



DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi; Recognized under Section 2(f) of UGC Act 1956 and ISO 9001-2015 Certified Institute
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FEB-JULY : 2022

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KLE Society, Belagavi

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MILANA – 97

Alumni Association organised an Alumni Meet for 1997 batch - **“MILANA - 97 Coming Together”** to celebrate 25 years of their graduation. The program was presided by Shri S.C Metgud, Chairman Governing Council, Dr. Basavaraj Katageri, Principal, President of the Alumni Association. Shri N.S. Chogule, Secretary, Prof. Bharati Chinniwalar and Treasurer Dr. Ravi Lingannavar were present. Speaking on the occasion Dr. Basavaraj Katageri stressed upon changes incorporated, that has ensured the growth of the institute over the years. He also highlighted the new initiative taken up by the college keeping in mind the New Education Policy and industry demand oriented skill sets. He appreciated the efforts of the Alumni's to have attended.



Activities conducted at K-tech Innovation Hub:

Workshop on “AI / ML / DEEP LEARNING”

One day workshop on “AI/ML/Deep Learning” was organised by Dattamsh on 24/4/2022, Resource person: Dr. Rajaram Kudli, 30 yrs of exp. in Analytics/AI solutions R&D, Competency building, Teaching, Research and Consulting more than 70 students participated and the event proved deeper understanding of the exponentially growing demand and evolution of AI.

List of the completed projects:

SL NO.	PROJECT TITLE	AMOUNT UTILIZED (IN RS.)
1	Bio briquette production machine	2,35,929
2	Telescopic robotic arm	1,20,091
3	Microwave based pop corn machine	1,73,342
4	Dlp resin 3D printer	1,54,000
5	Foucault current tester for metals	21,589
6	Improving crop yield using sensor based system	25,293

List of Projects funded by KITS, GoK

SL NO.	PROJECT TITLE	DEPT	AMT. SANCTIONED BY GOK (IN RS)
1	Bio briquette production machine	Mech	2,91,500
2	Telescopic robotic arm	Mech	2,96,500
3	Microwave based popcorn machine	EC	2,80,000
4	Dlp resin 3d printer	EC	1,54,000
5	Foucault current tester for metals	EC	2,50,000
6	Automated control of sluice gates using machine learning algorithm	EE	2,50,000
7	Clients and labour connecting system	CS	2,40,000
8	Improving crop yield using sensor based system	Civil	1,50,000
9	Agro board value added product from agriculture straw residues	Chem	2,90,000
10	Platelet rich plasma	BM	2,82,000
Total Sanctioned Amount:			Rs. 24,84,000/-

Start-ups Incubated at K-tech Innovation Hub

SL. NO	START-UP NAME	CEO NAME
1	Rfinity solutions Pvt Ltd	Mr. Sumeet Mudigoudar - Alumni
2	Skil intentus Pvt. Ltd.	Mr. Krishna Pai - Alumni
3	ATIL	Mr. Abhinandan Tallur - Student
4	Techrays Pvt Ltd	Mr. Raghu Honawad - Alumni

Workshops Conducted under IDEA LAB:

SL NO.	NAME OF THE WORKSHOP	NO. OF THE PARTICIPANTS
1	One week Training on 3D modeling and 3 in 1 Machine to School Students and Teachers for KLE International School, Belagavi	31
2	Training on Laser Engraving/Cutting, CNC Carving/Machining, 3D Printing For C.B. Kore Polytechnic Chikodi Students and Faculties	40
3	Training on Smart Manufacturing for KLE'S Polytechnic Bailhongal	32
4	Training on Advanced Manufacturing for KLECET, CHIKODI	32

NAIN Student Achievement

Name: Mr. Abhinandan Tallur, Founder and CEO, ATIL

Qualification: Final year BE in CSE Department.

Achievements: **ELEVATE - 2021** – Winner, Nominated for Young Entrepreneur National Award by Indian Achievers Forum

Telescopic Robotic Arm (K – Tech Innovation Hub)

Telescopic Robotic Arm, Project Sponsored by K-Tech Innovation Hub, completed by the Mech engg. Students of 8th SEM to reduce the human efforts required in the solar field to clean the solar panels, by manufacturing a device which will automatically clean the panels using solar energy itself.



One week Training of 3D modeling and 3 in 1 Machine to Students and Teachers of KLE International School, Belagavi



Training on Laser Engraving/Cutting, CNC Carving/Machining, 3D Printing for C.B. Kore Polytechnic, Chikodi



Training on Smart Manufacturing for KLE'S Polytechnic, Bailhongal



Training on Advanced Manufacturing for KLECET, CHIKODI by AICTE IDEA LAB



Four final year projects selected by KSCST:

1. "Suicidal thoughts recognition for emotionally disturbed person using machine learning" Ms. Samruddhi Sudhir Kutre, Ms. Harshada Kutre, Ms. Vrushali Moogi, Ms. Srushti Wali guided by Dr. V. S. Malemath.
2. "PDF to audio converter and translator" Ms. Rashi Rathod, Ms. Palak Porwal, Ms. Rutuja Ravaluche, Ms. Samruddhi Desai guided by Prof. Gambhir Halse.
3. "Impact of Covid-19 on human emotions" Ms. Shreeja Pujar, Ms. Dyuti Sulebhavi, Mr. Neel Patil, Mr. Vishal Patil guided by Prof. Abhinandan Shirahatti.
4. "Kannada handwriting character recognition" Mr. Ezven Ralph Fernandes, Mr. Rakshit Shekhar Poojari, Mr. Bharatesh J Payakka, Mr. Prithvi Suresh Bagewadi guided by Dr. Anusha R.
5. The project titled "Developing a Prototype mask detecting smart camera using NVidia Jetson TX2: hands on Evolution" was sponsored by KSCST, Akshay Kalli, Chinnava Tubachi, Nikita Powar and Akshata Noganihal guided by Dr. Sujata Patil, HOD, Department of Electrical & Electronics.



Eye Check-up Camp

Eye Check-up Camp was conducted for the non-teaching faculty at KLE Hospital in association with SECW and Women Empowerment Cell of the college on 25th and 26th May-2022. The event was organised by Prof. Uma Kulkarni.

Ph.D Awardees



Dr. Vijay B.G

Department of Civil Engineering

Thesis: "Capacity Estimation of Two Lane National Highways under horizontal curves & gradients" Under VTU Belagavi, 2021-22

Guide: Dr. Rajendra Khatawkar, JNNCE, Shimoga



Dr. Prajakta Kadolkar

Department of ESH (Physics Section)

Thesis: Fluorescence Spectroscopic investigation of some fluorescent dyes and Nanomaterials

Guide: Anjeev R. Inamdar, Department of Physics, KUD, Dharwad

3. Talk by Mr. Prashant Dhope



A Talk on "Applications of Machine Learning" by Mr. Prashant Dhope, Asst. Prof. VTU PG Centre, Belagavi was organized on 29th June 2022.

II. Student Achievements:

- 1) VTU Rank Holders, Ms. Simran S. Revankar secured 1st rank to VTU in BME with Gold Medal



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

- 2) Ms. Vaishnavi Bagewadi, 4th Sem has won following prizes:
 - a) 1st prize in Solo dance at "Talent Hunt 2022", 17/10/2022.
 - b) 3rd prize in group dance in "Trident 2022", 11/06/2022.
 - c) 1st place in Badminton Women's Singles, 25/06/2022.
 - d) 1st place in Badminton mix doubles, 25/06/2022
- 3) Ms. Keerti Solanki, 4th Sem, Ms. Siddhanti Savant, Ms. Akshata Chadichal and Ms. Soundarya Angadi, all 8th Sem were the runners up in inter branch "Tug of War" held on 17th and 18th June 2022
- 4) Ms. Keerti Solanki, 4th Sem and Ms. Siddhanti Savant, 8th Sem secured the 2nd place in inter branch "Women's 4 x 100 mts relay Competition" held on 17th and 18th June 2022.
- 5) Ms. Keerti Solanki, Ms. Apeksha V Vardhamane & Ms. Ankita Garde, all 4th Sem were the winners of Inter Branch "Throw Ball Tournament".
- 6) Ms. Keerti Solanki of 4th Sem was the runner up of Inter Collegiate Zonal Tournament held on 7/6/2022.
- 7) Ms. Keerti Solanki of 4th Sem was the winner of Student verses Staff "Throw Ball Championship", conducted by Women Empowerment Club.

III. Placement Details:



Ms. Anusha Ganesh
6th Sem Got placed in DXC Technology & TCS



Mr. Ravindra Makamani
6th Sem Got placed in DXC Technology



Ms. Vibha H. S.
6th Sem Got placed in DXC Technology



Ms. Sonali Naik
6th Sem Got placed in TCS



Ms. Sharmada Kashikar
6th Sem Got placed in TCS



Ms. S. Simran
6th Sem Got placed in TCS



Ms. Mahaxmi Echalgar
6th Sem Got placed in TCS

IV. Patent:



Patent granted on "Dental Camera for Intraoral Dental Measuring"

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.

V. Paper Publications:

- 1) S. S. Ittannavar, R. H. Havaladar, "Segmentation of breast masses in mammogram image using multilevel multi-objective electromagnetism-like optimization algorithm", Hindawi

Department of Biomedical Engineering

I. Department Activities:

1. Annual in-House Management-Cum-Technical Event, "**Product Analysis Competition 2022**", was conducted on 28/05/2022. The event was graced by dignitaries – (1) Mr. Sunil Chaudhari CEO, Competent Systems, Pune (2) Dr. Prayag Gokhale, HOD, MBA (3) Ms. Nandita B. Yenagi CEO, Adaptive Agritech Solutions and Teknovator Solutions, Belagavi.



Product Analysis Competition 2022

2. Trends & Opportunities in Biomedical Engineering



A Talk on "Trends & Opportunities in Biomedical Engineering" by Mr. Sunil Chaudhari, CEO, Competent Systems, Pune was organized on 30th May 2022.

Publications, Biomed Research International Journal, Volume 2022, Article ID 8576768, DOI: <https://doi.org/10.1155/2022/8576768> (SCI, SCOPUS, WOS Indexed)

- Meghana R. Khare, R. H. Havaladar, "Non-invasive methodological techniques to determine health of a bone", Techno-Societal International Conference, Springer Nature Switzerland, (Scopus indexed).

VI. Staff achievement:



Dr. Shreevijay Itannavar

Ph.D Awardees

Department of BME

Thesis: "Artificial Intelligence Based Computer Aided Diagnosis of Breast Cancer Detection Using Image Processing"

Guide: Dr. R H Havaladar, HOD, BME

Department of Chemical Engineering

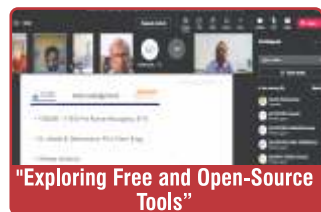
I. Department Activities:



ALCHEMIST - 2022, "Data Science for Chemical Engineers- An Overview" 03.06.2022

National Level Technical Symposium "**ALCHEMIST - 2022**" on the Theme "Data Science for Chemical Engineers - An Overview" was organized on 03.06.2022. Keynote address by: Dr. M. Ramasamy, MD, Mach Datum Pvt. Ltd. & Strategic Advisor & Professor at KPR Institute of Engg. and Tech, Coimbatore.

II. Workshops Conducted:



"Exploring Free and Open-Source Tools"

Workshop on "Exploring Free and Open-Source Tools" was organised on 28/4/2022. Resource person: Dr. P. R. Naren, Asso. Prof., Chem Engg, SASTRA Deemed to be University, Thanjavur, TN.

III. Staff Participation: (Seminars Attended)

- Sneha Bandekar & Prasad Hegde attended five days of FDP on "Green Technology towards sustainable future GTTSF 2022" organised by the Department of Chem Engg, GMR Institute of Technology, Rajam. A.P and NIT, Warangal, 8th to 12th March 2022.
- Sateesh N. Hosamane completed the Coursera certification course on "Statistical Molecular Thermodynamics" by the University of Minnesota.

IV. Guest lecture:



"Bridging the gap between industry & academia – A chemical engg. life skill toolbox."

Guest Lecture was organised on "Bridging the gap between industry & academia – A chemical engineering life skill toolbox." on 20/7/2022. Resource person: Dr. Lister H. Falleiro, Sr. Manager, Tech Services, AKXA Tech Pvt. Ltd., Belagavi

V. Webinar:



Webinar - "Design Thinking Enabling Innovations"

A webinar was organised on "Design Thinking Enabling Innovations" on 25/02/2022. Resource person: Dr. Jagadish H. Patil, Asso. Prof, Department of Chem Engg, RVCE, Bengaluru.

VI. Student Achievements:



Virtual Research Attachment Program (VRAP)

Virtual Research Attachment Program on "Artificial intelligence applications in Chemical Engg." by Universiti Teknologi PETRONAS by Mr. Lakshmish Kamble, Mr. Mayur Sutar, Mr. Shivam Palekar, Mr. Suraj Sambargi, Mr Yash Chikrode, and Mr. Yogesh Patil from 01.11.2021 to 01.01.2022

VII. Placement Record:

17 students placed in reputed companies, namely: AT&S, Mysore, Cipla Ltd, B'lore, TCS, West Coast Paper Mills Ltd., Dandeli, Infosys Ltd., and Wipro Limited.

VIII. Staff Academic Activities:

N. Hosamane (Principal Investigator) & Sneha S. Bandekar (Co-Principal Investigator), received a research grant of Rs. 20,86,666/- for the conduct of research entitled "Removal of phenol and heavy metals using microwave-assisted photo catalytic degradation" under AICTE, Research Promotion Scheme (RPS).



Dr. Santosh Hosamane



Dr. Sneha Bandekar

IX. Paper Publications in National/International Journals:

- Hosamane, Sateesh, Sneha Bandekar, Chidanand Patil, and Keshava Joshi. "Optimization of Removal of Cadmium (II) using Response Surface Methodology." Trends in Sciences 19, no. 6 (2022): 2997-2997.
- Kadapure, Santosh Ashok, Poonam Kadapure, Santosh Nandi, and Anil Shet. "Overview on catalyst and co-solvents for sustainable biodiesel production." Proceedings of the Institution of Civil Engineers-Energy (2022): 1-9.
- Adimule, Vinayak M., Santosh S. Nandi, S. S. Kerur, Santosh A. Kadapure, and Sampath Chinnam. "Recent advances in the one-pot synthesis of Coumarin derivatives from different starting materials using nanoparticles: a review." Topics in Catalysis (2022): 1-31.
- Kadapure, Santosh A., Poonam Kadapure, C. Anjali, Bhat Akansha, B. Sabera, Mangavi Sanket, and Anil Shet. "Extraction of Essential Oil Form Sweet Lime Orange Peel: A Comparison Study." In Materials Science Forum, Vol. 1048, pp. 468-475. Trans Tech Publications Ltd, 2022.

X. Patents applied: Granted

German patent granted for the title "Sustainable bacteria blended fly ash concrete" to Dr. Santosh A. Kadapure, Dr. Girish Kulkarni, Dr. Umesh B. Deshannavar, and Prof. Poonam Kadapure

Department of Electrical & Electronics Engineering

I. Department Activities:



Visit to the Govt. Tool Training center

Department organised a visit to Govt. Tool Training center, students were trained in several aspects like IOT, SCADA. Power electronics and CAD. 59 students of EE and EC took benefit.



Alumni meet of the "97 batch" students

The Department organised Alumni meet of the 97 batch students on 9/July/22. They interacted with the students and gave inputs for placements. Prof Uday Wali and Prof Punagin also shared their thoughts. The event was coordinated by Prof. Arun Shiralkar.



Farewell program

Farewell program was organised for the Final year students on 14/7/22, Mr. Mahesh Netrikar, Alumni, RJ for Radio Channel 93.5FM and currently Media producer for Radio city was the chief guest of the function.



Project exhibition and competition

Project exhibition and competition was organised on 27/07/2022 for the final year students. Dr. Uday Wali CEO of CQuad Industry was invited as the judge. 3 projects prizes were given by VISSA



IEEE NKSS Flagship "Project Symposium – VAIVIDHYAM'22"

KLE Dr. MSSCET Belgaum (STB50295) in association with IEEE CASS B'lore Section and IEEE NKSS organized "Project Symposium - VAIVIDHYAM'22" on 5th and 6th July 2022. 220 students participated.



Guest Lecture on "Review on Electrical Accidents"

A Guest Lecture on "Review on Electrical Accidents" was organised for the 6th sem students on 22/6/2022. Resource Person: Dr. Shivappa Sobarad, Asst. Engg (Ele) O&M SUB-DIVISION, GESCOM, Munirabad.

II. Staff Academic Achievements:

1. Uma Kulkarni presented a paper at the mini symposium on Effective Practices in teaching learning organized by Indo Universal Collaboration for Engineering Education (IUCEE) on 23rd and 24th April-2022

2. Uma Kulkarni has participated in Five-Day Online workshop on "Integration of Renewable Energy & EV to Microgrid: Prospects and Challenges" during 21st to 25th February 2022 organised by Department of EEE, NIT, Tiruchirappalli in Association with The Hong Kong Polytechnic University.
3. Sujata Patil was awarded IEEE CAS Bangalore Chapter Outstanding Faculty Advisor.
4. Sujata Patil is awarded as Outstanding Volunteer for the IEEE Information Theory Society Chapter.
5. Sujata Patil Published a paper in International Journal of e-Collaboration (IJeC) titled "90 nm CMOS Implementation of Multiplicative Inverse of the S-Box for AES Algorithm Using Six Transistor XOR Gate" DOI: 10.4018/IJeC.296684 (Q3 SCI INDEXED)
6. Sujata Patil Published a paper "Object Detect: A Real-Time Object Detection Framework for Advanced Driver Assistant Systems Using YOLOv5" Hindawi Wireless Communication and mobile computing.
7. Rakhee Kallimani has participated in the One-Week Online FDP on "AI and ML" organised by E&ICT Academy IIT Guwahati held from 14 - 19 March, 2022 in association with Department of CS, Manipur University and support from Techvictus Pvt. Ltd
8. Rakhee Kallimani has participated in the One-Week Online FDP on "IoT and its application in Instrumentation" organised by E&ICT Academy IIT Guwahati held from 21 to 26 March, 2022 in association with Department of Instrumentation and USIC, Gauhati University and support from Uniconverge Technologies Pvt. Ltd.
9. Rakhee Kallimani was a resource person for the 2-day Workshop on "The Internet of Things (IoT)" organised in the College, 28th June and 29th June 2022.
10. R. Kallimani, and S. Iyer, published a paper 'On the dynamic power management modelling of a wireless sensor node', International Journal of Internet Protocol Technology, Inderscience, Vol. 15, No. 2, pp. 127-135, 2022. (SCOPUS). (Q4)
11. R. Kallimani, and S. Iyer, published a paper 'Analysis of Queue Discipline for a Wireless Sensor Node Based on Event and Dynamic Power Management', IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2021), 2021. (SCI). DOI: 10.1109/ICMNWC52512.2021.9688366
12. Kallimani, R., Gulannavar, S., Pai, K., & Patil, P. (2022). A Detailed Study on State of Charge Estimation Methods. In Lecture Notes in Electrical Engineering (844th ed., pp. 191–207). https://doi.org/10.1007/978-981-16-8862-1_14.
13. Tamalika Chowdhury was Guest Speaker in the Webinar on "Modern Techniques in Power Generation" organised by Department of EEE of Modern Institute of Engineering and Technology on 12/02/2022.
14. Tamalika Chowdhury, served as Session Chair in International Conference on Intelligent Controller and Computing for Smart Power (ICICCSP 2022), technically co-sponsored by IEEE Hyderabad Section organised by Department of EEE, Sreenidhi Institute of Science and Technology (SNIST) Hyderabad, India during 21st to 23rd July, 2022.

III. Student Achievements:

1. Students completed NPTEL courses on subject 1. "Electric vehicle" by Sneha Chougale & Shashidhar Kalyani, "Electrical machines" by Akshata Sajjan & "Embedded Systems" Akash Patil & Tejaswini Piraji.
2. Shrinidhi.D got the 1 place in Technical Debate at Trident -2022
3. Akshay Rajai and team got the Best project award at Vaividhyam-2022
4. 44 students from the department were placed in various companies

Department of Computer Science Engineering

I. Department Activities:

Industrial visit for 6th Sem & 4th sem students



6th Sem students



4th Sem students

One day industrial visit was organised on 14/5/22 for 6th Sem and on 28/5/22 for 4th sem students at Govt. Tool Room and Training Center Society of Govt. of Karnataka under the coordination of L. A. Hadimani & Roopa Patil. & Savita Bakare & Anirudha Potdar respectively. Visit helped the students to get practical knowledge on advanced technology and gain knowledge about technical aspects that is required for Information Technology and other industries. Various Laboratories were visited by the students like Internet of things (IOT), Automation, Lazer cutting, Robotics etc..

II. Workshops Conducted:



Hacker Rank contest

Hacker Rank contest conducted for 1st sem students on 26/03/2022 by Uma Hombal & Manisha Tapale. Kotrappa, Abhinandan Shirhatti, Suresh, Roja Badiger. Dattaprasad Torse coordinated the event.



Workshop on "Corporate Mindset Blueprint"

A workshop on Corporate Mindset Blueprint was conducted by the Department of CSE and EEE on 19/5/2022. Mr. Mahesh Masal, a Corporate trainer and a human Mindset coach was the resource person for the event. Principal, Placement Officer, Deans, HODs and staff attended the event.



Workshop on "The Internet of Things (IoT)"

A two-day Workshop was organized on "The Internet of Things (IoT)" under CSI for 8th Sem students on 28th & 29th June 2022. The resource person: Rakhee Kallimani, EE & Krishna Pai, EC Department. The workshop coordinated by Savita Bakare & Roopa Patil.

III. Guest lecture:

A Technical talk on "Foreign Studies" conducted under ACE for the students on 30/04/2022 by Transcend Institute of Foreign Studies, Belagavi.

IV. Student Achievements:



Dheeraj Angadi - 3rd sem B.E

Dheeraj Angadi of III sem B.E. won the regional round of 13th edition of TCS TechBytes – the Engg. IT Quiz conducted by TCS & the Board for IT Education Standards (BITES) promoted by Govt. of Karnataka during March 2022. He was a regional round winner and received a gift voucher of Rs. 12000.



Mohammed Rehan Deshnoor

Mohammed Rehan Deshnoor of final year B.E. qualified in GATE 2022 examination with All India Rank 9198



Dhruva Patil - 4th Sem, CSE

Dhruva Patil, 6th sem, CSE successfully completed fully funded Research Internship Program in Ryerson University, Toronto, Canada under the AICTE - MITACS Globalink Research Internship (GRI). He worked on Virtual Reality projected titled "Virtual Reality Training and Autonomous Avatar AI for Police De-escalation for which he received funds of 8000 Canadian Dollars.



Sentia-2022

Students participated in Sentia-2022, a techno-cultural fest organised by Mangalore Institute of Technology and Engineering (MITE), Moodbidri, Karnataka. A Team of 12 students participated in various events.

1. Vaishnavi Patil and Omkar Humbarwadi

bagged the 1st place in General Knowledge Quiz.

2. Sameeksha Mutalikdesai and Shreya Kurbet won the 2nd place in Eastern Duet Singing.

3. Vaishnavi Patil bagged the 2nd place in Mock Press.



Proud alumnus SARVESH HATTI, CSE (2017-2021) has secured All India Rank 7 in order of merit for AFSB recommend candidates.

V. Student Club Activities:

1. Jupiter's Jargon (Pick and Speak) – 10/6/2022 (2). Themis' Court (Mock Press) – 11th June 2022

2. Hunt of Athena (Quiz) – 10th & 11/6/2022. (4). Cyclops Den (Shark Tank) - 10th June 2022

VI. Placement Record:

SL NO.	COMPANY	COUNT
1	Zimetrix	01
2	Qualitest	05
3	Prolifics	05
4	Wells Fargo	01

VII. Staff Academic Activities:



1. Rajashri Khanai successfully completed NPTEL-AICTE FDP on ML for Soil and Crop Management.

2. Rajashri Khanai has participated in online short-term course titled "Electromagnetics: Recent Trends and Future Applications" conducted as a part of quality improvement program organised by the Department of EEE, IIT Indore during Feb 28, 2022 to Mar 05, 2022.

3. Rajashri Khanai, has participated in one-week online event enhancing Emotional Immunity under student Faculty Exchange Program during 21st – 25th Feb 2022 organised by Jaipur Engg. College and Research Centre, Jaipur, Rajasthan.



4. Anirudha Potdar, successfully completed NPTEL-AICTE FDP on Data Mining.

VIII. Paper Publications in National/International Journals:

1. Mavinkattimath, Swati, and Rajashri Khanai. "A low power and high-speed hardware accelerator for Wireless Body Sensor Network (WBSN)." *Materials Today: Proceedings* (2022).
2. Kalkhambkar, G., P. Chindhi, and R. Khanai. "Design and Finite Difference Time Domain Analysis of a Dual Band Slotted Microstrip Patch Antenna for Wireless IoT Applications." *Indian Journal of Science and Technology* 15.15 (2022): 668-676.
3. Kalkhambkar, Geeta, Rajashri Khanai, and Pradeep Chindhi. "Design and Characteristics Mode Analysis of a Cantor Set Fractal Monopole Antenna for IoT Applications." *Progress in Electromagnetics Research C* 119 (2022): 161-175.

IX. Conference Paper presentation:

1. D. A. Torse, R. Khanai, K. Pai and S. Iyer, "Hardware Implementation of Automated Seizure Detection System using EEG Signals and Edge Computing," 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI), 2022, pp. 472-477, doi: 10.1109/ICOEI53556.2022.9776805.

X. Patents applied/Granted:

B Sreenivasa Prasad, Basavaraj Katageri, Koralli Anil, Rajashri Khanai, Sheela Kore, Swati Pai, Priya Shirahatti and Chetan Patange., 2022. "ADVANCED AUTOMATED SYSTEM OR INSTRUMENT FOR THERAPEUTIC EMESIS". 401681, filed 30/06/2019, issued on 20/07/2022. (Granted)

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.

- Educated school students about basics of Computers.
- Blood donation camp organized on 17th May 2022.
- 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.



A Mini Project Exhibition was conducted on 22nd March 2022, coordinated by Krishna Pai.



Two-day Webinar on "Introduction to Statistical Techniques and Artificial Intelligence using MATLAB" was conducted from 22nd & 23rd Feb-2022, Coordinated by Dr. Rajashri Khanai.

II. Seminars Attended:

1. Arun Tigadi has attended "3-day Workshop on Research" organised by the Department of ECE and IEEE Student Branch of KLE Dr. MSSCET, held between 6-8 May 2022.
2. Arun Tigadi has attended Machine Learning & it's Application 6 Days QIP (AICTE) Sponsored Short Term Course (Online Mode) from March 7-12, 2022 organised by I.I.I. Technology, Nagpur.
3. Vijay Rayar has attended Machine Learning & it's Application 6 Days QIP (AICTE) Sponsored Short Term Course (Online Mode) from March 7-12, 2022 organised by I.I.I. Technology, Nagpur.
4. D. A. Torse has attended workshop on "Introduction to Statistical Techniques and Artificial Intelligence using MATLAB" organised by Department of EC, 22nd and 23rd Feb 2022.
5. Sridhar Iyer has attended Online FDP on "Introduction to Python Programming and its Applications" organized by E&ICT Academy IIT Guwahati, 21 -26 Feb, 2022
6. Sridhar Iyer has attended Online short term course titled "Electromagnetics: Recent Trends and Future Applications" conducted as a part of quality improvement program, organized by the Department of EEE, IIT-Indore from Feb 28, 2022 to Mar 05, 2022.
7. Sridhar Iyer has attended One-Week Online Faculty Development Programme on "Artificial Intelligence and Machine Learning" organized by E&ICT Academy IIT Guwahati held from 14 - 19 March, 2022
8. Sridhar Iyer has attended Short term course titled Statistical Modelling and Analysis of Advanced Wireless Communication Systems conducted as a part of quality improvement program, organised by the Department of EEE IIT Indore, 17-03-2022 to 23-03-2022
9. Sridhar Iyer has attended Two-day International Workshop on Emerging Techniques for B 5 G/ 6 G Wireless and Research Opportunities organised by Centre for Next Generation Communication and Networking (Department of ECE, LNMIIT, Jaipur, during April 22-23, 2022)
10. Sridhar Iyer has attended Five days online STTP organised on "Recent Trends and Advances in Communication, Signal processing and Machine learning" organised at VNIT Nagpur during 11-15 July 2022.
11. Udaykumar Naik has attended technical consultancy meetings to establish Session Initiation Protocol trunk IP based technology, Hardware and Software solutions to Connect KLE Society's institutions on March 21-22, 2022 at KLES Dr. Prabhakar Kore Hospital, Medical Research Centre, Belagavi.
12. Udaykumar Naik has attended AICTE refresher programme on the Role of Technical Institutes in promoting Innovations in Skill Development, Employability and Entrepreneurship, held during 09-03-2022 to 15-03-2022 organised by SDM College of Engineering and Technology, Dharwad, Karnataka
13. Swati Mavinkattimath has attended one day workshop on "Writing Research Proposals and Scientific Articles" on 21/03/2022 at School of Advanced Science KLE Tech University Hubballi.

Department of Electronics & Communication Engineering

I. Workshops Conducted:



Workshop on 'Research Methodology' was conducted by the Department of E&C under the KLE MSSCET IEEE Student Branch banner from 6-8 May 2022. The 3-day workshop comprised of all the components required within the research cycle. The workshop was coordinated by Sridhar Iyer and Swathi Mavinkattimath.



Workshop on "Corporate Mindset Blueprint- A Pathway to Excel in Corporate World" was organised by ECE Department for 8th Sem on 18/5/22. Resource person: Mr. Mahesh Masal, Corporate trainer. Principal gave the presidential remarks. Dr.

Dattaprasad Torse, HoD, ECE welcomed the gathering. Placement Officer, Prabhakar Manage presented Annual Report of the Placements 2021-22. Department Placement Coordinator Vijay Rayar introduced the Chief Guest.



Three-day FDP on "System Design Flow Using Vivado" was conducted from 2-4th June 2022. Coordinated by Prof. Swati Mavinkattimath and Prof Rajashri Khanai.

14. Kunjan Shinde attended a Three day FDP on "System Design Flow Using Vivado" from 2-4th June 2022 conducted by Dept. of ECE.
15. Kunjan Shinde attended a Two day workshop on "Best practices of OBE its implementation and success", 5th & 6th of May 2022 conducted by KLE college of Pharmacy Belagavi.
16. Gujanatti Rudrappa completed NPTEL course "Microprocessors and Microcontrollers" in Jan-Apr 2022.
17. Gujanatti Rudrappa participated in the online course on "Global Navigation Satellite System and Location based services", 21-02-2022 to 04-03-2022
18. Gujanatti Rudrappa completed the 5 Days Boot camp on "Image Processing - Morphological process & tools", 08.02.2022 - 12.02.2022
19. D. A. Torse completed NPTEL course on "Machine Learning for Soil and Crop Management" in Jan-Apr 2022.
20. A. S. Tigadi completed NPTEL course "Microprocessors and Interfacing" in Jan-Apr 2022.
21. Ashwini M. Desai completed NPTEL course on "Microprocessors and Interfacing" in Jan-Apr 2022.
22. Swati Mavinkattimath participated in Cloud based Analog IC Design Hackathon conducted by IIT Hyderabad in association with Synopsys held on 1st March 2022.

III. Guest lectures:

1. D. A. Torse delivered a talk at: KLE Institute of Nursing Sciences on 29th April 2022 on "AI in Healthcare" during UDEHP workshop on "Start-ups and Innovation in Health care"
2. D. A. Torse delivered a talk at: 6 Days FDP on "Recent Trends in AI and Data Science" organized by KLE CET, Chikodi on 9th April 2022 on "AI in Medical Science"
3. Sushant Jadav of ECE delivered a technical talk on "Embedded Systems" on 12/07/2022 at KLE CB Kore Polytechnic, Chikodi
4. Sridhar Iyer delivered a talk on "Opportunities and Challenges in 6G Wireless Networks" held on 8th April 2022 organised by: IEEE WIE & IEEE-Student branch, Amrita school of Engg., Amrita Vishwa Vidyapeetham, Bangalore.
5. Sridhar Iyer delivered Lecture on "Opportunities and Challenges in 6G wireless Networks" on 12/04/22. Jayawant Shikshan Prasarak Mandal, Bhivarabai Sawant Institute of Technology & Research, Wagholi.
6. Sridhar Iyer delivered talk in "One Week National Level Online FDP on "Recent Trends in Cyber Security and Machine Learning" in Department of the CSE, Shri Vishnu Engg. College for Women (A), Bhimavaram, 1-5 June 2022.
7. Sridhar Iyer delivered a Lecture in 10-days National FDP on "Unleashing Emerging Research Trends and Advancements in Computer Science", organised by School of CSE, VIT-AP University, Amaravati from July 4th to July 14th, 2022.
8. Sridhar Iyer delivered Guest Lecture on "Opportunities and Challenges in 6G Wireless Networks", School of CSE In Association with ACM Student Chapter REVA University, July 21, 2022.

IV. Placement Record

110 Students of Batch 2021-22 are placed in various companies.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING									
PLACEMENTS 2021-22									
	30		8		1		1		
	29		47		2		9		
	22		3		26		1		
	10		6		2		2		
	2		7		5		5		
	2		18		1		2		
	1		10		3		2		
	4		10		6		1		
110+ Individual Offers IOPEX 1 Highest Package 10LPA									

V. Paper Publications in National/International Journals:

1. Sridhar. Iyer, published paper on "Performance Analysis of a Dynamic Spectrum Assignment Technique for 6G Wireless System", in The Institution of Electronics and Telecommunication Engineers (IETE) Journal of Research, Taylor and Francis, 2022. (SCI). <https://doi.org/10.1080/03772063.2022.2048705>.
2. Khot, P.S., Udaykumar Laxman Naik. published paper in Taylor CMVO: Taylor on "Competitive Multi-Verse Optimizer for intrusion detection and cellular automata-based secure routing in WSN". Int J Intell Robot Appl 6, 306–322 (2022). <https://doi.org/10.1007/s41315-022-00225-3>.
3. Pradeep Sadashiv Khot & Udaykumar Laxman Naik (2022) published paper on "Cellular automata-based optimised routing for secure data transmission in wireless sensor networks", in Journal of Experimental & Theoretical AI, 34:3, 431-449, DOI: 10.1080/0952813X.2021.1882002.
4. Shahapur, S. S., Khanai, R., & Torse, D. A. (2022) published paper on "Performance analysis of error control codes for underwater wireless acoustic communication". Trends in Sciences, 19(3), 2164-2164.
5. Pai. K., Kallimani, R., Iyer, S., Maheswari, B. U., Khanai, R., & Torse, D. (2022). published paper on, "A Survey on Brain-Computer Interface and Related Applications". arXiv preprint arXiv:2203.09164.
6. Iyer, S., Pandya, R. J., Kallimani, R., Pai, K., Khanai, R., Torse, D., & Mavinkattimath, S. (2022). published paper on "Survey on IOT enabled by 6G Wireless Networks". arXiv preprint arXiv:2203.08426.
7. Iyer, S., Khanai, R., Torse, D., Pandya, R. J., Rabie, K., Pai, K. & Fadlullah, Z. (2022). published paper on "A Survey on Semantic Communications for Intelligent Wireless Networks". arXiv preprint arXiv:2202.03705.
8. S. Mavinkattimath and R. Khanai, published paper on "A low power and high-speed hardware accelerator for Wireless Body Sensor Network (WBSN)", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.06.013>.

VI. Conference Paper presentation:

1. S. Jadhav, B. Chougula, G. Rudrappa, N. Vijapur and A. Tigadi, "GoogLeNet Application towards Gesture Recognition for ASL Character Identification," 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), 2022, pp. 1-5, doi: 10.1109/ICDCECE53908.2022.9793165.
2. G. Rudrappa, A. Tigadi, S. B. Kulkarni, S. Jadhav and B. Chougula, "CANoe Tool usage for Communication between Automotive Grade Processors," 2022 3rd International Conference for Emerging Technology (INCET), 2022, pp. 1-5, doi: 10.1109/INCET54531.2022.9824832.
3. D.A Torse, R. Khanai, K. Pai, and S. Iyer, "Hardware Implementation of Automated Seizure Detection System using EEG Signals and Edge Computing", 6th IEEE International Conference on Trends in Electronics and Informatics (ICOEI 2022), pp.495-500, 2022
4. A. Chitturi, R.J. Pandya, and S. Iyer, "AI Enabled Covid-19 Prediction Methods and Anti Covid-19 Strategies", IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE-2022), 2022.
5. Swati Mavinkattimath has participated and presented a paper on "A 30uW Low power and High speed of Hardware Accelerator for Wireless Body Sensor Network (WBSN) in 28nm Stacked Silicon Technology" in the International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2022) held on Feb 24-26, 2022.

Department of Mechanical Engineering

I. Department Activities:

A) Students group under MSME-TTL programme



MSME-TTL programme – Mechanical Engineering Students



List of Projects under TTML Ready Engineer MSME Program

The Students have completed the 5 capstone projects under Tata Technology's Ready Engineer MSME Innovation program. The MSMEs were identified by TTML Pune in coordination with Foundry Cluster Belagavi.

SL NO.	NAME OF STUDENT	USN	Guide
I Title: Design and Fabrication of Smart Hook System for Impact Breaking of Heavy CI Scrap			
1	Akul Sanikop	2KL18ME010	Prof.Nagaraj Kelageri
2	Pradshant Patil	2KL18ME046	
3	Sohail Baig	2KL18ME015	
4	Ashirwad Patil	2KL18ME016	
II Title: Increasing the productivity rate by studying the plant layout			
1	Tejas Patil	2KL19ME419	Prof. Golbhanvi M Shailesh
2	Hulaji Ananad	2KL17ME028	
3	Siddesh Sankapal	2KL18ME081	
4	Ghisaline P	2KL18ME024	
III Title: Reduction and Customization of Support Fixtures Used In Casting Process			
1	Malikarjun Nagnuri	2KL18ME032	Prof. Katti H Ramesh
2	Vartika Mrinal	2KL18ME078	
3	Srinivas Patil	2KL18ME064	
4	Rakesh Patil	2KL18ME096	
IV Analysis of Rejection Rate for Belgaum Ferrocast Pvt. Ltd			
1	Christopher	K2KL15ME010	Prof. Satish L Hulamani
2	Abhishek C	2KL16ME003	
3	Vinayak G	2KL16ME095	
V Title: Potential parameters affecting the binding property of sodium silicate binded foundry sand and its use in refractory bricks			
1	Gangamma H	2KL18CV026	Dr. Praveen A. Ghorpade and Prof. Nayana P. Hoolikantmath
2	Pratik Bhagawat	2KL18CV048	
3	Eshanikhanapuri	2KL18CV080	
4	Ravikiran C Rukumpur	2KL18CV056	

B) MESSA Function



Farewell function for the final year UG and PG Students



The Farewell function for the final year UG and PG Students was held on 19th June 2022.

The Chief Guest was our own Alumni Mr. Rajat G. Hogarti. 1st Rank to VTU during 2016 Batch, working as Sr. Engg. (Product Design), Bharat Electronics Limited (BEL Bangalore). Mr. Hogarti talked about his journey as undergraduate student in college and motivated to study hard and focus on campus placements. He also talked about professional life at BEL Bangalore.

II. Placement Record – Mechanical Engineering Department

Company Name	No. of Students	Package in Lakhs
SLK Software solutions	6	3.6
Eaton	4	6.5
TCS	5	3.6
Wipro	14	4
DXC	5	4.2
Sonata	6	4.2
Faurecia	1	4
Capgemini	9	4
Quest Global	8	4
Infosys	5	4
Aequus	5	3.2
Triveni Turbines	1	6
Suvidha	2	4
Total	71	4.25Lakhs (Avg.)

III. Staff Academic Activities:



Industrial visit to Government Tool Room & Training Centre, Belagavi

Industrial visit was organised to Govt. Tool room & Training Center (GT&TC) Belagavi, for 6th sem students on 28/5/2022 in order to get exposure on advanced technology incorporated in the manufacturing of precise and complex moulds & 3-D Printing, CNC, Dies and Tools. Students got an opportunity to learn manufacturing methods and employment practices at GT&TC.

IV. Activities focusing towards Social Sector Responsibility:

AICTE ACTIVITIES



Online payment applications

Students of 8th Sem taught students of Madhyamik Vidyalaya, Kangrali (BK), how to use online payment applications like Phone-pay and Google-pay, scan QR code for payment, transferring money to contacts or bank A/c, etc. An awareness about frauds while using online payment methods were also addressed. Awareness program on "menstruation hygiene" was conducted for girls of 8th, 9th and 10th Stds. Information about sanitary products, ways and benefits of using them along with the myths and facts about menstruation was delivered to the students.

V. Paper Publications in National/International Journals:

- Gadagi, Amith, and Chandrashekar Adake. "Investigations of the effect of heat pipes on the temperature reduction and fatigue life of the components in the turning of high carbon high chromium steels." *Materials Today: Proceedings* 59 (2022): 392-396.
- Balwan, Ajit R., Vasudev D. Shinde, and Deepak C. Patil. "Manufacturability Assessment of Custom Knee Implant Prototype." *Journal of the Institution of Engineers (India): Series C* (2022): 1-9.
- Santosh Narayan Nandurkar, Tushar Hawal, Sachin Kulkarni, Nagaraj Kelageri, T.G. Sachidananda, Vishwanath Khadakbhavi, Ramesh Katti. "Influence of different tool electrodes on machining of oil hardened non shrinking steel using die sink electric discharge machine." *Materials Today: Proceedings* 52 (2022): 1509-1514.
- Santosh Nandurkar, Sachin Kulkarni, Tushar Hawal, Niranjana Pattar & Nagaraj Kelageri. "Investigation of Effect of EDM Process Variables on Material Removal Rate and Tool Wear Rate in Machining of EN19 Steel Using Response Surface Methodology." *Sustainable Machining Strategies for Better Performance*. Springer, Singapore, 2022. 71-82.

5. T.G.Sachidananda, R.N.Chikkanagoudar, Niranjana Pattar, Santosh Nandurkar. "Investigations of the influence of geometrical parameters of carbon nanotube material for sensor and MEMS applications." Materials Today: Proceedings (2022).
6. Mallish B.Sanjeevannavar, N.R.Banapurmath, Manzoore Elahi, M.Soudagar, Vinay Atgur, Nazia Hossain, M.A.Mujtaba, T.M. Yunus Khan, B. Nageswar Rao, Khadiga Ahmed Ismail, Ashraf Elfasakhany. "Experimental investigation of cutting temperature and surface roughness for different cutting fluids during turning of Duplex stainless steel-2205 under minimum quantity lubrication technique." Journal of Mechanical Engineering and Sciences, 15.2 (2021): 8042-8056.
7. Vinayak P.Khatawate, N.R.Banapurmath, R.S.Hosmath, Mallish B.Sanjeevannavar, Shailesh M.Golabhanvi. "Performance indicators for the optimal BTE of biodiesels with additives through engine testing by the Taguchi approach." Chemosphere, 288 (2022): 132450.

Department of Civil Engineering

I. Department Activities:

A. Celebration of World Water Day-2022



World Water Day on the theme "Groundwater – Making the Invisible Visible" was organised on 22/03/2022. Dr. Praveen Ghorpade, Dean Academics, gave Expert Talk on the theme. He spoke regarding the Groundwater, its importance & stressed on how it's getting polluted. He briefed on how best we can conserve the existing groundwater. Principal, Dr. Basavaraj Katageri gave presidential remarks and said it's the duty of every citizen to protect and conserve available water for future generations.



B. Site visit, 1st & 2nd year. M.Tech students of Structural Engg. on Repair, Rehabilitation & Retrofitting of the structure on 22/04/2022

Mr. Jagdish J.S, Stedrant Technoclinic Pvt. Ltd explained the various techniques used in the field of Repair and Rehabilitation of structure. 8 Students were shown live testing of Rebound Hammer Test, Ultrasonic Pulse Velocity test, Carbonation test, Half Cell Potentiometer Test, core cutting. Site was Chintamanrao High School in Shahapur, Belagavi. Dr. Tejas Doshi, Dr. Veerendrakumar Khed, Mr. Abhijeet Baikerikar and Mr. Shivanand Mendigiri were staff accompanied with students. Mr. Jagdish J.S, Stedrant Technoclinic Pvt. Ltd explained the various techniques used in the field of Repair and Rehabilitation of structure. 8 Students were shown live testing of Rebound Hammer Test, Ultrasonic Pulse Velocity test, Carbonation test, Half Cell Potentiometer Test, core cutting. Site was Chintamanrao High School in Shahapur, Belagavi. Dr. Tejas Doshi, Dr. Veerendrakumar Khed, Mr. Abhijeet Baikerikar and Mr. Shivanand Mendigiri were staff accompanied with students.



Extensive Survey Camp, Savagoan Village



C. Extensive Survey Camp was conducted for 6th Sem at Savagoan Village from 30/03/2021 to 09/04/2021

D. Inauguration of Civil Engineering Association and IEI(I) Student Chapter

Inauguration of Civil Engg. Association & IEI(I) Student Chapter for 2021-2022 was done on 29/4/2022. Chief Guest: Mr. Amey Deshpande, Project Mgr. (AVP) HSBC Bangalore. Mr. Amey Deshpande explained the importance of various fields available for a Civil Engineer and also gave suggestions & guidance for students who are willing to work in the field of Data Analytics and Data Science.



Fresher's day and Orientation of 3rd Semester students



Technical quiz and treasure hunt in Trident 2022 on 10th June 2022

E. Fresher's day 2021-2022 was conducted on 04/06/2022

F. Department of Civil Engineering conducted Technical quiz and treasure hunt in Trident 2022 on 10th June 2022

G. Department organised Farewell Function for Final year UG and PG Civil students on 16.7.2022



Farewell Function for Final year UG and PG Civil students



World Environment Day on 6.6.2022

H. Talk on the eve of World Environment Day on 6.6.2022. Mr. Sameer Majali, founder of Green Saviours was the Guest Speaker Dr. M. Manjunath, HoD, welcomed

the audience. Mr. Sameer Majali elaborated on the importance of the theme "Only one Earth". He stressed on planting trees & shared his experience of ongoing plantation ideas at Western Ghats. Principal, in his presidential address emphasized on the advantages of planting trees and explained about the Green initiatives adopted in the college campus.

II. Students Achievements:

1. Co-curricular activities of the students:

A. Inter-Departmental Competitions

Nature of the Activity	Name of the students enrolled	Recognition / Awards received, if any
5th National Level Technical Symposium ALCHEMIST-2022 conducted on 3 rd June 2022 at Department of Chemical Engg., KLE DR MSSCET Belagavi	Vinayak B., M Rahul, Zaki Ahmed	3 rd Place

B. Inter-Institutional Competitions

Nature of the Activity	Name of the students enrolled	Recognition / Awards received, if any
"Paper Presentation/Treasure Hunt" Chemovation 2022 National Level Student Symposium organised by Dayanand Sagar College of Engg on 17 June 2022	Vinayak Birage	2 nd Place
"AITM MBA FISTA 2K22" National Level Mega Management Fest organised by Aangadi Institute of Technology & Management Belagavi	Spoorti Patil	Participator

2. Extra-Curricular Activities of the students:

A. Inter-Departmental Competitions

Nature of the Activity	Name/No. of the students enrolled	Recognition / Awards received, if any
In the Event of Inter -Department athletics (sports) conducted, 13 th June to 18 th June 2022	30	General Championship 2022 in sports owned by Civil Department.

Nature of the Activity	Name/No. of the students enrolled	Recognition / Awards received, if any
Fashion Show	Vinayak Birage	2 nd Place
Walk of Jitans	Spoorti Patil	2 nd Place
Mr. & Ms. Fitness	Yashodhan Patil	3 rd Place
400 mtrs	Yashodhan Patil	3 rd Place

III.Placement Record

Placed in Infosys



Placed in Afcons



Placed in Wipro



Placed in Infra - Market



Placed in DXC Technology

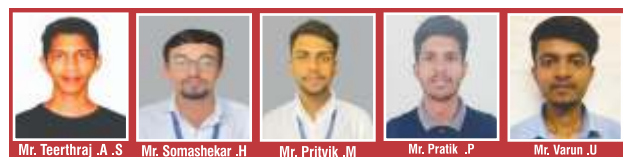


Placed in Aarbee Structures Pvt. Ltd.(7)



Placed in TCS

Placed in TCS: VI Sem Civil Students



IV.Staff Academic Activities:

Sl. No.	Name of staff	Details of NPTEL Online certification course
1	M Manjunath & Abhijeet Baikerikar	"Retrofitting and rehabilitation of Civil Infrastructure", Jan-April 2022
2	R.V.Raikaar	"Machine Learning for Soil and Crop Management", Jan-April 2022
3	P A Ghorpade & Nayana P. Hoolikantimanth	"Environmental Impact Assessment", Jan-April 2022
4	C.M.Patil	"Water Supply Engineering", Jan-April 2022
5	Shivali Heggannavar	"Environmental Impact Assessment" during Jan-April 2022
6	Shivanand Mendigeri	"Digital Land Surveying and Mapping (DLS&M)" during Feb-April 2022
7	Veena Sawant	"Ground water Hydrology and Management" during Jan-April 2022

V. Workshops attended by staff:

Sl. No.	Name of staff	Details of workshop attended
1	Dr. Vijay B G & Nivedita M	5 days' workshop on Sustainability in Transportation Engg.: Innovation and Entrepreneurship Opportunities [STEIO]-2022, 21-25 March 2022, organised -NIT Silchar, Assam
2	Veena Sawant	R&D program on Problem Formation, Publication, Proposal & Thesis Writing, 07/02/22 to 12/02/2022, organised by Alva's Inst. of Engg. & Tech, Mudbidre
3	Aishwarya Choukimath	02 weeks STTP on Intro.to Finite Element Method in Engg., 7-18 Feb 2022, organised by NITTR, Kolkata
4	Aishwarya Choukimath	02 days webinar on Intro.to Statistical Techniques & Art Intelligence using MATLAB, 22-23 Feb 2022, organised by KLE Tech Univ DR.MSSCET, Belagavi
5	Aishwarya Choukimath	2 days' workshop on Advances in Soil Testing, 24-25 March 2022, organised -by SDMCET, Dharwad.
6	Aishwarya Choukimath	ANSYS Workshop – A Hands – on Introduction to Finite Element Analysis, on 19/03/2022, conducted by CADFEM Ansys ARK

VI. Paper Publications in National/International Journals:

1. Rajkumar V. Raikaar, Jian-Hao Hong, Anandrao R. Deshmukh and Wen-Dar Guo "Parametric Study on Abutment Scour under Unsteady Flow", International Journal of WATER MDPI, Water (2022): 14, 1820. <https://doi.org/10.3390/w14111820>
2. Hosamane, Sateesh, Sneha Bandekar, Chidanand Patil, & Keshav Joshi, "Optimization of Removal of Cadmium (II) using Response Surface Methodology". Trends in Sciences, (2022): 19, no.6 (2022): 2997. <https://doi.org/10.48048/tis.2022.2997>
3. Chunduri, V.V.H., Khed, V.C., Adamu, M. et al. "Investigating properties of concrete containing cationic bitumen emulsion" Innovation Infrastructure Solution, (2022):. 7, 3, 1-13, <https://doi.org/10.1007/s41062-022-00816-w>
4. Khed, V.C., Mahalakshmi, S.H.V., & Achara, B.E., "Optimization of Manufactured-Sand (M-Sand) and Silica Fume Built-In Self-Compacting Rubber Create". Iranian Journal of Science & Technology, Transactions of Civil Engineering (2022):. <https://doi.org/10.1007/s40996-022-00821-0>
5. Achyutha Kumar Reddy, M.V., Ranga Rao, Veerendrakumar C. Khed, Kavuri Naga Chaitanya, "Optimization of reinforcement bentocrete column parameters under eccentric compression" International journal of ELSEVIER (2022): 41, 1027-1060, DOI: <https://doi.org/10.1016/j.istruc.2022.05.050>
6. Adamu, M, Alanazi, F, Ibrahim, Y.E, Alanazi, H., Khed, V.C, "A comprehensive review on sustainable natural fibre in cementitious composites The date palm fibre case", International journal of Sustainability (2022): 14, 11, 6691 DOI: 3390/su14116691

VII. Activities carried out focusing towards Social Sector Responsibility:

"AICTE STUDENT ACTIVITY POINT PROGRAMME."

Co-ordinator: Prof. Nayana P H

Sl. No.	Activity -1	Title of the Project	Name of the Students
1	Social Innovation Project	Generic Medicine Guide	Daksh R Aragavi
2	Social Innovation Project	Portable Biogas Plant	Deepa Dodabangi
3	Social Innovation Project	Avoiding Accidents Around Curved Path	Deepa Hottigoudra
4	Social Innovation Project	Herbal Low Cost Mosquito Repellent	Ramju Saheb B Kanavi Dhanush V
5	Social Innovation Project	Learning Model For Autism Children	Rajat R Kalasannavar, Veerasomeswar H
6	Social Innovation Project	Earthquake Alarm System	Pratik Dharangutte

Activity -2	Title of the Project	Name of the Students
Visit to Basappa Argavi English Medium School Venue: Nandgad	For Girls: <ul style="list-style-type: none"> • Be aware of your surroundings. Don't let your guard down. • To increase awareness among adolescent girls on Menstrual Hygiene. For Boys: <ul style="list-style-type: none"> • Soil Conservation • Soil is a source of life let's become conscious & save our source. • Raising public awareness about soils & the solutions to help save them. • Knowledge about Afforestation & Mixed Farming. 	Daksh R Aragavi Deepa Dodabangi Deepa Hottigoudra Ramju Saheb B Kanavi Dhanush V Rajat R Kalasannavar Veerasomeshwar H Pratik Dharangutte

Activity -3	Title of the Project	Name of the Students
Visit to Badgunji village Tal:Khanapur	Plantation Drive (Green Saviours Association)	Daksh R Aragavi, Deepa Dodabangi Deepa Hottigoudra, Ramju Saheb B Kanavi Dhanush V, Rajat R Kalasannavar, Veerasomeshwar H, Pratik Dharangutte

VIII. Patents applied/Granted:

Applied by Dr.C.M.Patil, "An Energy Dissipating & Downstream Erosion Resisting Structure".

Department of ESH

I.Seminars Attended by Staff:

1. Anil Patil participated in the one week online FDP Modern strategies in physics Research: Ensuring sustainable Development (MSPR-ESD)" organized by SGT University Gurugram, Delhi from 28th to 2nd June 2022.
2. Anil Patil participated in the one week online Professional Development Program(PDP) , "Recent developments in renewable energy" organised by AMITY University Noida, India from 20th to 24th June 2022.

II. Student Achievements:



Inst
Proj

1st yr. students Abhishek Korishettar, Ashmith Shet, Prajakta Deshpande & Rohan Anvekar won 2nd prize in INNOVATION-2022, a project competition, organized by CMR

Project Guides were Prof. S. B. Kulkarni, Prof. Vijay Rayar.

III. Paper Publications in National/International Journals:

- 1] Vinayak Adimule, Basappa C Yallur, Maya M Pai, Sheetal R Batakurki, Santosh S Nandi. Biogenic Synthesis of Magnetic Palladium Nanoparticles Decorated Over Reduced Graphene Oxide Using Piper Betle Petiole Extract (Pd-rGO@Fe3O4 NPs) as Heterogeneous Hybrid Nanocatalyst for Applications in Suzuki-Miyaura Coupling Reactions of Biphenyl Compounds. Top Catal (2022). <https://doi.org/10.1007/s11244-022-01672-9>.
- 2] Santosh Ashok Kadapure, Poonam Kadapure, Santosh Nandi, Anil Shet. Overview on catalyst and co-solvents for sustainable biodiesel production. Proceedings of the Institution of Civil Engineers. 1-9 (2022). <https://doi.org/10.1680/jener.21.00092>
- 3] Bharamagoudar R.C. and Patil A.S., Low temperature magnetic properties of Gd doped CaMnO3, Chemical Data Collections(Scopus), ISSN 2405-8300, Volume 39, June 2022, 100846

IV. Conference Paper presentation:

Prof. S. S. Nesargi presented research paper on 4th National Conference titled "Adsorption of 2-chlorophenol from Aqueous Solution Using Chemically Activated corn industry sludge-based adsorbent: Isotherm and kinetic investigation" held at GIT, Belagavi, Dept of Chemistry.On ETCM – 2022, 24th March to 26th March 2022 (Offline Mode)

V. Patents applied/Granted:

- 1] Indian Patent: Vinayak Adimule, Basappa C Yallur, Sheetal R Batakurki, Malathi Challa, Manjunatha D. H, Ravi Sankannavar, Gangadhar Bagihalli, Santosh S Nandi. A PROCESS FOR SYNTHESIZING POLY-3-BUTYL THIOPHENE DOPED ZRY2O3/ZRCOY2O3 NANOSTRUCTURES.Date of Grant: 30/06/2022, Patent Number: 400518.
- 2] Indian Patent: Vinayak Adimule, Basappa C Yallur, Sheetal R Batakurki, Malathi Challa, Manjunatha D. H, Ravi Sankannavar, Gangadhar Bagihalli, Santosh S Nandi.Title of the invention: "A PROCESS FOR SYNTHESIS OF CDXSRO:CDO NANOSTRUCTURES".Date of Grant : 13/06/2022, Patent Number: 398977.

Master of Business Administration (MBA)

I. Department Activities:



Saptaang-2022

A) Saptaang-2022

An in-house Management Fest, organised by Seniors of KLE MBA for their Juniors.



Inauguration of Bosch Training program

B) Bosch Training program:

Inauguration of a 4 weeks Industry academia training program in collaboration with Bosch India Ltd. on 14/03/22. Prayag Gokhale, HOD, welcomed the gathering. Ravi Lingannavar, course coordinator, outlined the details of the 4 week training

program that will cover various domain areas like Skill Entrepreneurship for youth, Future Human Competencies, Social responsibility and Nation building skills. It was also highlighted that only 150 institutes across India have been selected by Bosch India Ltd. to offer this course to the students and KLE Dr. MSSCET is one of them.



Project Based learning

C) Project Based Learning, 26-03-2022

PBL demo for final year MBA students was organised. They had to work on Lean Management concepts. They had chosen variety of projects like Decorative In-house Fountain, Sanitary Pad Dispenser, Sanitary Pad Disposer and Face-lift

of the entire Computer Lab.These projects involved Lean Techniques, Kanban, and Kaizen approaches. Event Designer and supervisor: Sanjay Hanji. The project demo was well appreciated by Principal, Basavaraj Katageri & Prayag Gokhale, HOD, KLE MBA.

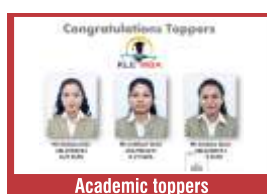


Induction Program

d) MBA first year Induction Program , 3rd February, 2022

Inauguration of the new batch of MBA students along with a 4 days Induction program

II. Student Achievements:



Academic toppers

Principal, HOD, Staff and Students of the institute congratulated the toppers of the KLE MBA.

III. Guest lectures:



International Women's Day

a) International Women's Day

Department celebrated International Women Day 2022, through a discussion forum on women empowerment and women entrepreneurship. The panel consisted of Mrs. Priya Khatav (Managing partner – ACME Computers), Ms Trupti Kamat (Proprietor – Kamat Studio), Mrs Kinjal Amte (Proprietor Kinjal Academy) and Akshata Tubaki (Makeup Artist). Prayag Gokhale –HOD MBA welcomed the gathering and addressed the audience on the theme of international women's day 2022 “Break the Bias” a situation of the gender-equal world.



World Consumer Rights Day

b) Consumer Rights Day:

Department celebrated World Consumer Rights Day, “CONSUMERISM-2022” on 15th March. Cartoon Poster making Competition was organised Judges: Tejas Doshi, (Civil Department) & Ms. Ashwini Desai, (E&C Department). Mr. Gurunath A. Kori (Advocate) and Mr. Sanjay Patil (Advocate) Graced the occasion as Guest Speaker. Prayag Gokhale, HOD Department of MBA, welcomed the gathering and highlighted the history behind celebrating World Consumer Rights Day. Mr. Gurunath A. Kori enlightened the students regarding the Importance of Consumerism; He gave live examples of Consumer cases and updated them about Consumer Protection Act 1986 & 2019. In the Cartoon Poster Making Competition 1st prize was bagged by Ms. Asmita Kakatkar, 2nd Prize Ms. Kirti Raikar, 3rd Prize to Manali Karekar.

IV. Yoga for Well Being:



One-week Yoga Program with a theme “Yoga for Well Being” was inaugurated on, 16/5/2022. Mrs. Arati Padasalagi was the Chief Guest and resource person. Dr. Basavaraj Katageri presided over the function. Dr. S F Patil, Dr. Shobha Patil and Mr. Jaydev were present. More than 50 students participated.

V. Placement Record:40/48

VI. Paper Publications in National/International Journals:

- Praveen M Kulkarni, LV Appasaheb, Prayag Gokhale, Basavaraj Tigadi, Role of digital simulation in employee training, Global Transitions Proceeding, Vol 3, Issue 1, June 2022, Pages 149-156, Elsevier
- Praveen kulkarni, Prayag Gokhale, Y M Satish, Basavaraj Tigadi, An empirical study on the impact of learning theory on gamification-based training programs, Organization Management Journal, Emerald Publishing Limited
- Praveen kulkarni, Sarat kumar Jena, Prayag Gokhale, Forecast Modelling in Supply Chain Management of Food Processing Industry: A Case Study, Lecture Notes in Management and Industrial Engineering, book series (LNMIE), Springer, Singapore

VII. Programs/Activities carried out focusing towards Social Sector Responsibility:

Visit to Arsha Vidya Ashram for donating sports equipment's



KLE MBA “EXTENDING A HELPING HAND; GIVING HOPE”

Hard Sales Event:

An event on hard sales was organised at the Department of MBA. Students were given a sum of Rs 200 and asked to maximize the returns and were asked present sales strategies. The students were able to generate revenue of about Rs 5600 and distributed the gifts to the Girl students. The department has decided to donate this generated revenue to an NGO. Principal Dr. Basavaraj Katageri appreciated the efforts put by the students. Prayag Gokhale, HOD, congratulated the students & encouraged them to take up such activities regularly to enhance their soft skills needed to excel in the market.

Department of library

Online user awareness program was organised on 14th June 2022 on Turnitin - Plagiarism detection tool. Speaker: Mr. Akshay Prasanna, Turnitin, New Delhi

Department of Sports



- 1) In VTU Belagavi Zone Cricket Tournament (MEN) held at GIT Belagavi, 3/6/2022 to 3/6/2022, College team secured the “RUNNER UP” Trophy.



- 2) In VTU Belagavi Zone Throw Ball Tournament (Women) held at SGBIT Belagavi, (6/6/2022 to 7/6/2022), College team secured the “RUNNER UP” Trophy.



Ms. Nikita Korikoppa,
3rd Sem, Civil Engg.

- 3) At South Zone Inter University Handball tournament-Bharthidasan University, Tiruchirapalli (27/02/2022 to 2/03/2022), Miss Nikita Korikoppa, 3rd-Sem Department Civil Engg. Participated- & bagged a VTU Blue (Hand Ball)