



KLE DR. MSSCET Information Bulletin

KLE Dr. M. S. Sheshgiri College of Engineering & Technology
 Udyambag, Belagavi, Karnataka

Approved by AICTE, New Delhi & Govt. of Karnataka, Affiliated to VTU, Belagavi, All B.E. Programs are NBA Accredited;

Recognized under Section 2(f) of UGC Act 1956 and ISO : 9001-2015 Certified Institute

Ph.: +91-831-2440322, Fax: +91-831-2441644, E-mail:principal@klescet.ac.in, www.klescet.ac.in



**Apr 2020 -
Jan 2021**

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RESEARCH WORKSHOP

Workshop on Engineering Research and Related Issues



A Research Philosophy

One week Workshop on "Engineering Research and Related Issues" was organized from 26th May to 4th June, 2020 by the institute to motivate the faculty members to take up research as part of the teaching learning process. The workshop was planned, designed and facilitated on campus and series of lectures were delivered to ensure research credibility and growth in academic landscape. Sixty selected faculty were being trained by the Principal, Dr. Basavaraj Katageri. The objective of the workshop is to motivate the staff members to understand the need for the research, roles and responsibilities of an active researcher, careful selection of guide and topic. The workshop aims at giving the gist of principles, types of research, frugal way of research, characteristics of scholar, supervisor and research, relationship between the guide and the supervisor and most importantly why Ph.D through research.

Youth Day, 12th Jan 2021



Youth day was celebrated on the occasion of the birth anniversary of Swamy Vivekananda. Principal Dr Basavaraj G. Katageri offered floral tributes and spoke on the occasion about lessons learnt from the life of Swami Vivekananda like Tolerance, Adaptability and Positivity. All Dean's, Staff and Student community were present by following the SOP of Covid.

PH. D AWARDEE



Dr. Shobha Patil

Dept. of Engineering Science and Humanities
 (Mathematics section)

University: Visvesvaraya Technological University
 Belagavi.

Thesis: Distance concept and its applications to chemistry



72nd Republic Day

The COVID-19 Warriors were felicitated on this occasion. A remarkable gesture by the institute. Dr. Basavaraj Katageri, Principal, addressed the gathering and thanked all the COVID-19 warriors who worked relentlessly when others were safe in their homes. Students and staff spoke on this occasion. Dr. S. F. Patil, Dean, Student Welfare and Shri Jaydev, Physical Director with their team organized a fabulous event of celebration.



INTERNATIONAL YOGA DAY

Adhering to SOP and Govt. guidelines of Covid-19, an educative session on ANGIHOTRA & IMPORTANCE OF YOGA was conducted. Mrs. Arati Kango and Mr. Amarendra Kango of Patanjali Yoga Samiti Aewam Bharat Swabhimani, Belagavi spoke about the importance of incorporating yoga and pranayama in daily routine. They said YOGA, DHYANA and YADNYA are the three important elements of healthy life style. Principal Dr. Basavaraj G. Katageri in his welcome address said that Yoga is union of mind, body and spirit. He urged upon protecting one's environment, as it is a crucial element that contributes to physical and mental health.

DEPARTMENT-WISE PLACEMENT RECORD FOR THE YEAR- 2020

Civil	Mechanical	Electrical & Electronics
6	51	28
Electronics & Communication	Computer Science	Chemical
164	165	12
Biomedical	MBA	M.tech VLSI
16	26	1



Celebration of KLE Founders day on 13th November, 2020.

Dr.S.F.Patil, Dean, Student Welfare welcomed. Dr.D.G.Kulkarni and Dr.M.A.Kamoji, Dean Academics, spoke on the occasion. Principal Dr. Basavaraj G. Katageri shared his views about the sacrifice of the Saptarishi and showed his gratitude to the founders. Mr. Jaydev proposed vote of thanks. Floral tributes were offered by all staff.

ACHIEVEMENTS



K-tech Innovation Hub (NAIN – New Age Incubation Network) of KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi received funding amount of Rs.24,84,000/- for 10 students projects from Government of Karnataka's IT & BT cell –Bangalore for 2019-2020.



KSCST (Karnataka State Council of Science & Technology,) awards the Best Project in Computer Science for the project "INTRUSION DETECTION SYSTEM", guided by Prof.U V. Somanati. The Students team Sudarshan Bhat,Rohit Jadhav,Bhumika Hadagali & Madalsa Bhat were the awardees.

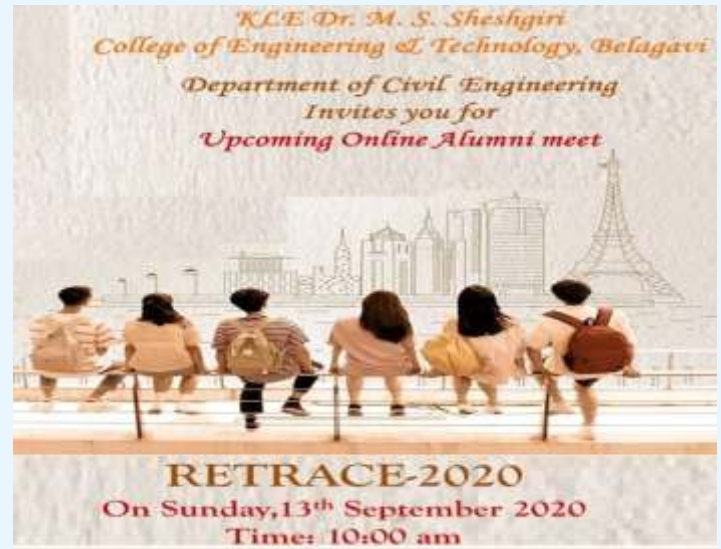


Dr. Sujata N. Patil received competitive Research Grant of Rs. 2 lakh under TEQIP for the project entitled, "Neural Network Based Test Marks Reader and Acquisition System".

PLACEMENT RECORD FOR THE YEAR -2020

SI No	Name of the Company	No. of Students Placed	Package Offered
1	Byju's	12	1000000
2	TCS (Digital)	1	700000
3	Principal Global Services	2	600000
4	Allgo embedded systems	5	550000
5	Veoneer	2	550000
6	Continental	4	500000
7	Brillio	10	450000
8	Xorient Solutions Pvt Ltd	1	450000
9	IBM	3	425000
10	Cognizant	44	401986
11	Starmark Software Pvt Ltd	1	401052
12	Careernet	1	400000
13	Subex	4	400000
14	Amazon	2	400000
15	TEXAS Instrument	1	360000
16	KPIT	40	360000
17	Infosys	50	360000
18	Global Edge	9	350000
19	ACC Cement	5	350000
20	Wipro	28	350000
21	Mangalore Chemical Fertilizers	1	350000
22	Atkins	3	350000
23	LegalDesk	9	350000
24	Anzy	1	350000
25	Kotak Life	1	350000
26	TCS (Inframind)	3	336000
27	TCS (Ninja)	75	336000
28	Prodapt solutions	2	330000
29	Medika Bazar	5	326000
30	Mindtree	10	325000
31	SLK	6	320000
32	NTT DATA	29	300000
33	Kotak	1	300000
34	V3IT	2	300000
35	Epsilon Carbon	5	300000
36	K3 India Foundation	6	300000
37	Dmart	5	300000
38	HCL	1	300000
39	Smartbrains	10	285000
40	Kodnest	6	280000
41	Akxa tech pvt ltd	4	280000
42	Creators Technology Pvt Ltd	20	275000
43	Diya systems	2	275000
44	Anoop javalkar construction	1	275000
45	Bhavani construction	1	275000
46	Gallagher	17	275000
47	Opera Space	2	275000
48	Wipro Kawasaki	13	300000
49	Westcoast Dandeli	3	350000
Total		469	

ALUMNI MEET - 2020



ALUMNI MEET - 2020

Sl. No.	Online Alumni Meet	Department	Date & Time
1	PUNARMILAN 2020	Electronics & Communication Engg.	5th Sept. 2020, 10 a.m.
2	Nostalgia 20	Biomedical Engg.	10th Sept. ,2020, 3pm.
3	Virtual Alumni Meet-2020	Computer Science & Engg.	12th Sept. 2020,9 am
4	RETRACE-2020	Civil Engg.	13th Sept, 10 am
5	RETROSPECT-Alumni Meet -2020	Electrical & Electronics Engg.	13th Sept, 2020,11 am
6	Alumni Meet 2k20	Chemical Engg.	19th Sept. 2020, 9 am
7	Alumni Meet 2020	Mechanical Engg.	19th Sept. 2020 , 10 am

DEPARTMENT OF BIO-MEDICAL ENGINEERING

One day Webinar on 4th July 2020 was organized in the series of Translational Biomedical Engineering on **"Importance of Medical Equipment Testing and Calibration"** in association with Top Biomed. Resource person: Mr. Dinesh Kumar, Business Unit Manager, Oregon Healthcare Pvt. Ltd. Bangalore. 900+ participants attended the webinar.



Resource Person



One day Webinar in the series of Translational Biomedical Engineering was organised and conducted “Artificial Intelligence and Medical Imaging” on 14th July 2020, by Dr. Nataraj Vijapur. In his talk he focused on different Imaging Modalities such as CT, MRI, Ultrasound, PET, X-Ray in Biomedical Applications and various techniques of Medical Image Processing and Analysis using Artificial Intelligence.



K.J.E.Dr. M. S. Sheelgiri
College of Engineering and Technology, Belagani
(Accredited by National Board of Accreditation (NBA), New Delhi)
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4th Phase Service in Translational Biomedical Engineering 2020

DEPARTMENT OF BIOMEDICAL ENGINEERING

Presenting One Day Webinar on

"Artificial Intelligence and Medical Imaging"

Speaker:
Dr. Nataraj Vijayar
Dr. Nataraj Vijayar is a Senior Lecturer in the Department of Biomedical Engineering, K. J. Somaiya Institute of Engineering and Technology, Belagani. He has been working in the field of Biomedical Engineering for over 15 years. He has a PhD in Biomedical Engineering from the University of Karnataka, India. He has published several research papers in the field of Biomedical Engineering. He is currently working on the development of Artificial Intelligence based medical imaging systems.

On Tuesday, 1st July 2024 (11 AM to 12:30 PM)
Registration at: <https://forms.gle/3xZ7145688Mx7>
A certificate will be issued to all the participants

Mr. Vijayashree R. H.
Coordinator

Dr. R. H. Hanotkar
Head, Dept of Biomedical Engg.

Dr. Suresh G. Kataragi
Principal

In association with 

Block Diagram of (Medical) Image Processing



Input Medical Image → Preprocessing (Contrast, Gaussian, Pseudo, Median, etc.) → Segmentation → Feature Extraction → Classifier → Result

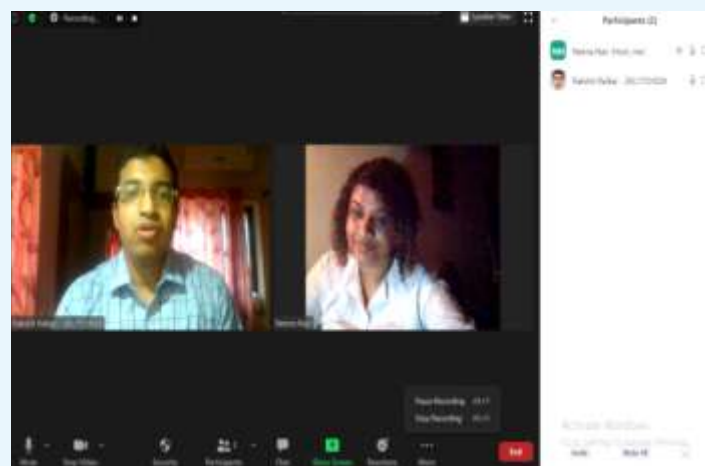
Example: Glioma Detection from fundus images



DEPARTMENT OF CHEMICAL ENGINEERING



Webinar on **"Fluid Dynamics Applications in Process Industries"** was organized on 09.06.2020. Resource person: Dr. Surya Sampath Emani, University Teknologi PETRONAS, Malaysia. More than 70 participants attended the webinar. He highlighted technological applications of fluid. He continued to state Computational fluid dynamics (CFD) is a science that uses This technology is used in areas like cavitation prevention, aerospace engineering, HVAC engineering, electronics manufacturing, and many more.



Mock interview

A mock interview for the final year students was conducted on 16th and 17th of October 2020. Mock interviews are preparatory scenarios in which teachers give students the chance to experience a job interview in a safe, constructive, and familiar space before they start their careers. Mock interviews are cheered as being one of the most effective tactics in a career readiness curriculum because they have such a practical impact on students' futures. Students who experience a mock interview learn how to dress, speak, and answer classic interview questions.

शेषगिरी इंजिनिअरिंग कॉलेजतर्फे ऑनलाईन मार्गदर्शन

वेळगाय : हर्षद पत्रावळी बोलताना.

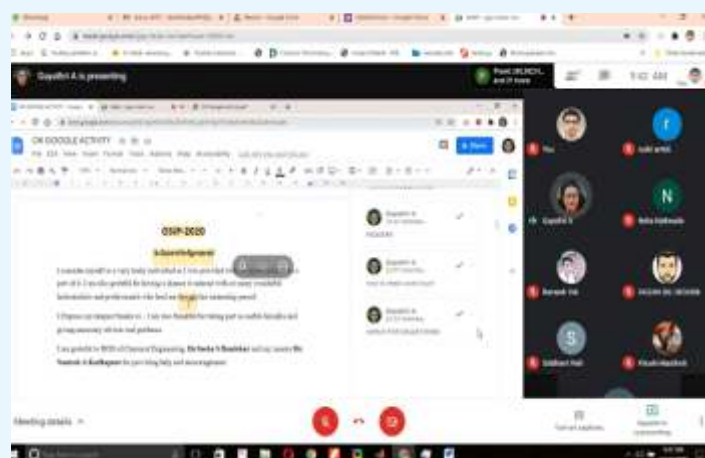
वेळगाय : केएलई डॉ. शेषगिरी कॉलेज ऑफ इंजिनिअरिंग अँड टेक्नॉलॉजी वेळगावतर्फे 'कोविड-१९ लॉकडाऊन काळात वैयक्तिक व्यवस्थापन' या विषयावर ऑनलाईन माध्यमातून व्याख्यानाचे आयोजन करण्यात आले होते. यथेष्टी हर्षद पत्रावळी यांनी विद्यार्थ्यांना मार्गदर्शन केले. ते म्हणाले, सध्या शरीर आणि मन दोन्हीही सक्षम असणे आवश्यक आहे. या काळाचा विद्यार्थ्यांनी सदुपयोग करून अनेक विषय ऑनलाईन माध्यमातून समजून घेतले पाहिजेत. उत्तम आरोग्य ठेवण्यासाठी व्यायाम, घरगुती उपाय, श्वासोच्छ्वासाचे लेव आणि तंत्रज्ञानापासून काही वेळ दूर राहणे याचा सराव करायला हवा. दूर राहणे आवश्यक असले तरी संपर्कित राहणे गरजेचे आहे. असे ते म्हणाले. प्राचार्य बसवराज कटगेरी यांनी सध्या विद्यार्थ्यांनी आपली इच्छाशक्ती वाढविणे आवश्यक असून या वेळेचा सदुपयोग करून घेण्याचे आवाहन केले. डॉ. स्नेहा बंदेकर यांनी स्वागत केले व पाहुण्यांचा परिचय करून दिला. प्रसाद हेगडे यांनी आभार मानले.

तरुण भारते Thu, 23 April 2020 <https://epaper.tarunbharat>

Virtual Workshop on **"Management of self during COVID-19 lockdown"** in collaboration with **"Art of Living"** Belagavi Local Centre for students and Staff on 18.04.2020. Coordinated by: Shri. Mahesh Kerkar, Faculty, Art of Living, Belagavi

Resource person: Mr. Harshad Patravali, Art of Living – Faculty, spoke on the fitness of mind and body with emphasis on the utilization of this crucial time to pursue internet-based online courses, to attend online expert lectures, make learning a hobby.

He also shared some of the enhancing research conducted at Carnegie Mellon University. Students and faculties attended the session and interacted with the speaker. Dr. Sneha Bandekar, HOD, introduced the guest and Dr. Santosh Kadapure proposed vote of thanks.



Alchemist 2020 – Fourth National level symposium

Chemical Engineering department had organized fourth National level symposium on 16th June 2020. Dr. Nageshwar Kapuri, Head of Hindalco Innovation Centre for Alumina and specialty products at Belagavi was Chief Guest of the function and delivered the Key Note address.



The VTU TEQIP 1.3 workshop on “Occupational Safety and First Aid” was organized on 7/8/2020.

435 participants from India & abroad attended the workshop. Prof U. B. Deshannavar, workshop coordinator, welcomed the gathering. Mr. Prasad Hegde, workshop coordinator informed about the objectives. Dr. Basavaraj G. Katageri, Principal, spoke on the systematic approach in managing health and safety. Shri Jeevan Kamble, Production Manager, HLL Lifecare Ltd, Kanagla, resource person, enlightened the delegates about workplace hazards. Dr. Spurti Dhamannavar, Physician, Resource person spoke on First Aid, 5 “P” Principles, common medical emergencies, and management of injury. The organizing committee extended a special thanks to Honorable Vice-Chancellor Dr. Karisiddappa, Prof. A. S. Deshpande, Registrar, Visvesvaraya Technological University, Belagavi, Dr. S. L. Deshpande, TEQIP Co-coordinator, VTU, and Dr. Meghana Kulkarni, Nodal Officer (Academic), VTU for their technical inputs. Dr. Sneha Bandekar, HOD, proposed the vote of thanks.



Rakshit R. Raikar

All India Level Poster Presentation Organized by Indian Institute of Chemical Engineers

Mr. Rakshit Raikar secured 2nd Position in an online essay competition & Poster presentation event organized by Indian Institute of Chemical Engineers – Bangalore Regional Centre (IICHE-BRC). The award was announced during the valedictory session of SCHEMCON – 2020.

Title of the Poster: “Role of Chemical Engineers in handling COVID -19 Challenges”. The poster of Mr. Rakshit covered important challenges faced by Chemical Engineers during the global pandemic COVID -19 and the proposed solutions to Tackling climate change, Resource efficiency and redefining chemical Engineering.

All India Level Essay competition Organized by Indian Institute of Chemical Engineers

Mr. Rakshit Raikar secured 1st Prize in an Pankaj P Patel trust essay competition organized by Indian Institute of Chemical Engineers IICHE) Kolkata.

Title: Recent accidents in Chemical Industries

Mr. Rakshit Raikar was conferred with the award during the valedictory session of SCHEMCON – 2020. The organizers appreciated case studies of Mr. Rakshit Raikar essay which explained the causes for accidents such as Bhopal gas tragedy, Vizag gas leak, fire at the natural-gas producing oil well at Assam, boiler explosion at thermal power plant in Tamil Nadu, and at a pesticide factory Gujarat's Dahej. Mr. Rakshit's recommendations to carry out Hazard and operability study and Risk assessment were also appreciated.

List of Publications in National/International Journals (Academic Year: 2020-21)

1. Navalgund, L., Joshi, K., Srinikethan, G., Shet, V.B. and Hosamane, S.N., 2021. RS and GIS Based Air Quality Atlas with Integrated Land Use and Land Cover Change Analysis. Journal of Environmental Engineering and Science, pp.1-9. (Scopus/Web of Science)
2. Hosamane, S.N., Prashanth, K.S. and Virupakshi, A.S., 2020, December. Assessment and prediction of PM10 concentration using ARIMA. In Journal of Physics: Conference Series (Vol. 1706, No. 1, p. 012132). IOP Publishing. (Scopus/Web of Science)
3. Santosh A Kadapure, Investigating the effect of biological material on the property of concrete. In Journal of Physics: Conference Series (Vol. 1706, No. 1, p. 012123). December 2020, IOP Publishing. (Scopus)
4. Umesh B. Deshannavar, Marappagounder Ramasamy, "Revisiting Threshold Fouling Models for Crude Oil Fouling", Heat Transfer Engineering, 2020 DOI: 10.1080/01457632.2020.1800276 (Taylor & Francis – SCI, IF: 1.693).
5. Umesh B. Deshannavar, Prasad G. Hegde, Pallavi S. Patil, Namita Tamburi, Ruchi K, Apoorva Kolar, Abhishek Jadhav, Mohanad El-Harbawi, "Adsorption of Acid Violet 49 Dye from Aqueous Solution by Processed Agricultural Waste", Desalination and Water Treatment, 2020 DOI: 10.5004/dwt.2020.26543 (SCIE, IF: 1.320).
6. Pallavi S. Patil, Umesh B. Deshannavar, M. Ramasamy, Sampath Emani, "Production, Optimization, and Characterization of Sugarcane (Saccharum officinarum)- Papaya (Carica papaya) wine using Saccharomyces cerevisiae", Environmental Technology and Innovation, vol. 21C, 101290, 2021 DOI: 10.1016/j.eti.2020.101290 (Elsevier – SCIE, IF: 3.356).
7. Santosh A Kadapure. (2020). The biotechnology approach for sustainable concrete material—a review. Magazine of Concrete Research, 1-9. (SCIE, IF 2.1)
8. Santosh A. Kadapure, Sharanappa A, Anil R. Shet. "Biosynthesis of silver nanoparticles using citrus sinensis peel extract and their application as antibacterial agent". International Journal of Research in Pharmaceutical Sciences. (Scopus)
9. Satish L Hulamani, Mahesh A Kamoji, Prasad G. Hegde, "Compression ignition engine fuelling with graphene doped diesel-hybride biodiesel blend: performance analysis" International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249–6890; ISSN (E): 2249–8001 Vol. 10, Issue 3, Jun 2020, 3709–3718 TJPRC Pvt. Ltd. (Scopus)
10. Bandekar, S.S., Hosamane, S.N., Patil, C., Yaragatti, A., Hukerikar, A., Patil, S. and Chachadi, P., 2020, December. ZnO-CuO nanocomposites: synthesis, characterization and antibacterial activity. In Journal of Physics: Conference Series (Vol. 1706, No. 1, p. 012018). IOP Publishing. (Scopus/Web of Science)
11. Patil, C., Manjunath, M. and Bandekar, S. S., 2020, December. Physicochemical analysis of sugarcane bagasse ash (SBA) blended concrete to evaluate the pozzolanic activity of SBA. In Journal of Physics: Conference Series (Vol. 1706, No. 1, p. 012140). IOP Publishing. (Scopus/Web of Science)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi
Department of Electrical & Electronics Engineering
 (Accredited by National Board of Accreditation, New Delhi)

Presents Webinar on

Industry 4.0

Resource Person
Mr. Hemanand Ramasamy
 CEO, MachDatum Pvt. Ltd.

Date: 22.06.2020
 Time: 11 am

MachDatum

Coordinators: Prof. Uma Kulkarni & Prof. Nalini Karchi

Dr. Subhash Sankeshwari HoD Dr. U. B. Deshannavar Dean (Aff. & SEP) Dr. Basavaraj G. Katageri Principal

Webinar on 'Industry 4.0'

Webinar on topic 'Industry 4.0' was organized on 22-06-2020. Resource person- Mr. Hemanand Ramasamy briefed about Industry 4.0 in detail and provided details about the industry preparedness required by the students before joining the institute. Coordinators: Prof. Uma Kulkarni and Prof. Nalini Karchi Dr Subhash S. Sankeshwari: HOD

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Department of Electrical & Electronics Engineering

Webinar on
*** Electrical Engineering Scenario during and post COVID-19 ***
 On 20th July 2020, 10am - 11:30 am

Speaker
Dr. Ravindra K Munje
 Department of Electrical Engg
 K.K. Wagh IIEER, Nashik

Dr. Basavaraj Katageri Principal KLE Dr MSSCET, Belagavi

Dr. Subhash Sankeshwari HOD KLE Dr MSSCET, Belagavi

Registration Link
<https://forms.gle/DXKAg69ivTY58m7>

For more details Contact Coordinators:
 1. Prof. Smitha S K : 9449307538
 2. Prof. Abhinay Gupta : 9970664063

Webinar of **Electrical engineering scenario during and post COVID 19** on 20.07.2020 for 3rd & 4th year students was organized. Dr. Ravindra K Munje, resource person briefed about the facts of engineering, opportunities for electrical engineer, growth of power sector, importance of renewable energy and opportunities for electrical engineer. He discussed about the electrical engineering challenges, and on sustainable Development goals. Finally, he summarized the lecture with the skill students need to update to enable them for competitions. Resource Person: Dr. Ravindra K Munje. Co-ordinator: Prof. Smitha K & Prof. Abhinay Gupta

KLE DR. M S SHESHGIRI
 COLLEGE OF ENGINEERING AND TECHNOLOGY
 UDYAMBAG, BELAGAVI

IEEE DAY 2020

IEEE KLEMSSCET STUDENT BRANCH
 PRESENTS

POSTER DESIGN COMPETITION

THEME:
 PARTICIPANTS CAN CHOOSE ANYTHING

Registration Link
<https://forms.gle/3U8v18GQd8999>

08/10/2020
 Event is Virtual

KRISHNA PAI STUDENT COORDINATOR PROF. NALINI KARCHI FACULTY COORDINATOR DR. SUJATA PATIL IEEE STUDENT BRANCH COUNSELOR DR. BASAVARAJ KATAGERI PRINCIPAL KLEMSSCET BELAGAVI

Poster Design Competition

In association with IEEE KLEMSSCET STUDENT BRANCH, the Electrical and Electronics Engineering Department had conducted POSTER DESIGN COMPETITION on 8th October 2020 on the occasion of IEEE DAY. Date: 08-10-2020 Student Coordinator: Krishna Pai IEEE Staff Coordinator: Prof Nalini Karchi Electrical Department Student Branch Counselor: Dr. Sujata Patil, IEEE

IEEE KLE Society
 KLE Dr. M. S. Sheshgiri College of Engineering & Technology
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WEBINAR ON : Improved differential box-counting based Fractal Dimension

29th October 2020 From 3:00 PM - 4:00 PM

Dr. Ayman Seal
 Computer Science and Engineering,
 IITM Indian Institute of
 Information Technology, Design and
 Manufacturing, Bengaluru

WEBINAR ON : IoT-Edge-Cloud Paradigm

30th October 2020 From 3:00 PM - 4:00 PM

Dr. Muthu Ramchandran
 Principal Lecturer (Associate
 Professor), Leeds Beckett University,
 United Kingdom

Dr. Basavaraj Katageri Principal KLE Dr MSSCET, Belagavi Dr. Sujata N Patil IEEE Branch Counselor

Webinar on IoT-Edge-Cloud-Paradigm

The webinar was organized on the topic of IoT and its importance, IoT-Edge-Cloud-Paradigm importance was discussed in detail. Date: 30-10-2020 Resource Person: Dr. Muthu Ramchandran IEEE Student Co ordinator: Siddanna Bhusaraddi, IEEE Staff Coordinator: Prof Nalini Karchi Electrical Department Student Branch Counselor: Dr Sujata Patil, IEEE

KLE Dr. M. S. Sheshgiri
 College of Engineering and Technology, Belagavi.
 590008

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

FIVE DAY ON-LINE WORKSHOP ON DEEP LEARNING AND HANDS ON SESSION WITH KAGGLE, GOOGLE COLAB AND TENSOR FLOW

SERIES-1

Keynote address by
 Dr. Basavaraj Katageri

Contact:
 Siddanna Bhusaraddi
 IEEE Student Coordinator
siddannabhusaraddi@gmail.com
 9538525736

Registration Link
<https://forms.gle/gk9j3Dwh4C2H>

10am to 5pm
 6/1/2021 to 10/1/2021

Registration fees
 IEEE member - free
 Non IEEE member ₹ 500/-

Prof Nalini Karchi STAFF COORDINATOR Dr Sujata Patil IEEE BRANCH COUNSELOR Dr Basavaraj Katageri PRINCIPAL

IEEE sponsored 5 day Online workshop on deep learning and hands on session with kaggle, google colab and tensor flow Series-1:

This workshop provided the exposure to Python programming and deep learning techniques. It covers several fundamental concepts and methods for machine learning, neural networks, deep learning with its application in real world research and industry problems. The course covers the basic concepts and techniques of Deep Learning from both theoretical and practical perspective. The implementation of algorithm is done by python programming, Google Colab, CUDA, and Tensor flow. Kaggle also explores and builds the models in web based data environment. The training comprises of a series of lectures and practical exercises. Date:- 6/1/2021 to 10/1/2021, Resource Person: Dr. Uday Wali, Mr. Nishikant Surwade, Faculty, D Y Patil School of Engg. Lohegaon Pune, Ms. Vijaylaxmi Jain, PhD Scholar, D Y Patil International University, Pune, Dr. Bahubali Shiragapur, Faculty, D Y Patil International University Akurdi, Pune.

UPPSALA UNIVERSITY

Orientation towards MS program Webinar

By: H K Pramod
 Date: Jan 15, 2021
 Time: 03:00 PM India

Webinar link:
<https://uu-se.zoom.us/j/64062205745>

Webinar on "ORIENTATION TOWARDS MASTERS PROGRAM AT UPPSALA UNIVERSITY" on 15-01-2021

Resource Person: H K Pramod, Student ambassador, Uppsala University. Importance of higher education and opportunities were discussed. IEEE Student Co ordinator: Siddanna Bhusaraddi, IEEE Staff Coordinator: Prof Nalini Karchi Electrical Department Student Branch Counselor: Dr Sujata Patil, IEEE

LIST OF PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS (ACADEMIC YEAR: 2020-21)

1. Nalini Karchi, D B Kulkarni, Sujata Patil, "Effect of Distributed Generation on Power Quality and Application of Artificial Intelligent in Control Techniques", International E-Conference on Applications of intelligent computing (ICAIC – 2020) organized by S. G. Balekundri institute of technology, Belagavi on 27th & 28th November 2020.
2. Sujata Patil, Shweta Madiwalar, "Machine Learning Techniques to Improve the Success Rate in In-Vitro Fertilization (IVF) Procedure", IOP Conference Series: Materials Science and Engineering, Scopus Indexed Jan 2021.
3. Tejashwini Kutre, Sujata Patil, Sheela Kore, "Design of MUX based Flash ADC for Reduction in Number of Comparators", IOP Conference Series: Materials Science and Engineering, Scopus Indexed Jan 2021.
4. Uma Kulkarni "Academic Excellence through industry institute collaboration", Journal of Engineering Education Transformations Scopus Indexed Jan 2021.
5. Uma Kulkarni "Power efficiency tracking of induction furnace" at IEEE CONNECT, Scopus Indexed July 2020.
6. Sandeep Kudal, Ashish Annamal, Sudhir Mane, Iranna Korachagaon, "Hardware implementation of PV and synchronous generator based micro grid with power quality controller" International Journal on Emerging Technologies (IJET) – Scopus Indexed May 2020.

DEPARTMENT OF CIVIL ENGINEERING



Department of Civil Engineering KLE Dr. MSSCET, Belgavi, had organised an Exclusive session on Importance of GATE and PWD exam for the 5th semester students in association with SAN Point, Belgavi on 13th August 2020. Priyanka Kolhar, Director at San Mob Apps Technologies Private Limited, was the resource person for the session.



Webinar on "APPLICATION OF ARTIFICIAL INTELLIGENCE IN CIVIL ENGINEERING" was held on 26/06/2020. Participants attended were 750. | Participants from Industry: Larsen & Toubro Limited, Sterling and Wilson Pvt. Ltd, Afcons Infrastructure Ltd Mumbai, GMD Consultants, Adani Group, CSIR-CRRI, New Delhi, Atkins
Institutions : IITs, NIIT's, 6 deemed universities
Participants from abroad: Nepal, Libya, Texas, Taiwan, Singapore, Panama, South America.

Total Registrations: **350 students | 270+ faculty | 95+ Industry, Research Scholars, Consulting Engineers**



Technical webinar on "Career opportunities in rapidly changing built environment sector post COVID 19" on 11th Dec 2020, by Dr. Ashish Gupta, Associate Professor and Director – Research & Consulting, RICS School of Built Environment, Amity University Noida.



Guest lecture was arranged on "Right time and Right strategy to prepare for GATE" for Pre-final year and final year students on 28th September 2020. The speakers for the session were Mr. Saqlain Momin, Mr. Shubham Karatagi and Mr. Sunil Talwar, Alumni of Civil Engineering Department.



STUDENT ACHIEVEMENT



Mr. Sanket Atigal from 8th semester is placed in Tata Consultancy Services (TCS) during campus selection held in October 2020.

STAFF ACHIEVEMENT



Dr. M. Manjunath



Dr. Chidanand Patil

Dr. M. Manjunath, HOD & Dr. Chidanand Patil, Asst. Prof. Dept. Civil Engg., their paper entitled "Pozzolonic Activity & Strength Activity Index of Bagasse and Fly ash blended cement mortar" has been awarded "Best Paper" presented in 2nd international conference on Recent Advances in Materials & Manufacturing (ICRAMM 2020) held on 20th-21st Nov. 2020 at Erode, TN, India.

STAFF PUBLICATIONS

1. Kiran S. Koraddi, Seismic Response of Shear Wall Buildings with Rigid and Flexible Foundations, International, IUP Journal of Structural Engineering; Hyderabad Vol. 13, Issue. 1, (Jan 2020): 15-27.
2. Nikhil Jambhale, Foamed Concrete with GGBS, Fly Ash, Polypropylene and Recron3s Fibers: An Experimental Study, IUP Journal of Structural Engineering; Hyderabad Vol. 13, Issue. 2, (Apr 2020): 15-36.
3. ChidanandPatil, M Manjunath, SnehaBandeekar, Physicochemical analysis of sugarcane bagasseash (SBA) blended concrete to evaluate the pozzolanic activity of SBA, doi:10.1088/1742-6596/1706/1/012140
4. Sateesh N. Hosamane, ChidanandPatil, AkshataYaragatti, AkshayHukerikar, SachinPatil, PavanChachadi, ZnO-CuO nanocomposites: synthesis, characterization and antibacterial activity, doi:10.1088/1742-6596/1706/1/012018
5. Shivali V Tarali, Nayana P Hoolikantimath, Nagalakshmi Kulkarni, Praveen A Ghorpade, A novel cement-based technology for the treatment of fluoride ions, SN Appl. Sci. 2, 1205 (2020). <https://doi.org/10.1007/s42452-020-2986-7>
6. Sateesh N Hosamane, K S Prashanth and Arjun S Virupakshi, Assessment and prediction of PM10 concentration using ARIMA, 2020 J. Phys.: Conf. Ser. 1706 012132
7. Chidanand Patil, Manjunath M, Physicochemical analysis of sugarcane bagasseash (SBA) blended concrete to evaluate the pozzolanic activity of SBA, doi:10.1088/1742-6596/1706/1/012140
8. Chang Lin, Ming-Jer Kao, Juan-Ming Yuan, Raikar R. V., Wei-Ying Wong, James Yang, and Ray-Yeng Yang, Features of the flow velocity and pressure gradient of an undular bore on a horizontal bed, <https://doi.org/10.1063/5.0001525>
9. Sagar M Waghmare, Pramod T Hanamgond, Debashish Mitra, Basavraj K Koti, Priyanka S Shinde, Application of Remote Sensing and GIS Techniques to Study Sediment Movement along Harwada Beach, Uttar Kannada, West Coast of India, <https://doi.org/10.2112/JCOASTRES-D-19-00170.1>
10. Kiran M. Malipatil, Siddramappa Itti, Varunashree Meti, Toughness Characterization of Fiber Reinforced Concrete Beam using Fracture Mechanics, 10.35940/ijeat.C5627.029320
11. Kiran M Malipatil, SV Itti, Stress Intensity Factor and Damage Index of Reinforced Concrete Beam, https://doi.org/10.1007/978-981-15-4779-9_19
12. Chang Lin, Ming-Jer Kao, James Yang, Raikar, R. V., Juan-Ming Yuan, Shih-Chun Hsieh, Particle acceleration and pressure gradient in a solitary wave traveling over a horizontal bed, <https://doi.org/10.1063/5.0028537>
13. Chang Lin, Ming-Jer Kao, Raikar, R. V., Juan-Ming Yuan, James Yang, Po-Yu Chuang, Jie-Ming Syu, Wei-Chih Pan, Novel similarities in the free-surface profiles and velocities of solitary waves traveling over a very steep beach, <https://doi.org/10.1063/5.0016444>.
14. Chang Lin, Ming-Jer Kao, Juan-Ming Yuan, Raikar, R. V., Shih-Chun Hsieh, Po-Yu Chuang, Jie-Ming Syu, Wei-Chih Pan, Similarities in the free-surface elevations and horizontal velocities of undular bores propagating over a horizontal bed, .
15. Suraj M Sutar, Hemantkumar M Savanur, Chidanand Patil, Pavankumar Prabhala, Gopalakrishnan Aridoss, Rajesh G Kalkhambkar, Palladium Catalyzed Electrophilic C2-Arylation of Azoles by Aryltriazenes in Ionic Liquid Promoted by Acidic Ionic Liquid, <https://doi.org/10.1002/slct.202002854>
16. Suraj M Sutar, Hemantkumar M Savanur, Chidanand Patil, Geeta M Pawashe, Gopalakrishnan Aridoss, Kang Min Kim, Rajesh G Kalkhambkar, Synthesis, molecular modelling studies and antimicrobial activity of Coumarin and 1- Azacoumarin linked 1,2,3-Triazole, <https://doi.org/10.1016/j.cdc.2020.100480>

MBA DEPARTMENT



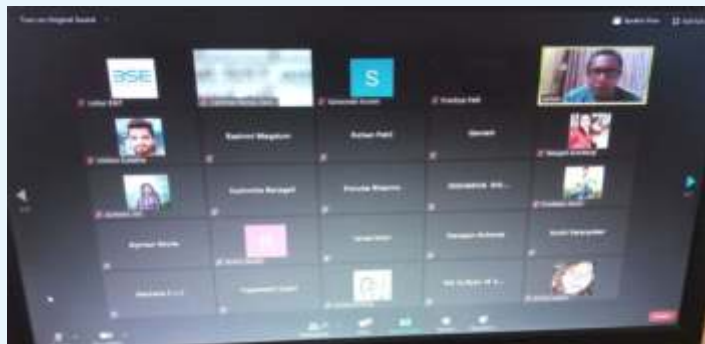
KLE MBA Student **Mr. Gangadhar Algur**, 2015 Batch, MBA for securing 14th Rank in KPS.

<p>KLE DE. M S SHESHTIGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY UDYAMBAI, BELGAUM DEPARTMENT OF MBA</p>		<p>Speakers</p>
<p>KLE MBA Presents One-day webinar on How to prepare for Placements? COVID or NO COVID</p>		<p>Dr. D. G. Kulkarni Director, KLE MBA</p> <p>Prof. Prabhakar Mange Placement Officer KLE De. MACEET, Bgm.</p>
<p>Event Date: 30/06/2020 Event Location: Google Meet Event Time: 11.00am to 12.30pm Registration Link: https://forms.gle/2UxSk7EHesndTgHCA</p>		<p>Principal Dr. Basavaraj Katagiri</p>
<p>Event Coordinator Prof. Prayag Gokhale</p>		

From 'Campus to Corporate'—Covid or No Covid webinar conducted by MBA department on 30/06/2020 Dr. D.G. Kulkarni and Prof. Prabhakar Mange were resource Person. Prof. Prayag Gokhale was the coordinator.



First semester students of KLE MBA for winning the General Championship at IMSR, Hubli for the event **BAMBOOZLE**



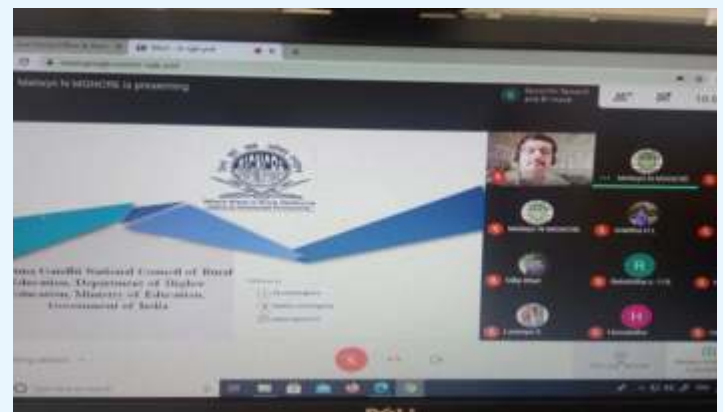
One day webinar on **Capital Market Awareness** by Ashok Kumar-MD of Knowwealth Pvt.Ltd. Mumbai on 26/9/2020. Learning continued even in situation of COVID adversity.



At the State level process on 5/11/20, Akash Suldhal of KLE MBA makes it with a package of 6.22 lakhs. We feel happy and nice.



Online **PGCET** training (e-learning) for all graduates by KLE MBA



Dr. D.G.Kulkarni attended a One day (Phase II) workshop on MGNRE-Government India Webinar on 18/11/2020

ACADEMIC ACTIVITIES

1. Dr. D.G. Kulkarni attended a 05 day FDP on Universal Human Values from 2nd to 6th May 2020.
2. Dr. D.G.Kulkarni was resource person for Webinar organised by Dr. D.Y. Patil College of engineering Kolhapur on 18/06/2020
3. Dr. D.G. Kulkarni Attended one day MGNRE- Government of India webinar on National Entrepreneurship on 22/09/2020.
4. Dr. D.G.Kulkarni was resource person for the Orientation Program conducted by RLSI-BCA department on 3/10/2020.
5. Dr. D.G.Kulkarni attended 4th International Teachers Congress- MIT, Pune on 15/12/2020 to 18/12/2020
6. A 3 day Intensive training program for Placement was conducted for students of MBA department on 27/10/2020 to 29/10/2020

Sl. No.	Particular	Nos.
1	Papers Published in International Journals By the Faculty	06
2	Papers Presented in International/National Conferences by the Faculty	05
3	Coursera Certifications completed by the Faculty	33
4	Coursera Certifications completed by the Students	95
5	FDP Programs and Workshops attended by the Faculty	09

DEPARTMENT OF MECHANICAL ENGINEERING



Department of Mechanical Engineering

150 registrations only

WEBINAR

e - Certificates will be provided

Fracture Mechanics, Fundamentals and Applications

BY

Dr. Shashidhar K. Kudari
Professor and Associate Dean, Faculty Affairs
CVR College of Engineering, Hyderabad

ON <https://forms.gle/aaQmVgzsQ83iv9>

25th June, 2020 (Thursday) at 10.00 am

Dr. C. V. ADAKE
HEAD OF DEPARTMENT

Dr. S. F. PATIL
PROFESSOR AND DEAN, STUDENT WELFARE

Dr. BASAVARAJ KATAGERI
PRINCIPAL

A Webinar on **Fracture Mechanics, Fundamentals and Applications** was conducted by the Department of Mechanical Engineering on 25th June 2020.

Dr. Shashidhar K. Kudari, Prof. & Asso. Dean, CVR college of Engineering, Hyderabad was the resource person for the event.

LIST OF PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS ACADEMIC YEAR: 2020-21

1. Amit Gadagi, C. V. Adake, "Radial basis artificial neural network assisted multiple regression analysis of a GFRP turned composites", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.12.695>, 2021.
2. Amit Gadagi, C. V. Adake, "A constrained multi-objective optimization of turning process parameters by genetic algorithm and particle swarm optimization techniques", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.12.692>, 2021.
3. Amit Gadagi, C. V. Adake, "Algorithms for sorting and Recognizing of undercut features in Plastic Products", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.12.1190>, 2021.
4. C V Adake, Prasanna Gandhi, Parag Bhargava "Effect of curing protocol on mechanical behavior of green ceramic bodies fabricated from in ceramic microstereolithography" Transactions of Indian Ceramics Society <https://doi.org/10.1080/0371750X.2020.1821786>
5. SB Gunjati, CV Adake Innovation in Indian SMEs and their current viability: A review Materials Today Proceedings 28(4), 2020, 2325-2330
6. SA Soundattikar, VR Naik, C V Adake Design and development of intelligent handling system for components in small and medium scale industries Materials Today Proceedings, 27(1) 2020, 87-95
7. A H Gadagi, C V Adake, S I Sangolli, Shashidhar Halligerimath "Comparison of multiple regression and radial basis artificial neural network models in turning of mild steel components" IOP Conf. Series: Materials Science and Engineering 872, 012014, 2020, 1-7
8. Bahubali B. Kabnure, Vasudev D. Shinde, Deepak C. Patil, "Casting Simulation for Prediction and Removal of Shrinkage and Yield Optimization", Materials Today Proceedings, 27(1), 2020, 111-116
9. Ravishankar N Chikkangoudar, Chetan S Jarlai, S Raja, Subhas F Patil "Consistent derivation of non-constant material function for one-dimensional shape memory alloy phenomenological model" Materials Today: Proceedings 27 (2020) 539-545
10. Chetan S Jarlai, Ravishankar N Chikkangoudar, Subhas F Patil, S Raja, Y Charles, Jacob Fish "Derivation of Compatibility Conditions And Nonconstant Material Function For One-Dimensional Constitutive Relations of Shape Memory Alloys" International Journal for Multiscale Computational Engineering, 18(3):385-407 (2020)
11. S A Janawade Studies on mechanical behavior and morphology of alumina fibres reinforced with aluminium – 4.5% copper alloy metal matrix composites,
12. S. B. Angadi, V. N. Gaitonde and Mrityunjay Doddamani, Assessment of Specific Cutting Coefficient (SCC) in Drilling of Cenosphere/Epoxy Syntactic Foams, Materials Today: Proceedings, 2020 by Elsevier, Published Online: 16 Jan 2021.
13. A B Muddebihal and S F Patil, Preparation and study characteristics of Iron based MR fluids, Materials Today: Proceedings, International Conference on Advances in Materials and Manufacturing Applications (IConAMMA), 24, 2020, pp. 1132-1137.
14. Tushar T Hawal, Maharudra S Patil, Raviraj M Kulkarni, S. N. Nandurkar, "Synergetic effect of rubber on the tensile and flexural properties of graphene-based epoxy-carbon fiber hybrid nanocomposite" Material Today: Proceedings, Vol. 27. 2020.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



Workshop on “**Soft Skills**” conducted for the technical staff members of our college by Prof. Shashidhar H, Mr. Sachin Shinde & Mr. K. B. Kumbhar of CSE department on 29th & 30th of May 2020. 30 technical staff members of various departments were attended the workshop



“SIH Internal Hackathon” conducted in the department for all students. Judges were DEAN and HOD of all the departments.

1. A webinar on “Blockchain&its Applications” was conducted on 14th June 2020. Resource person: Mr. MayurPatil Dr. S. Kotrappa organized the webinar. 84 faculty members attended the webinar from various engineering colleges across India.
2. A webinar on “Towards Successful Publication of Research Work” was conducted on 17th June 2020. Dr. Mahantesh Birje, Professor Dept. of CSE & Chief Editor I-JSTEM, Director Prasaraanga VTU Belagavi was the resource person. Prof. S. R. Nagarmunoli organized the webinar.
3. A webinar on “Data Science & Its Applications” conducted on 10th of July 2020. Mr. ManjunathGummaraju Data Scientist, Bangalore was the resource person for the webinar. Dr. S. Kotrappa organized the webinar. 248 faculty members from various engineering colleges across the India attended the webinar.
4. A webinar on “Transition from Campus to Corporate” conducted on 10th of July 2020. RenukaKolagi, Avionics Engineering Manager, Collins Aerospace & Prasad Inchal, Technical Expert HPE India were the resource persons. Prof. S. R. Nagarmunoli organized the webinar.
5. Department of CSE held an Alumni meet on 12th Sept.2020, total participants were 300+. The Alumnus from various parts of US, UK, Australia, Dubai, Singapore, New Zealand, Malaysia, and Canada joined the meet.The Alumni Meet started with an invocation song seeking the blessings of almighty. Welcome Speech addressed by HOD of CSE Dr. V S Malemath. Discussions on current scenario of industries, requirements and current trends in IT Industry were done. Alumni also expressed their views regarding necessities of quality in students for fulfilling demand of industry. Principal Dr. Basavaraj G. Katageri gave Presidential remark,highlighting the milestones reached by the college in the past years. Lastly the meeting was concluded with vote of thanks by Prof B A Patil the event was coordinated by Prof Uma Patil and Prof S R Nagarmunoli.

Conducted AICTE sponsored online STTP on “DEEP LEARNING TOOLS & TECHNIQUES”



Phase – I of AICTE Sponsored STTP on Deep Learning Tools & Techniques (2nd – 7th November 2020) was inaugurated by Dr. P. Nagabhushan, Director IIIT, Allahabad.



Phase – II of AICTE Sponsored STTP on Deep Learning Tools & Techniques (23rd –28th November 2020) was Inaugurated by Dr. K. Biswas, Prof. IIT, Delhi

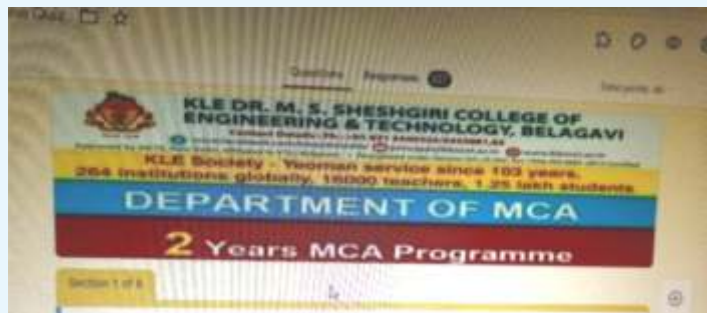


Phase – III of AICTE Sponsored STTP on Deep Learning Tools & Techniques (7th – 12th December 2020) was inaugurated by Dr. K. C. Santosh, Chair, Dept. of Computer Science, University of South Dakota, USA.

Department of Computer Science and Engineering conducted AICTE sponsored online STTP on “DEEP LEARNING TOOLS & TECHNIQUES, in 3 Phases 2nd – 7th November 2020, 23rd – 28th November 2020 and 7th – 12th December 2020. Deep Learning has become an integral part in Artificial Intelligence / Machine Learning and Data Science. Deep Learning performs well with images, text and other types of data when compared with Machine Learning / Artificial Intelligence. Due to the diversified application area such as Computer Vision, Machine Vision, Speech Recognition, Natural Language Processing, Audio/Video Recognition, Social Network Filtering, Machine Translation, Bio-informatics, Medical Images / Object recognition, and drug design etc., Deep Learning has led new dimensions and it is one of the fast growing areas of research. The participants were Research Scholars and Faculty members from various AICTE approved Engineering Colleges across India. The resource persons are drawn from premier Institutions such as IIT's, NIT's and Industries. These events were Chaired by Dr. Basavaraj G. Katageri, Principal and Coordinated by Dr. V. S. Malemath, Professor & Head (CSE) and supported by Faculties of the Department of CSE & MCA.



Mr. Samiulla Hubballi, student at the Department of CSE, KLE Dr MSSCET, Belagavi, secured 3rd prize in the competition "Geek-O-Code" a national level coding competition conducted by PRINCE College Chennai on 23/06/2020.



"C" Programming Online Quiz for students on 16th June 2020.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Students Academic Achievement

Students from the Department of Electronics and Communication Engineering have been shortlisted among top KPIT Sparkle 100 teams. This project "Acoustic Energy harvesting" is being approached for a prototyping grant amount of Rs. 25000 from I-Create Spark up program from Gujarat state. Project team members: Supreet Pattanshetti, Omkar V Patil, Vinayak Bhustali, Karthik Venkatachalam & Anup Toggi. Group mentor: Dr. Arun Tigadi.



Two project groups have been selected by IT & BT Cell for K-Tech funded projects

MATER OF COMPUTER APPLICATIONS

One-day workshop on "IoT, Cloud Computing & its applications" organized by the department on 6th March 2020.



Free PGCET coaching for One day on 9th October 2020



The Department of Electronics & Communication Engg, KLEDr.MSSCET, Belagavi organized a Webinar on "Roles & Opportunities for CISCO Network Engineers" in Association with Na-WIN Gurukula, Bengaluru on 8th June 2020, for the overall benefits of the Students of our college. Coordinated by Prof.S.M.Hungund.



Department of Electronics and Communication Engineering organized a Webinar on "Artificial Intelligence and Machine Learning" on 19-07-2020" at 10am-12pm. coordinated by Dr. Arun S. Tigadi.

Sl. no	Selected Project Name	Funds Approved from GoK in Rs.	Students Name
1	DLP 3D Resin Printer	Rs.1.54,000	1.Dhanashree G Hampiholi 2.Shrirang Kulkarni 3.Ashrit Vernekar 4.Rahul Bellad 5.Bhanumati 6.Abhishek Kolvekar
2	Microwave Based POP Corn Machine	Rs.2.80,000	1.Serena Lazarus 2.Shivani Dalvi 3.Prarthana Shenvi 4.Pratik S Kulkarni 5.Soheb C Multani 6.Yogesh Jadhav

Workshop/seminar/FDP Attended/conducted/Course completed

Department of Electronics and Communication organized a "Webinar on Math Works Campus Engagement program" for faculties on 03-06-2020 at 3.30 pm. It was coordinated by Dr. Arun S.Tigadi.

KLE DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING & TECHNOLOGY
UDYAMBAGH, BELAGAVI - 590008

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

A Webinar on MATH WORKS CAMPUS ENGAGEMENT PROGRAM

In Association with **CoreEL Technologies**

Reource Person
Shashikumar J. K., CoreEL Tech. Pvt. Ltd.

Register at: <https://bit.ly/2XMG7gS>

On, 3rd June, Wednesday at 3.30pm

Event coordinator: **Dr. Arun S. Tigadi**
Head of Dept. E&C: **Dr. Rajashri Khanai**
Principal: **Dr. Basavaraj Katageri**

KLE DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING & TECHNOLOGY, BELAGAVI, KARNATAKA.

Department of Electronics and Communication Engineering

Online Webinar on Artificial Intelligence and Machine Learning

Important Dates:
Saturday, 06th June, 2020
Time: 10.00 AM to 1.00 PM

For Registration Scan the QR Code:

Dr. Arun Tigadi
Coordinator, Dept. of E&C
Phone: 9882730194

A 2-Day Technical Seminar was conducted for Research scholar by Dr. Arun Tigadi and Dr. R.V.Raikar

KLE DR. M. S. SHESHGIRI COLLEGE OF ENGINEERING AND TECHNOLOGY, BELAGAVI
(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka & Affiliated to VTU, Belagavi)

Department of Electronics and Communication

A Technical Seminar on CONCEPTS OF LITERATURE SURVEY

We Cordially Invite
All Research Scholars to join this Technical Seminar which would serve as a great opportunity to upgrade your knowledge in the area of Research

Schedule: 6th & 7th Aug 2020
10.30 am onwards

Venue: EC Seminar Hall

Resource Persons:
Dr. R. V. Raikar & Dr. Arun S. Tigadi

Event Coordinator: **Prof. Sushant Jadhav**
HOD E&C: **Dr. Rajashri Khanai**
Principal: **Dr. Basavaraj Katageri**

ACADEMIC ACTIVITIES

1. Prof Sushant J Attended 2 days Online FDP on "Skill Enhancement for Academicians"
2. Prof Rudrappa.G Attended the following FDP/Workshops/Seminar
3. Participated in two days workshop on "Hands on Arduino Programming" organised by NITK-STEP in association with Pantech from 15th August, 2020 to 16th August, 2020.
 - Participated in two days workshop on "Practical Approach of Tensor and Keras" organised by NITK-STEP in association with Pantech from 15th August, 2020 to 16th August, 2020.
 - Participated in two days Faculty Development Programme webinar on "Skill Enhancement for Academicians" organised by Jain College of Engineering, Belagavi from 8th June to 9th June, 2020.
 - Participated National Level Webinar on "Simulation Driven Innovation for e-Mobility" organized by ALTAIR and KLE Technical University on 10th June, 2020.
4. Prof Arun. Tigadi Attended the following FDP/Workshops/Seminar
 - Recent trends in Wireless sensor Networks and Communication System 3-6 June 2020 , by Department of E & C VSM , Nipani
 - VLSI IC Design Flow, 28th-30th May 2020 by Anurag University and Entuple, Telangana
 - "Internet of Things (IoT)" 2020-9-14 to 2020-9-18 at Indian Institute of Information Technology Kottayam.
 - Emerging trends in Automotive Embedded systems held during 12th to 14th August 2020 held at BIT in association with Robert Bosch
 - "Concepts, Methods, Challenges and Future directions in Medical image analysis using Machine learning", organized by the Department of Electronics and Instrumentation, SJCE, JSS S & TU, Mysuru, from 10th to 14th August 2020, under TEQIP Phase III
 - Short Term Training Programme through ICT Mode on Artificial Intelligence from 15/06/2020 to 19/06/2020 at NITTTR KOLKATA
 - Research trends in Image Processing, GATES institute of technology, 15th to 19th June 2020
 - ICT/LMS tools for teaching and learning, K.C.CEMSR Thane 16th to 19th June 2020
 - Machine learning based project architecture design , 15th to 19th June 2020, TEQIP-III, BEC Bagalkot
 - Skill enhancements for academicians 8-9 June 2020 by Department of E & C, JCE Belagavi
 - Effective Online teaching strategies 6th June 2020, Marian International Institute of management.

5. Prof Sushant J completed an NPTEL course on Digital Circuits
6. Prof Ashwini.Desai completed an NPTEL course on CMOS Digital VLSI Design Jan-Mar 2020.
7. Prof S.M.Hunagund Completed an NPTEL course on Introduction to Embedded System Jan-Mar 2020

CONFERENCES/PUBLICATION/PRESENTATIONS

1. Kalkhambkar, Geeta, Rajashri Khanai, and Pradeep Chindhi. "Design and Analysis of Wideband Polygonal Microstrip Fractal Patch Antenna with Three Dimensional Finite Difference Time Domain Method and UPML Boundaries." International Journal of Advanced Research in Engineering and Technology (IJARET) 11.9 (2020).
2. Kulkarni, Pallavi, Rajashri Khanai, and Gururaj Bindagi. "A Comparative Analysis of Hybrid Encryption Technique for Images in the Cloud Environment." 2020 International Conference on Communication and Signal Processing (ICCSP). IEEE, 2020.
3. Torse, Dattaprasad, Veena Desai, and Rajashri Khanai. "An optimized design of seizure detection system using joint feature extraction of multichannel EEG signals." Journal of biomedical research 34.3 (2020): 191.
4. Rudrappa.G "Cloud Classification using K-Means lustering and Content Based Image Retrieval Technique" 9th International Conference on Communication and Signal Processing 2020(International Conference on Communication and Signal Processing, July 28 - 30, 2020, pp –0705 – 0709, India
5. Ashwini Desai, Uday Wali, "Effect of Module Order on VLSI Floor Planning using Simulated Annealing", 2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECT), Electronic ISBN: 978-1-7281-6828-9, IEEE Xplore 16 September 2020.
6. Ashwini Desai, Uma Kulkarni," Design of Charge Pump PLL using 180nm CMOS Technology" 35th Indian Engineering Congress, December 18-20, 2020 organized by "The Institution of Engineers (India)" Theme of the Congress: Engineering for Self Reliance and Sustainable Goals
7. Niranjana Pattar, Basavaraj Chougula & Arun S. Tigadi, " An Experimental Setup For The Performance Monitoring Of Heat Exchanger Using Internet Of Things (IOT)" published in "International Journal Of Mechanical And Production Engineering Research And Development (IJMPERD)", Vol-10, Issue - 3; edition: Jun 2020.
8. Basavaraj Chougula, Arun Tigadi, Prabhakar S Manage, Sadanand Kulkarni, "Road segmentation for autonomous vehicle: A review" has been presented full length paper in 3rd International Conference on Intelligent Sustainable Systems(ICISS 2020) organized on December 3-5 ,2020 by SCAD Institute of Technology at Palladam, India.
9. Sneha Nargundkar, Prabhakar Manage, Arun Tigadi, Gujanatti Rudrappa, Basavaraj Chougula, Anand Konnur, "A Novel Non Invasive Myocardial Infarction Vigilant system" has been presented full length paper in 3rd International Conference on Intelligent Sustainable Systems(ICISS 2020) organized on December 3-5, 2020 by SCAD Institute of Technology at Palladam, India.
- 10.Prasanna Vernekar, Basavaraj Chougula, Manjiri Pawar, Anirudha Patil, Keerthi Hooli, "Gesture Controlled Wheel Chair and Convertible Wheel Chair into Stretcher" has been presented as a full paper with one of the premier conference of Bangalore Section IEEE International Conference for Emerging in Technology (IEEE INCET 2020), Belagavi, India.(Google Scholar)(Scopus)
- 11.P. Manage, S. Nargundkar, and V. Rayar "An Experimental Study on Electrical Impedance Tomography and Image Reconstruction using EIDROS and FEMM" is published in IEEE Xplore with DOI: 10.1109/ICCSP48568.2020.9182156 through ICCSP SCOPUS indexed Conference, April 2020.
- 12.P. S. Manage, U. Naik, S. Kareemulla, and V. Rayar "Dual Band Notched UWB-MIMO Antenna Incorporating CSRR for WLAN and X Band Applications" is published in IEEE Xplore through ICSSIT SCOPUS indexed Conference, August 2020
- 13.P. S. Manage, U. Naik, S. Nargundkar, and V. Rayar "A Survey on applications of Metamaterials in Antenna Design" is published in IEEE Xplore through ICSSIT SCOPUS indexed Conference, August 2020
- 14.Shivprasad More and Udaykumar Naik "Optimal Multipath routing for video transmission in VANETs" in Wireless Personal Communications Journal, vol.116(1), 2021, pp:805-827
- 15.Shivprasad More, Udaykumar Naik, V.S. Malemath, Priyatam Kumar,"Efficient multipath driven lossless video transmission for VANETS",in Materials Today: Proceedings, Oct, 2020, ISSN 2214-7853,
- 16.Vijay Rayar. "A Survey on DoA Measurement using ULA and UCA for Wireless Sensor Network Applications" Conference Publication ICISS-2020 during 3rd to 5th December 2020.
- 17.A.C. Konnur, A. S. Tigadi, PrabhakarManage, and S. K. Vadayanpur, "High gain patch antenna using EBG structures for WiMAX application," IOP Conf. Ser. Mater. Sci. Eng., Vol. 1070, No. 1, pp. 012073, Feb. 2021, doi: 10.1088/1757-899X/1070/1/012073 Keshavamurthy

CONFERENCES/PUBLICATION/PRESENTATIONS

- 18.S M Hunagund, S.G. Shiva Prasad Yadav, A Vinutha“Implementation of Secure Multicast Routing for Cognitive Satellite-Terrestrial Networks”International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), 2020.
Sadashiv Shirabur
- 19.Shivaling Hunagund, Suresh Murgod “VANET Based Embedded Traffic Control System” 2020 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT), 2020.

DEPARTMENT OF LIBRARY

Webinar – “DELNET Networked Resources and Services:”

KLE Dr. M. S. Sheshgiri, College of Engineering and Technology, Belagavi, Department of Library, organized a webinar on the vital topic “DELNET Networked Resources and Services: DELNET Discovery Portal and Knowledge Gainer Portal” on 3rd Dec 2020. More than 340 delegates attended this webinar.

Dr. Sangeeta Kaul, Director, DELNET, New Delhi, addressing the participants, about DELNET, as network of 6800 libraries spread across 8 countries, enabling sharing of the resource among member libraries. She enlightened the participants about the valuable services extended to scientific research and academics. She continued that the proliferation of information science and technology has created new systems to facilitate, the prompt access and delivery of documents. DELNET's newly launched Discovery Services and Knowledge Gainer Portal has sophisticated features for advanced knowledge discovery. This new portal is a single-window discovery layer that encourages the user to explore the networked library resources offered through DELNET in a feature-rich environment.

Faculty members, research scholars from Karnataka and neighboring states attended the session and interacted with the speaker. Principal, Dr. Basavaraj Katageri appreciated the resources and services of DELNET. Dr. Rajkumar Raikar, Dean R& D spoke about the objectives and the necessity of this webinar. Dr. Satish Totar, the chief librarian, introduced the key resource person and highlighted the objectives of the webinar. Dr. Praveen Ghorpade, the Dean Academic, proposed the vote of thanks.



Webinar – “Successful research papers: From concept to submission”

Research and Development Cell and Department of Library organized a webinar on the vital topic “Successful research papers: From concept to submission” on 11th June 2020.

Dr. Basavaraj Katageri, Principal, spoke on the importance of making research an integral part of engineering education. He addressed young researchers about the desired qualities and characteristics of a good researcher and emphasized the need for frugal research on topics of social relevance. Dr. Maina Singh, Prof., American University Washington DC, Director, GIST, was the key resource person. She spoke on strategies for successful research. Mr. Venkatesh, Manager, Knimbus Online Pvt Ltd. spoke on a holistic approach in literature Review. Dr. Rajkumar Raikar, Dean R& D spoke on the objectives of this webinar. Dr. Satish Totar, proposed the vote of thanks.

SL.No	Event Date	Events Details
1	01st June 2020	“Effective Utilization for Research Publication through Knimbus Digital Library” by Mr. Venkatesh, Senior Manager, Client Engagement, Knimbus Online Pvt Ltd - New Delhi
2	11th June 2020	“Successful Research Papers: From Concept to Submission” Resource Person by Dr Maina Chawla Singh, Director GIST , Prof American University Washington DC.
3	02nd December 2020	"DELNET Networked Resources and Services: DELNET Discovery Portal and Knowledge Gainer Portal". Dr Sangeeta Kaul , Director - DELNET-Developing Library Network, New Delhi

DEPARTMENT OF ENGINEERING SCIENCE AND HUMANITIES

Webinar Organized

Department of Engineering Science and Humanities, Mathematics Section, Organized A One Day Webinar On 'Graph Theory Applications In Online Social Networks', on 16th June, 2020. Dr. Deep Sinha from South Asian University, New Delhi were the resource person for the webinar.

Orientation program for First year students 2021

Department Of Engineering Science and Humanities conducted one week Induction program for 42nd batch of first year students, from 21st to 26th, December, 2020. Dr. A. S. Deshpande, Registrar Evaluation was the Chief Guest for the Inaugural function. Our beloved Principal Dr. Basavaraj Katageri was the president for the function

LIVE WEBINAR

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DEPARTMENT OF ENGINEERING SCIENCE & HUMANITIES (MATHEMATICS)

Graph Theory Applications in Online Social Networks

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Coordinator
Dr. Manjula Gundgeri
Professor in Mathematics,
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KLE Dr. M S Sheshgiri
Belagavi

PRINCIPAL
Dr. Basavaraj Katageri
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KLE Dr. M S Sheshgiri
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PAPERS PUBLISHED

1. B. S. Durgi, S.M.Mekkalike and S. M. Hosamani, "On The Modified Wiener Index And Its Chemical Applicability", The Journal Advances In Mathematics: Scientific Journal, 9 (2020), No.9, 7689–7698. (Issn: 1857-8365 (Printed); 1857-8438 (Electronic), <https://doi.org/10.37418/Amsj.9.9.112>) (Scopus)
2. Ravi Bharamagoudar, V. Jagadeesha angadi & Anil S. Patil, Evidence of Weak Ferromagnetism, Space Charge Polarization, And Metal To Insulator Transition In Dy-Doped CaMnO₃, Journal of Superconductivity and Novel Magnetism, Springer Nature 6th Jan 2021, <https://doi.org/10.1007/S10948-020-05770-1>. Sudhirm Hiremath, Seemas. Khemalapure, Chidanandayyas. Hiremath, Anil S. Patil
3. nd Mahantesh basanagouda Quantum Chemical Computational And Spectroscopic (Ir, Raman, Nmr, And Uv) Studies On The 5-(5-Methoxy-Benzofuran-3-Ylmethyl)-3h-[1, 3, 4] Oxadiazole-2-Thione, Journal of Molecular Structure (Elsevier), Volume 1210, 15 June 2020, 128041, <https://doi.org/10.1016/J.Molstruc.2020.128041>
4. Sunilkumar M. Hosamani, V. Loksha, Shobha V. Patil "On Plick Graphs With Point-Outercoarseness Number One", Journal of Pure And Applied Mathematics, ISSN 1307-5543 (Scopus)
5. Shobha V. Patil, Shailaja S. Shirkol And Sunilkumar M. Hosamani "Hyper Terminal Wiener Index Of Some Dendrimer Graphs And Detour Saturated Trees", Palestine Journal of Mathematics, Vol. 9(2), (2020), 740–748. (Scopus)
6. Vinayak Adimule, Anusha Suryavanshi and Santosh Nandi. Synthesis, Characterization and Impedance Studies of Novel Nanocomposites of Gadolinium Titanate. IOP Conf. Series: Materials Science and Engineering 872, 9th April 2020, 012099. <https://doi.org/10.1088/1757-899x/872/1/012099>
7. Vinayak Adimule, Anusha Suryavanshi, Yallur B C, and Santosh S. Nandi. A Facile Synthesis of Poly (3-Octyl Thiophene): NiO.4sr0.6tio3 Hybrid Nanocomposites For Solar Cell Applications. Macromol. Symp. 19th August 2020, 392, 2000001. <https://doi.org/10.1002/Masy.202000001>
8. Anusha Suryavanshi, Vinayak Adimule, and Santosh S. Nandi. Synthesis, Impedance, and Current–Voltage Characteristics of Strontium-Manganese Titanate Hybrid Nanoparticles. Macromol. Symp. 19th August 2020, 392, 2000002. <https://doi.org/10.1002/Masy.202000002>
9. Santosh S. Nandi, Anusha Suryavanshi, Vinayak Adimule, and Basappa C. Yallur. Fabrication of Novel Rare Earth Doped Ionic Perovskite Nanomaterials of Sr_{0.5}, Cu_{0.4}, Y_{0.1} and Sr_{0.5} and Mn_{0.5} For High Power Efficient Energy Harvesting Photovoltaic Cells. AIP Conference Proceedings 2274, 020005, 05th october 2020. <https://doi.org/10.1063/5.0022450>
10. Santosh S. Nandi, Anusha Suryavanshi, Vinayak Adimule, and Basappa C. Yallur. Super Capacitor Characteristics of Novel Rare Earth Perovskite Nanomaterials Of Sr_{0.5}, Cu_{0.4}, Y_{0.1}. AIP Conference Proceedings 2274, 020007, 05th October 2020; <https://doi.org/10.1063/5.0022454>
11. Dr. Vinayak Adimule, Mr. R G Revaiah, Santosh S Nandi, Adarsha Haramballi Jagadeesha. Synthesis, Characterization of Cr Doped TE₂O Nanostructures and its Application as Egfet Ph Sensor. Electroanalysis. 33(3), 579-590, 9th October 2020. <https://doi.org/10.1002/Elan.202060329>
12. Vinayak Adimule, Santosh Nandi, B. C. Yallur. Optical, Structural and Photoluminescence Properties Of Gd X Sro: Cdo Nanostructures Synthesized By Co Precipitation Method. J Fluoresc, January 12, (2021). <https://doi.org/10.1007/S10895-021-02683-7>

PAPERS PRESENTED

1. Shobha V. Patil, presented a paper entitled "Distance Based Topological Indices of Some Graph Transforms" in 4th International Conference on current scenario in Pure and Applied Mathematics (Iccspam 2021-Online Mode), held during 29-30 January 2021, organized by the pg and research department of mathematics, kongunadu arts and science college, Coimbatore. Tamilnadu and had received "Best paper Award."
2. Santosh Nandi, participated and presented a paper entitled Heavy Metals Removal From Waste Water By Adsorption Process: a review in the 5th international conference on advances in material science (online)(icams-2020) organized by post-graduate department of physics and Iqac of Raje Ramrao Mahavidyalaya, Jath. Maharashtra, India during 6th to 07th June 2020.
3. Santosh Nandi, participated and presented a Paper Entitled Removal Of Hexavalent Chromium-Industry Treated Water And Wastewater: A Review in Iccamm 2020, Second International Conference On Recent Advances In Materials And Manufacturing (Icamm 2020) Organized By The Department Of Mechanical Engineering, Velalar College Of Engineering And Technology, Erode, Tamil Nadu, India During 20 - 21, November 2020
4. Santosh Nandi, presented paper entitled "Synthesis, Characterization And Impedance Studies Of Novel Nanocomposites of Gadolinium Titanate" at second international conference on MATERIALS SCIENCE AND MANUFACTURING TECHNOLOGY (ICMSMT 2020) on 9th and 10th April 2020 at the hotel aloft, Coimbatore, Tamil Nadu, India
5. Santosh Nandi, presented paper entitled "Morphology, Fabrication, Co-Precipitation Method Of Synthesis Gd-Sb₂O₄ Nanostructures And Their Application In High Performance Energy Storage Devices" In The International Conference On Nanoscience and Nanotechnology (Iconn 2021) Organized By Department Of Physics And Nanotechnology, Srm Ist, India, During February 01-03, 2021, In Association With Shizuoka University, Japan; National Chiao Tung University, Taiwan; Gns, New Zealand; University Of Rome, Italy; Rmit University, Australia; Tata Institute Of Fundamental Research And Springer Nature

Lectures Delivered as a Resource person

B. S. Durgi, delivered a session on, "Fourier Transform and its Applications", in one-week online faculty development program on, "Essential Mathematics for Engineers and Researchers", organized by department of general science and engineering, SKN Sinhgad College Of Engineering, Pandharpur, during November, 23-27, 2020.

NPTEL/Coursera: The faculty of the dpt. cleared 42 NPTEL/Coursera courses.

Conferences/webinars/FDPs: The faculty of Engineering Science and Humanities participated in 46 Events.



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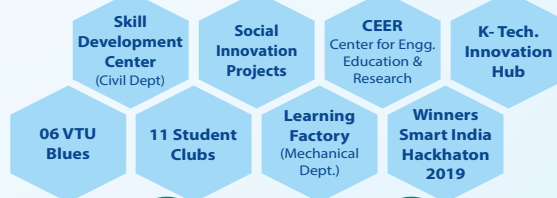
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Contact Details : Principal
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Ph: +91 831 2440322/2443881,82 Fax: +91 831 2441644
Email: principal@klescet.ac.in Web: www.klescet.ac.in

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