron Carbide Particles Reinforced Al2011 Alloy Metal Matrix Composite for Aerospace Applications, Int. J. Vehicle Structures & Systems Volume 15, Issue-02, ISSN: 0975-3060, eISSN: 0975-3540. doi: 10.4273/ijvss.15.2.21

## Department of Computer Science & Engineering (Feb-July, 2023)

### I. Department Activities:



The farewell function for 8th semester students and the closing ceremony of ACE & CSI activities was conducted on 20/05/2023. Our alumni Mr. Aditya S. Prabhu was the guest of honor.

## II. Workshops Conducted:



A Peer to Peer workshop on “Titbits of Markupz” conducted under CSI chapter on 10th & 11th February 2023 for the students. Prof. Savita Bakare & Dr. Santosh Pattar coordinated the workshop. Our Students Mr. Dhruv Patil, Mr. Rashid Nadaf, Ms. Varshini Agasagi, Mr. Vishwa Angolkar, Mr. Swapnil Mannurkar, Mr. Vinayak Hiremath, Mr. Adinath Nikam delivered the speech on various topics.



Workshop on “Statistical Discovery Using JMP®” conducted for the faculty members of our college by Dr. Muralidhara, JMP Global Academic Team on 30th & 31st March 2023. Dr. Rajashri Khanai coordinated the workshop.



The Department of Computer Science and Engineering organized Hands-on Workshop on Exploratory Data Analysis for 4th Semester CSE students on 6th July, 2023, through its CSI Student Branch.

Dr. Muralidhara Anandamurthy, Head, Academic Program at JMP was invited as the resource person for the workshop.

Workshop Outcome: Students were given project ideas and a poster presentation for the same was held on 22 July, 2023.

## III. Seminars / Workshops Attended

SN	Name of the Faculty	Type	Details of Training FDP/SDP	Organized by	Date
1	Dr. Rajshri Khanai	External	BITES Annual Convention 2022	By BITES Infosys Campus, Mysore	10th & 11th Feb,23
2	Dr. Prema T. Akkasaligar	External	IEE International Conference on Integrated Circuits and Communication systems	Dept. of EC, HKE Society's SLN College of Engineering	24th & 25th Feb,23
3	Dr. Prema T. Akkasaligar	External	Artificial Intelligence Symposium	UNIVERSITY OF SOUTH DAKOTA, Computer Science, Math and Physics College of Arts & Science	28TH March 2023
4	Dr. Rajashri Khanai	Online	Foundation of Cloud IoT Edge ML	Elite NPTEL Online Certification) founded by the MoE, Govt. of India)	Feb-Apr 2023
5	Prof. Priyanka Gavade	External	Python for Data Science	Infosys Spring Board	31/05/2023
6	Prof. Bharati Chilad	External	3 Days FDP on “AI & ML for Researchers”	Dept. of Computational and Data Sciences, IISc Bangalore.	23rd to 25th March 2023.
7	Prof. Bharati Chilad	Online	AI Applications for Engineers	NIT Warangal and Symbiosis Institute of Digital and Telecom Management.	23rd Jan. to 1st Feb. 2023.

## IV. Guest lectures



1. A technical talk on “Digital Health” conducted on 27th April 2023. Dr. Suresh Munuswamy, Professor & Director Digital Health was the resource person.



2. A technical talk on “Security and Privacy: Block chain Technology and Its Applications” was conducted on 19th May 2023. Dr. Shrikant Tangade, PostDoctoral Research Fellow, University of Padova, Italy was the resource person.



3. An invited talk conducted on “FOG Computing” under CSI chapter on 28/06/2023. The resource person was Dr. O. P. Verma, Professor and HOD of ECE, Delhi Technological University Delhi. Dr. Prema T. Akkasaligar coordinated the event.

## V. Student Achievements:

- Dhiraj Angadi, VI semester B.E. is runner up of “TCS Tech Bytes” a state level IT Quiz event Finals held on 5/4/2023 at Bangalore. Received the Prize amount of Rs.50,000/-.
- Riya Kakodkar, Chandan P. Satwani, Chandsab Engineer of IV semester B.E. attended the “3D Computer Vision Summer School – 2023” at IIIT, Hyderabad.
- C Spoorthi of VI semester participated in “Summer School on Graphics & Vision” supported by Mohit Aron Endowment Fund held from 5th June to 14th July 2023 at Department of Computer Science & Engineering, Indian Institute of Technology, Delhi.

## VI. Placement Record

Sl. no	USN	Name of Student	Name of Company	Package
1	2KL19CS021	Deepak R Shirur	Byjus	7 LPA
2	2KL19CS051	Nivedita Melage	Byjus	7 LPA
3	2KL19CS105	Sumanth Sajan	Byjus	7 LPA
4	2KL20CS400	Adinath A Nikam	Continental	6 LPA
5	2KL19CS070	Revati Viroopaxi	Continental	6 LPA
6	2KL19CS079	Sahil A Nasardi	Continental	6 LPA
7	2KL19CS085	Samruddhi M Patil	Continental	6 LPA
8	2KL19CS086	Samruddhi Patil	Continental	6 LPA
9	2KL19CS107	Swarali Koti	Continental	6 LPA
10	2KL19CS111	Vaishnavi Hosur	Continental	6 LPA

Sl. no	USN	Name of Student	Name of Company	Package
11	2KL19CS045	Meghana Devadiga	Continental	6 LPA
12	2KL19CS003	Aishwarya Vernekar	Fidelity	3.25LPA
13	2KL20CS404	Darshan Patil	Fidelity	3.25LPA
14	2KL19CS044	Megha S Konnur	Fidelity	3.25LPA
15	2KL19CS049	Neha R Aralimatti	Fidelity	3.25LPA
16	2KL19CS090	Shashidhar Chavan	Fidelity	3.25LPA
17	2KL20CS400	Adinath A Nikam	Fidelity	3.25LPA
18	2KL20CS405	Durga Mane	Fidelity	3.25LPA
19	2KL19CS052	Padmavati Bandiwaddar	Kodnest	2.6 LPA
20	2KL19CS097	Shrujal Kulkarni	Kodnest	2.6 LPA
21	2KL19CS124	Vishwa Angolkar	Mercedes Benz	10 LPA
22	2KL19CS114	Varshini Agasagi	Mercedes Benz	10 LPA
23	2KL19CS096	Shreyansh B Ladage	Mercedes Benz	10 LPA
24	2KL19CS086	Samruddhi Patil	Mercedes Benz	10 LPA
25	2KL19CS017	D Radha	Mercedes Benz	10 LPA
26	2KL19CS055	Pooja Chougule	Mercedes Benz	10 LPA
27	2KL19CS069	Rashid Ahmed nadaf	Mercedes Benz	10 LPA
28	2KL19CS003	Aishwarya Vernekar	Mercedes Benz	10 LPA
29	2KL19CS057	Prabhu Dhang	Mercedes Benz	10 LPA
30	2KL19CS015	Bhavana V Patil	Microland	3.5 LPA
31	2KL19CS110	Umair Mujawar	Microland	3.5 LPA

## VII. Staff Academic Activities

1. Dattaprasad Torse received a VGST grant of 15 lakh from VGST for his project "Development of Internet Medical Things (IoMT) based Health Informatics Laboratory –Deep Health Info Lab."
2. Rajashri Khanai has completed the article review for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section.
3. U. V. Somanatti is reviewer for First IEEE International Conference on Data Science and Network Security (ICDSNS-2023) organized by Kalpataru Institute of Technology, Tiptur on 28th & 29th July 2023.

## VIII. Paper Publications in National/International Journals

1. Jolad, Bhuvaneshwari, and Rajashri Khanai.2023 "An approach for speech enhancement with dysarthric speech recognition using optimization based machine learning frameworks." International Journal of Speech Technology : 1-19.
2. Iyer, S., Khanai, R., Torse, D., Pandya, R. J., Rabie, K. M., Pai, K., ... & Fadlullah, Z. 2023. A survey on semantic communications for intelligent wireless networks. Wireless Personal communications 129(1), 569-611.
3. Torse, D. A., Khanai, R., Pai, K., Iyer, S., Mavinkattimath, S., Kallimani, R., & Shahpur, S. 2023. Optimal feature selection for COVID-19 detection with CT images enabled by metaheuristic optimization and artificial intelligence. Multimedia Tools and Applications, 1-31.
4. S. Iyer, R. Pandya, R. Khanai, D. Torse, K. Pai and R. Kallimani,2023 "Semantic Communications enabled Intelligent Wireless Networks," 10th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, pp. 64-69, doi: 10.1109/SPIN57001.023.10117354.
5. Shahapur, Salma S., Rajashri Khanai, and D. A. Torse.2023 "FSRCLP: Fuzzy Based Secure Reliable Cross Layer Protocol for Underwater Acoustic Communication."Wireless Personal Communications 129.4: 2813-2828.

6. Kalkhambkar, Geeta, Rajashri Khannai, and Pradeep Chindhi.2023 "A Novel Diagonally Symmetric Fractal Antenna with Wideband Characteristics for Internet of Things Applications." Progress In Electromagnetics Research C 131: 145-158.
7. Kulkarni, P., Khanai, R., Torse, D., Iyer, N., and Bindagi, G. 2023. Neural Crypto-Coding Based Approach to Enhance the Security of Images over the Untrusted Cloud Environment. Cryptography, 7(2), 23.
8. Chindhi, P., Rajani, H. P., Kalkhambkar, G., Khanai, R. 2023. Design and Optimization of Low-Cost RF Energy-Harvesting Circuit. Intelligent Technologies for Sensors: Applications, Design, and Optimization for a Smart World, 305.
9. Gavade, A. B., Nerli, R., Kanwal, N., Gavade, P. A., Pol, S. S., & Rizvi, S. T. 2023. Automated Diagnosis of Prostate Cancer Using mpMRI Images: A Deep Learning Approach for Clinical Decision Support. Computers, 12(8), 152. <https://doi.org/10.3390/computers12080152>.
10. Manisha T. Tapale, Mahantesh N. Birje, R. H. Goudar, C. M. Rakshitha, Blockchain Technology Review : Consensus Mechanisms and Applications, International Journal of Engineering Trends and Technology, Volume 71 Issue 5, 27-39, ISSN: 2231–5381 / <https://doi.org/10.14445/22315381/IJETT-V71I5P204>

## IX. Patents applied/Granted

1. Basavaraj Katageri, R. V. Raikar, Rajashri Khanai, Swati Mavinkattimath, Dattaprasad Torse and Nalini Iyer. "Hardware accelerator for wireless body sensor network", filed on 04/02/2023, Published on 24/02/2023. [Application No. 202341007210 A] [Published]
2. Basavaraj Katageri, R. V. Raikar, Rajashri Khanai, Rakhee Kallimani, Mr. Krishna Pai, Dattaprasad Torse, Praveen Ghorpade, Atharav R Gadvi, Shruti P Kakatkar, Sanket G Shanbag and Ms. Komal Gokak "A portable and compatible air pollution detector and purifier with CAO granules based filter" filed 21/02/2023, Published on 17/03/2023. [Application No. 202341011632 A] [Published]

## X. KSCST Projects Sanctioned

- A final year project By Sahil A. Nasardi, Samarth S Sheelin, Samruddhi M Patil, Swarali Koti, entitled "Frustration detection on amazon text reviews using k- nearest neighbour, naive bayes and logistic regression" guided by Savita M Bagewadi, selected for KSCST 46th Series 2022-2023.
- A final year project by RUTU U KANCHI, DEEPAK R SHIRUR, MALLANAGOUDA HONARADDI, VANISHRI MASANAIAK, entitled "MEDICAL REPORT MANAGAMENT USING BLOCKCHAIN TECHNOLOGY" guided by U. V. Somanati, selected for KSCST 46th Series 2022-2023.
- A final year project by Pranav Athanimath, Swati Hadakar, Pranav Adake, Megha Konnur, entitled "Voice based e-mail service for visually impaired people" guided by Anirudha Potdar, selected for KSCST 46th Series 2022-2023.
- A final year project by Pranav Gurav, Satyam Vijay, Neha Desai, Nivedita Melage entitled "Demand forecasting for pharmacy store using data mining techniques" guided by U V Somanatti, selected for KSCST 46th Series 2022-2023.
- A final year project by Samruddhi Patil, Neha R Aralimatti entitled "Graph theory application in critical path analysis using tiny ML algorithm" guided by Dr Rajshri Khannai, Dr R.V Raikar, selected for KSCST 46th Series 2022-2023.

## **XI. Programs/Activities carried out focusing towards Social Sector Responsibility**

Final year B.E. students carried out various social activities to earn AICTE activity points, as part of their curriculum. Few examples are given below.

- Educated school students about basics of Computers.
- Designed various games to kids to learn English communication.
- Proposed system to avoid various road curve accidents.
- Awareness on Segregation of Waste & Wet Waste
- Tree plantation to create awareness to protect our environment
- A camp conducted in nearby village to train digital transactions.

## **Department of Electronics & Communication Engineering (Feb-July, 2023)**

### **I. Department Activities:**



Linear integrated circuits Project and Poster Presentation was held on 22nd July 2023 for 4th semester students, D A Torse and Arun S Tigadi coordinated the event.

### **I. Workshops Attended**



Sushant Jadhav attended 5 days workshop on ARM Microcontroller Programming and Control System conducted by KLE Technological University Hubballi from 23rd to 27th May 2023

### **II. Workshops Attended**



Sushant Jadhav attended 5 days workshop on ARM Microcontroller Programming and Control System conducted by KLE Technological University Hubballi from 23rd to 27th May 2023

### **III. Guest Lecture:**

1. D. A. Torse delivered a guest lecture on Teaching Pedagogy at Sharad Institute of Technology, Ichalkaranji during an ISTE FDP on 15th June 2023.
2. Arun S Tigadi delivered a guest lecture on Recent Trends and Opportunities in VLSI at Hirasugar Institute of Technology, Nidasoshi on 7th March 2023.

### **IV. Placement Record:**

#	Name of Student and Contact details	Company Name	Package
1	Kevi Rodrigues	Allegion	650000
2	Muh.Huzaifa Nizamuddin Patel	TCS Digital	700022
3	Soumya Hugar	Allegion	650000
4	Ashutosh Atnoor	Apra Labs	650000
5	Nandish Karani	Clarivate	750000
6	Pranali Ganapat Kedar	Clarivate	750000
7	Vijay Devalapur	Continental	600000
8	Laxmi Hipparagi	DXC Technologies	420000
9	Aditya Desai	DXC Technologies	420000
10	Aishwarya Chamakeri	DXC Technologies	420000
11	Aishwarya Patil	DXC Technologies	420000
12	Amarantha Kulkarni	DXC Technologies	420000
13	Annapurna Kumbar	Elecbrobit	700000
14	Arpita Agarkhed	DXC Technologies	420000
15	Deepali Raikar	Smart soc	600000

#	Name of Student and Contact details	Company Name	Package
16	Deepthi M Naik	DXC Technologies	420000
17	Manjunath Managur	DXC Technologies	420000
18	Laxmi S Harlapur	DXC Technologies	420000
19	Shreya Inamdar	DXC Technologies	420000
20	Hrishikesh Jigajinni	DXC Technologies	420000
21	Mahesh Chandra S	DXC Technologies	420000
22	Meghana M Khadabadi	DXC Technologies	420000
23	Pallavi Koli	DXC Technologies	420000
24	Pranita Prashanth Kallimani	DXC Technologies	420000
25	Sandeep Hongal	Embitel	500000
26	Shreya Patil	DXC Technologies	420000
27	Shreyas Shaha	DXC Technologies	420000
28	Sneha Patil	Ignatarium	500000
29	Soundarya Vandure	DXC Technologies	420000
30	Sunilkumar Hiremath	Doshaheen	400000
31	Vaishnavi Halyal	DXC Technologies	420000
32	Vaishnav Lohar	DXC Technologies	420000
33	Vinay Sajjan	DXC Technologies	420000
34	Vinuta Patil	DXC Technologies	420000
35	Vishwas Dumale	DXC Technologies	420000
36	Ankita Jogalekar	Ecolabs	984000
37	Dhiraj Inchalkaranji	Ecolabs	984000
38	Anup Majukar	Elecbrobit	700000
39	Praful Naikar	Elecbrobit	700000
40	Pragati Patil	Elecbrobit	700000
41	Radhika Kadam	Elecbrobit	700000
42	Samata Savadi	Elecbrobit	700000
43	Shivaling Kumbar	Elecbrobit	700000
44	Aditya Ingale	Embitel	500000
45	Rashmi Kulkarni	Embitel	500000
46	Trupti N Kavadi	Vitesco	600,000
47	Veena Pujeri	Vitesco	600,000
48	Tejashwini Mashyal	Intimetech	550000
49	Sakshi Devale	Microchip Technologies	1000000
50	Mayur Kulam	Mistral Solutions	500400
51	Rachana C K	Mistral Solutions	500400
52	Vallabh Bhat	Mistral Solutions	500400
53	Apoorva Megulkar	SLK softwares	320000
54	Ashwini Sunadholi	SLK softwares	320000
55	Prateeksha	SLK softwares	320000
56	Mohammed Zuber	SLK softwares	320000
57	Nikhil Chougule	SLK softwares	320000
58	Sammed Sheri	SLK softwares	320000
59	Sejal Bandekar	SLK softwares	320000
60	Shivaling Wanegaon	SLK softwares	320000
61	Santosh Hanabar	TCS Digital	700022
62	Vaishnavi Wayachal	TCS Digital	700022
63	Aishwarya Pradeep Uttur	TCS Ninja	336877
64	Anita Chikkajambagi	TCS Ninja	336877
65	Chandani Shivkumar Lotlekar	TCS Ninja	336877
66	Siddarth Mayannavar	TCS Ninja	336877
67	Girish Dalawai	TCS Ninja	336877
68	Indrajeet Huchchannavar	Continental	600000
69	Jyoti R Kenchannavar	TCS Ninja	336877
70	Leelavati Inchal	TCS Ninja	336877
71	Mahantesh Kannur	TCS Ninja	336877
72	S Suguresh	TCS Ninja	336877
73	Savita Patil	TCS Ninja	336877
74	Sharan Naganuri	TCS Ninja	336877
75	Shrusti Tegginamani	TCS Ninja	336877
76	Vinayak Karoshi	TCS Ninja	336877
77	Shambavi Pujeri	Vayavya Labs	450031
78	Madhura Bhasme	Acme grade	600000
79	Priyanka Kagwad	Microland	350000

## **V. Staff Academic Activities:**

1. Rudrappa B Gujanatti attended a 3 day workshop on Instructional School on AI and ML for Researchers organised by Kotak IISc AI-ML Centre (KIAC) held at Bangalore from 23rd - 25th March 2023.
2. Swati Mavinkattimath attended a 3 day workshop on Instructional School on AI and ML for Researchers organised by Kotak IISc AI-ML Centre (KIAC) held at Bangalore from 23rd - 25th March 2023.
3. D. A. Torse topped an 8 Weeks NPTEL course "Foundation of Cloud IoT Edge ML" in April 2023.
4. Arun Tigadi Completed a NPTEL course "Programming in Python " in February 2023
5. Arun Tigadi attended 5 days online workshop on "VLSI for beginners " conducted by NIELIT Calicut from 10th -14th June 2023
6. A project titled HEALTH MONITORING SYSTEM USED IN WIRELESS BODY SENSOR NETWORK submitted by students Ankita Dattatreya Jogalekar, Madhura V Bhasme, Chandani Shivkumar Lotlekar, Jayraj Modgekar and guided By Swati Mavinkattimath was funded Rs. 7,000/- by KSCST in April 2023.

## **VI. Paper Publications in National/International Journals:**

1. Manage, P.S., Naik, U. and Rayar, V. 2023 "Optimization Algorithms for MIMO Antennas: A Systematic Review" in Wireless Personal Communication 131, 105–139. <https://doi.org/10.1007/s11277-023-10420-5>
2. Ghatge Vaishnavi, Alur Vaishnavi, Hadapad Shivani, Patil Snehal, Dr.Arun Tigadi, Kulkarni Sadanand, & Gujanatti Rudrappa, 2023, "Hyperspectral Image based Crop Classification enabled by Machine Learning," in Section A-Research paper 1628 Eur. European Chemical Bulletin. 12. 1628-1640. 10.31838/ecb/2023.12.si4.142.
3. Kulkarni, Pallavi, Rajashri Khanai, Dattaprasad A. Torse, 2023"Neural Crypto-Coding Based Approach to Enhance the Security of Images over the Untrusted Cloud Environment." Cryptography Journal vol.7.2 2023.
4. Shahapur, Salma S., Rajashri Khanai, and D. A. Torse, 2023"FSRCLP: Fuzzy Based Secure Reliable Cross Layer Protocol for Underwater Acoustic Communication." In Wireless Personal Communications journal Vol. 129.4
5. Vijay Rayar, Udaykumar Naik and Prabhakar S. Manage, 2023 "A RSS based path loss model approaches multi-dimensional scaling to localize 2D sensor nodes in WSN." in Peer-to-Peer Networking and Applications on 5th April.

## **VII. Conference Paper presentation:**

1. V. S. Naik, M. Kannur, S. Naganuri, S. A. Patil, and P. S. Manage, "Performance Analysis of Dual Band Antenna with Multiple Slots," in 2023 4th International Conference for Emerging Technology (INCET), May 2023, pp. 1–5. DOI: 10.1109/INCET57972.2023.10170260.
2. A paper titled "Semantic Communications enabled Intelligent Wireless Networks" was presented by Sridhar Iyer, Rahul Pandya, Rajashri Khanai, Dattaprasad Torse, Krishna Pai, Rakhee Kallimani in IEEE Conference 2023 10th International Conference on Signal Processing and Integrated Networks (SPIN) on 23/03/2023.

## **Department of Electrical & Electronics Engineering (Feb-July, 2023)**

### **I. Department Activities:**



1. College Women Empowerment club organized International Women's day celebration on 8th March. Mrs Bhagyashree Kamat and Mrs Avanti Patil proprietors of Bay Leaf Studio were the chief guests of the program. Event was coordinated by Uma Kulkarni.



2. Department of Electrical and Electronics organized project exhibition and competition on 28th April for the final year students. Mrs. Aishwarya Jadhav our Alumni and Assistant Engineer at MSEB was invited as the judge. Three projects prizes were given away by VISSA. Event was coordinated by Nalini Karchi.



3. The department organized farewell program for the final year students on 3rd June-2023, Mr. Anurag Walawalkar our Alumni and CEO of the company Fluid Power Automation was the chief guest of the function.
4. IEEE Student Branch, WIE Affinity Groups, KLE Tech University , Dr. M.S.Sheshgiri Campus,Belagavi organized the Webinar titled "2-D Biosignal Processing for Automation in Disease detection based on Deep Neural Networks" on 21st July 2023, 19:00 (07:00 PM) IST Speaker: Celia Shahnaz, Professor, Dept. of EEE, Bangladesh University of Engineering and Technology.
5. IEEE Student Branch, KLE Dr MSSCET in association with IEEE Bangalore Section, IEEE NKSS and IEEE ITS Chapter organized the Webinar titled "Learning-based Efficient and Fast Access Methods for beyond-5G Wireless Communications" on 7th July 2023, 19:30 (07:30 PM) IST. Speaker: Thushan Sivalingam.
6. University of Oulu, Finland. Doctoral Researcher. Centre for Wireless Communications- IEEE Student Branch KLE Tech University, Dr. M.S.Sheshgiri Campus,Belagavi ,(STB50295) had a fabulous session delivered by Henrik Hellström on "Exploiting Electromagnetic Interference to Compute Functions in the Air" 30/06/2023.



Our Student Rohit Hagalambi was felicitated for securing 10th Rank to VTU on 31st July 2023



Health check-up camp was conducted for the non-teaching faculty of our college at KLE Hospital by KLE SECW (KLE Swashakti Empowerment Cell for Women) on 27th and 28th July 2023. The event was organized by Uma Kulkarni coordinator of SECW.

## II. Staff Academic Achievements:

1. S.K.Sushant, Nagabhushan jnaneshwar Choudhari, ShishirPatil, M.K.Rendale, S.N.Mathad and A.T.Pathan; 2023 Development of M-NiFe<sub>2</sub>O<sub>4</sub>(Co,Mg,Cu,Zn and Rare Earth Materials) and the Recent Major Applications, International Journal of self Propogating High-Temperature synthesis, No 2, p.61-116 Springer nature. doi.org/10.3103/s1061386223020061
2. Nalini Karchi and Deepak Kulkarni published a paper on Adaptive LMS MPPT Controller and Adaptive Inverter Control Law to Control the Solar Photovoltaic System in American Journal of Electrical Power and Energy Systems. Vol. 12, No. 2, 2023, pp. 32-39. doi: 10.11648/j.epes.20231202.12
3. Uma Kulkarni Ashwini Desai and Aditya Ingale published a paper titled "Five point strategy to augment teaching learning process" in JEET (Journal of Engineering Education Transformation) doi: 10.16920/jeet/2023/v36i4/23119.
4. Rakhee Kallimani, Sridhar Iyer & Rahul J Pandya 2023 Performance analysis of a stochastic wireless sensor node based on Markovian queuing theory, Journal of Cyber Security Technology, DOI: 10.1080/23742917.2023.2239590.
5. Krishna Pai, Rakhee Kallimani, Sridhar Iyer, B. Uma Maheswari 2023; A Survey on Brain-Computer Interface and Related Applications, Machine Intelligence for Internet of Medical Things: Applications and Future Trends Computational Intelligence for Data Analysis 2: 210. ttps://lnkd.in/dx223C3u
6. S. Iyer, R. Pandya, R. Khanai, D. Torse, K. Pai and R. Kallimani, 2023 "Semantic Communications enabled Intelligent Wireless Networks," 10th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, pp. 64-69, doi: 10.1109/SPIN57001.2023.10117354.
7. Uma Kulkarni was the chief guest for the International Women's Day celebration at B.V.Bellad law College Belagavi and gave a lecture on Innovation and Technology for Gender Equality on 11th March 2023.
8. Shishir Patil attended one week FDP on "Arm Microcontroller Programming And Control Systems" organized by school of E&C, Kle Tech Hubballi in collaboration with Edu Tech India Pvt Ltd, from 23rd May to 27th May 2023.

9. RakheeKallimani delivered an online interactive learning session on "Artificial Intelligence in Electric Vehicles: A Revolution in Automotive Technology" organized by Google Developer Groups Woman Tech Makers. The session discussed the current state of art in Electric Vehicles. Impact of Artificial Intelligence in EV, its challenges and Limitations with a future outlook for AI in Electric Vehicles.
10. Debraj Sarkar Completed Udemy Course on C programming for beginners - Master the C language.

## III. Student Achievements:

1. Our students were the winners for the interdepartmental volley ball tournament.
2. Student Project: "Sign language recognition and text conversion" was selected for the 46th series of KSCST sponsorship. **Team Members:** Sneha Chougale, Girish Soman, Chetan Yaragattimath, Ruchita Kurane. Guided By Dr. Rakhee Kallimani.
3. 33 students were placed in various companies with a highest package of 9LPA
4. Rohit Hagalambi secured 10th Rank to VTU.



## Department of Chemical Engineering (Feb-July, 2023)

### I. Department Activities:

#### A. Workshop:

A workshop on MATLAB was organised on 03.07.2023.  
Resource Person: Prabhakar Manage, Placement Officer.



#### B. Industrial Tours:








1. An Industrial Visit to ShashiSidal Foods Pvt. Ltd. Sanikop was organized for IV-semester students on 14.06.2023



An industrial Visit to Aditya Birla Chemicals Ltd. (ABCL), Karwar, was organized for VI-semester students on 23.05.2023.



## II. RANK HOLDERS (VTU Ranks):

Sl. No	USN	Name of the Student	CGPA	Rank	Photo
1	2KL19CH004	Avantika Savakar	9.74	I & 5 Gold medals	
2	2KL19CH027	Sakshi Jadhav	9.46	II	
3	2KL19CH032	Sharad Sankpal	9.23	III	
4	2KL19CH023	Ritu Kangralkar	9.05	V	
5	2KL19CH035	Shunali Kutre	9.02	VI	
6	2KL19CH011	Khushi Mastiholi	8.94	VII	
7	2KL19CH026	Rushikumar Ambli	8.91	IX	

## III. Placement Record:

Sl No	Name of the students	Company	Package
1	Abhilash Kore	AEQUS	300000
2	Krishna	AKXA Tech. Pvt. Ltd., Belagavi	220000
3	Muh.Musaub Sangoli	Hexlattice Materials Pvt. Ltd., Belagavi	315000
4	Nihal Shelke	AEQUS	300000
5	Ramappa Teli	AEQUS	300000
6	Ritu Kangralkar	Hexlattice Materials Pvt. Ltd., Belagavi	315000
7	Shreya Kamble	Hexlattice Materials Pvt. Ltd., Belagavi	315000
8	Siddhant Patil	Hexlattice Materials Pvt. Ltd., Belagavi	315000
9	Suprith V.	Mehler Engineered Products India Pvt. Ltd., Bengaluru	250000
10	Tanish Patil	Hexlattice Materials Pvt. Ltd., Belagavi	315000
11	Tulsi Varute	AEQUS	300000
12	Venkatalakshmi	AKXA Tech. Pvt. Ltd., Belagavi	220000

## IV. Paper Publications in National/International Journals:

- Kadapure, Santosh Ashok, Umesh B. Deshannavar, Basavaraj G. Katageri, and Poonam S. Kadapure. 2023 "A systematic review on MICP technique for developing sustainability in concrete." European Journal of Environmental and Civil Engineering: 1-17.
- Malade, Litesh V., Umesh B. Deshannavar, Abhijeet D. Patil, and Rahul A. Patil. 2023 "Parametric studies of degradation of reactive red 120 by a novel approach of hydrodynamic cavitation." Materials Today: Proceedings 80: 744-746.
- Deshannavar, Umesh B., Baskaran Sivaprakash, Natarajan Rajamohan, Basavaraj G. Katageri, Amith H. Gadagi, Prasad G. Hegde, Santosh A. Kadapure, Mayur Sutar, Madhura Karanth, and Tejashwini Naykar. 2023 "Bioremediation of turquoise blue by Mangifera indica—particle swarm optimisation and kinetic modelling." Biomass Conversion and Biorefinery: 1-16.

## Department of Biomedical Engineering (Feb-July, 2023)

### 1. Department Activities:

- An annual In-House Management-Cum-Technical Event was conducted, "Product Analysis Competition 2022" on 28th May 2022, at KLE Dr. MSSCET, Belagavi. The event was graced by the presence of esteemed dignitaries Mr. Sunil Chaudhari CEO, Competent Systems, Pune, Dr. Prayag Gokhale, HOD of MBA and Ms. Nandita B. Yenagi CEO, Adaptive Agritech Solutions and Teknovator Solutions, Belagavi.



- A Talk on "Trends and Opportunities in Biomedical Engineering" by Mr. Sunil Chaudhari, CEO Competent Systems, Pune was organized to all the Biomedical Engineering Students and Staff on 30th May 2022.



- A Talk on "Applications of Machine Learning" by Mr. Prashant Dhope, Assistant Professor in VTU PG Centre, VTU, Belagavi was organized for all the Biomedical Engineering Students and Staff on 29th June 2022.



### 2. Student Achievements:



**Simran S. Revankar**  
1st Rank  
9.05 CGPA



**Muskan F. Angolkar**  
2nd Rank  
8.98 CGPA



**B. N. Lalith**  
4th Rank  
8.93 CGPA



**Ananya Sharma**  
6th Rank  
8.84 CGPA

- There were 4 VTU Rank Holders in the BE degree Examination of BME Branch held by VTU during August 2021. And Ms. Simran S. Revankar secured 1st rank to VTU in Biomedical Engineering with Gold Medal.
- Vaishnavi Bagewadi of 4th Semester has won following prizes:
  - 1st prize in Solo dance at "Talent Hunt 2022" held on 17th March 2022.
  - 3rd prize in group dance in "Trident 2022" held on 11th June 2022.
  - 1st place in Badminton Women's Singles held on 25th June 2022.
  - 1st place in Badminton mix doubles held on 25th June 2022.
- Keerti Solanki of 4th Sem, Siddhanti Savant, Akshata Chadichal and Soundarya Angadi of 8th Sem were the runners up for inter branch "Tug of War" Competition held on 17th and 18th June 2022 at KLE Dr. MSSCET, Belagavi.
- Keerti Solanki of 4th Semester and Siddhanti Savant of 8th Sem secured the 2nd place for inter branch "Women's 4 x 100 mts relay Competition" held on 17th and 18th June 2022 at KLE Dr. MSSCET, Belagavi.
- Keerti Solanki, Apeksha V Vardhamane and Ankita Garde of 4th Sem were the winners of Inter Branch "Throw Ball Tournament" held on 2nd July 2022 at KLE Dr. MSSCET, Belagavi.
- Keerti Solanki of 4th Sem was the runner up of Inter Collegiate Zonal Tournament held on 7th June 2022.
- Keerti Solanki of 4th Sem was the winner of Student verses Staff "Throw Ball Championship" held on 15th March 2022 by Women Empowerment Club at KLE Dr. MSSCET, Belagavi.

### 3. Placement Details:

- 3 Students of 6th Semester got placed in DXC Technology



**Anusha Ganesh**



**Ravindra Makamani**



**Vibha H. S.**

- 5 students of 6th Semester got placed in TCS



**Anusha Ganesh**



**Sonali Naik**



**Sharmada Kashikar**



**S. Simran**



**Mahalaxmi Echalgur**

## PhD Award:

1. Mr. Shreevijay Itannavar Research scholar, Department of Biomedical Engineering is awarded with PhD by VTU Belagavi, for Thesis title "Artificial Intelligence Based Computer Aided Diagnosis of Breast Cancer Detection Using Image Processing" under the guidance of Dr. R H Havaladar.



## Patent:

1. Indian Patent granted on "Dental Camera for Intraoral Dental Measuring" Design number 358714-001 dated 17.02.2022 to Dr. R H Havaladar, Department of Biomedical Engineering.

## 4. Paper Publications:

1. S. S. Itannavar, R. H. Havaladar 2023, "Segmentation of breast masses in mammogram image using multilevel multi-objective electromagnetism-like optimization algorithm", Hindawi Publications, Biomed Research International Journal, Volume 2022, Article ID 8576768, DOI: <https://doi.org/10.1155/2022/8576768> (SCI, SCOPUS, WOS Indexed)
2. Meghana Khare, Raviraj Havaladar, 2023 "Predicting the anterior slippage of vertebral lumbar spine using Densenet-201", Biomedical Signal Processing and Control, Volume 86, Part A, September, 105115, DOI: <https://doi.org/10.1016/j.bspc.2023.105115>, ISSN 1746-8094 (SCI, SCOPUS Q1 and WOS Indexed).

## Department of MBA (Master of Business Administration) (Feb-July, 2023)

### 1. Department activities:

Students had an incredible opportunity to step into the heart of industrial operations during their visit to Ashok Iron Works Pvt Ltd, Navage Plant. The day was filled with insightful conversations and learning as our students engaged with the HR manager, Production managers, and shop floor employees. They gained a profound understanding of the intricacies of HR, Operations, and Production in a real-world setting.



### 2. Guest lecture

A two-day workshop on "Case Method as a tool in Corporate Communication" by Shri. Mohan Phadke, a corporate trainer with impressive 38-year experience working with renowned companies such as Tata Engineering Locomotive Company (TELCO), Kirloskar Services Limited (KSL), the Ballarpur Industries Limited, BILT group, and Chemtex International Inc.



### 3. Student achievements

It is with immense joy and pride that we share the news of our students' outstanding victory in the inter-collegiate competition, 'Operation Quest,' organized by KLE Technological University, School of Management Studies and Research, Hubballi. Ketan Bhaskal, Adarsh Patil, and Prakash Choudhary have clinched the first prize, showcasing their exemplary skills and dedication to excellence.



## 4. Placement record

Hanmant Goral got placed in Federal Bank with an annual package of 13.5 Lakhs



## 5. Staff Achievement

Dr. Prayag Gokhale, HoD of KLE MBA, has been appointed as a Ph.D. guide in the field of Management Studies at KLE Technological University.



## 6. Conference paper presentation

Dr. Prayag Gokhale, HoD of KLE MBA, has been appointed as a Ph.D. guide in the field of Management Studies at KLE Technological University.



## 7. Student club activities

Event organized by sports club of the Department of MBA, KLE Technological University, Dr. MSSCET, Belagavi Campus



## Department of Library (Feb-July, 2023)

SL. No	Event Date	Events Details
1	21st July 2022	<b>KLE Technological University, Belagavi Launches Library Mobile App.</b> KLE Technological University, Belagavi Campus has launched a new library mobile app allowing users to access library resources from anywhere, anytime. The app was inaugurated by Vice-Chancellor Dr Ashoka Shettar, who said that the app will meet the demand and needs of end users. Principal Dr S.F. Patil said that the app offers patrons an innovative and convenient way to connect with the library and its resources. He added that it makes it easy for users to find what they are looking for and access library resources from anywhere, at any time. Chief Librarian Dr Satish Totar highlighted the library mobile app's features, including access to the library catalogue, online search, and e-books. He also said that the app will be updated regularly with new features. The app is available for download on the Google Play Store. Deans and Heads of various Departments, library staff, faculty members, and students attended the event.

## Department of Sports (Feb-July, 2023)

### 1. Department activities:

1. VTU Belagavi zone intercollegiate Badminton [Men and Women] tournament, was held at SDMCET Dharwad on 18th and 19th July 2023.

#### #. Men's team secured 3rd place

1. Tanmay M.B
2. Abhishek M.M
3. Rohit K.G
4. Rahul P.B

#### #. Women's team secured second place

1. Vaishnavi S. Bagewadi
2. Nikita U. Korikoppa
3. Rukmini B. Naik

2. VTU state level athletic meet, held at VTU campus Belagavi on 21st to 24th May 2023

- Sachin Saibannavar, 6th Sem Mech-secured 3rd place in discuss throw