

Online

KLE Tech-Bosch

**Faculty Development Program
on**

“Human Machine Interface (HMI)”



Chief Patron:

Dr. Ashok Shettar

Vice Chancellor, KLE Tech, Hubballi

Dr. Basavaraj S. Anami

Registrar, KLE Tech, Hubballi

Dr. Prakash G. Tewari

Dean Academics, KLE Tech, Hubballi

Resource Experts

Laurentia Richard

Project Delivery Manager at Bosch India

Padma Krishnamurthy

Professor, Robotic Research Center, IIIT, Hyderabad
Sajith TS

Senior Engineer at BGSW, Bangalore

Mr. Sharath Kumar

Functional Safety Engineer, Robert Bosch Engineering
solutions, Bangalore

Convener:

Dr. Nalini C. Iyer

Professor and Head

School of Electronics and Communication Engineering

Coordinators:

Dr. P.C. Nissimagoudar

Associate Professor, School of ECE, KLE Technological
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Dr. Basawaraj

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Technological University, Hubballi.

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Prof. Gireesha H M

Asst. Professor, School of ECE, KLE
Technological University, Hubballi.



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Faculty Development Program on

“Human Machine Interface (HMI)”

19th April to June, 2022

Organized by

School of Electronics and Communication

Engineering,

KLE Technological University, Hubballi,

Karnataka-580031.

Coordinators

Dr. P.C.Nissimagoudar

Dr. Basawaraj

Prof. Gireesha H M

School of ECE

KLE Technological University, Hubballi

About the University

KLE Technological University (KLETech) has its roots in one of the premier engineering institutions of Karnataka, B.V. Bhoomaraddi College of Engineering and Technology (BVB), a prestigious engineering college in Hubli. The founding organization KLE Society, Belgaum, established BVB college in 1947 with an aspiration of creating an institution that would lay the foundation of modern engineering education in northern region of Karnataka. Over the years, it evolved to reach and hold a unique position of pride in the technical education system of India. As we entered into the 21st century, the college undertook comprehensive reform process to adapt to the challenging global engineering education scenario. In pursuit of academic excellence, the college attained academic autonomy from University Grant Commission (UGC) in the year 2007. As an autonomous college, BVB established its distinctive character in the academic pace through its curriculum and outstanding student experience.

About Bosch

Bosch Global Software Technologies Private Limited (BGSW) is a 100% owned subsidiary of Robert Bosch GmbH. One of the world's leading global suppliers of technology and **services**, offering end-to-end Engineering, IT, and Business Solutions.

Overview of the course

HMI, Drives and Networking Training is an intensive program focusing on Human Machine Interface (HMI), Man Machine Interfacing (MMI), and industrial networking. The course lays emphasis on developing and building a solid foundation on HMI.

Participants will develop the skills for fault diagnostics, troubleshooting, and interfacing with PLC. This skill-building training program will impart the knowledge and skills to work with PLC and understand wiring of different field devices to PLC. Various network topologies, ports, drivers, and associated hardware information is shared to implement man machine interfacing. This requires development of ML algorithms and their deployment on embedded devices. Engineers are helped in this task by tools such as MATLAB/Simulink, software toolchains, and ML frameworks. The availability of a vast selection of target hardware platforms, from tiny SoCs to high-performance heterogeneous computing platforms makes it convenient to implement novel solutions.

Objective of the Course

Upon the completion of the training, you will hold the following capabilities:

- In-depth understanding of control systems and industrial automation
- Working with MMI for fault display, timer counter setting
- Create applications to get started with HMI
- Understand data files, relay proximity sensor, simulator analysis, mathematical and logical concept to work on interface with PLC
- Understand the concepts for industrial networking including network topologies, nodes, ports, drivers and hardware
- Configure and control different drives

Eligibility

The programme is open to the faculty/research scholars of Engineering/Polytechnic colleges recognized by AICTE and Industry members working in Electrical /Electronics/ Computer science engineering and allied departments.

Sl No	Calendar Week	Date	Time		Topic	Trainer	Participants / Faculty Attended
			Start	End			
							Dr. Basawaraj basawaraj.patil@kletech.ac.in Nalini Iyer nalinic@kletech.ac.in
1	CW-16	19-Apr-22	10:00 AM	11:30 AM	Overview of HMI	Apitha B	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
2	CW-16	20-Apr-22	10:00 AM	11:30 AM	HMI Architecture & Concepts/ HMI Sub Components (Widgets, Framework, statemachine)	Pradeepa	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
3	CW-16	21-Apr-22	10:00 AM	11:30 AM	General introduction to HMI	Padma Krishnamurthy	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
4	CW-17	26-Apr-22	10:00 AM	11:30 AM	Professional System/Rear seat entertainment	Pushpa Talawar	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
5	CW-17	27-Apr-22	10:00 AM	11:30 AM	Evolution, Overview, H/W, S/W and mechanics introduction	Abhinand	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p

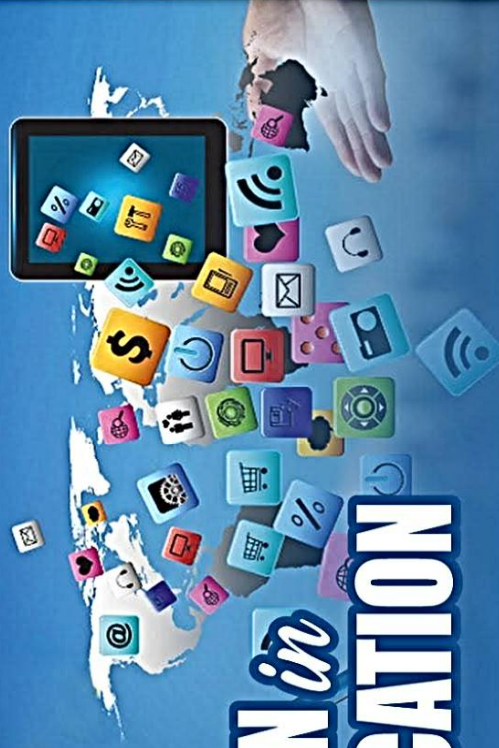
	CW-18	03-May-22	10:00 AM	11:30 AM	Holiday	Holiday	
7	CW-18	04-May-22	10:00 AM	11:30 AM	GPU architectures	Maalathy	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
8	CW-18	05-May-22	10:00 AM	11:30 AM	Unity,2D/3D rendering, OpenGL etc	Prabhakaran R	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
9	CW-19	10-May-22	10:00 AM	11:30 AM	Virtual Reality , Augmented Reality and Mixed Reality	Prabhakaran R	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
10	CW-19	11-May-22	2:00 PM	3:30 PM	Instrument Cluster	Sooryanath	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
11	CW-19	12-May-22	10:00 AM	11:30 AM	Qt	Rakshith Ramesh	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
12	CW-20	17-May-22	10:00 AM	11:30 AM	ECU Components	Rekha Shrikant Gangasiri	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p

13	CW-20	18-May-22	10:00 AM	11:30 AM	Introduction to UX design - stages, theory, Design thinking, UX Study	Thottingal Shyam Krishnan (EUX)	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
14	CW-20	19-May-22	10:00 AM	11:30 AM	Android, iOS, Hybrid - UI	Amit Goyal	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
15	CW-21	24-May-22	10:00 AM	11:30 AM	VUI	Shreehari Shastri(ECA)	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
16	CW-21	25-May-22	10:00 AM	11:30 AM	Automotive Safety	Nithiyandham Thirumeni	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
17	CW-21	26-May-22	10:00 AM	11:30 AM	SPI - android auto, car play..	Sulthan	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
18	CW-22	31-May-22	10:00 AM	11:30 AM	PWA, HTML CSS Javascript (Front End Frameworks)	Anees Ahamadil Kabir	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
19	CW-22	01-Jun-22	10:00 AM	11:30 AM	Check with V&V team (Open CV) - Sreeni's team Selenium	Nivedha Mani, Sushaptha	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p

20	CW-22	02-Jun-22	10:00 AM	11:30 AM	Shader Programming	Murali, Athmika	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
21	CW-23	07-Jun-22	10:00 AM	11:30 AM	UI Analytics (Usage patterns, ..), Debugging, Performance Profiling	Shankari M	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p
22	CW-23	08-Jun-22	10:00 AM	11:30 AM	Gesture, Vision, sensor based UI controls, Haptics	Pandi	Basawaraj, Gireesha,Prabha Nissimagoudar,Nalini Iyer,Anil Kabbur,Preethi Pillai, Rohini Hongal, Supriya K, Bhagyashree, Sahana p

Faculty Conclave 2022

DIGITAL REVOLUTION *in* ENGINEERING EDUCATION



Overview

The disruptions caused by COVID19 pandemic have challenged universities across the world in an unprecedented way. On short notice, universities had to switch from on-site classroom teaching to online teaching. KLE Technological University leveraged these challenges into an opportunity and transitioned to an institute wide blended model. This year's edition of the Faculty Conclave will focus on the use of technology in engineering education and invites faculty from across the university to share their experiences with blended mode of learning. The Faculty Conclave 2022 will aim to highlight research and best practices with use of technology in engineering education.

Call For Submissions

Research paper :

Presenting original research following the standard practices for engineering education research. Extended Abstract length: max. 2 pages

Concept paper :

Presenting ongoing projects and completed studies of practice in engineering education. Extended Abstract length: max. 2 pages

Workshop :

Facilitate an engaging and interactive session to share evidence-based best practices in engineering education. Extended Abstract length: max. 2 pages

Tracks

1. Blended and Online learning
2. Active and Collaborative learning through technology
3. PBL and technology
4. Virtual laboratories
5. Summative and formative assessments using technology
6. Use of learning analytics for assessment
7. Transitioning from in-person to blended learning
8. Technology based learning resources
9. Faculty training for technology enhanced learning
10. Student mentoring through technology

WORKSHOPS | KEYNOTES

PANEL DISCUSSION | PAPER / POSTER PRESENTATION

Conclave Events

Important Dates

Abstract
submission
Sep. 15, 2021

Abstract review
comments
Oct. 15, 2021

Submission of
full paper
comments
Nov. 15, 2021

Full paper review
comments
Dec. 15, 2021

Camera Ready
Paper Submission
Dec. 25, 2021

Faculty
conclave event
Jan 3 & 4, 2022



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& Scientific Articles**

RESOURCE PERSONS



Prof. Ashok K. Shukla
Emeritus Professor,
IISC, Bengaluru



Prof. T. Ramasami
Former Secretary,
DST, Govt. of India



Prof. Tejraj M. Aminabhavi
Editor
Chemical Engineering Journal

Date: **21-03-2022**
Time: **10.00 am to 5.00 pm** | Venue: **BT Auditorium**

Dr. Nagaraj Shetti
Co-ordinator

Prof. Tejraj Aminabhavi
Director Of Research

Prof. Uma Mudenagudi
Dean, R&D

Know About Speakers...



Prof. T. Ramasami

Dr. T. Ramasami served Government of India as the Secretary, Department of Science and Technology during May 2006- 2014, He is currently distinguished professor of eminence at the Anna University, Chennai. During his tenure as Secretary, public investments into Research and Development scaled many fold. Some of the programmes initiated by DST like INSPIRE, PURSE, CURIE and many others have proved as game changers in the Indian science landscape. He was instrumental in the formulation of Science, Technology and Innovation Policy 2013 by the Government of India. He has contributed to more than 237 scientific publication and 8 chapters in books, 41 patents and development of 12 process know-hows. About 12 patents and all process know-hows have been commercialized. He is winner of more than 65 awards which include Shanti Swarup Bhatnagar Prize for chemical sciences in 1993 and civilian honours, Padma Sri in 2001 and Padma Bhushan in 2014. He also received the IUCLTS Merit Award for the year 2021 for his contributions to leather science in the world.

Ashok Shukla is presently an Emeritus Professor at Indian Institute of Science, Bangalore. Through his, creative, interdisciplinary and cutting-edge research, Ashok Shukla has made extensive fundamental and applied contributions to the fields of storage batteries, redox-flow batteries, fuel cells and supercapacitors. He has authored over 325 scientific papers (More than 20,000 citations, h-index: 74) and has about two dozen technical patents to his credit. Professor Shukla has guided 24 Ph.D. students and has more than 30 years of teaching experience as Professor in India's premier R&D and academic institution, Indian Institute Science, Bangalore. He headed the CSIR-Central Electrochemical Research Institute, India, during 2003-2009, which is one of the largest R&D establishments in electrochemistry. He has been Associate Editors of the Journal of The Electrochemical Society and member of Editorial Advisory Boards of several international journals, such as Electrochimica Acta, Journal of Applied Electrochemistry, Ionics and Materials Science and Engineering, which provide testimony to his international academic standing.



Prof. Ashok K. Shukla



Prof. Tejrav M. Aminabhavi

Professor Tejrav M. Aminabhavi, presently the Director of Research at School of Advanced Sciences, KLE Technological University, Hubballi, and Diamond Jubilee Professor at Karnatak University, Dharwad has been identified as the world's most influential researcher by the Clarivate. He is among the top 1% highly cited researchers during 2021. Aminabhavi holds the honorary visiting professorship at Macquarie University, Sydney, Australia. Aminabhavi has published over 850 scientific papers in highly reputed journals with citations of 45000 and an H Index of 103. He has presented over 100 invited plenary talks at the national and international platforms including Hong Kong, Korea, UK and US and other countries. Currently, Aminabhavi is the co-editor of Chemical Engineering Journal, in addition to founder editor-in-chief of Materials Science for Energy Technologies and Sensors International (both from KeAi Publishers, a joint venture with Elsevier). He is serving as advisory board member on several international journals. Aminabhavi has been the visiting professor to several universities in the US, Europe, China, Korea and UK. He received two international awards, one from Japan in 2013, the Nikkei Asia Award and another Kwarizmi International Award from Iran in 2009.

PHOTOs of the Workshop





PARTICIPANTS LIST

Dr. M.S. Sheshgiri College of Engineering & Technology, Belagavi 30

1	Dr. Sanjay Hanji	Professor	MBA
2	Basavanappa S. Durgi	Associate Professor	Engineering Science and Humanities
3	Dr. Sateesh N Hosamane	Associate professor	Chemical
4	Gujanatti Rudrappa	Assistant Professor	Electronics and Communication
5	Dr. R H Havaladar	Professor	BM
6	Virendra Malemath	Professor	CSE
7	Dr Manisha Tapale	Associate Professor	Computer Science and Engineering
8	Niranjan Pattar	Assistant professor	Mechanical engineering
9	Veerendrakumar C Khed	Associate Professor	Civil Engineering
10	Savita S. Hanji	Assistant professor	Computer Science and Engineering
11	Abhinay Gupta	Assistant Professor	Electrical and electronics
12	Girish Narayanrao Desai	Assistant Professor	Chemical Engineering
13	Dr. Savita Hanaji	Assistant professor	Mathematics
14	Sandeep Kudal	Assistant Professor	Electrical and Electronics Engineering
15	Dr. Dattaprasad A. Torse	Professor	Computer Science and Engineering
16	Abhijeet Baikerikar	Assistant Professor	Civil Engineering
17	Vaibhav Badgi	Assistant Professor	MBA
18	Vijay Rayar	Assistant Professor	Electronics and Communication
19	Kunjan D Shinde	Assistant Professor	Electronics and Communication
20	Aishwarya Choukimath	Assistant Professor	Civil engineering
21	Shweta Madiwalar	Asst.Prof	EC
22	Dr. Sneha S.Bandekar	Asso Professor	Chemical Engineering
23	Shishir Patil	Assistant Professir	EEE
24	KEERTHANA G NAIK	Assistant professor	Civil engineering
25	RAKHEE KALLIMANI	Asst Professor	Electrical and Electronics Engineering
26	Prabhakar S Manage	Assistant Professor	Electronics and Communication
27	Sachidananda T G	Assistant Professor	Mechanical Engineering
28	Niveditha	Assistant Professor	Civil Engineering
29	Nayana P. Hoolikantimath	Assistant Professor	Civil Engineering
30	Ravishankar N Chikkangoudar	Assistant Professor	Mechanical

P C JABIN SCIENCE COLLEGE: 19

1	Tejaswini D Apte	Lecturer	BCA
2	Leena V. Hublikar	Assistant professor	Chemistry
3	Shiddalingappa Kadakol	Assistant Professor	BCA

4	Sharada S Mulkipatil	Lecturer	BCA
5	M. S. Sethsanadi	Assistant professor	Electronics
6	Deeksha B Kenchanagoudar	Assistant professor	Bachelor of Computer Applications
7	Prof.Sushma Naikar	Assistant Professor	Bachelor Of Computer Application
8	Sharan R Gudneshwarmath	Student	Botany
9	Gagan Deep G	Student	Biotechnology
10	Dheerendra Vadiraj	Asst Prof	Botany
11	Rudrayya mudenurmth	Asst Prof	Electronics
12	Akhila D Khoday	Lecturer	BCA
13	Shridevi Kuri	Lecturer	BCA
14	Vishwanath Patil	Asst Professor	BCA
15	Sidrameshwar V Ullagaddi	Librarian	KLE BCA
16	Manjunath Patil	Lecturer	BCA
17	Chandru Jathar	Assistant Professor	BCA
18	Meghana Sandigawad	Assistant professor	BCA
19	Deepti Deshpande	Assistant professor	BCA Department

KLE Institute of Technology: 11

1	Shridhar Mathad	Assistant Professor	Engineering Physics
2	Manu TM	Professor	ECE
3	Veeresh B Karikatti	Assistant Professor	Civil Engineering
4	Neelamma Gummagol	Research scholar	Physics
5	Davalasab Ilager	Research Scholar	Chemistry
6	Mahesh M. Shanbhag	Research Scholar	Chemistry
7	Dr. Anita R Nandurkar	Assistant Professor	Physics
8	Mahantesh Sajjan	Asst Prof	ISE
9	Pradeep Surasura	Asst. Professor	Computer Science and Engineering
10	Dr. Shikandar D B	Assistant Prof.	Chemistry
11	AKSHAYKUMAR PATIL	Assistant Professor	Mathematics

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1	Khalida Muntasher	Assistant Professor	Civil Engineering
2	Deepa Mane	Associate Professor	Architecture
3	Shivalingsarj Desai	Associate Professor	Biotechnology



4	Chaitanya Akkannavar	Assistant professor	Civil Engineering
5	Mantesh C Choukimath	Assistant Professor	School of Mechanical Engineering
6	Praveen Irappa Chandaragi	Assistant professor	Mathematics
7	Prakash Hegade	Assistant Professor	CSE
8	PADMAJA KALLIMANI	Assistant Professor	Electrical & Electronics Engineering
9	Chaitra Desai	Junior Research Fellow	School of CSE
10	Anupama R Itagi	Assistant Professor	Electrical and Electronics Engineering
11	Sujata Kulkarni	Assistant Professor	MCA
12	Vinay S Tigadi	Assistant Professor	School of Mechanical Engineering
13	Veena H Choudapur	Assistant professor	Physics
14	Saroja V Siddamal	Professor	Electronics and Communication
15	Sagar Patil	Associate Professor	School of Management Studies and Research
16	Rohini	Assistant professor	ECE
17	Satish Chikkamath	Asst. Professor	School of Electronics and Communication
18	Radhika Amashi	Asst. Professor	CEER
19	Shrinivas D Desai	Professor	Computer Science & Engineering
20	Shrishail Pattanashetti	Assistant Professor	School of Electronics and Communication En
21	Jayalaxmi G Naragund	Assoc. Professor	School of Computer Science and Engineering
22	Roopa AK	Asst. Professor	Civil engineering
23	Ashwin R Kubasadgoudar	Asst Prof	School of Mechanical Engineering
24	Adarsh Patil	Assistant Professor	School of Mechanical Engineering
25	Radhika S Nadiger	Assistant Professor	Electrical and Electronics
26	Dr. Basavaraj Hungund	Professor and Head	Biotechnology
27	Uday Kulkarni	Asst Professor	SoCES
28	Channavva Soori	Assistant Professor	Automation & Robotics
29	Priyadarshini Patil	Assistant Professor	School of Computer Science & Engineering
30	Vishwanath G Garagad	Assistant Professor	School of Computer Science and Engineering
31	Prakash B Kalahal	Research Scholar	Dept of Chemistry
32	Praveen Dhulavvagol	Asst.prof	CSE
33	Dr. Shweta J Malode	Assistant Professor	School of Advanced Sciences
34	Gurunath Kampli	Assistant professor	Civil
35	Dr.Narayan swamy	Assistant professor	Mathematics
36	vijaya eligar	M.tech	School of Electronics
37	Laxmikant R Patil	Associate Professor	Biotechnology
38	Suvarna Kanakaraddi	Professor	SoCSE
39	Dr. Zabin Bagewadi	Associate Professor	Biotechnology
40	Dr. Sumedha S. Shinde	Assistant Professor	Mathematics
41	Manjunath Megalamani	Research Scholar	Chemistry
42	Vishal Pattanashetty	Assistant Professor	ECE
43	Narayan D G	Professor	CSE
44	Anil S Badiger	Professor	School of Mechanical Engineering



45	Umadevi FM	Assistant professor	CSE
46	A B Raju	Professor and Head	Electrical and Electronics Engg
47	Akash Kulkarni	Assistant Professor	SoECE
48	Kaushik	Assistant professor	Ece
49	Arun Y Patil	Associate Professor	School of Mechanical Engineering
50	Shankar Gangisetty	Professor	CSE
51	V.S.Hombalumath	Associate Professor	BIOTECHNOLOGY
52	Nimbagal Vijayakumar	Assisttan Professor	School of mechanical engineering
53	Y M Umathar	Associate professor	Mathematics
54	Vidya Handur	Assoc.Prof	SoCSE
55	Sridhar M	Assistant Professor	School of Mechanical Engineering
56	Leah S. Joshi	Assistant Professor	Electrical and Electronics Engineering
57	Shilpa kamath	ASST PROFESSOR	Electrical and Electronics Engineering
58	Gururaj Tennalli	Assistant Professor	Biotechnology
59	Praveenkumar S M	Assitant professor	MCA
60	Manjunathgouda M Patil	Assistant Professor	Civil
61	ALTAH HUSAIN A. MAKANDAR	ASSISTANT PROFESSOR	SCHOOL OF ELECTRICAL AND ELECTRONICS E
62	Ashok Chikaraddi	Asst Prof.	MCA
63	Satyadhyan Chickerur	Professor	Computer Science
64	Sanjay Eligar	Associate Professor	SoECE
65	Suvarna Nimbagal	Assistant Professor	School of Management Studies
66	Minal Salunke	Assistant Professor	Electrical and Electronics
67	Manisha Divate	Former Research assistant	Biotechnology
68	Devi Arun Gole	Research Scholar	Physics
69	Ujwala Patil	Professor	School of ECE
70	Anoopkumar Patil	Assistant Professor	Electrical
71	Heera	Assistant Professor	Electronics and Communication
72	Bipin Chikkatti	Research scholar	Chemistry
73	Vijay H M	Assistant Professor	ECE
74	Madhusudan	Assistant Professor	ECE
75	Sandhya Jalgar	FULL TIME Research Scholar	School of Civil Engineering
76	Karibasappa K G	Professor	School of Computer Science and Engineering
77	Shreeshail ML	Assistant Professor	School of Mechanical Engineering
78	Kavita Chachadi	Assistant Professor	Electrical and Electronics
79	Preeti S. Pillai	Assistant Professor	School of Electronics and Communication En
80	Suneeta V. Budihal	Professor	ECE
81	Nagalakshmi Kulkarni	Teaching Assistant	School of Civil Engineering
82	Nagaraj	Asst. Prof.	SMSR
83	Raghavendra M.Shet	Assistant Professor	SoECE
84	Sujatha C	Professor	Computer science and engineering
85	Jayashree K	Assistant Professor	Electrical and Electronics Engineering



86	Deepa Mulimani	Assistant Professor	Master of Computer Applications
87	Deepak Yaraguppi	Assistant Professor	Biotechnology
88	Shashikumar Totad	Professor	School of CSE
89	Gitanjali Rao	Professor	Architecture
90	Shweta Koraddi	Assistant Professor	EEE
91	Dr. S. DHANALAKSHMI	Assistant Professor	Chemistry Department
92	Dr.Dakshayani.A.Patil	Asst.Prof	Mathematics
93	Tanuja R.Patil	Asso.Professor	SOECE
94	Indira Bidari	Assistant Professor	SoCSE
95	Dr. Shaila V. Chougala	Assistant Professor	Mathematics
96	Jyoti Gadad	Assistant professor	CEER
97	Suhas B Shirol	Assistant Professor	School of ECE
98	Madhu Asundi	Assistant professor	CEER
99	Nikita Patil	Assistant Professor	School of Electronics & Communication
100	Anil R Shet	Assistant professor	Biotechnology
101	Sharanappa Achappa	Assistant Professor	Biotechnology
102	P.G Sunitha Hiremath	Professor	CSE
103	Namratha P Hegde	PhD scholar	Biotechnology
104	P.P.Revankar	Professor	Mechanical Engineering
105	Gangadhar B Bagihalli	Assistant Professor	Chemistry
106	Dr. Uday M Muddapur	Professor	Biotechnology
107	Abhishek B kamadollishettar	Assistant Professor	Civil Engineering
108	Anand S. Reddy	Professor	Mechanical Engineering
109	Rajashekharaiiah K M M	Associate Professor	Computer science
110	Prema Kamat	Research scholar	Mathematics
111	Kalpeshkumar Patel	Associate professor	Architecture
112	Sharan S Goudar	Associate Professor	School Of Architecture
113	Sangeeta	Assistant Professor	Physics
114	Sahana Punagin	Assistant Professor	SoECE
115	MANAS KUMAR PANDA	ASSISTANT PROFESSOR	SoCSE
116	RAJASHEKHAR S HOSMATH	Assistant Professor	School of Mechanical Engineering
117	Praveenkumar Petkar	Assistant professor	School of Mechanical Engineering
118	Gireesha R Chalageri	Assistant Professor	School of Mechanical Engineering
119	Dr.Rajashekhar S. Laddimath	Associate Professor	Civil Engineering
120	ANAND	ASSISTANT PROFESSOR	SCHOOL OF MECHANICAL ENGINEERING
121	Dr. G U Raju	Professor	Mechanical Engineering
122	Prashant N Patil	Assistant Professor	Department of Physics, School of Advanced S
123	Satish G J	Assistant Professor	School of Mechanical Engineering
124	Ganesh Mahendra	Research Assistant	School of Advanced Sciences
125	Sandeep Kurundawade	Assistant Professor	Chemistry
126	Gangadhar V Muddapur	Assistant Professor	Physics



127	Pradeep Hiremath	Research scholar	Mathematics
128	Shraddha Hiremath	Assistant professor	Electronics and communication
129	Nagaraj ekabote	Assistant professor	Mechanical
130	Somashekar Patil	Assistant Professor	CSE
131	Sachin Khot	Research Scholar	SoME
132	Prashant V Achari	Assistant Professor	ECE
133	Pooja Shettar	Assistant Professor	Computer Science
134	Manjula K Pawar	Assistant professor	Computer science and engineering
135	Amit V Kachavimath	Assistant Professor	MCA
136	Mr. HANUMANTHAGOUDA R PATIL	Assistant Professor	Electrical and Electronics Engg
137	Vinayak N Kulkarni	Asst. Professor	School of Mechanical Engineering
138	Shreya Shivkumar Shettar	Research Scholar	Biotechnology
139	Archana Girish Revankar	Research Scholar	Department of Biotechnology
140	Manu Naik	Research scholar	Chemistry
141	Shashikala	Asst.Prof	MCA
142	Yuvarajgouda	Research scholar	Chemistry
143	Unnati Koppikar	Assistant Professor	CEER
144	Dipanwita	Associate professor	Architecture
145	Aishwarya Kamatagi	Assistant professor	EEE
146	Prashant Narayankar	Assistant Professor	SOCSE
147	Yogesh Shanbhag	Research scholar	Chemistry
148	vijaykumar H Bhajantri	Research scholar - student	Computer science & Engineering
149	Shivalingappa Battur	ASST proff	SoCSE
150	Roopa S Algur	Asst Proff	Mathematics
151	Guruprasad.Konnurmth	Assistant Professor	SoCSE
152	Balachandra S Halemani	Assistant Professor	School of Mechanical Engineering
153	Rakesh P. Tapaskar	Asst. Professor	Automation and Robotics
154	Sunil V Gurlahosur	Asst. Professor	SoCSE
155	Rekha	PhD scholar	Biotechnology
156	ROSHANKUMAR ARYA	ASSISTANT PROFESSOR	MATHEMATICS
157	Prema Malali	Asst.Prof.	Civil



**Report
on
One Day Hands-on Training programme on
MENDELEY Reference Tool Manager
27th May 2022**

One day Hands-on Training Programme on MENDELEY a Reference Tool Manager was organized by the Central Library, K L E Technological University in support of R & D Cell for Nominated Faculty Members from School/Departments and Constituent Colleges of KLE Technological University on 27th May 2022 at MCA department. The Training Programme received an overwhelming response with 45 Participants from all the Schools/Departments.

Sl.No	Name of the Institutions	No.of Participants
1	KLE TECHNOLOGICAL UNIVERSITY	38
2	KLE Dr. M S Sheshagiri College of Engineering and Technology Belagavi	3
3	KLE College of Engineering and Technology, Chikodi	2
4	KLE Institute of Technology, Hubballi	2

The Inaugural Ceremony begins at 10:00 am; the Chief Librarian Dr Shivaputrappa Kattimani welcomes the dignitaries and is briefed about the objective of the said training programme.

Chief Guest and the Resource Person Dr Shivaram B S and other dignitaries have inaugurated the programme by Watering the Plant.

Dr Raju Raikar, Dean R & D KLE MSSCET addressed the importance of the Mendeley in his presidential address, Dr Srinivasa D Desai Member Coordinator R & D Cell and Dr Anil Badiger, Professor School of Mechanical Engg and the LiMCo coordinator are explained the usefulness of the Mendeley in Research Activities.

Mr Suresh Horakeri proposed a vote of thanks, and Dr S V Desai Professor Biotechnology Department Mastering the Ceremony.

During the valedictory ceremony, feedback was collected, and a few participants shared their opinions about the training programme. Certificates were issued to all the participants from the dignitaries. The programme ended with a photo session followed by high tea.

Thanking you

Yours faithfully

30/05/2022

Dr. Shivaputrappa Kattimani
Chief Librarian & Coordinator



Inauguration by watering the plant



Chief Guest Address





KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI

CENTRAL LIBRARY

**One Day
Hands-on Training Programme on MENDELEY:
A Reference Tool Manager**

Programme Schedule

Date 27TH MAY, 2022

Venue: MCA Lab 214

Time	Programme
9:30 am TO 10:00 am	Registration
10:00 am TO 10:30 am	Inuagural Session
10:30 am TO 11:30 am	Session-I
11:30 am TO 11:45 am	Tea Break
11:45 am TO 1:00 pm	Session-II
1:00 pm TO 1:45 pm	Lunch Break
1:45 to 2:45 pm	Session-III
2:45 to 3:45 pm	Session-IV
3:45 pm TO 4:15 pm	Feedback,Interaction,Certificate Distribution followed by High Tea

Workshop Coordinator & Chief Librarian

CENTRAL LIBRARY

CENTRAL LIBRARY

One Day Hands-on Training Programme on MENDELEY: A Reference Tool Manager
DATE: 27TH MAY, 2022 ATTENDANCE SHEET VENUE: MCA Lab 214

Sl. #	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT	INSTITUTIONS	MORNING SESSION	AFTERNOON SESSION
1	DR. RUDRAGOUDA K PATIL	Asst. Prof	chem	KLECET, CHIKODI	<i>[Signature]</i>	<i>[Signature]</i>
2	PROF. BASAVARAJ N CHOUKIMATH	Asst. Prof	EUCCE	KLECET, CHIKODI	<i>[Signature]</i>	<i>[Signature]</i>
3	DR RAJKUMAR V. RAIKAR	Professor	Civil	KLE DR MSSCET BELAGAVI	<i>[Signature]</i>	<i>[Signature]</i>
4	DR. UMESH B DESHANNAVAR	Professor	Chemical	KLE DR MSSCET BELAGAVI	<i>[Signature]</i>	<i>[Signature]</i>
5	DR. SATISH V TOTAR			KLE DR MSSCET BELAGAVI	<i>[Signature]</i>	<i>[Signature]</i>
6	MR. PUNEETH N. THOTAD	Asst. Professor	M.C.A.	KLEIT, HUBLI	<i>[Signature]</i>	<i>[Signature]</i>
7	VJEETA PATIL	Asst. Professor	CSE	KLEIT, HUBLI	<i>[Signature]</i>	<i>[Signature]</i>
8	KAVITA CHACHADI	Asst. Professor	EEE	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
9	ANOOPKUMAR PATIL	Asst. Professor	EEE	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
10	JAYASHREE MALLIDU	Asst. Professor	EEE	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
11	SRI KALPESHKUMAR PATEL	Asst. Prof	Architecture	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>

CENTRAL LIBRARY

One Day Hands-on Training Programme on MENDELEY: A Reference Tool Manager
DATE: 27TH MAY, 2022 ATTENDANCE SHEET VENUE: MCA Lab 214

Sl. #	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT	INSTITUTIONS	MORNING SESSION	AFTERNOON SESSION
12	HIMANSHU SUCHITRA S.K	Asst. prof	SOA	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
13	MRS. ROOPA A.K	Asst. Prof	Civil	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
14	DARSHAN G R	Asst. prof	Civil	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
15	PROF. PREETI P <i>Absent</i>			KLE TECH UNIVERSITY		
16	PROF. RAJESHWARI MATTIMANI	Asst. Prof	EELC	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
17	PROF. ANIL M K <i>Absent</i>			KLE TECH UNIVERSITY		
18	PROF. NAVEEN. KN	Assistant Professor	ECF	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
19	SRI. PRAVEEN IRAPPA CHANDARAGI	Assistant Professor	Maths	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
20	PROF. SRIDHAR M	Assistant Professor	Mechanical	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
21	PROF. DR. PRASHANT P REVANKAR	Professor	Mech. Engg	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>
22	PROF. SANTOSH BILLUR	ASSISTANT PROFESSOR	Mech. Engg.	KLE TECH UNIVERSITY	<i>[Signature]</i>	<i>[Signature]</i>

CENTRAL LIBRARY

One Day Hands-on Training Programme on MENDELEY: A Reference Tool Manager
DATE: 27TH MAY, 2022 ATTENDANCE SHEET VENUE: MCA Lab 214

Sl. #	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT	INSTITUTIONS	MORNING SESSION	AFTERNOON SESSION
23	PROF. MADHUSUDHANA H.K	Assistant Prof	Mechanics	KLE TECH UNIVERSITY	MS	MS
24	DR. S V DESAI	Assistant Professor	Bio Tech	KLE TECH UNIVERSITY	MS	MS
25	DR.GURURAJ B TENNALLI	Asst Prof	IT/Elect	KLE TECH UNIVERSITY	MS	MS
26	MR. SHARANAPPA ACHAPPA	Assistant prof	Biotech	KLE TECH UNIVERSITY	MS	MS
27	DR. N R PATIL	Professor	Physics	KLE TECH UNIVERSITY	MS	MS
28	DR. R M HODLUR	Asst Prof		KLE TECH UNIVERSITY		
29	DR. S. DHANALAKSHMI	Assistant Professor	Chemistry Department	KLE TECH UNIVERSITY	MS	MS
30	DR. SHASHIDHAR S MAHANTSHETTI	Assistant Professor	SMSR	KLE TECH UNIVERSITY	MS	MS
31	DR. MAHANTESH HALAGATTI	Assistant Professor	SMSR	KLE TECH UNIVERSITY	MS	MS
32	MRS. NAGARTNA YALIGAR	Assistant Professor	SO CSE	KLE TECH UNIVERSITY	MS	MS
33	MRS.NIRMALA S.PATIL	Assistant Professor	SO CSE	KLE TECH UNIVERSITY	MS	MS

One Day Hands-on Training Programme on MENDELEY: A Reference Tool Manager
DATE: 27TH MAY, 2022 ATTENDANCE SHEET VENUE: MCA Lab 214

Sl. #	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT	INSTITUTIONS	MORNING SESSION	AFTERNOON SESSION
34	MRS. POOJA SHETAR	Assistant Professor	SO CSE	KLE TECH UNIVERSITY	MS	MS
35	PROF. SRINIVASA D DESAI			KLE TECH UNIVERSITY	MS	MS
36	DR ANIL BADIGER			KLE TECH UNIVERSITY	MS	MS
37	SUCHITRA SRUNDGUTI			KLE TECH UNIVERSITY		
38	SRI. SURESH D.HORAKERI	Librarian	Library	KLE TECH UNIVERSITY	MS	MS
39	MRS. SHAMBHAVI G. DODDAMANE	Asst Librarian		KLE TECH UNIVERSITY	MS	MS
40	MRS. VANITHA DAS	Asst Librarian		KLE TECH UNIVERSITY	MS	MS
41	ANAND S METI	Assistant Professor	SO CSE	KLE TECH UNIVERSITY	MS	MS
42	DR.VEENA H CHOUDAPUR	Asst.Prof	Physics	KLE TECH UNIVERSITY	MS	MS
43	DR.GITANJALI RAO		SO C	KLE TECH UNIVERSITY	MS	MS
44	DR. ASHK CHIKARADDI	Asst Prof	SMSR	KLE TECH UNIVERSITY	MS	MS

One Day Hands-on Training Programme on MENDELEY: A Reference Tool Manager
DATE: 27TH MAY, 2022 ATTENDANCE SHEET VENUE: MCA Lab 214

Sl. #	NAME OF THE PARTICIPANTS	DESIGNATION	DEPARTMENT	INSTITUTIONS	MORNING SESSION	AFTERNOON SESSION
45	SUJATA KULKARNI	Assistant Professor	MCA	KLE TECH UNIVERSITY	MS	MS
46	DR SHIVANANDA V SEERI	Asst. prof	MCA	KLE TECH UNIVERSITY	MS	MS
47	MR. PRADEEP N HIREMATH	Research scholar	Mathematics	KLE TECH UNIVERSITY	MS	MS
48	SMT. PARVATIDEVI L. SHASHIMATH	Instructor	MCA Dept	KLE TECH UNIVERSITY	Parvati. L.S.	Parvati. L.S.
49	SHRI SURESH N KANAKERI	Instructor	MCA Dept	KLE TECH UNIVERSITY	MS	MS
50						

Total
Presented Participants
45



Central Library

<https://library.kletech.ac.in/>

**One-Day
Hands-on Training Program
on
"Mendeley – A Reference Tool Manager"**



About Mendeley Reference tool and the training program:



27th May 2022

9:30 am

@MCA Lab 214

Research has become an integral part of academics. The academicians continuously carry out research in their domains and communicate findings through various SCI sources. We are witnessing voluminous SCI literature published on various publishers' platforms in digital format. Due to the advent of ICT and e-Publishing, access to SCI literature has become easy and instant. Today, Researchers have access to various discovery platforms, publisher databases, aggregators, search engines, etc., as an avenue for literature search. Now, the real challenge for researchers or academicians is not accessing SCI literature but managing the accessed literature more efficiently on their personal devices. A robust reference management tool will be a better solution for the researcher to address this particular problem. This hands-on workshop aims to introduce all participants to 'Mendeley,' a robust reference management tool that can be adopted easily.

Mendeley is a reference manager and academic, social network that can help you organize your research, collaborate with others online, and discover the latest research. Its Desktop version is available free and can be installed and configured on any operating system. The word processor plug-in (MS word Plug-in) helps in easy referencing in several styles.



About Central Library

Central Library came into existence in 1947 and shifted to New Library Block (C-Lib) in 2005 with a carpet area of 3000 Sq. Mtrs have state-of-the-art infrastructure facilities with 600 seating capacity. The Central Library has a collection of 56065 Volumes of Books with 19513 Titles. The Central Library is also subscribed to 182905 ebooks from EBSCO Academic Collection with EBSCO Business Elite sources.

The Library subscribes to 24637 full-text E-journals from IEEE, ASME, ASCE, EBSCO Management, EBSCO Art and Architecture, Automotive Abstract. In addition, there are 899 CDs & DVDs. Digitization of organized collection of e-resources or publications of Faculty publications, Project Reports, Some of the rare collections of books, Question Papers, Seminar papers, and the Theses are being uploaded to the Digital Library server using DSPACE is accessible within the Campus. Digitization process using CZURTEK ET 16 PLUS BOOK SCANNER being carried out. The Library has facilitated remote access of e-resources through the services of the KNIBBUS Digital Library Platform with Remote Access Solution. The Central Library provides a Technology Platform and Database of Plagiarism Checking Tool "Turnitin Web Tool", GATE Tutor and "Grammarly Check" in support of R & D activities for students and professionals, also developed IRIS (Indian Research Information Network Systems) services of KLE Technological University. The Central Library has Institutional Membership of DELNET, E-SHODHSINDU consortium, e-SHODHGANGA, CURRENT SCIENCE, NDLI National Digital Library of India, SWAYAM, and NPTEL.

Resource Person



Dr. Shivaram BS, PhD

Dr. Shivaram BS, presently serving as Joint Head, Information Center for Aerospace Science & Technology, CSIR-NAL. He is also leading the digital archiving group and has led several digital archiving initiatives at CSIR-NAL, to name a few NAL open access institutional repositories to archive publications of NAL, PRAKAS to archive classified technical literature with access control, System Engineering archive at NAL. He served as a resource person for various National and International workshops on Digital Repositories, Content Management systems, Digital Libraries, Reference Management tools, etc. He has successfully completed 100 Hrs of MOOCs courses on Intellectual Property rights (IPR) from the World Intellectual Property Organization (WIPO).

Contact Details:

Dr. Shivaputrappa Kattimani
Workshop coordinator & Chief Librarian
0836-2378303
0886821032
librarian@kletech.ac.in

**AICTE Sponsored
5 Days ATAL FDP
on**

**“FPGA Based Deep Learning Applications in
Signal Processing”**

Name of the Participant:

.....

Designation:

Department:

College Name:

.....

Address:

.....

Contact Number:

Email id:

Registration Link

<https://www.aicte-india.org/atal>

Workshop ID: 1396

Chief Patron:

Dr. Ashok Shettar

Vice Chancellor, KLE Technological University, Hubli

Dr. P. G. Tewari,

Principal, BVBCET, Hubli

Convener:

Dr. Nalini C Iyer

Head , SoECE , KLE Technological University, Hubli.

Landline: 0836-2378250.

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Co-ordinator:

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K. L. E Society's



KLE Technological University,

Vidyanagar, Hubli - 580 031.

www.kletech.ac.in



AICTE Sponsored

5 Days ATAL FDP

On

**“FPGA Based Deep Learning Applications in
Signal Processing”**

5th to 9th July 2021

Organized by

School of

Electronics & Communication Engineering

Coordinator

Dr. Rajashekar B Shettar

Professor, SoECE

KLE Technological University, Hubli.

5 Days FDP

On

FPGA Based Deep Learning Applications in Image Processing

Due to their architecture to process data with high parallelism, FPGA's are predestined for image processing as well as for the implementation and execution of neural networks. In the case of deep learning as one part of artificial intelligence, a computer model automatically learns the characteristics for differentiating between objects and then directly executes classification tasks on images, videos, audio or texts. FPGAs excel with guaranteed robust image acquisition and in comparison to CPUs and GPUs, high processing power, frame rate and bandwidth that allow CNNs on FPGAs to classify with high data throughput, fulfilling the demands of inline inspection in particular.

Overview of the Workshop:

So, objective of FDP is to introduce advanced FPGA architecture (Virtex 4) to start with RTL design and FSM modelling with real time examples. It also gives insight of image filter design, case study based deep learning implementation, system generator design flow, configuration and real time implementation on FPGA. FDP is intended to help participants to map concepts to real time modelling to develop FPGA based applications in image processing.

About the University

Established in 1947, KLE Technological University (BVBCET) has achieved an enviable status due to a strong emphasis on academic and technical excellence. From a modest beginning when the college offered only an Undergraduate program in civil engineering, the college has indeed come a long way. KLE Technological University offers eight UG and nine PG programs and is accredited by NBA. The college has adopted Outcome Based Education (OBE) framework to align the curriculum to the needs of the industry and the society.



Innovative pedagogical practices in the teaching learning process from the academic eco system of the institution. The active involvement of the faculty in research has led to the recognition of eight research centers by the university. There is always a sense of vibrancy in the campus and it is perennially bursting with energy through a wide range of extracurricular activities designed and run by student forums to support the academics.

About SoECE

Department was established in 1979 & is the pride of Karnataka. The graduates from this department are playing a vital role in the IT revolution and are instrumental in placing Karnataka on the global IT landscape.

The department offers Post Graduate programs in “Digital Electronics” and “VLSI Design and Embedded System”. Active engagement of faculty in research has led to recognition of department as a research center by the University.

E&C students are placed in major industries such as IBM, Motorola, Siemens, Alcatel, Intel, Microsoft, Bosch, KPIT etc.

Sankalp semiconductors Pvt. Ltd. Is housed in our campus which mentors the staff and students in the area of Analog and Mixed signal design.

The department is working with following industries which have given considerable input in the design of the curriculum in Automotive Electronics, VLSI, Communication and Networking; Robert Bosch, KPIT, Sankalp Semiconductor, ARM India Ltd., Juniper Network, CISCO.



REPORT

FPGA Based Deep Learning Applications in Signal Processing

Date: 5th – 9th July 2021, KLE Technological University

KLE Technological University, Hubli

FPGA Based Deep Learning Applications in Signal Processing FDP

FPGA Based Deep Learning Applications in Signal Processing 5-Days AICTE sponsored FDP was conducted from 5th to 9th July 2021 in which around 140 participants from different parts of the country participated.

The speakers for the 5-day workshop on “FPGA Based Deep Learning Applications in Signal Processing” were:

Dr.Mahadev Prasanna , Professor, IIT Dharwad, Dharwad

ATAL FDP on FPGA Based Deep Learning Applications in Signal



Designation: Professor, IIT Dharwad

Dr. Deepak K T, ECE, IIIT Dharwad



Designation : Assistant Professor, IIIT Dharwad

Dr. Satish Bhairannawar, Crofting Technologies, SDMCET, Dharwad



Founder Crofting Technologies, SDMCET, Dharwad

Mr. Sayantam Sarkar, Aparmita Tech Innovators, Bangalore



Technical consultant











ATAL FDP on FPGA Based Deep Learning Applications in Signal Processing

The schedule of the FDP was as below-

FPGA Based Deep Learning Applications in Signal Processing

5th – 9th July 2021

KLE Technological University

Timing	9.00-11.00	11-11:15	11.15-1:15	1:15 -2:00	2:00 - 3:30
Day 1	Keynote & Inauguration (Dr. M. Prasanna, IIT DWR)		Image Processing Applications (Dr Satish S B, Crofting Technologies)		Advanced FPGA Architecture (VIRTEX 4) (Dr Satish S B)
Day 2	RTL Design Concepts using HDL (Dr Satish S B, Crofting Technologies)		FIFO Modelling (Dr Satish S B, Crofting Technologies)		Design of Handshake Circuits - Hands ON (Dr Satish S B)
Day 3	Machine Learning Concepts (Dr. Deepak IIIT Dharwad)		Role of FPGA in Deep Learning (Dr Satish S B, Crofting Technologies)		Examples & Hands On (Dr Satish S B & Mr. Sayantam, Crofting Technologies)
Day 4	SIMULINK based Design (Dr Satish S B & Ms Prajakta, Crofting Technologies)		Xilinx System Generator Black Box creation for FPGA (Ms Prajakta, Crofting Technologies)		ANN Training on FPGA (Mr. Sayantam, Technical consultant)
Day 5	Yoga Session Roja Mahesh Ashtanga Yoga Guru		Case Study based Deep Learning Implementation (Mr. Sayantam , Technical consultant)		Question & Answers

ATAL FDP on FPGA Based Deep Learning Applications in Signal Processing

The inauguration was held on 5th July 2021 online at 9:00 am. Chief Guest of the program was Prof. Mahadev Prasanna, IIT Dharwad, Prof. Ashok Shettar (VC, KLE Technological University, Hubli) and Coordinator chaired the function. Also, Directors of different academies, were also present with the participants.

Dr. Rajashekar B Shettar Co-Ordinator of FDP addressed the participants about online FDP and various initiatives by ATAL Academy.

Coordinator proposed the Vote of Thanks.

Some screenshots of the inaugural function are as below.



ATAL FDP on FPGA Based Deep Learning Applications in Signal Processing

The image shows a Zoom meeting interface. The main content is a presentation slide with the following text:

Welcome
to
AICTE Sponsored 5 Days ATAL FDP
on
“FPGA Based Deep Learning Applications in Signal Processing”
5th to 9th July 2021
Organized by
School of Electronics & Communication Engineering
KLE Technological University, BVB Campus, Vidyanagar
Hubli – 31, Karnataka

The slide also features logos for KLE TECH, AICTE, and ATAL. Below the slide is the Zoom meeting control bar, which includes a search bar, system tray (24°C, 9:06 AM, 7/5/2021), and a row of participant icons with labels: SS, 0, K, 0, 0, DS (Dr. Shashithara K S (Guest)), 0, VM (vijayalaxmi mudnur), and RH (Rohit S. Hongal). There are also small video thumbnails for some participants.

ATAL FDP on FPGA Based Deep Learning Applications in Signal Processing

The list of participants was:-

ATAL FDP on FPGA Based Deep Learning Applications in Signal Processing

Name	Institute Name	Email	Phone
1 Dr. I Sharath Chandra	St.Peter's Engineering College	sharath.inguva@gmail.com	9966607720
2 Mr. MADGULA MAHESH	Mallareddy College of Engineering for Women	madgulamaresh786@gmail.com	8885379664
3 Mr. BALAJI K	GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY	balaji.k@grt.edu.in	8610651466
4 Mr. KAMESH M	GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY	kamesh.m@grt.edu.in	9677226240
5 Mr. MOHAMMED ZAKIR HU:KL University		zakirhussainresearch@gmail.com	8686429678
6 Dr. Suresh Kumar R	Chennai Institute of Technology	arsksuresh@gmail.com	9655754701
7 Miss Kalaiselvi A	Kumaraguru College of Technology	kalaiselvi.a.ece@kct.ac.in	9789721512
8 Mr. Shrikanth Shirakol	SDM College of Engineering and Technology	shrikanthks09@gmail.com	9886059174
9 Miss Kanchan Madhukarrao	Dr.Rajendra Gode Institute of Technology & Research,Amravati.	k.m.pimple1999@gmail.com	8999466992
10 Mr. Prakash Babu Pentamali	Vignana Bharathi Institute of Technology	p.prakashbabu.485@gmail.com	8106719952
11 Miss B.V.R.Gowri	Lendi Institute Of Engineering & Technology	bvr.gowri@lendl.org	9963174243
12 Mr. Praveen Prakash Likhitkar	Dr.Rajendra Gode Institute of Technology and Research,Amravati	praveen_likhitkar@rediffmail.com	9975046219
13 Miss SHRADDHA SUNILRAO	Dr.Rajendra Gode Institute of Technology and Research,Amravati	shraddhakukade11@gmail.com	7840970063
14 Mr. Purushottam Chilveri	Smt Kashibai Navale College of Engineering Pune	pgchilveri@gmail.com	9881739074
15 Mrs. Beril Susan Philip	Malla Reddy Engineering College (A) Hyderabad	berilsusanphilip@mrec.ac.in	8137838342
16 Mrs. Resmy	Sarabhai Institute Of Science & Technology	s_resmy@yahoo.co.in	7012417689
17 Mrs. SWAGATA BHATTACHARYA	GURU NANAK INSTITUTE OF TECHNOLOGY	swagata.bhattacharya@gnit.ac.in	6290651191
18 Mr. Renjith G	College of Engineering Perumon	renjithrouters@gmail.com	9995085696
19 Mr. MOHIT KUMAR JAIN	Vivekananda Global University	mohit.jain@vgu.ac.in	9784914808
20 Mr. Emerson Nithiyaraj E	Mepco Schlenk Engineering College	ej.jeshua@gmail.com	8508431127
21 Dr. Dr SHAIK FAIROOZ	Malla Reddy Engineering College	fairoozsk@mrec.ac.in	8074221804
22 Mr. Rakesh M R	A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY	rakeshmr277@gmail.com	9731582542
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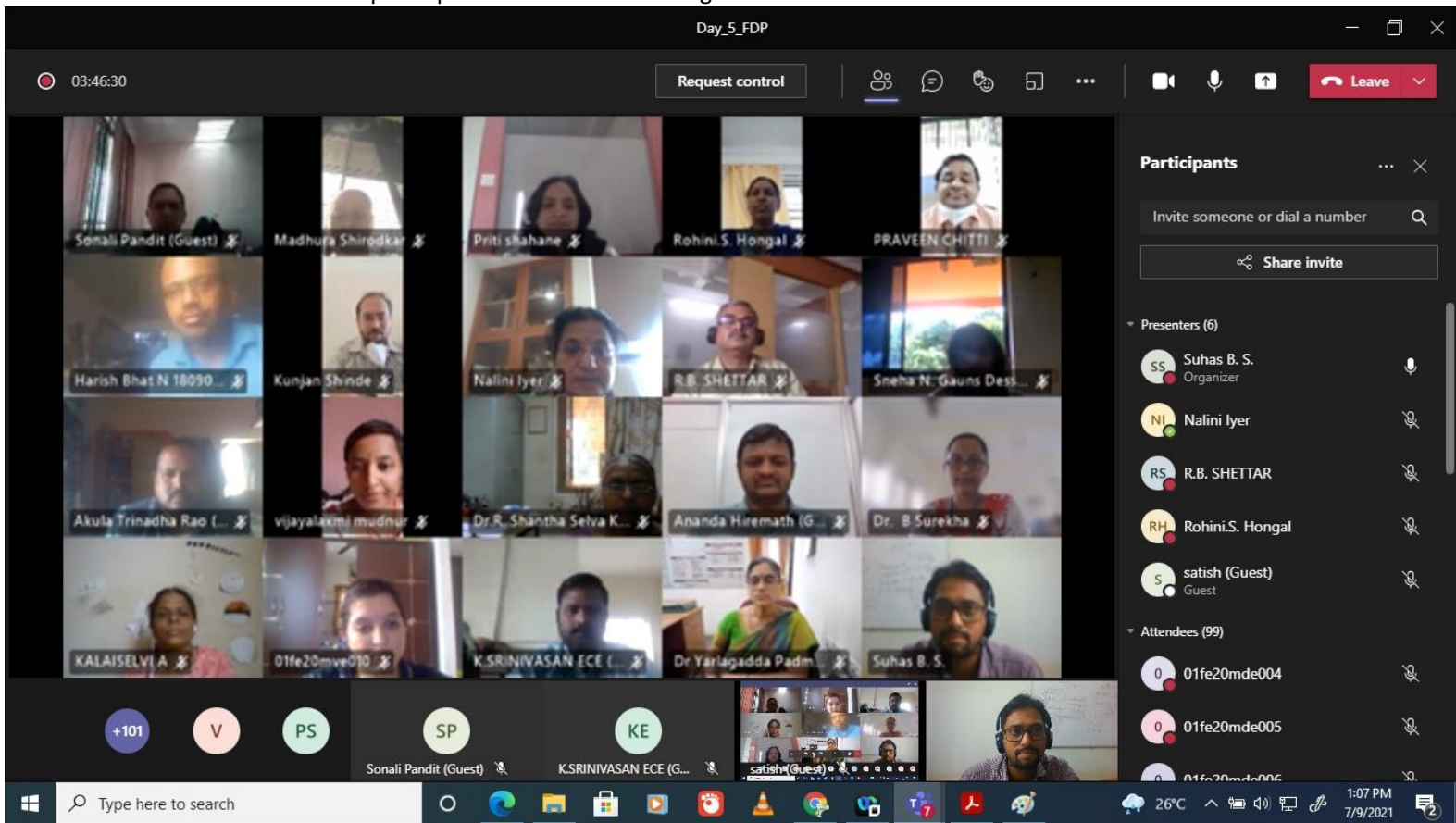
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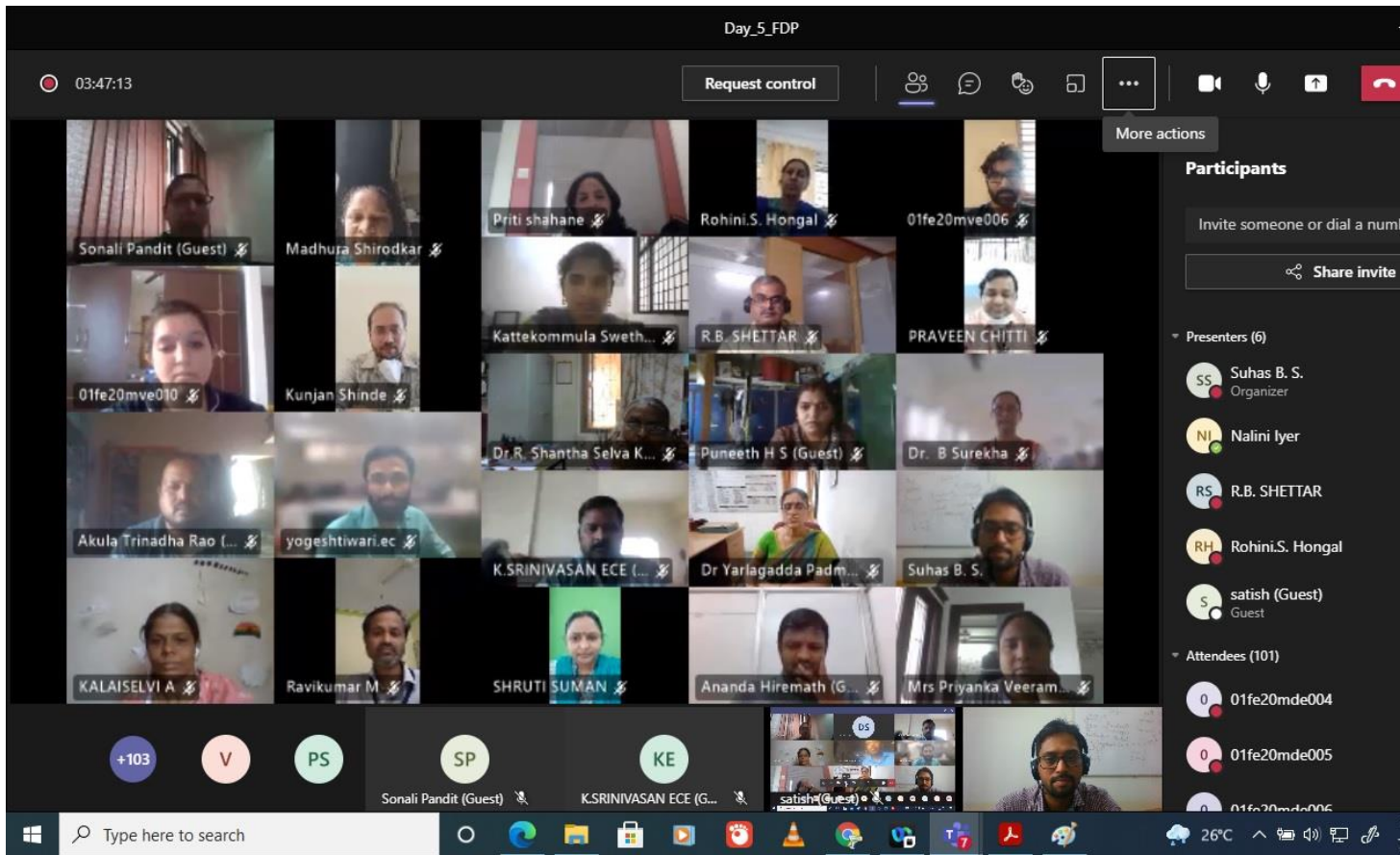
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The screenshots of the participants taken on the closing are:-



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Some of the feedback received for the workshop are as below

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General

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ATAL_FDP_5th-9th_July_2021 Posts 2 more +

Org 190 Guests Meet

NaNs

yogeshtiwari.ec (Guest) 7/9 1:22 PM
This is the best ATAL workshop i have attended so far. Speakers were excellent
Thank you to entire HOST TEAM

Suhas B. S. 7/9 1:24 PM
Thank U Sir...

yogeshtiwari.ec (Guest) 7/9 1:27 PM
Satish sir your session were excellent. The way you explained things was awesome.
Looking forward for your book and reserach paper

kalaiselvi.a.ec (Guest) 7/9 1:27 PM
Excellent Organisation. The best FDP i have attended so far. Congratutions to the team!

Meeting ended: 4h 7m

Attendance report
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Meeting ended: 0s

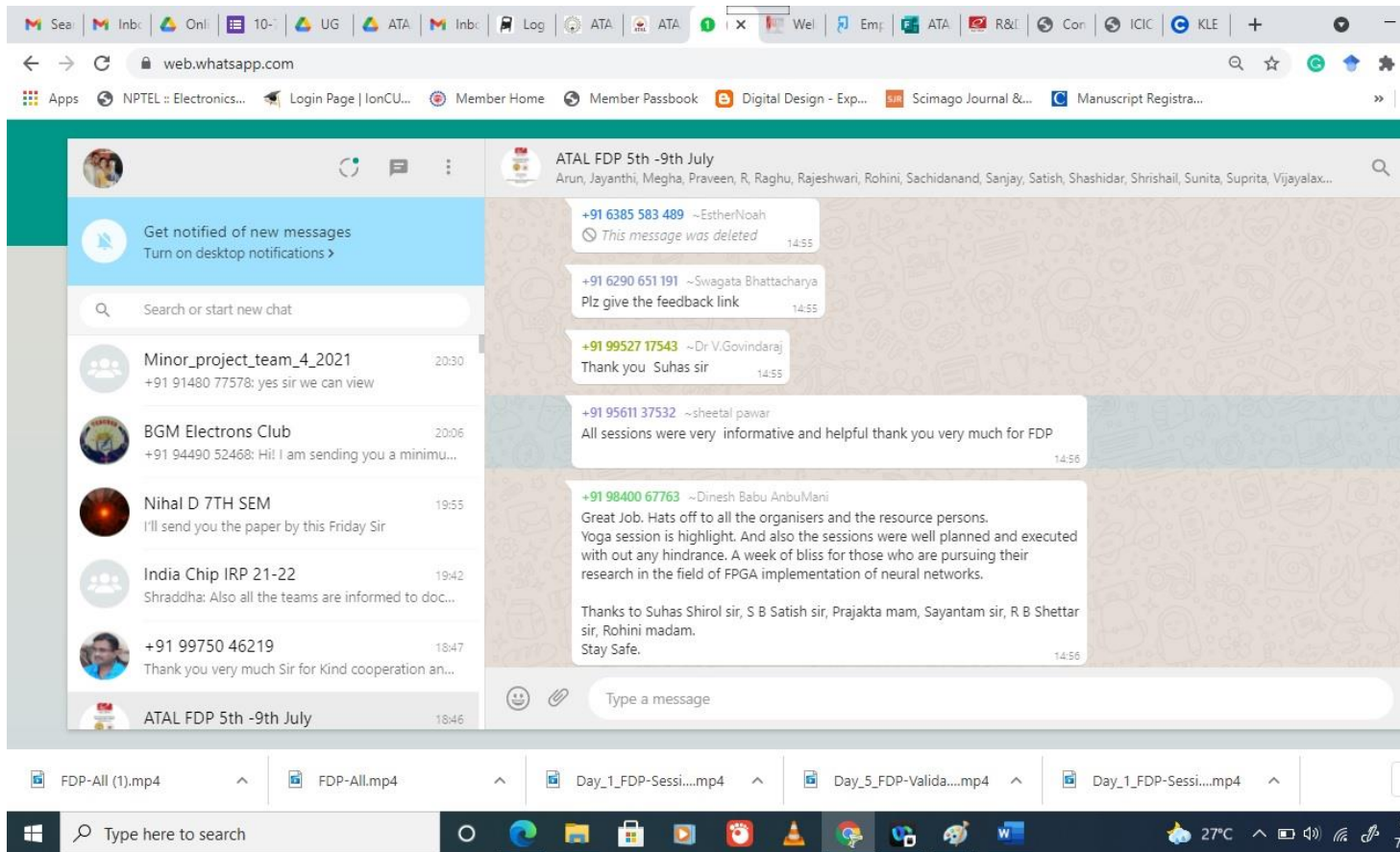
Attendance report

New conversation

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26°C 4:25 PM 7/11/2021

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It was a great Initiative by ATAL Academy. I am thankful to AICTE for giving me this opportunity to conduct online FDP for faculty members of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online FDP, content and hands on.

Day 1: 03-Jan-2022 Schedule for Faculty Conclave

Day 1: 03-Jan-2022	Time: 9:00 am to 9:15 am	Inauguration	Venue: BT Auditorium
Day 1: 03-Jan-2022	Time: 9:15 am to 10:00 am	Keynote by Dr.Yoganand Jeppu, Fellow, Honeywell Technology Solutions	Venue: BT Auditorium
Day 1: 03-Jan-2022		Paper Presentation Session 1	Time: 10:00 am to 11:30 am
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	ME-13	Engaging Lab Experience in Fluid Mechanics – Paradigm shift from Canned Experiments	P.P.Revankar, N.R.Banapurmatha, Mahesh B Gorwar, Ramachandra L, R.S.Hosmath, Ashwin K
2	CS-02	Open Book Exams: Means and Methods for Blended Learning Mode	Prakash Hegade
3	CEER-05	Student Engagement Levels in Blended Learning Environment	Radhika Amashi, Unnati Koppikar, Vijayalakshmi M, Rohit Kandakatla
4	EC-02	A blended learning framework for delivery of Hardware laboratory courses during pandemic	Suneeta Budihal, Prashant Achari, Nikita Patil, Shraddha B H, Shashidhar N, Jyoti Patil, Shraddha R, Bhagyashree K and Nalini C. Iyer
TEA BREAK			
Day 1: 03-Jan-2022		Paper Presentation Session 2	Time: 11:45 am to 1:15 pm
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	ME-17	Adapting Industry based curriculum design for strengthening post graduate programs in Indian scenario	Vinayak N Kulkarni, V.N. Gaitonde, B. B Kotturshettar, Satish G Jangali
2	CS-07	Learnings from COVID-19 to Face any Pandemic Situation in Future	Dr Vishwanath P Baligar
3	CEER-01	Evaluation of First-Year Student's Learning of Engineering Ethics in a Blended PBL Course	Unnati Koppikar, Radhika Amashi, Vijayalakshmi M, Rohit Kandakatla, Preethi Baligar
4	EC-01	Enhancing Embedded System Development Skills by Experiential Learning in ARM and RTOS	Supriya Katwe, Rohini Hongal, P C Nissamagoudar, Shrishail P, Basawaraj Patil, Nalini Iyer
LUNCH			
Day 1: 03-Jan-2022		Parallel Workshops	Time: 2:00 pm to 5:00 pm
Workshop 1	Title: "MATLAB Grader" an automatic assessment tool		Venue: Mechatronics Lab (Mechanical Lab 1 st Floor)
Workshop 2	Title: Computational Thinking		Venue: BT Seminar Hall
Workshop 3	Title: Tools for E-Content Creation		Venue: CSE Lab 1 (CLite)

Day 2: 04-Jan-2022 Schedule for Faculty Conclave

Day 2: 04-Jan-2022	Paper Presentation Session 3		Time: 9:30 am to 11:00 am
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	CV-01	Modification in methodology of project work to enhance students learning outcome during pandemic situation	A.M. Hunashyal, Roopa AK
2	CS-03	Course Portfolio with Industry-Institute Collaboration	Prakash Hegade, Nirmala patil, Namita Kanthi
3	MBA-03	Reimagining Student Engagement in the Post Pandemic World	Mahantshetti Shashidhar, Navalgund Nagaraj
4	ME-14	A4 Framework for Knowledge Assimilation and Development	Vinayak N Kulkarni, B.B. Kotturshettar, V. N. Gaitonde, Jangali Satish G
TEA BREAK			
Day 2: 04-Jan-2022	Paper Presentation Session 4		Time: 11:15 am to 12:45 pm
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	MBA-02	Experimentation of Activity based Learning and Collaborative Teaching during online classes- A case of SMSR	G.S.Hiremath, Vinayak Banakar
2	CEER-07	FAQ as a tool in asynchronous mode of delivery in blended learning	Radhika Amashi, Krishnaraja Kodancha, Vijayalakshmi M, B B Kotturshettar, Ashok Shettar
3	ME-05	Engaging Technical Drawing Laboratory Courses in Virtual Mode	Shreeshail ML, Suresh H. K, G. M. Hiremath, B. S. Halemani, B. B. Kotturshettar
4	CEER-08	Effectiveness of introducing concept-wise questions through post-tests in ensuring student learning	Unnati Koppikar, Vijayalakshmi M, Poornima Mohanachandran, Dr. Ashok. Shettar
LUNCH			
Day 2: 04-Jan-2022	Poster Presentation		Time: 2:00 pm to 2:30 pm
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	ME01	Novel Method of Individualizing Questions in CAED Online Minor Examination	G. M Hiremath B. B Kotturshettar Suresh H K Shreeshail M L B. S Halemani

2	ME02	Development and Implementation of Online Instructions for CAED Course	G. M Hiremath B. B Kotturshettar Suresh H K Shreeshail M L B. S Halemani
3	ME03	Design and Implementation of Online Formative Assessment Techniques in CAED Course during COVID-19 Pandemic	G. M Hiremath B. B Kotturshettar Suresh H K Shreeshail M L B. S Halemani
4	BT02	Defence without Difference- A Case Study of an Analogy-based learning of Immunology	Shivalingsarj Desai Basavaraj Hungund Sharanappa Achappa Gururaj Tennalli
5	ME08	Enhancing competencies of mechanical engineers through internship program- A Case Study	Anand R Lakkundia, Shivanand P Pb, B BKotturshettarc, S B Burlid
Day 2: 04-Jan-2022	Time: 2:30 pm to 3:00 pm	Keynote by Dr. Ayyagari Professor of Instrumentation & Control Engineering., and Dean Academic Affairs, National Institute of Technology, Tiruchinapalli	Venue: BT Auditorium
Day 2: 04-Jan-2022	Paper Presentation Session 5		Time: 3:15 pm to 4:30 pm
Venue: BT Auditorium			
Sl. No	Paper-ID	Title	Authors
1	CEER-09	Peer-Mentoring in design projects in a project-based learning (PBL) at First-Year Engineering Course	Jyoti Gadad, Vinay Talageri, Preethi Baligar, Gopalkrishna Joshi
2	CS-05	Svadyaya: A Story-Telling Model for Discovery-Oriented Learning from Liberal Arts	Prakash Hegade, Vijayalakshmi M, Ashok Shettar
3	CEER-02	Troubleshooting in an online circuit simulation platform: A study on the troubleshooting process by first-year undergraduate students in a blended project-based learning course	Nandish Humbi, Preeti Patil, Vijayalakshmi M
4	BT-01	An inquiry-based Instructional Approach for Food Processing Technology Course Using Tool box	Shivalingsarj Desai, Veeranna Hombalimath, Laxmikant Patil, Anil Shet
Day 2: 04-Jan-2022	Valedictory Ceremony		Time: 4:30 pm
Venue: BT Auditorium			
HIGH TEA			

1. Call for Abstracts: Aug 27, 2021
2. Abstracts submission Sep 15, 2021
3. Extended abstracts submission Sep 27, 2021
4. Statistics of number of abstracts received from each department/centre

Department	No of abstracts received
CEER	6
Biotechnology	1
MCA	1
Civil	1
CS	3
EC	2
MBA	3
Mech	12
EE	0
Basic science	0
Total	32

5. Number of workshops proposed

Department	Workshops
MATLAB Grader (Mech)	1
Computational Thinking (CS)	1

Centre for Engineering Education Research Faculty Conclave 2021-2022

A two-day Faculty Conclave 2022 was organised by Centre for Engineering Education Research (CEER), KLE Technological University, Hubballi on 3rd and 4th January, 2022. This is one of the annual events.

Faculty Conclave is a celebration that showcases and shares innovations in engineering education done by faculties in the previous academic year. This year's conclave theme is "Digital Revolution in Engineering Education" with 10 different themes as shown in table 1. The focus of this edition of the Faculty Conclave is the use of technology in engineering education. This year's faculty conclave has 20 paper presentations, 5 poster presentations, 3 workshops, and 2 keynote sessions.

Table 1: Themes for Faculty Conclave-2022

SI.NO.	Themes
1.	Blended learning and online learning
2.	Active and collaborative learning through technology
3.	PBL and technology
4.	Virtual Laboratory
5.	Summative and formative assessments using technology
6.	Use of learning analytics for assessment
7.	Transitioning from in-person to blended learning
8.	Technology based learning resources
9.	Faculty training for technology enhanced learning
10.	Student mentoring through technology

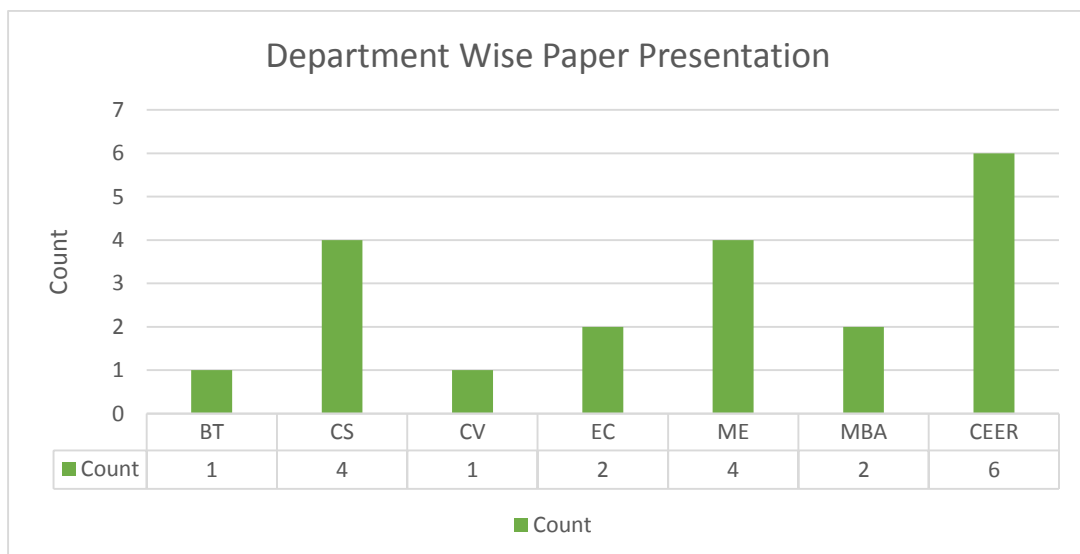


Image 1: Statistics of department wise paper presentations



Image 2: Inauguration speech by Honorable Vice-Chancellor Dr. Ashok Shetter



Image 2: Keynote by Dr. Yoganand Jeppu



Image 3: Paper presentation by faculty member



Image 4: Reviewer commenting on the presentation



Image 5: Tools for E-content creation workshop participants and resource persons



Image 6: Faculty Conclave 2022 organising team

Faculty Induction Program 2020-2021

Agenda for the training: 4th September 2021

Sl.No.	Session name	Content covered	Time	Resource Person
8.30am to 9.30am Registration				
1	Overview of Faculty Induction Program	<ul style="list-style-type: none"> • Culture at KLE Tech • Faculty roles and responsibilities at KLE Tech • Professional Development 	9.30am to 10.30am	Dr. Ashok Shettar Vice Chancellor KLE Technological University
2	Introduction to OBE	Graduate Attributes	10.30am to 11.45am	Dr. P.G. Tewari Dean Academics KLE Technological University
Tea Break : 11.45am to 12.00pm				
3	Course Design and Delivery	Bloom's Taxonomy	12.00pm To 1.30pm	Dr. B B Kotturshettar Dean Planning and Development KLE Technological University
Lunch Break : 1. 30pm to 2.00pm				
4	Course Design and Delivery	<ul style="list-style-type: none"> • COs and TLOs– What, Why and How to write? • POs, TLOs and COs Relationship 	2.00pm to 4.30pm	Dr. B B Kotturshettar Dean Planning and Development KLE Technological University

Faculty Induction Program 2020-2021

Agenda for the training: 5th September 2021

Sl.No.	Session name	Content covered	Time	Resource Person
5	Ethical Conduct of Teacher	Dos and Don'ts at KLE Tech	9.30am To 10.30am	Dr. P.G. Tewari Dean Academics KLE Technological University
6	Engineering Education	Pedagogy and Assessment in action.	10.30am To 11.30pm	Dr. Vijayalakshmi M Director CEER KLE Technological University
Tea Break 11.30am to 11.45am				
7	Engineering Education	Engineering Education Research	11.45am To 1.30pm	Dr. Vijayalakshmi M Director CEER KLE Technological University

Faculty Induction Program 2020-2021

Agenda for the training: 6th September 2021

Sl.No.	Session name	Content covered	Time	Resource Person
8	Research and Research Culture at KLE Tech	Relevant and Important portals and tools	9.30am To 10.30am	Dr. Uma Mudenagudi Dean R & D KLE Technological University
9	Student Counselling and Mentoring		10.30am To 11.30am	Prof. B.L. Desai Executive Dean KLE Technological University
	Tea Break : 11.30am to 11.45am			
	Student Counselling and Mentoring		11.45am To 1.00pm	Prof. B.L. Desai Executive Dean KLE Technological University
Lunch Break: 1.00pm to 2.00pm				
10	Pedagogies in Engineering Education		2.00pm To 3.30pm	Dr. N.H. Ayachit Registrar KLE Technological University
Tea Break : 3.30pm to 3.45pm				
11	IPR		3.45pm to 5.00pm	Dr. Guttal Ravi Director CIPD - Business Incubator, Design Center, & IP Facilitation Cell KLE Technological University

1. Faculty Induction Program 2021

Faculty Induction training for newly recruited faculty members was organized by the Centre for Engineering Education Research (CEER), KLE Technological University, Hubballi, from 04th, to 06th September 2021. The newly recruited faculty of the institute actively participated in the deliberations during the training. The event served as a platform for learning new ideas and practices followed across the various schools and Departments of the KLE Technological University.

1. Objectives of the Practice-

Faculty Induction training focuses mainly on enabling newly recruited faculty members in different teaching pedagogies, making them understand how to design curriculum and about OBE (Outcome Based Education).

2. The Context

Centre for Engineering Education Research (CEER) organized Faculty Induction training for newly recruited faculty members at KLE Technological University from 04th to 6th of September 2019. Faculty members actively participated in the deliberations during the training. The event served as a platform for learning new ideas and practices followed across the various schools and departments of the university.

3. Evidence of Success

The training was conducted in four distinct sessions; total 36 faculty members participated in the training.

4. Photos

The training was conducting in four distinct sessions

Sl.No.	Session name	Content covered	Resource Person
1	Overview of Faculty Induction Program	<ul style="list-style-type: none"> • Culture at KLE Tech • Faculty roles and responsibilities at KLE Tech • Professional Development 	<p>Dr. Ashok Shettar</p> <p>Vice Chancellor KLE Technological University</p>
2	Introduction to OBE	Graduate Attributes	<p>Dr. P.G. Tewari</p> <p>Dean Academics KLE Technological University</p>
4	Course Design and Delivery	<ul style="list-style-type: none"> • COs and TLOs– What, Why and How to write? • POs, TLOs and COs Relationship 	<p>Dr. B B Kotturshettar</p> <p>Dean Planning and Development KLE Technological University</p>
5	Ethical Conduct of Teacher	Dos and Don'ts at KLE Tech	<p>Dr. P.G. Tewari</p> <p>Dean Academics KLE Technological University</p>
6	Engineering Education	<ul style="list-style-type: none"> • Pedagogy and Assessment in action • Engineering Education Research 	<p>Dr. Vijayalakshmi M</p> <p>Director CEER KLE Technological University</p>
7	Research and Research Culture at KLE Tech	Relevant and Important portals and tools	<p>Dr. Uma Mudenagudi</p> <p>Dean R & D KLE Technological University</p>
9	Student Counselling and Mentoring		<p>Prof. B.L. Desai</p> <p>Executive Dean KLE Technological University</p>
10	Pedagogies in Engineering Education		<p>Dr. N.H. Ayachit</p> <p>Registrar KLE Technological University</p>
11	IPR		<p>Dr. Guttal Ravi</p> <p>Director CIPD - Business Incubator, Design Center, & IP Facilitation Cell KLE Technological University</p>



Banjara Academy

“Enriching Life through empowerment”

Dear Prof Sanjay Kotabagi,

This is to convey to you our deep sense of appreciation and gratitude for the way you organized and ensured the continuity and success of the teachers' orientation into counseling and mentoring in the past few months.

Our team members felt very comfortable and were able to conduct the sessions with ease and efficiency thanks to the hospitality, coordination and efforts of yourself and your colleagues. We sincerely appreciate the genuine interest you take in the welfare and holistic development of your students, and your desire to ensure that all Faculty members of your university are involved in the process.

Warm regards and best wishes,

Dr. Ali Khwaja
Chairman





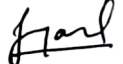






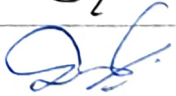
Ms. Purnima Ganesh
Director Programs

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**Human Resource Development Cell
Practical Sessions on "Counseling & Mentoring"**

Date - 11-12-2021

Sl No	Name of Faculty	Department	Signature
1.	Divya sharma	Architecture	 11/12/21.
2.	Chaitanya A	Civil	 11/12/21
3.	Khalida M	Civil	 11/12/21
4.	Kiran R Patil	EE	 11/12
5.	Jayashree Mallidu	EE	
6.	Padmaja B Kallimani	EE	
7.	Altaf Hussain	EE	
8.	V.A. Goudar	Mech	
9.	V.H. Choudapur	Physics	- Ab -
10.	Sangeeta Kolavekar	Physics	
11.	Jyoti Sidhna	Mathematics	
12.	Shivanand Seeri	MCA	- Ab -
13.	Ashok Chikaraddi	MCA	
14.	Shashikala Budni	MCA	



Human Resource Development Cell
Practical Sessions on "Counseling & Mentoring"

Date - 04-12-2021

Sl No	Name of Faculty	Department	Signature
1.	Uday M. Muddapur	BT	
2.	L.R.Patil	BT	
3.	Zabin K. Bagewadi	BT	
4.	Roopa Kuri	Civil	
5.	Altaf Hussain	E & E	
6.	Anoopkumar Patil	EE	
7.	Nagaraj Ekbote	SME	
8.	Anand L	SME	
9.	Shivanand P. Prabhuswamimath	SME	
10.	Adarsh Patil	SME	
11.	V.A. Goudar	SME	
12.	Jayanti Belur	MBA	_____
13.	Shashidhar Mahantshetty	MBA	
14.	Vani Yelamalli	Hum	

15. B.R. Kurumdawade Chem