



# PANORAMA

VOLUME 12

ISSUE 1

July 2020



**BREAKING BARRIERS**

scaling new heights





**ALL INDIA RANKS**  
**nirf**  
**2020**

**SCALING NEW HEIGHTS**



**41**  
RANK  
UNIVERSITY  
CATEGORY



**58** RANK  
ENGINEERING  
CATEGORY

**70** RANK  
MANAGEMENT STUDIES  
CATEGORY

**70** RANK  
OVERALL  
CATEGORY

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# KL PANORAMA

VOLUME 12

ISSUE 1

July 2020

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## PRESIDENT'S MESSAGE



President  
**Er. Koneru Satyanarayana**

### **Dear Reader,**

We are happy to secure a good ranking in NIRF 2020. K L is ranked 41 by NIRF (National Institutional Ranking framework) in University Discipline. This is a proud moment for the faculties, students and employees of the university. The world has never experienced such a global crisis (COVID-19) in our lifetime and there is no doubt that it has challenged us all, on both a personal and a professional level.

KL is well positioned to respond to the challenges this pandemic poses, switching rapidly and seamlessly from a conventional classroom setting to an online learning world. The future of learning lies in online learning, which is quick to access and very convenient for the aspiring learners.

I am very proud to say that through our virtual classroom approach, our students are actively involved in quality learning. Our committed students, teachers and staff have contributed to the success of our online learning and online assessment process and have ensured that learning never stops.

KL with its state of the art infrastructure conducted exams online with live proctoring for students amid the coronavirus-forced lockdown. We have developed a very innovative way of conducting the examination at large. It is secure and highly scalable with live proctoring .

During these extraordinary times, thousands of dedicated parents have also played an important role in providing logistical and moral support to their children at home – and for that, we are thankful. The last few months have given us valuable learning experience and helped to improve our resilience.

This issue of newsletter covers the online events conducted by departments, academic staff college, smart village revolution team and other divisions. The Editorial Team hopes that the issue will meet the expectations of the web readers.

Happy Reading.

**- Er. Koneru Satyanarayana**  
President - KLEF





## Dr. Prasada Rao YVSSSV assumed charge as Registrar-KLEF

Dr. Prasada Rao Y V S S V, is a highly accomplished Senior Professor of Mechanical Engineering and Management Studies, having an experience of 37 years. He has been the PRINCIPAL for 16 long years of well established, NBA / NAAC accredited and autonomous Engineering Colleges. He holds graduation in the faculty of Mechanical Engineering, post graduation in the faculty of Mechanical Engineering and Doctorate in the faculty of Mechanical Engineering. He has an excellent academic track record with University Ranks having secured an incredible percentage of 92.80 marks in his engineering graduation from JNTU College of Engineering Anantapur, a source of inspiration for students, faculty and other stake holders. In addition he holds the prestigious MBA degree with University Rank and ICWA, the professional degree, from the Institute of Costs and Works Accountants of India with Fellowship. The assignments successfully carried out by him earlier include the Senior Scientist and Dy. Project Director of the prestigious apex research organisation of the country Defence Research and Development Organisation (DRDO) Ministry of Defence Govt of India, Founder Professor & Director School of Management Studies Adikavi Nannaya University Rajahmundry (a State University), Principal of Vignan Engineering College (now Vignan University) Guntur, Sir C R Reddy College of Engineering Eluru, NRI Institute of Technology Guntur. He has also been the Dean (Examinations & Evaluation) of K L University.

He has the successful track record of presenting the institutions for NBA, NAAC & UGC autonomous status as Head of the Institution (Principal). He is on the editorial board / reviewer for several international journals. He was the recipient of the State Govt Award of Excellence from Hon'ble Chief Minister of Andhra Pradesh in 2007 as Principal of Vignan Engineering College (now Vignan University) Guntur. He has also been the recipient of no. of honours and awards including the Best Teacher award several times in succession.

He has more than 50 research papers to his credit published in international & national journals with high impact factor including SCOPUS indexed and SCI journals. He is a recognised research supervisor for several universities and has been guiding many Doctoral (Ph.D) research scholars and some of his scholars were already awarded the Ph.D degree. He had also been the Regional Coordinator for the prestigious EAMCET and the State level committee member for the ECET examination for admission into BTech programmes, conducted by the Govt of Andhra Pradesh. Prof. Prasada Rao combines his vast academic knowledge with industry / research expertise to deliver his value added services to the satisfaction of all stake holders of the system.





## A Report on the list of events organised by Academic Staff College from April to June 2020

On initiation from IQAC, the Academic Staff College of KLEF organised a one day national webinar on “Intellectual Property Rights: A Tool for Enhancing Academic Integrity” on 24.04.2020. The webinar was conducted by **Dr. K I Pavan Kumar, Associate Professor**, College of Law and was attended by 147 faculty members.

The following issues were discussed by the resource person.

1. Introduction to Copy Rights
2. Types of Intellectual Property Rights (IPRs)
3. What and what not covered under Copy Rights?
4. Universities and IPR
5. Universities and Trademarks
6. Academic integrity with respect to other IPRs

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated Dr. Pavan Kumar for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

On initiation from IQAC, the Academic Staff College of KLEF organised a one day national webinar on “A Postmodern Exploration of Indian English Literature” on 14.05.2020. The webinar was conducted by **Dr. Narasimha Rao Kedari, Associate Professor** from Department of Indian and World Literatures, English and Foreign Languages University (EFLU), Hyderabad and was attended by 120 faculty members from KLEF and across India.

The following issues were discussed by the resource person.

1. Postmodernism and its context
2. The Metanarrative and its contestants
3. Religion and the postmodern counter voices
  - i. The Indian postmodern alternative
4. Globalization
5. Mass Media and the simulacra
6. History and Myths and Legends
7. Language and postmodern interrogation
8. Freedom from tradition
9. Voicing the forgotten orientations
10. Politics and postmodernism
11. Conclusion

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated Dr. Narasimha Rao for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

**On initiation from IQAC, the Academic Staff College of KLEF** organised a one day national webinar on **"ELT and the Divergence Grammar: Phonology and Phonetics"** on 27-05-2020. The webinar was conducted by **Prof. G. Uma Maheshwar Rao, Professor of Linguistics, Hyderabad Central University, Hyderabad** and was attended by 85 faculty members from KLEF and across India.

The following issues were discussed by the resource person.

1. Demographics and the Context Teaching and Learning of English.
2. The Language: origin and evaluation.
3. Teaching English as a Second Language.
4. Definition of Divergence Grammar.
5. The context of Phonology and phonetics.
6. Places of Articulation Divergence.
7. Allophonic Articulations and Divergence.
8. Syllable Structure.
9. Writing Systems and Phonological correspondences.
10. Several salient phonological divergences between English and ILs.

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated Prof. G. Uma Maheshwar Rao for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

**On initiation from IQAC, the Academic Staff College of KLEF** organised a one day national webinar on **"Writing Good Technical Paper – A Necessary Skill Development"** on 30-05-2020. The webinar was conducted by **Dr. Sivaji Chakravorti, Director, NIT, Calicut, India** and was attended by 300 faculty members from KLEF and across India.

The following issues were discussed by the resource person.

1. Structure of a Technical Paper
2. Title
3. Abstract
4. Introduction
5. Literature Review
6. Problem Statement
7. Research Design
8. Analysis
9. Conclusions
10. References

Further the resource gave certain practical tips for writing a good research paper. He added the role and significance of title and abstract in getting a positive nod from the good publishers. He also stated the novelty in writing a research paper would come through thorough reading on more number of research papers published in good journals and further to practicing in one's own style. He also cautioned about the value of the remarks given by the reviewers and advised the scholars and faculty that one should not get disappointed about those remarks rather consider them as the helping clues to attain success in writing and publication of papers. Further he stressed upon the ethical issues and intellectual property issues in writing and publication of research papers and cautioned the participants about the plagiarism policies being adopted by the UGC.

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated



Dr. Sivaji Chakravorti for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

**On initiation from IQAC, the Academic Staff College of KLEF** organised a one day national webinar on **"Machine Learning: Trends and Applications"** on 03-06-2020. The webinar was conducted by **Dr. P. Radha Krishna, Head, Dept of CSE, NIT, Warangal, India** and was attended by 150 faculty members from KLEF and across India.

The following issues were discussed by the resource person.

1. Introduction to Machine Learning (ML).
2. Machine Learning Algorithms.
3. Complex Organisations and Cyber Security.
4. Artificial Intelligence (AI).
5. Various applications of AI.
6. ML vs and vis- a-vis AI
7. Applications of Regression, Classification and Clustering.

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated Dr. P. Radha Krishna for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

**On initiation from IQAC, the Academic Staff College of KLEF** organised a one day national webinar on **"Programmes and Funding Opportunities from ICSSR & ICSSR-SRC"** on 12-06-2020. The webinar was conducted by **Dr. Jacob Kalle, Consultant (Academic & Admin.) and Office Superintendent I/c, ICSSR-Southern Regional**

**Centre, Hyderabad** and was attended by 40 faculty members from Department of English, College of Law, College of Fine Arts, College of Arts and Humanities of KLEF.

The following points were discussed by the resource person.

- Part-I: About ICSSR
- Part-II: Funding Opportunities in ICSSR
- Part-III: Funding Opportunities in ICSSR-SRC
- Part-IV: Important Aspects for Funding

The session was interactive and the resource person clarified all the doubts raised by the participants. Dr. Ch. Hanumantha Rao, Principal of ASC and Dr. B. Siva Nagaiah, Vice-Principal of ASC thanked and appreciated Dr. Jacob Kalle for conducting the webinar to the satisfaction of all the participants. E-certificates were issued to the participants.

**On initiation from IQAC and on invitation from Ministry of Ayush, Govt of India, the Academic Staff College of KLEF** in association with **Dean (Students Affairs)** provided a virtual platform for the faculty, students and non-teaching staff of KLEF and helped those participants to practice Yoga on eve of **"International Day of Yoga"** on 21st June 2020.

The virtual based practice sessions were conducted by Kamalesh D. Patel – Daaji – Founder and Guide, Heartfulness Institute, Yogrishi Baba Ramdev, President – Patanjali Yogpeeth and the national and international experts on Yoga in association with Ministry of Ayush, Govt. of India.

Inspired by the clarion call by Sri. Narendra Modi, the hon'ble Prime Minister of India, more than 1000 participants from KLEF attended various sessions and practiced Yoga. The participation certificates were issued by the Heartfulness Institute.



## Call for Innovative Proposals for COVID-19 by CIIE

Centre for Innovation, Incubation & Entrepreneurship (CIIE) of our University has released a circular inviting Innovative Solutions with the theme "Hack the Crisis COVID-19 with Creative Ideas & Innovative Solutions" from all the interested faculty & students of all engineering and non-engineering branches to unite and come up with a solution to fight CORONA with special focus on Containment of CORONA Virus (COVID-19) with intent to develop solutions to deal with its aftermath. The objective of this innovation challenge is to develop solutions which could help solve the crisis and give an edge in the post-crisis.

Around 128 applications from all engineering & non-engineering departments have been received by CIIE. Few of the proposals got approval from management and implemented prototypes. Few of the prototypes are made by the Director R&D Mr. VV Subba Rao. Following is the list of products

1. Face Mask
2. UV room disinfecting device
3. New drug for CORONA virus





## Participation of CIIE and Department Coordinators in the Online Sessions on Innovation, Startups & Entrepreneurship by MHRD Innovation Cell from April 2020 to May 2020.



Faculty from CIIE and department coordinators along with students, innovators & student coordinators participated in the online sessions on Innovation, Startups & Entrepreneurship by MHRD Innovation Cell. Following faculty have attended the online sessions :

Mrs.M.Anila(CSE),Mr.T.Vijay Muni(EEE),Dr.C.Arun(BT), Mrs.P.Padmavathy(B.A), Mr.G.Uma Sankar(Pharmacy), Mr.Bhupati(ECM), Dr.B.Polaiah(ECE), Dr.K.Raghavarao (CIIE/ECM), Dr.K.Raja Sekhar (CSE/CIIE), Mr.S.V.Srikesh (TBI/B.Des –CIIE).





Student innovators and coordinators: Mr.D.Bharath Simha Reddy, Ms Ch.Naga Pavani, Ms G.Sridevi, Mr.R.Rohit, Mr. Siddu Eswar,Mr.M.Sivakumar,Mr.Vinay Are,Mr.P.Ajay Vamsi,Mr.G.Likith, Ms B.Saroja,Ms P.Nikitha,Mr.N.Nithin Sai,Ms U.Naga Pujitha,Ms K.Jyothi, Ms Reshma Chandrika,Ms Sathwika,Mr.K.Prudhvi Raj, Mr.Dhanush,Mr.Vivek, Ms.Lakshmi Manasa, Ms Poojitha, Ms Hemanjali, Mr.Akash,Mr.Ajay Vamsi, Ms Lasya.

Online sessions conducted are

 				
 <b>INSTITUTION'S INNOVATION COUNCIL</b> <b>MHRD'S INNOVATION CELL</b> <b>ONLINE ACTIVITIES (Q3 and Q4), AY -2019-2020</b> 				
e-Session No	e-Session Title	Expert/Speaker Name	Organised Date & Time	Youtube Link to Watch the Session
1	National Innovation and Startup Policy for Students and Faculty in HEIs - A Guiding Framework for HEIs for Implementation	Mr. Dipan Sahu National Coordinator - NISP, IIC & ARIIA, MBA/PGDM in IEV Program, MHRD's Innovation Cell, AICTE	28-04-2020 3.00 PM - 5.30 PM	<a href="https://youtu.be/8vdEYL7uKXs">https://youtu.be/8vdEYL7uKXs</a>
2	Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage.	Mr. Muthu Singaram, CEO, IIT Madras Incubator - HTIC, MTI, Chennai, Founder of VibaZone	29-04-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/ectBApUTvRc">https://youtu.be/ectBApUTvRc</a>
3	Hangout with Emerging Innovator & Entrepreneurs Supported through MIC & AICTE	Ms. Vandana Thakur Female Innovator cum Entrepreneur, Canada India Acceleration Program 2020, L M College of Pharmacy, Ahmedabad  Mr. Amit Sanjay Lokhende Innovator Cum Entrepreneur, India-South Korea Startup Exchange Program 2020 Institute of Chemical Technology, Mumbai	30/04/2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/RWUAqE9mOcg">https://youtu.be/RWUAqE9mOcg</a>
4	Role of Network Enablers in Driving I&E in HEIs - A Case of TiE, India	Ms. Geetika Dayal Executive Director/TiE, Delhi- NCR	1-05-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/6nyk9xWIXfi">https://youtu.be/6nyk9xWIXfi</a>
5	Hangout with Successful Startup Founder and Learn on Design thinking Approach for Hardware Innovation	Dr. Pankaj Parashar CEO/Founder Cutting Edge Technologies Pvt. Ltd., Indore	04-05-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/IKcINgKMjpk">https://youtu.be/IKcINgKMjpk</a>

 <b>INSTITUTION'S INNOVATION COUNCIL</b> <b>MHRD'S INNOVATION CELL</b> <b>ONLINE ACTIVITIES (Q3 and Q4), AY -2019-2020</b> 				
e-Session No	e-Session Title	Expert/Speaker Name	Organised Date & Time	Youtube Link to Watch the Session
6	Entrepreneurial Motivation and Business Idea	Dr. Sunil Shukla, Director General, EDII, Ahmedabad Dr. Amit Dwivedi, Associate Sr. Faculty EDII, Ahmedabad Mr. Mayank Patel CEO, Cradle Incubator, EDII, Ahmedabad	05-05-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/TUzfh3Ve06o">https://youtu.be/TUzfh3Ve06o</a>
7	How to Identify Right Problem and Solution using the Double Diamond Approach in Design	Ms. Prajakta Kulkarni, Founder Director, Nodes Pvt. Ltd. & Sanket Inamdar, Co-founder & CEO Nodes Pvt. Ltd, Pune	06-05-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/ctLsKqvQdFQ">https://youtu.be/ctLsKqvQdFQ</a>
8	Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups	Dr Sanjeeva Kumar Majumdar Manager-IPR, StartUp & Incubation, NRDC, New Delhi	07-05-2020 3.00 PM - 4.00 PM	<a href="https://youtu.be/PRBGCk0UfOs">https://youtu.be/PRBGCk0UfOs</a>
9	Understanding Angel and Venture Capital Funding - What is there for Early Stage Innovator & Entrepreneurs	Mr. Sushanto Mitra, CEO, Lead Angels Network, SVAAS Management Pvt. Ltd.	08-05-2020 3.00 PM - 3.30 PM	<a href="https://youtu.be/rGZoW_ztyRM">https://youtu.be/rGZoW_ztyRM</a>



  <b>INSTITUTION'S INNOVATION COUNCIL</b> <b>MHRD'S INNOVATION CELL</b> <b>ONLINE ACTIVITIES (Q3 and Q4), AY -2019-2020</b>  							
e-Session No	e-Session Title	Type of Activity	Learning Objectives/Topics to be Covered	Theme	Expert Name	Date & Time	Link for Session Detail
10	Legal and Ethical Steps - Productive Entrepreneurship and Startup	IIC Calendar Activity	> What is Productive Entrepreneurship and Startup > Legal and Ethical Steps for Registering Startups	Entrepreneurship Development	Mr. Harit Mohan Founder & CEO of Signicent LLP in India and Signicent LLC in the US	12-05-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
11	Innovating Self- Screen and Identify right opportunities	IIC Calendar activity	> How to screen a situation and identify the challenges and opportunities  > Role of HEIs and faculties in helping students to Innovate	Entrepreneurship Development	Prof. Sanjay Inamdar Chairman, AICTE Startup Policy Implementation Committee and Entrepreneur	13-05-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
12	Role of Market Research and application of Tools from Idea to Sales Stage - Foundation Level	IIC Calendar activity	> Using data and marketing research for validation and survival of your start up	Entrepreneurship Development	Mr. Anil Chhikara Serial Entrepreneur, TEDx Speaker, Chairman - Startup India Foundation	14-05-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
13	Innovation Risk Diagnostic: Product Innovation Rubric (PIR)	MIC Driven Activity	> Understand the different risks inherent to Product Innovation and how you can validate the true market potential of the product innovation by linking it to customer motivation, customer-acceptance, and customer-commitment  > Learn the fundamentals of PIR and the diagnostic tool to evaluate and assess the potential of the Product Innovations and to gauge its progress.	Entrepreneurship Development	Dr. Lakshmi Meera Program Director, Forge Incubator, Coimbatore	15-05-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
14	Launching a Business Plan and Launching Business	IIC Calendar activity	> How to write a good Business Plan > Plan for New Enterprise Launch - addressing the key issues	Entrepreneurship Development	Dr. Satya R. Acharya Entrepreneurship Development Institute of India (EDII), Ahmedabad  Dr.P.G.Makhija, Sr Faculty EDII	19-5-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
15	Role of Market Research and application of Tools from Idea to startups Stage - Increasing Chances of Survival of Venture	IIC Calendar activity	> Understanding application of market data and research for survival of innovation and venture > B2B and B2C Case Study	Entrepreneurship Development	Mr. Anil Chhikara Serial Entrepreneur, TEDx Speaker, Chairman - Startup India Foundation	20-5-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>

16	Frugal Innovations and Social Entrepreneurship	MIC Driven Activity	> What is Frugal Innovations and its importance > What is Social Entrepreneurship and its importance	Entrepreneurship Development	Dr. Raman Gujaral, EDII, Ahmedabad	21-5-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>
17	Listen to Life Story of Winners of Smart India Hackathon (SIH) & Institution's Innovation Council (IIC).	MIC Driven Activity	> Listen to Life Story of Winners of Smart India Hackathon (SIH) & Institution's Innovation Council (IIC).	Entrepreneurship Development	Listen to Life Story of Winners of Smart India Hackathon (SIH) & Institution's Innovation Council (IIC).	22-5-2020 3.00 PM - 4.00 PM	<a href="https://mic.gov.in/ilcwebinar.php">https://mic.gov.in/ilcwebinar.php</a>

## Submission of Proposal to MSME

CIIE has submitted its proposal application received from MSME to conduct various training programs on Innovation, Start-ups and Entrepreneurship including Intellectual Property Rights.

## Call for TIDE 2.0 EiR (Entrepreneurship in Residence)/Grant Applications under MeitY (Ministry of Electronics & Information Technology)

Center for Innovation Incubation & Entrepreneurship (CIIE) of our University invites applications for EiR (Entrepreneur in Residence)/Grant seed fund support for technology support with 4 and 7 Lakhs funding respectively. Technology Incubation and Development of Entrepreneurship (TIDE) 2.0 is a scheme for strengthening technology startups by Ministry of Electronics & Information Technology (MeitY), Government of India. Our CIIE is one of the incubation centers funded under TIDE 2.0 scheme.



**KL**  
UNIVERSITY



Center for Innovation Incubation and Entrepreneurship (CIIE) of KL University invites applications for Entrepreneurship-in-Residence (EiR) & Grant seed fund support for technology startups



**MEITY STARTUP HUB**



**TIDE 2.0**

Technology Incubation and Development of Entrepreneurship (TIDE 2.0) is a scheme for strengthening close to 2000 Technology Startups

**EiR**

The main objective of the scheme is to nurture the Innovations & startups by validation and development of idea/Prototype. To develop their innovation through a technology enabling environment.

**Fund: 4 Lakhs**

**Grant**

The program mainly targets a valid PoC to be transformed to prototype or a Minimum Viable Product (MVP) by providing ample opportunities and support in terms of product development assistance. The program provides facility for the development of PoC/ready product thus bridging the gap between idea and prototype funding.

**Fund: 7 Lakhs**

**Program Time Line: 12 Months**

**Areas for Submission**

- ✓ Healthcare
- ✓ Education
- ✓ Agriculture
- ✓ Financial inclusion including digital payments
- ✓ Infrastructure and transportation
- ✓ Environment and clean-tech
- ✓ clean energy
- ✓ and other emerging areas

Submit your applications: <https://forms.gle/tXixiVCjkmSJss6B7>

Website: <https://kluniversity.in/edcnew/tide-program.aspx>

**For Details Contact:**

Centre for Innovation, Incubation & Entrepreneurship (CIIE), KLEF, AP.

**Email:**

director\_iiie@kluniversity.in  
srikesh@kluniversity.in

**Contact:**

Dr. K. Raja Sekhar: 9848796748  
Mr. S.V.Srikesh: 9618306076

**Last date to apply is 30<sup>th</sup> June 2020**

Igniting the Young Entrepreneurs Powered by:  
**Centre for Innovation, Incubation & Entrepreneurship (CIIE)**

## 2<sup>nd</sup> Online Interactive Meeting with G2 & G3 Centers of TIDE 2.0 scheme under MeitY in association with IIT Mumbai Incubation Center

CIIE team has participated in an online interactive meeting conducted by MeitY, Government of India and SINE, IIT Mumbai as part of 2nd online interaction with MeitY Incubators held on 30th June 2020 from 3.00 PM onwards. Following agenda of points have been discussed

3.00 pm - 3.10 pm	Welcome note by SINE (Introduction of new members)
3.15 pm - 4.30 pm	Presentation by centres on their strengths *(5 min each)
	KLE Centre for Technology Innovation and Entrepreneurship, KLE Technological University, Dharwad
	SR Innovation Exchange, Warangal Affiliated to JNTU, Hyderabad (Srix)
	Atal Incubation Centre - Centre for Cellular & Molecular Biology (AIC-CCMB), Hyderabad
	AIC - Pinnacle Entrepreneurship Forum, Pune
	Atal Incubation Centre - ALEAP We-Hub, Hyderabad (Association of Lady Entrepreneurs of India)
	PSG Science and Technology Entrepreneurial Park (PSG-STEP), PSG College of Technology, Coimbatore
	Vellore Institute of Technology - Technology Business Incubator (VIT-TBI)
	Centre for Innovation Incubation & Entrepreneurship (CIIE), KL University, Guntur
	i-TIC Foundation, IIT Hyderabad
	IIM Visakhapatnam Incubation Center, Visakhapatnam
	Sandip Technology Business Incubator (TBI), Sandip University, Nashik
	Dayananda Sagar Entrepreneurship Research & Business Incubator (DERBI) Foundation, Bengaluru
4.30 pm - 5.30 pm	Indicative Operational Guidelines (Tide 2.0)- EIR & Grant - SINE
5.35 pm - 5.45 pm	Closing Remarks – SINE



## Minutes of Meeting -IIE/IPR Strategy Meet

CIIE has conducted strategic meeting as per the calendar of events for 2019-2020 by MHRD Innovation Cell on 06th June 2020 from 10.30 hrs to 11.30 hrs

Agenda and Points discussed:

1. Inviting applications for EIR (Entrepreneurship in Residence) worth 4 lakhs & Grant worth 7 lakhs for Startups & Entrepreneurs for products/services involving technology innovation in the areas of Agriculture, Healthcare, Education, Financial services, Environment & Clean Technologies, Infrastructure & Transportation and other emerging areas under TIDE(Technology Innovation & Development of Entrepreneurs) 2.0 scheme by MeitY(Ministry of Electronics & Information Technology), Govt. of India.
2. Communication to all students, student innovators and student coordinators for participating in National Innovation Contest with Idea/PoC/ Prototype initiated by MHRD Innovation Cell
3. Fab Lab - I for Mechanical development is under working with the present machinery & facilities made and new machinery to be arrived for installation. Fab Lab - II for Electronic development (IoT, Robotics & E-vehicle transportation) is under development. All the required infrastructure and equipment need for working / making conceptual developments have been identified.
4. Members to come up with innovative ideas along with proposals and shall realize them utilizing facilities at Fab Lab.
5. As many students as possible from various disciplines shall be encouraged to make concepts on the identified problems for making prototypes in the fab lab.
6. Faculty members to spend some time in the fab lab to get awareness of the on the going projects and developments.
7. Non teaching staff to spend more time in the fab lab for the planned production of products made for disinfecting microbes (ex Corona virus) with going projects and developments.

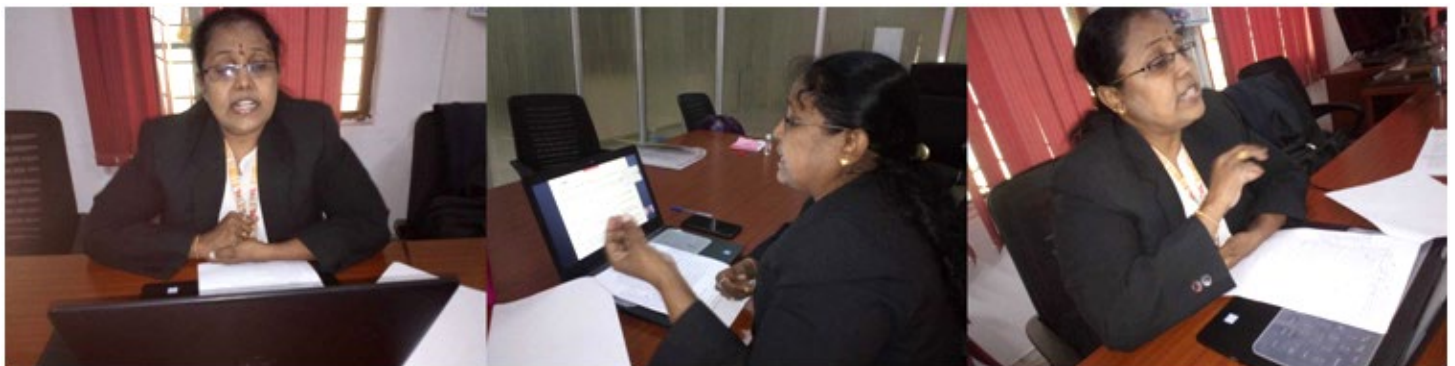
## Submission of Idea/PoCs/Prototypes towards National Innovation Contest-2020 by MHRD Innovation Cell

CIIE released a circular on Ideation competition launched by Institution's Innovation Council (IIC) of MHRD's Innovation Cell and AICTE which is an annual innovation contest to identify the creative minds from IIC-Institutes and engage them in building innovations and nurturing into start-ups. The 2nd edition of IIC-National Innovation Contest (2020) is currently under progress for the students of all IIC-Institutes. More than 60 Ideas were submitted by the students of our University.



**KLEF Women's forum conducted seminar on "Legal Rights for Women" for the Girl students in online on 24<sup>th</sup> June 2020.**

The programme started in online with a welcome note by Dr M.Sreedevi, Coordinator Women's Forum K L E F she introduced the resource person Dr. P. Sailaja, Associate Professor in Law College K L University to all the students who are in on line.



Dr P.Sailaja started this session in online to the students that there are several laws that give women the power to fight adversities such as discrimination, harassment, violence and abuse. Women rights can be broadly classified into two categories constitutional rights and legal rights. Those guaranteed by the Constitution include Right to Equality, no discrimination in employment on the ground of sex, to secure adequate means of livelihood, equal pay for equal work, securing just and humane conditions of work and maternity relief etc. On the other hand, legal rights are available to women in the form of prevailing law or enactments in the country. She also told that 14 relevant laws that she says women in India should know to be aware of their legal rights they are

**Protection of Women from Domestic Violence Act:** A comprehensive legislation is essential to protect Indian women from different types of domestic violence. It ensures protection for women who are in a relationship and are subjected to constant physical, mental, sexual, verbal

and emotional violence.

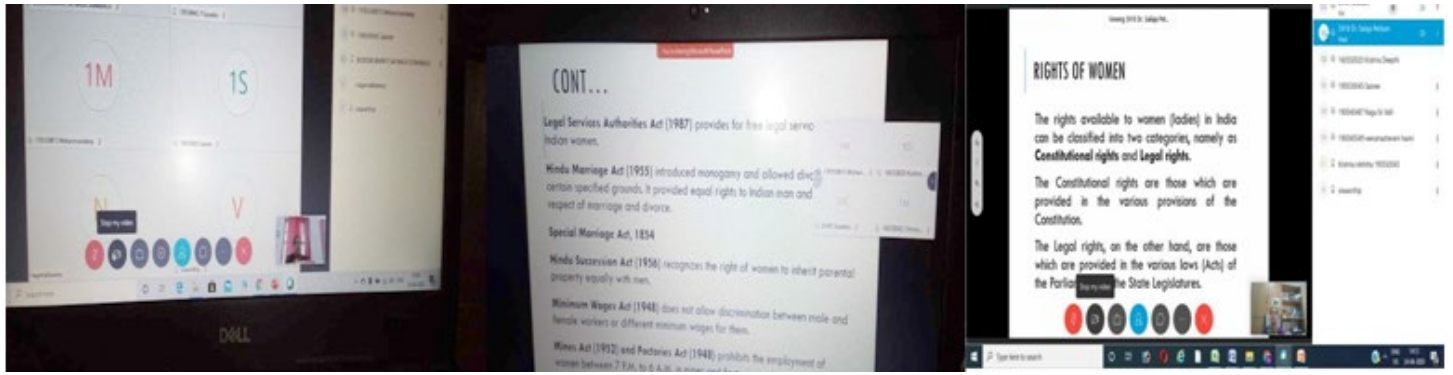
**Immoral Traffic (Prevention) Act:** It helps in protecting women from trafficking for the purpose of prostitution as an organised means of living.

**Indecent Representation of Women (Prohibition) Act:** It prevents improper representation of women via any advertisement or in publications, writings, paintings, figures or in any other manner.

**Dowry Prohibition Act:** It prohibits the giving or taking of dowry at or before or any time after the marriage from women.

**Maternity Benefit Act:** This ensures that women working in establishments for decided time (both before and after childbirth) are entitled to maternity and other benefits.

**Medical Termination of Pregnancy Act:** This allows the termination of certain cases of pregnancies by registered doctors on humanitarian and medical grounds.



**Pre-Conception and Pre-Natal Diagnostic Techniques (Prohibition of Sex Selection) Act:** This will prevent of sex selection before or after a woman conceives. This will reduce unwanted and illegal abortions in the country.

**Equal Remuneration Act:** This ensures payment of equal remuneration to both men and women workers for the same work or work of a similar nature. In the context of recruitment and service conditions, there will be no discrimination on the basis of gender.

**Family Courts Act:** It provides for the establishment of Family Courts for speedy settlement of family disputes.

**Legal Services Authorities Act:** This provides for free legal services to Indian women.

**Hindu Marriage Act:** This has been instrumental in introducing monogamy and allowed divorce on certain specified grounds. This law has helped in bringing Indian man and woman on the same platform in terms of marriage and divorce.

**Hindu Succession Act:** This recognizes the right of women to inherit parental property equally with men.

**Minimum Wages Act:** This does not allow discrimination between male and female workers or different minimum wages for them.

**Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act:** This will make provisions that there is no sexual harassment against women at workplaces both in public and private sector.

She also explained that, both Indian Penal Code (IPC) and Code of Criminal Procedure (CrPC) have provisions to help women. While relevant sections of the IPC deal with dowry deaths, cruelty, rape, abduction and other offences, CrPC has certain safeguards such as the obligation of a man to maintain his wife, arrest of a woman by female police personnel only etc. Finally the programme ended with a oath of thanks by Dr. M. Sree Devi, Convener Women's Forum, to the resource person.

## Health camp on Hemoglobin testing in blood Conducted by K L E F Women's forum on 27<sup>th</sup> June 2020



KLEF Women's forum conducted health camp on "Hemoglobin Testing in Blood" Programme for the faculty, Staff on 27.06.20 at C Block Room no C-511 Bio-Tech Lab from 11.00AM to 01.00PM.

A hemoglobin test measures the amount of hemoglobin in your blood. Hemoglobin is a protein in your red blood cells that carries oxygen to your body's organs and tissues and transports carbon dioxide from your organs and tissues back to your lungs.

If a hemoglobin test reveals that your hemoglobin level is lower than normal, it means you have a low red blood cell count (anemia). Anemia can have many different causes, including vitamin deficiencies, bleeding and chronic diseases.

The normal range for hemoglobin is:

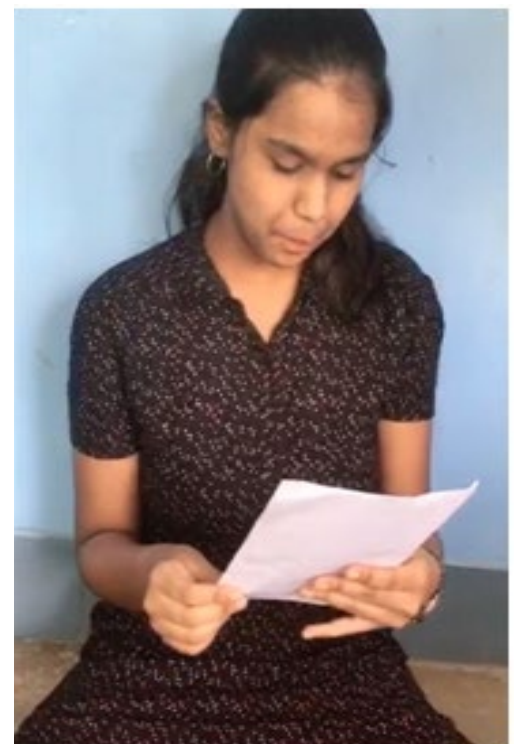
- For men, 13.5 to 17.5 grams per deciliter
- For women, 12.0 to 15.5 grams per deciliter





## Naatak-20

NAATAK-20 was held on 29th June 2020. In this connection Mono acting Competition was conducted through online. The interested students send their Mono acting videos through online. ECE Associate Professor Dr. GRK. Prasad Judged Mono acting competition on 29th June 2020. Mr. V.G.Krishna Murthy, Cultural Trainer Dramatics coordinating the competition. Dean Student Affairs Dr.Habibulla Khan, CEA Prof. Incharge Dr.P.Gopi Krishna appreciated the students.



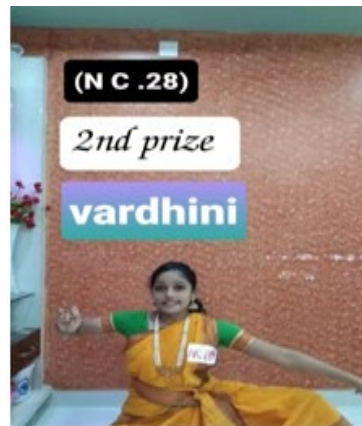
### List of Prize Winners:

Prize	Name of the Student	ID No.	Branch
1st Prize	1. A.S. Sai Priya	190010085	B.T
	2. N.C.V.J.Saamaj	190070087	M.E
2nd Prize	N.Manogna	180541094	BBA
3rd Prize	M.Lakshmi Satvika	190010033	B.T
Consolations	1. S.Vasavi Radha	190010053	B.T
	2. A. Jyothsna	190010082	B.T

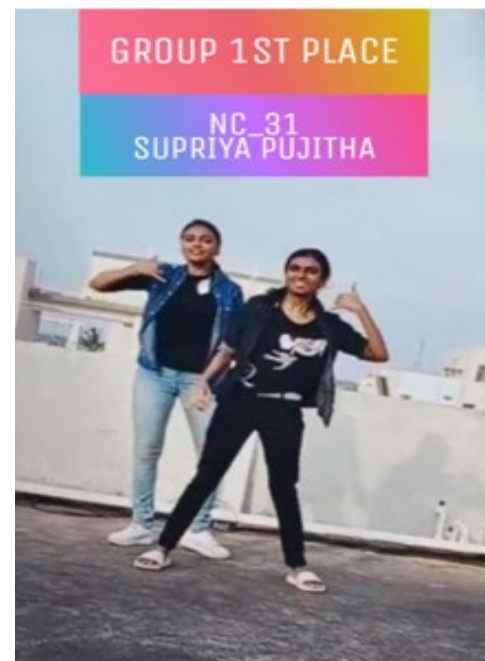
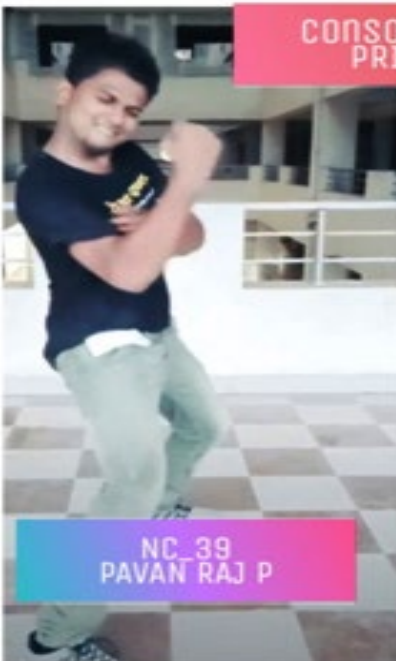
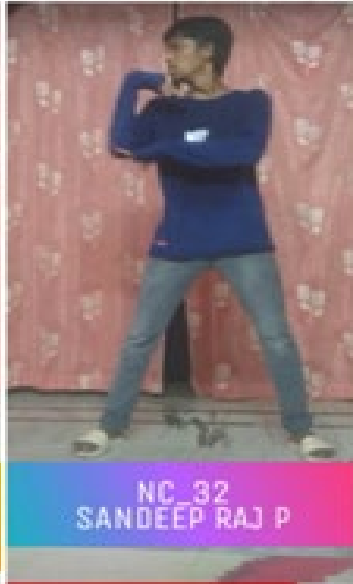


## Nrithya-20

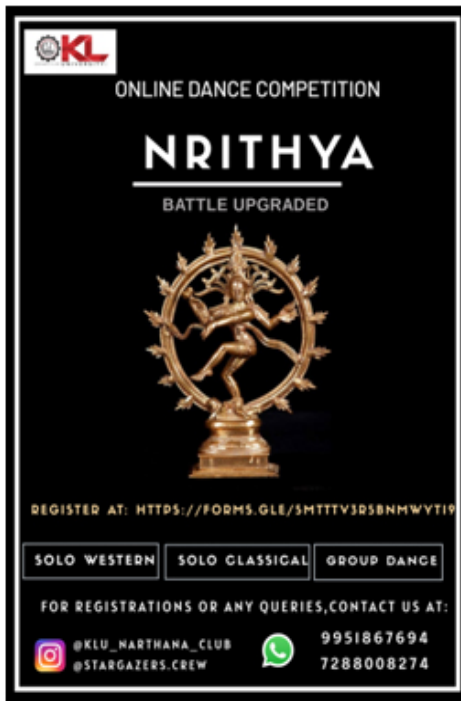
Nrithya-20 a National Level Dance Competition was held on 30th June 2020 through online. The interested students send their dance videos through online. Classical dance, Western dance, HIP-HOP competitions were conducted. Dance Master Mr. B. GOPI Judged western & HIP-HOP, Classical Dancer Ms. V.APARNA Judged Classical dance. Mr.U.Kanaka Prasad, Dance Master Coordinator the competition. Dean Student Affairs Dr.Habibulla Khan, CEA Prof. Incharge Dr.P.Gopi Krishna appreciated the students.











ONLINE DANCE COMPETITION  
**NRITHYA**  
BATTLE UPGRADED

REGISTERED AT: [HTTPS://FORMS.GLE/5MttTV3DSBNMwYt19](https://forms.gle/5MttTV3DSBNMwYt19)

SOLO WESTERN SOLO CLASSICAL GROUP DANCE

FOR REGISTRATIONS OR ANY QUERIES, CONTACT US AT:  
@KLU\_NARTHANA\_CLUB @STARGAZERS.CREW  
9951867694 7288008274



**NRITHYA 2k19-20**

*Certificate of Appreciation*

This is to certify that Mr/Mrs Padma priya of Aditya degree college has bagged 1st prize in Solo classical during the National Level Online Dance Competition NRITHYA 2k19-20 organized by K L Deemed to be University from 24th to 29th of June, 2020.

Dean of student affairs  
( Dr. Habibulla Khan )

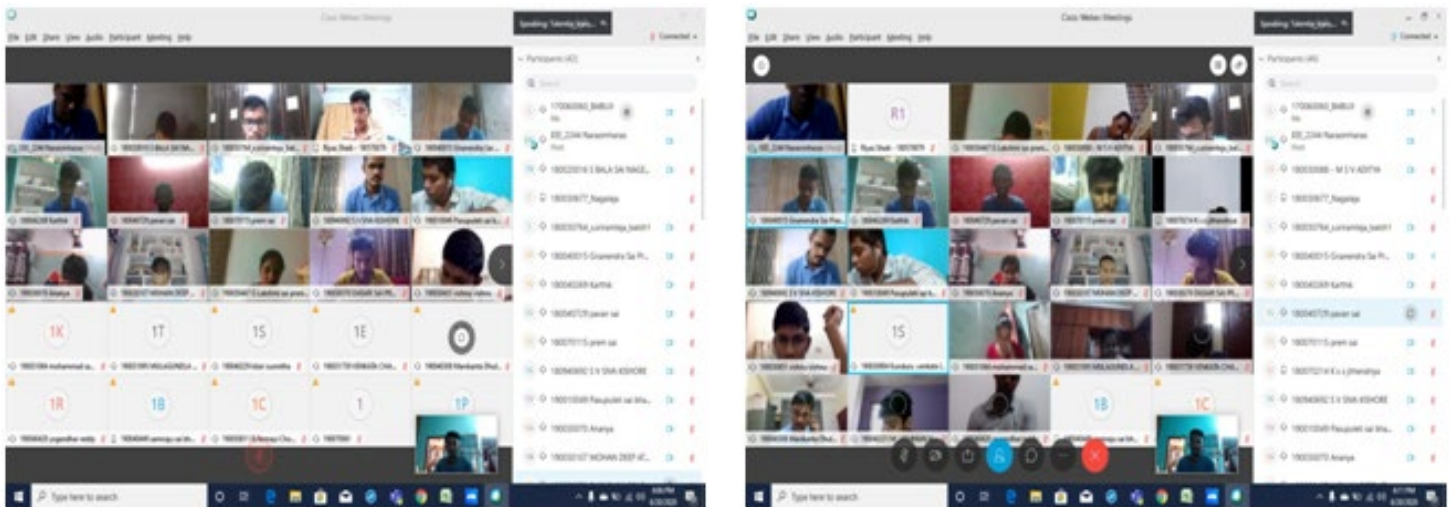
**List of Prize Winners:**

Prize	Category	Name of the Student
1st Prize	Classical	Padma Priya
2nd Prize	II	Vardhini
3rd Prize	II	Deekshitha
Consolation	II	1. Vineela 2. Rasagna
1st Prize	HIP-HOP	Sandeep Raju
1st Prize	Westran	Ramana
2nd Prize	II	Varun Marda
3rd Prize	II	1. Lakshmi Kalyani 2. Ranga Swami
Consolation	II	1.Pavan Raju 2.Sayed Abbas
1st Prize	Westran Group	1.Supriya 2.Pujitha



## Essay Writing Competition Date: 20/06/2020, Venue: Klef

As per the instruction of Dean Student Affairs and Commanding Officer tenali , NCC Unit KLEF conduct event online essay writing competition topic on "Whether we ban china products or compete with china" on 20/06/2020 from 6:00 PM to 07:00 PM. In this event total of 59 cadets are participated. This test conduct online through WebEx link and scanned document are uploaded in the given Google form. Here are the students are participated in the event.



## International Yoga Day Date: 21/06/2020, Venue: Klef





## Guest Lecture: Turn Your Obstacles Into Opportunity Date:

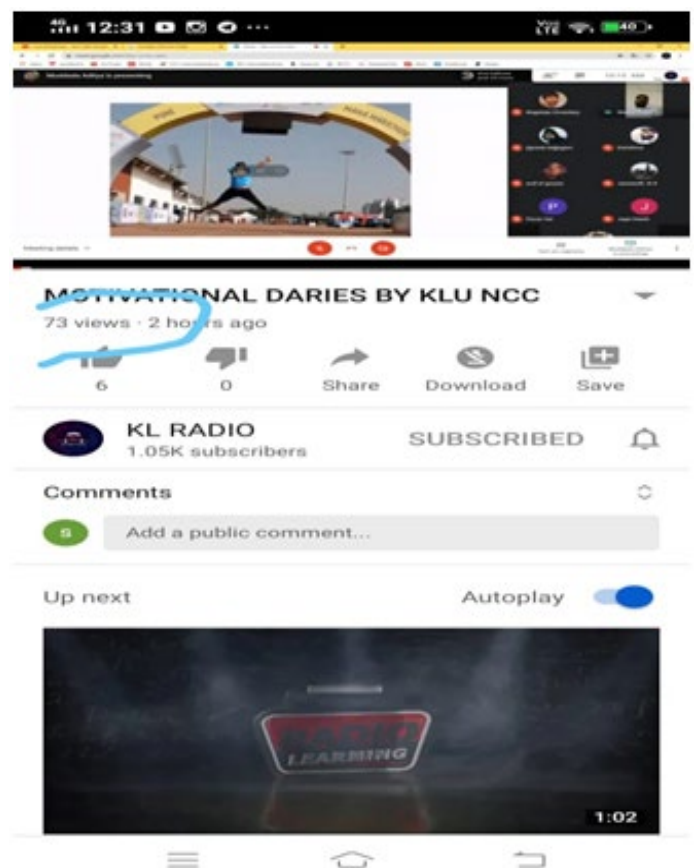
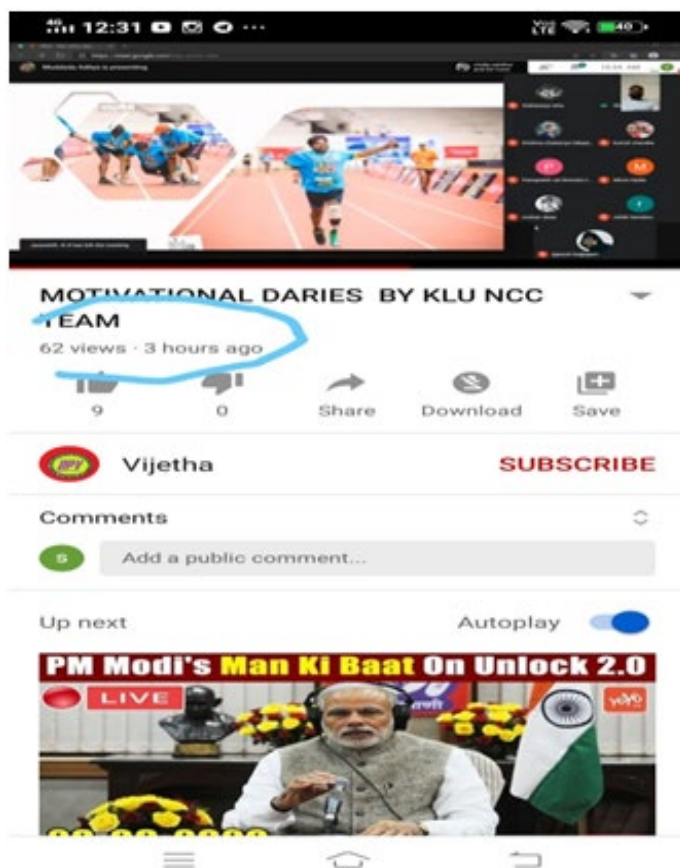
28/06/2020, Venue: Klef

As a part of events to be conducted in the academic year AY 2020-21, NCC Unit KLEF conducted a guest lecture by eminent speaker by Sekhar Goud working in medical sector in Hyderabad who was first Indian Triple amputee to scale Mt. Elbrus in Russia. He delivered lecture on his own life and how to overcome problems in life and lectured on youth facing problem in smoking and drugs culture. This lecture conducted on Sunday and event starts from 10:00 AM to 12:00 PM. This event conducted on Google Meet and the same given you tube live stream and live Instagram. Total of 190 cadets and other participants are joined this lecture.



### Highlight points in this guest lecture:

1. About Life of Speaker how he overcome his life after he meet with accident
2. How he utilize every opportunity
3. Tips and suggestion how to go for mountneering event
4. Benefits by participating on long run marathon, trekking and road bicycle etc
5. Motivate to youth how to overcome pressure , tension
6. Motivation to youth how to overcome against smoking and drug addicts







## Corona Prevention Date: 02/04/2020, Venue: KLEF

Description of the Event:

As a part of spreading the awareness to contain the spread of the pandemic, we at KLEF-CEA conducted a drawing competition on 02/04/2020 where the measures that has to be taken to break the chain has been visualized pictorially.

Benefits:

- By participating in this event children had the opportunity to educate themselves about the precautionary measures to be taken against COVID-19. Sharpens their creativity.

No. of Volunteers Attended For The Event: 43



## Migrant Workers Date: 19/05/2020, Venue: Klef

Description of the Event:

Dept of EEE, of KL Deemed to be University lent a helping hand to the stranded migrant laborers who are unable to go to their hometowns amid the nationwide lockdown. Dept of EEE went to the area where the migrant laborers are staying on 19/05/2020 and distributed food along with other essentials.

1. No. of Volunteers Attended For The Event: 20

2. No. of faculty Attended For The Event: 18





# Lend A Hand Date: 29/05/2020, Venue: Vijayawada

Description of the Event:

Recognizing the plight of the migrant workers who've been stuck up amid the COVID-19 nationwide lockdown, Dept of CSE has come forward and distributed food and essentials to the migrant workers who are struggling to make their ends meet.

1. No. of Volunteers Attended For The Event: 20

2. No. of faculty Attended For The Event: 20





**Anti Child Labour Day** Date: 12/06/2020 To 14/06/2020 , Venue: Klef

Description of the Event:

On the World Day against Child labor, KLEF-CEA had done the competitions like Elocution, Essay Writing, Drawing, Mock Parliament, Spell bee on the theme of the prohibition of child labor. Though the times are getting tougher, we didn't stop going. We've successfully conducted the competitions through ZOOM meetings, where we had the chance to track the happenings virtually.

Benefits:

- In the process of participating in these competitions children will educate themselves on the existing child labour laws.
- Essay writing competitions helps in the structural expression of their perceptions on the theme given.
- Elocution competitions eradicate their hesitation of public speaking and sharpen their narrative skills.
- Mock Parliament develops analytical skills thereby indulging children more in on-point conversations.

No. of Volunteers Involved For The Event: 30

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**ONLINE EVENTS** 12<sup>th</sup>-14<sup>th</sup> June 2020

- Elocution 12<sup>th</sup>
- Drawing 13<sup>th</sup>
- Spell Bee 14<sup>th</sup>
- Essay Writing 13<sup>th</sup>
- Mock Parliament 12<sup>th</sup>

Register here <https://bit.ly/SCLFORM>

contact P. Sai Pranathi : 7981156679  
V. Sai Sahithi : 951587337

Certificate will be provided

cea@kluniversity.in @klef

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**ELOCUTION**

12<sup>th</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

Contact: Santosh- 9818335447  
Durga Prasad- 982347903  
Uma Srinivas- 9966487775

Registration Link <https://bit.ly/SCLFORM>

cea@kluniversity.in @klef

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**Mock Parliament**

12<sup>th</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

Contact: Swarna-6203487223  
Geethangal-7382493253  
Sowmya-9346932623

Registration Link <https://bit.ly/SCLFORM>

cea@kluniversity.in @klef

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**ESSAY WRITING**

13<sup>th</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

Contact: Kinan- 9898702910  
Ravi Teja- 98833376-449

Registration Link <https://bit.ly/SCLFORM>

cea@kluniversity.in @klefcea

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**DRAWING COMPETITION**  
(Painting, Pencil Art, Poster)

13<sup>th</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

Contact: Tejari- 9948900455  
Dev Sri- 93837994

Registration Link <https://bit.ly/SCLFORM>

cea@kluniversity.in @klefcea

**CENTRE FOR EXTENSION ACTIVITIES**  
**STOP CHILD LABOUR**  
The Unexpressed pain of child

**SPELL BEE**

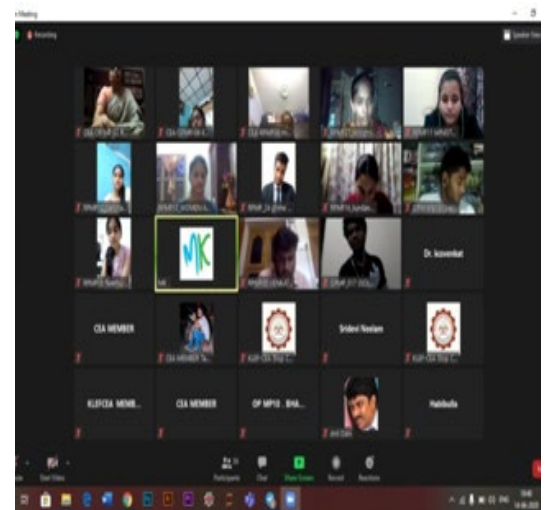
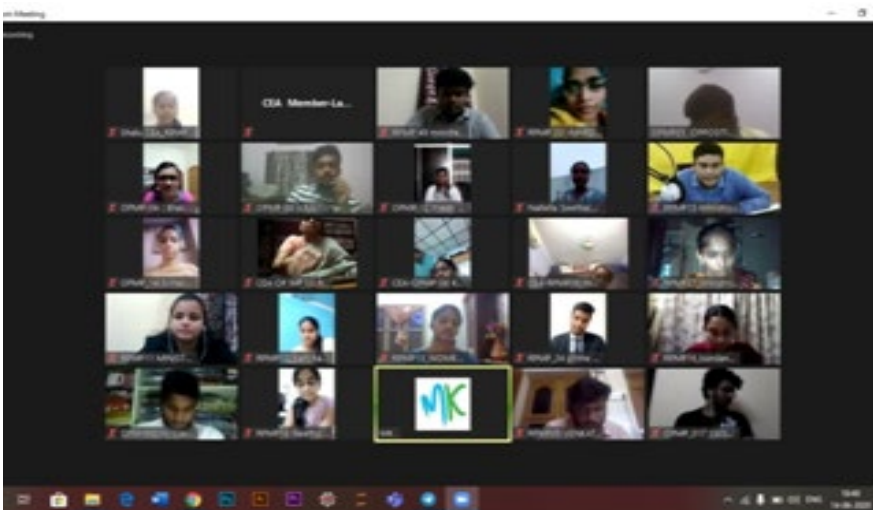
14<sup>th</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

Contact: Tejari- 9948953233  
Sorvari- 9100982888

Registration Link <https://bit.ly/SCLFORM>

cea@kluniversity.in @klefcea



## International Day Against Drug Abuse & Illicit Trafficking

Date: 29/05/2020, Venue: Vijayawada

Description of the Event:

Drug addiction and Illicit Trafficking is turning out to be an epidemic in India. We often hear news about how these young addicts are ruining theirs as well as others lives. June 26th is observed as the international day against drug abuse and illicit trafficking as an expression of determination to strengthen action and cooperation to achieve the goal of a society that is free from the chains of drug abuse.

KLEF-CEA organized a webinar session conducted by motivational speaker Mr.Venu Kalyan regarding how the usage of drugs is ruining the lives of present day youth.

Benefits:

- Mr. Venu Kalyan has clearly described with relevant examples on how these drugs are playing with the minds of the present-day youth.
- Golden statements mentioned by Mr. Venu Kalyan that are to be remembered in all walks of life, had left a strong impact on the participants.

No. of Volunteers Involved For the Event: 200



**CENTRE FOR EXTENSION ACTIVITIES**

Webinar on  
**INTERNATIONAL DAY AGAINST  
DRUG ABUSE**  
&  
Illicit Trafficking

DATE: 26/06/2020  
TIME: 4:00 PM

**SAY  
NO TO  
DRUGS!**

Mr. Venus Kalyan  
Life Coach  
From  
UNIK LIFE Pvt. Ltd.

CONTACT:  
G.KARTHIK-9988054312  
V.THARUN-9988056622

**IF YOU WANT TO  
BIG  
STOP THINKING**

Mr. Venus Kalyan was born and brought up in Hyderabad, India. He completed his schooling at St. Joseph's, then at Great City College, Degree in Little Flower and BBA in Osmania University, Hydr.

Mr. Venus Kalyan is an entrepreneur, philanthropist and the nation's No.1 Life coach. CEO & FOUNDER OF "UNIK LIFE" IS MR.VENUS KALYAN.



**Golden Statement**

Implementation of Information  
Leads to Transformation!

4 Golden Words To Remember

**Come On!  
Move On!**

**5 THINGS TO KEEP IN MIND**

1. HEAR
2. UNDERSTAND
3. MEDITATE
4. DIGEST
5. APPLY

**WHERE TO INVEST YOUR  
MONEY IN YOUR 20'S**

- INVEST IN BOOKS
- INVEST IN COURSES
- INVEST IN GOOD FOOD
- INVEST IN KNOWLEDGE
- INVEST IN EXPERIENCE
- INVEST IN YOURSELF

**DRUG ABUSE**

DATE: 26/06/2020  
TIME: 4:00 PM  
Continues will be provided

**SAY  
NO TO  
DRUGS!**

CONTACT:  
G.KARTHIK-9988054312  
V.THARUN-9988056622

**పరిశ్రమలను విడిచి వినూత్న విధానాల పునరుద్ధరణ**

పరిశ్రమలను విడిచి వినూత్న విధానాల పునరుద్ధరణ అనేది ప్రస్తుత కాలంలో మనకు ఎదురవుతున్న ఒక పెద్ద సవాలు. ప్రస్తుత కాలంలో మనకు ఎదురవుతున్న ఒక పెద్ద సవాలు. ప్రస్తుత కాలంలో మనకు ఎదురవుతున్న ఒక పెద్ద సవాలు.





(DEEMED TO BE UNIVERSITY)



DEPARTMENT OF  
BIO TECHNOLOGY



## University Level Events:

### Research Publications

S. No	Title of paper	Name(s) of the author(s)	Name of Journal	Journal Type	ISBN/ISSN number	Indexing (SCI, Scopus, ect..)	Impact Factor	Month/ Date of publication
1	Structural and simulation analysis of hot spot residues interactions of SARS-COV2 with human ACE2 receptor	Ganesh, Thunuguntla, Singh	Biomolecuar Dynamics	International	0739-1102	SCI	2.6	May-20
2	Delving into Eukaryotic origins of replication using DNA structural Features	Rajesh, Vanaja, Umasankar, aditya	ACS	International	09879-4587	SCI	2.5	Jun-20
3	Zn dependent changes in oxidative and endoplasmic reticulum stress during cardiomyocute hypoxia	Bodiga, Vemuri, Greshma	Biological Chemistry	International	05497-8797	SCI	3.2	Jun-20
4	Structural and simulation analysis of mammalian receptors with flu viral receptors	Bodiga, Vemuri, Greshma	International Journal of Life science and pharma reviews	International	2250-0480	SCI	3.1	Jun-20

5	Gelatin and starch based phase separated hydrogel formulations for controlled drug delivery	Kunal, Bhisham, Sarda	Food, Medical, and Environmental applications of Polysaccharides	International	2548-8794	SCI	2.5	Jun-20
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**B. Workshops/Seminars / Guest lectures**

S.No	Name of the Guest & Address	Topic / Theme	Date	No of Student participants	No of Faculty participants
1	Dr.V.R.Gogineni	Caervical cancer-Implications	14/03/2020	218	22
2	Dr. Anand Soshee	Enterprenuer skills in Biotechnology	14/03/2020	218	20
3	Dr. MRK Raju	Sanofi Santha Biotechnics for vaccine production	14/03/2020	212	21

**Webinars – Students**

S. No	Date	Time	Title of WEBINARS	Name of the resource Person / organisation	List of the students participated	List of the Faculty/Staff participated
1	14/5/20	11.30-12.30 PM	Host T-cells and miRNA role in COVID-19	Dr.Amar Verma	110	21
2	20/5/20	4-5PM	Carving path in the multidisciplinary path of Biotechnology	Dr.Monica	105	19
3	21/5/20	12 to 1PM	Role of non neutralizing antibodies against viral infections	Dr. Diana	56	20
4	23/5/20	12-1 PM	Career guidance for beginners -Challenges and Opportunities in Life Sciences	Dr.Naresh Thatikonda	112	20
5	27/5/20	1.30 to 3PM	Biotechnology as career option	Dr.J.Sreenivasa Rao	101	19
6	06-01-20	3-4PM	Startup Opportunities in Biotechnology	Dr.Zahoorullah S MD	103	20
7	06-04-20	2.30-4.30 PM	Antarctic Research: Experience, Expectations, and Opportunities	Dr.Japareng Lalung	120	20

*News Paper*



*Clippings*



## Guest Lectures Conducted

S.no	Event - Guest Lecture	Date(s)
1	PSIM for Power electronics and Renewable energy Applications	March 5 & 6, 2020
2	MATLAB for Fuzzy logic and AI	March 5 & 6, 2020
3	AR and VR workshop	March 5 & 6, 2020
4	Guest Lecture by Mr. K. Komal Praneeth, Executive Engineer Continental Automotive, Bangalore on "Electronic Control Unit of vehicle"	On 23-5-2020 from 11 AM to 12:30 PM
5	Alumni Webinar by Noel Richard Merritt, IIT Kharagpur, Performance and Control of Renewable Energy fed Micro grid under unbalanced and Non Liner conditions	1st to 3rd June 2020 10.00 AM to 11.00 AM

### Conducted Project Expo:

- Department of EEE conducted project expo on March 5th & 6th 2020. In this expo all the final year students exhibited their project work. III Year and II Year students exhibited their innovate ideas in the form of hardware kits.

### Faculty Achievements:

- Mr. M. Sai Krishna Reddy, Assistant Professor acted as resource person for the workshop on "PSIM for Power electronics and Renewable energy Applications" during National level technical festival "SPARK" conducted by department of EEE, KLEF.
- Mr. K.P Prasad Rao , Assistant Professor acted as resource person for the workshop on "MATLAB for

Fuzzy logic and AI" during National level technical festival "SPARK" conducted by department of EEE, KLEF.

- Mr. D. Kalyan , Assistant Professor acted as resource person for the workshop on "Augment Reality and Virtual Reality" during National level technical festival "SPARK" conducted by department of EEE, KLEF.

### Live Webinars Conducted:

- Department of EEE conducted Webinar Series on topic "Challenges in Micro grid Protection" Resource Person: Dr. S V N L Lalitha, Professor & HoD, Dept. of EEE, K L E F on May 6th & 7th 2020.
- Department of EEE conducted Webinar Series on topic "Challenges in Restructured Power Systems"



Resource Person: Dr. P Srinivasa Varma, Associate Professor, Dept. of EEE, K L E F on May 8th & 9th 2020.

3. Department of EEE conducted Webinar Series on topic "Design of Power Switched Converters for Renewable Energy Applications" Resource Person: Sri. M Sai Krishna Reddy, Assistant Professor, Dept. of EEE, K L E F on May 10th & 11th 2020.
4. Department of EEE conducted Webinar Series on topic "Battery Management System" Resource Person: Dr. K Narasimha Raju, Professor, Dept. of EEE, K L E F on May 12th & 18th 2020.
5. Dr. J. Somlal, Professor acted as resource person for one day webinar series on "Guidelines on preparation of Research Project Proposals" conducted by department of EEE, KLEF.

#### Faculty Acted as Resource Persons:

1. Dr. S V N L, professor & Head acted as resource person for one day webinar " Virtual labs for Science and Engineering " conducted by IEEE on 4th April 2020.
2. Dr K Narasimha Raju, Professor acted as resource person for one day webinar " Research Opportunities in Power Engineering-(ROPE)",CMR College of Engineering and Technology, Hyderabad on 22nd April 2020.
3. Dr P Srinivasa Varma, Associate Professor acted as resource person for one day webinar "Research Opportunities in Power Engineering-(ROPE)",CMR College of Engineering and Technology, Hyderabad on 26th April 2020.
4. Dr B Loveswara Rao, Professor acted as resource person for one day webinar on "Virtual lab for Electrical Machines", Srinivasa Ramanujan Institute of Technology on 8th April 2020.
5. Dr P Srinivasa Varma, Associate Professor acted as resource person for one day Webinar on Research Challenges in Electrical Engineering- RCEE-2020,RAMACHANDHRA COLLEGE OF ENGINEERING, ELURU on 21st May 2020.
6. Dr A Pandian, Professor acted as resource person for one day Webinar on Research Challenges in Electrical Engineering- RCEE-2020,RAMACHANDHRA COLLEGE OF ENGINEERING, ELURU on 23rd May

2020.

7. Dr K Narasimha Raju, Professor acted as resource person for one day Webinar on Role of Battery Management System for Electric Vehicle, VNRVJT, Hyderabad, on 13th June 2020.
8. Dr A Pandian, Professor acted as session chair in National Conference on Emerging Trends in Engineering (NCETE-2020), GEETANJALI INSTITUTE OF SCIENCE & TECHNOLOGY on 14th June 2020.

#### Industry Connect Program:

1. Department of EEE is organizing a industry connect programme - industrial Pro Talk arranged by Dr.K.Rajasekhar, Director , Corporate Strategy for the benefit of EEE students during 11.10 am to 12.50 Noon on 11-03-2020.. Resource Person: Mr.N.Rajeev, Design Engineer -Technical, Schneider Electric

#### Faculty Development Programs conducted by Department :

1. A ten day FDP on "Python for Control Systems Applications" from 2-5-2020 to 12-5-2020 conducted by conducted by department of EEE, KLEF. Mr. M. Naga Chaitanya, Mr. D. Kalyan and Mr. S. Ravi Teja acted as resources persons for the FDP. During FDP Control systems Lab related experiments are conducted using Python programming tools and prepared new manual.
2. A ten day FDP on "Python for Power Electronics" from 13-5-2020 to 23-5-2020 conducted by conducted by department of EEE, KLEF. Dr. K. Narasimha Raju, and Mr. M. Sai Krishna Reddy acted as resources persons for the FDP. During FDP Power Electronics Lab related experiments are conducted using Python programming tools and prepared new manual.

#### Patents Published by Faculty:

1. K Sarada, Associate Professor published a patent entitled Self-Balance Scooters: Self-Balance Electric Scooters In Double Shaft Driving Controlled By User Mobile with patent number: 202041023567.
2. Dr. A Pandian, Professor and Dr. P Srinivasa Varma, Associate Professor published a patent entitled Wristwatch Based Health Monitoring System with patent number : 202041012393



DEPARTMENT OF  
COMPUTER  
SCIENCE &  
ENGINEERING



## Department Level Activities:

Engineering, KLUBS, Hotel Management, Commerce, CAM

A. Conferences B. Workshops/Seminars /Guest lectures

1. Dr C.M. SHEELA RANI, Professor, CSE Professor from CSE have delivered an orientation lecture on "ML Algorithms in Speech processing" on 30/05/2020,
2. Dr. Moulana Associate Professor from CSE have delivered an orientation lecture on "ENVISIONING DATA FOR FINDING MEANINGFUL INSIGHTS" on 12/06/2020,
3. Mr. K.Yellaswamy, Assistant Professor has delivered an orientation lecture on "NP-complete Problems and Physical Reality" on 19/06/2020,
4. Dr. K.V.Prasad Professor from CSE have delivered an orientation lecture on "IOT in Security" on 26/06/2020

C. Faculty Achievements

1. P.V.Vara Prasad Assistant Professor of CSE department has been awarded Instructor Excellence Award for Year 2019 from CISCO Network Academy on 06.06.2020
2. Ch.Mohan Kumar Assistant Professor of CSE department has been awarded Instructor Excellence Award for Year 2019 from CISCO Network Academy on 06.06.2020

D. Student Achievements /External participation

F. Webinars – Students

1. Anette Kolmos & Lykke Brogaard Berte Aalborg University, Denmark delivered the webinar on

"Problem-based Megaprojects: Complex problem-solving competences and interdisciplinarity in higher education" that was organized by CSE on 06/05/2020.

2. Professor Xinjie Yu Department of Electrical Engineering Tsinghua University, China delivered the webinar on "Online Teaching: Challenge, Technique, and Opportunity" that was organized by CSE on 13/05/2020
3. Michael P Ciuchta Associate Professor in the Department of Marketing, Entrepreneurship & Innovation University of Massachusetts Lowell delivered the webinar on "Entrepreneurship Team Building and Management " that was organized by CSE on 13/05/2020.
4. Dr. Janardhanan Gangathulasi Associate Professor Civil and Environmental Engineering Head of Centre for international Affairs National Institute of Technical Teachers Training and Research Chennai delivered the webinar on "TECHNOLOGY INFUSED LEARNING SPACE Is it Doing Things Better or Doing Better Things" that was organized by CSE on 14/05/2020
5. Prof. Sam Anand & Prof. Jay Kim University of Cincinnati delivered the webinar on "Siemens Simulation Technology Center: Innovation in Engineering Education, Applied Research and Industry Outreach through the use of Modern Simulation Technologies" that was organized by CSE on 15/05/2020
6. Dr. Sachin Subhash Patil Rajarambapu Institute of

Technology Rajaramnagar MH delivered the webinar on "Online Tools/Utilities to Keep the Online Sessions More Interactive & Engaged Smartly " that was organized by CSE on 19/05/2020

7. Bettina Dahl Aalborg Centre for Problem Based Learning in Engineering, Science and Sustainability under the auspices of UNESCO delivered the webinar on "A Problem-Based Learning and Mathematics at University" that was organized by CSE on 20/05/2020
8. Dr. S. A. Thorat and Prof. D. P. Kshirsagar Rajarambapu Institute of Technology Rajaramnagar MH delivered a "Effective Conduction of Online Lectures using ZOOM" that was organized by CSE on 21/05/2020
9. Dr. Leo Joseph S..R. Engineering College Warangal, TS, India delivered the webinar on "EFFECTIVE USAGE OF TOOLS IN ONLINE EDUCATION" that was organized by CSE on 22/05/2020
10. Dr. Dhruv Chandel MathWorks India delivered the webinar on "Accelerating Computations using MATLAB and Simulink" that was organized by CSE on 26/05/2020
11. Dr. Jacqueline El-Sayed Chief Academic Officer American Society for Engineering Education. delivered the webinar on "Designing an Online Entrepreneurial Experiential Learning Internship" that was organized by CSE on 27/05/2020
12. Tony Gao, Ph.D associate professor Department of Marketing, Entrepreneurship, and Innovation the Manning School of Business University of Massachusetts Lowell. delivered the webinar on "CRM: Teaching Students how to Acquire, Retain and Grow Customers " that was organized by CSE on 27/05/2020
13. Dr. K C Narasimhamurthy Professor, Siddaganga Institute of Technology, Tumkur, India delivered the webinar on "Experiential Learning Using Ultra Concurrent Remote Laboratory" that was organized by CSE on 29/05/2020
14. Aida Guerra Associate Professor, Problem-Based, Project-Organised Learning (PBL) Engineering Education for Sustainable Development Department of Planning Aalborg University, Denmark delivered the webinar on "PBL, Sustainable Development Goals and Engineering Education: Promises and Challenges"

that was organized by CSE on 03/06/2020

## G. Research

### Publications:

1. Harikrishna Pydi, T.Pavan Surya, K.Akhil Kumar, Y.B.Manishankar published a paper entitled "Joint Minimization Of Energy Costs From Computing, Data Transmission, And Migrations In Cloud Data Centers" in INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH – Scopus Indexed ISSN: 2277-8616
2. J Rajendra prasad, S Sai kumar, T.Santhisree published a paper entitled "Characteristics Vulnerabilities of Districts of Andhra pradesh" in International Journal of Innovative Technology and Exploring Engineering (IJITEE) – Scopus Indexed ISSN: 2278-3075
3. Nikhat Parveen, Arpita Roy, D. Sai Sandesh, J.Y.P.R.Sai Srinivasulu, N.Srikanth published a paper entitled "Human Computer Interaction Through Hand Gesture Recognition Technology" in INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH – Scopus Indexed ISSN: 2277-8616
4. M sridevi published a paper entitled "Risk feature aware accurate heart disease prediction system using fuzzy extreme learning machine" in Journal of advanced research in dynamical and control systems – Scopus Indexed
5. C Karthikeyan published a paper entitled "Deep Learning on Security Hazards of Two Wheeler's in TEST engineering & Management – Scopus Indexed ISSN: 0193-4120
6. C Karthikeyan published a paper entitled "Recognition of linearly oriented hand written characters using k-nearest neighbor" in International Journal of Advanced Science and Technology – Scopus Indexed
7. Rudra Kalyan Nayak, Ramamani Tripathy, Saravanan V, Siva Shankar S, Priti Das published a paper entitled "A Novel Strategy for Prediction of Cellular Cholesterol Signature Motif from G Protein-Coupled Receptors based on Rough Set and Fuzzy C Means Algorithm" in International Conference on Computing Methodologies and communication – Scopus Indexed
8. Sunanda Nalajala, Lingala Tiripathi, N L Pratap published a paper entitled "IMPROVED ACCESS PROTECTION OF CLOUD USING FEEDBACK AND DE

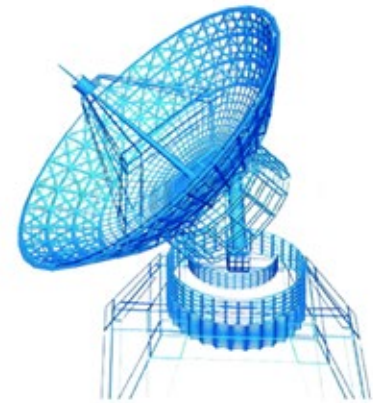


DUPLICATION SCHEMES" in Journal of Xion university of Architecture and Technology – Scopus Indexed

9. P. Bhagya Lakshmi, K. Thirupathi Rao published a paper entitled "To Forecast Future Stock Data Points by Using Machine Learning, Deep Learning and NLP" in International Journal of Advanced Science and Technology – Scopus Indexed ISSN: 7704 -15
10. Ratnmala Nivrutti, Manda Rama Narasingarao published a paper entitled "AgriRobot: implementation and evaluation of an automatic robot for seeding and fertiliser microdosing in precision agriculture" in Int. J. Agricultural Resources, Governance and Ecology – Scopus Indexed
11. Ratnmala Nivrutti, Manda RamaNarasingarao published a paper entitled "Alternative approaches of Machine Learning for agriculture advisory system" in International Conference on Cloud Computing, Data Science & Engineering – Scopus Indexed
12. Sunitha Bulla, J Nageswararao, Radha Mothukuri published a paper entitled "Analysis of Unsupervised Dcretization Methods Impact on C4.5 classification" in International Journal of Advanced Science and Technology Scopus Indexed ISSN: 2005-4238
13. Manikandan J published a paper entitled "Medical Image fusion using otsu's cluster based thresholding relation" in Springer Lecture notes on Data Engineering and Communications Technologies – Scopus Indexed
14. Praneeth Cheraku, Sarada Korapati, B Naga Sudheer published a paper entitled "Advance Intrusion Detection System using Genetic Algorithm (AIGA) in the Distributed Wireless Sensor Network" in International Journal of Advanced Science and Technology – Scopus Indexed

#### H. Projects/Patents:

1. Dr. Yellamma Pachipala applied for a project with title "An Efficient Chaotic Hash Integrity based Privacy-Preserving Access Control of Multimedia Data in Cloud Computing" under Science and Engineering Research Board (SERB), Govt. of India for 22,79,390.
2. Dr. Pragnyaban Mishra applied for a project with title "Investigating impact of draught in western Odisha and proposing precautionary measure through Artificial Intelligence and Machine Learning Algorithms" under Ministry of Earth Science for 24,98,900
3. Dr. KOLLA BHANU PRAKASH applied for a project with title "International Conference on Intelligent and Smart Computing in Data Analytics (ISCDA)" under Science and Engineering Research Board (SERB), Govt. of India for 3,00000
4. Dr. KOLLA BHANU PRAKASH applied for a project with title "A Telugu Sign Language Translation Recognition using Deep Convolution Neural Networks" under Science and Engineering Research Board (SERB), Govt. of India for 56,61,200
5. Dr. KOLLA BHANU PRAKASH applied for a project with title "Advanced Deep Learning Approaches for User Response Prediction in Social Media Advertising" under Science and Engineering Research Board (SERB), Govt. of India
6. Dr. KOLLA BHANU PRAKASH applied for a project with title "Development of Novel Machine Learning and Data Analytics framework for finding optimal solution for Energy Consumption and Demand Response in Smart Grids" under SPARC for 1,0000000
7. Dr. KOLLA BHANU PRAKASH applied for a project with title "Design and Implementation of Smart grid Emulator Testbed" under AICTE - RPS for 21,45,500
8. Dr.M.Nageswara Rao applied for a project with title "Prediction of land cover change and future trends using time series satellite data A Data Mining Approach" under SERB for 19.83lakhs
9. Dr.Siva Nageswara Rao applied for a project with title "CNN Based automated vehicle parking system for economized" under integrated technology interventions for sustainable environments( ITISE) TPN/54265 for 46.09lakhs
10. Debnath Bhattacharya applied for a project with title "Diagnosis of Erythrocytes infected with Malaria Parasite using Microscopic Images" under SERB for 67.16lakhs
11. Dr. K V D KIRAN published a patent with title "IOT AND BLOCKCHAIN-ENABLED SMART E-VEHICLE CHARGING SYSTE" on 05/06/2020
12. Mrs. M KAVITHA published a patent with title "SYSTEM AND METHOD FOR EARLY DETECTION OF BREAST CANCER USING INTERNET OF THINGS" on 12/06/2020



## Faculty Orientation Lectures

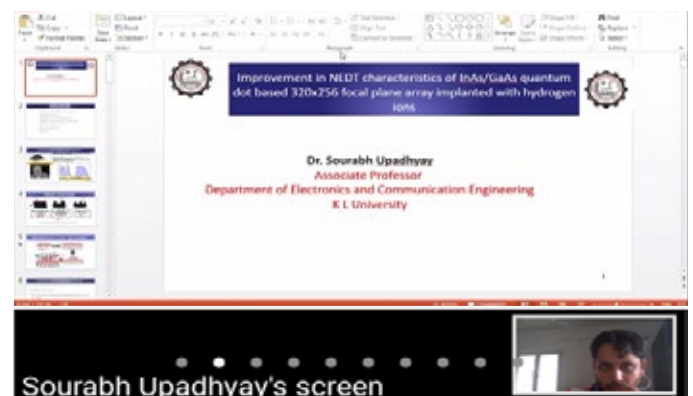
### Topic: "Comparison of Microwave filters and their design issues."

The Resource speaker was Dr. Deepak Kumar Nayak, Associate Professor, working in the Department of ECE. In this talk, he addressed a brief review of Microwave filters and their design issues in real-time practices. The lecture explains various types of filters namely analog filters: a low pass filter (LPF), high pass filter (HPF), bandpass filter (BPF), and a band reject (notch) filter. It has been realized that the RF filters are a key component in practically any signal chain. The mathematical problems encountered in the procedure are solved by numerical and symbolic computations. These devices essentially consist of an electrical network that discriminates the amplitude and phase characteristics of a signal with respect to a certain frequency range.



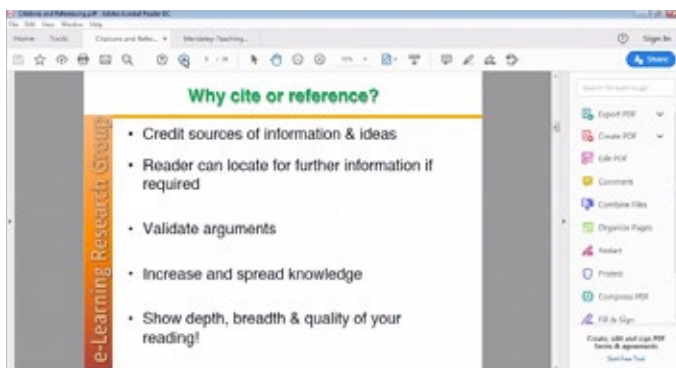
### Topic: "Improvement in NEDT characteristics of InAs/GaAs quantum dot based 320x256 focal plane array implanted with hydrogen ions"

The Resource speaker was Dr. Sourabh Upadhyay, Associate Professor, working in the Department of ECE. In this talk, he addressed a brief review on improvement in NEDT characteristics of InAs/GaAs quantum dot based 320x256 focal plane array implanted with hydrogen ions. demonstrate two times enhancement in NEDT response of InAs/InGaAs/ GaAs dot-in-the-well (DWELL) structure implanted with hydrogen ions of 3 MeV energy and  $5 \times 10^{12}$  ions/cm<sup>2</sup> fluence. Low temperature photoluminescence study shows emission peak at 1130 nm which corresponds to ground state transition between conduction to valence band. PL enhancement is observed in all hydrogen implanted samples indicating the passivation of defects/ dislocations in the vicinity of QDs and surrounding layer. The NEDT parameter, which represents minimum temperature difference that FPA based camera can resolve, improved from 239 mK (as-grown) to 129 mK (implanted sample).



## Topic: "Citation and Referencing in Technical Report writing using Mendeley"

The Resource speaker was Dr.NPhalguni Singh, Assistant Professor,, working in the Department of ECE-. The session started with formal invitation followed by a welcome address.In this talk, he addressed a brief review on Mendeley which can help you be more organized with and format your references while writing a technical paper or report. It is a free, simple plugin that allow to quickly and easily insert styled citations to reference materials from the Mendeley Library and automatically generates a bibliography for your paper using all the materials you've cited. The faculty are encouraged its efficient use and benefits reducing the time and manual works while preparing the journal papers. It involves a hands-on demonstration on its use with examples.



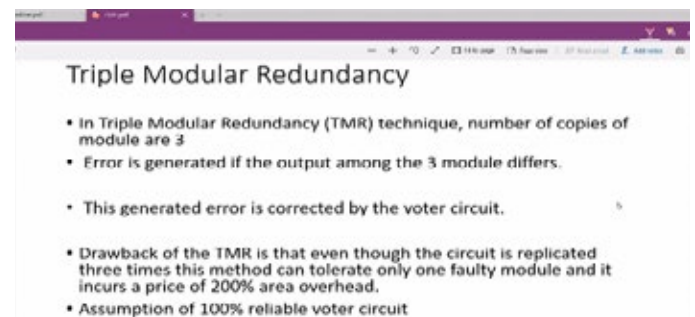
## Topic: "Development of AI system for industrial applications"

The Resource speaker was Dr.B.Polaiah, Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on Industrial AI can be embedded to existing products or services to make them more effective, reliable, safer, and to enhance their longevity. His lectures suggestsartificial intelligence, or AI,has returned to the public consciousness in a big way. The lecture reviews current and future applications of ArtificialIntelligence (AI) and Knowledge-Based systems to manufacturing. The main focus was on focuses on where, at eachpoint in the product life cycle, there are problems to be solved,where AI is currently being applied, and where it may be applied in the future



## Topic: "Improving reliability in VLSI circuits"

The Resource speaker was Dr.S.Rooban, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on Reliability can be improved by redundant techniques. The various method is triple modular, N modular techniques. We have discussed how can we increased reliability by 4 modular techniques with tradeoff in area and cost. It is realized that previously, there has been significant contributionsto increasing the reliability of VLSI designs, however such techniques are often computationally expensive or power intensive.While previousresearch efforts found are directed towards reducing variation effects, the recent technique offersan alternative approach to adapt dynamically to variation effects.



## Topic: "Hopfield network"

The Resource speaker was Dr.G.Naveen Kishore, Associate Professor,, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on Hopfield network which is a recurrent form of artificial neural network. It provides a model for understanding human memory. It is a typical recurrent fully interconnected network in which every processing unit is connected to all

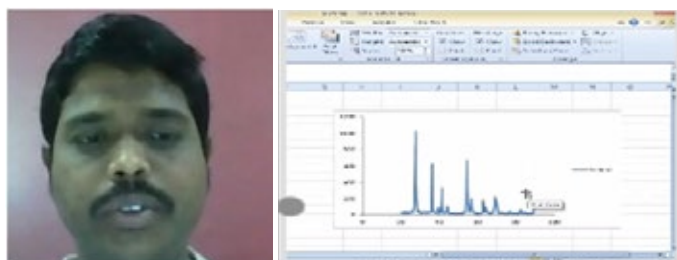


other units. In brief, the configuration of a Hopfield network is called stable if no neuron can change its state anymore. The Autonomous recurrent networks were exemplified by the Hopfield network and brain-state-in-a-box (BSB) model.



**Topic: "Increasing the quality of images in research paper using Origin software"**

The Resource speaker was Dr.Chella Santhosh, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on how to increase the quality of images in research paper using Origin software. The working of Origin program was demonstrated along with a comparative study with other free and professional packages. Various options in Origin was discussed in detail to ease the faculty for using it in their research. A quick review of popular journals reveals a wide range of requirements. While many prefer to see images embedded in MS Word documents for initial submission, most request that separate image files be submitted for publication. So, you'll need to determine which export formats and sizes are acceptable to your journal. It is entirely possible to build publication-quality figures that will satisfy the requirements of most (if not all) journals using origin.



**Topic: "Linear and quadratic time frequency transform techniques"**

The Resource speaker was Mr.Bathula Murali Krishna, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on both linear and quadratic representations. The linear representations discussed are the short-time Fourier transform and the wavelet transform. The discussion of quadratic representations concentrates on the Wigner distribution, the ambiguity function, smoothed versions of the Wigner distribution, and various classes of quadratic time-frequency representations. Examples of the application of these representations to typical problems encountered in time-varying signal processing are provided.

**Topic: "IEEE PROTOCOL Standardisation & IEEE802.11 Wireless Protocols"**

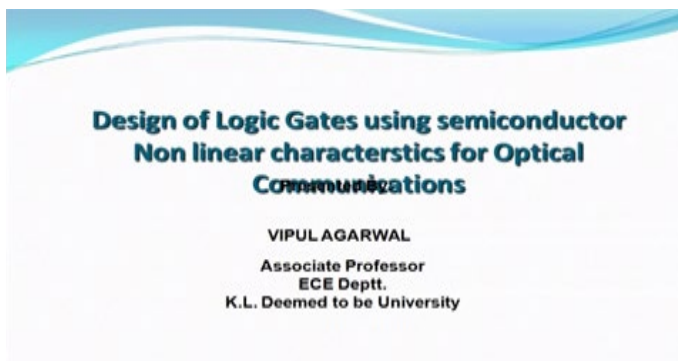
The Resource speaker was Mr.P.Kanakaraja, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on IEEE PROTOCOL Standardisation & IEEE802.11 Wireless Protocols. In this orientation I he discussed about ZigBee topologies & how to configure in real time and what are the softwares used in industrial prospective.

**Topic: "High speed carry select adder for ALU blocks"**

The Resource speaker was Mr.G.Rakesh Chowdary, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he proposes an area and delay efficient carry select adder with logical reduction of excess redundant hardware. In the proposed architecture, he had implemented the RCA with carry input as 1, only with Mux, Or gate and And gate. The proposed architecture shows that there is reduction of area and delay. Finally, he presented the evaluation of the performance of the proposed design in 90-nm CMOS Technology in Cadence Tools.

**Topic: "Semiconductor nonlinear characteristics and its applications in optical communications"**

The Resource speaker was Dr.Vipul Agarwal, Associate Professor,, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on Optical logic gates which can be designed by utilizing nonlinear characteristics of semiconductor. Semiconductor optical amplifier is often used as nonlinear element.Nonlinear optical (NLO) materials play a major role in nonlinear optics and in particularthey have a great impact on information technology and industrial applications.NLO materials typicallyhave a distinct crystal structure, which is anisotropic with respect to electromagnetic radiation. The importance of nonlinear optics is to understand the nonlinear behavior in theinduced polarization and to analyze and to control its impact on the propagation of light inthe matter.



**Topic: "Gram-schmidt algorithm for dimensionality reduction for medical image processing"**

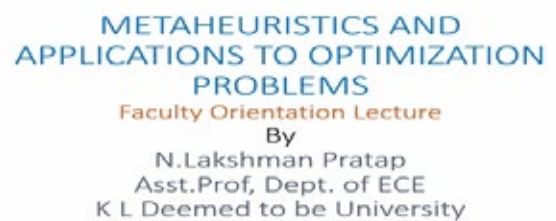
The Resource speaker was Dr.K.Rajesh Babu, Associate Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on PCA and RPT which are the successful dimensions reduction in huge number of medical images. With the development of medical technology, more and more parameters are produced to describe the human physiological condition, forming high-dimensional clinical datasets. In clinical analysis, data are commonly utilized to establish mathematical models and carry out classification. High-dimensional clinical data will increase the complexity of classification, which is often utilized in the models, and

thus reduce efficiency. He also discussed feature reduction techniques used with machine learning in neuroimaging studies.



**Topic:: "METAHEURISTICS AND APPLICATIONS TO OPTIMIZATION PROBLEMS"**

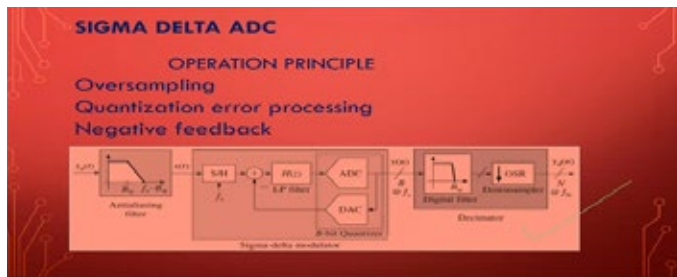
The Resource speaker was Mr.N.Lakshman Pratap, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he covers the basics of optimization and disssed two meta heuristic algorithms in detail. It discussed one basic optimization problem of wireless networks which can be solved using metaheuristic algorithm and will find sub optimal solution. Two Algorithms discussed are famous genetic algorithm and one more recent development Particle swarm optimization.



**Topic: "METAHEURISTICS AND APPLICATIONS TO OPTIMIZATION PROBLEMS"**

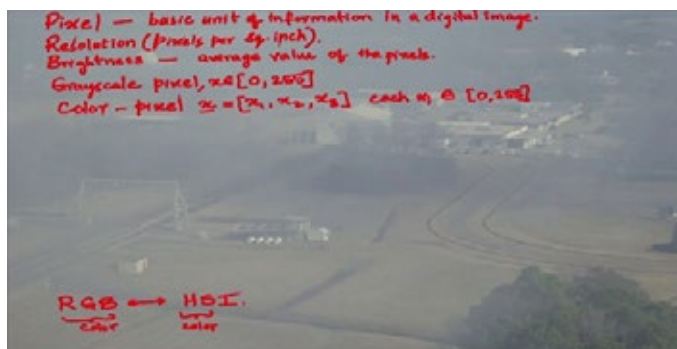
The Resource speaker was Mr.S.Vamsee Krishna, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he discussed Design of high-performance Sigma Delta Modulators for CMOS Analog/Digital interfaces. presents a tutorial overview of  $\Sigma\Delta$  modulators, their operating principles and architectures, circuit errors and models, design methods, and practical issues. A review of the state of the art on nanometer CMOS

implementations is described, giving a survey of cutting-edge  $\Sigma\Delta$  architectures, with emphasis on their application to the next generation of wireless telecom systems.



**Topic: "Consistency histogram matching technique for contrast enhancement of color images"**

The Resource speaker was Dr.D.SreePhani Kishore, Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on the consistency of histogram matching technique for contrast enhancement of color images. A novel histogram matching technique for contrast enhancement of color images is presented. This technique does not cause loss in pixel variation and does not cause imbalances in the brightness of any region of the image.



**Topic: "IoT for Healthcare (Covid-19 perspective)"**

The Resource speaker was Dr.NageshMantravadi, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on IoT implementation impacts on reducing healthcare cost and improve treatment outcome of the infected patient. The lecture is attempted to explore, discuss, and highlight the overall applications of the well-proven IoT

philosophy by offering a perspective roadmap to tackle the COVID-19 pandemic. Finally, significant applications of IoT are identified and discussed. The lecture inspires the researchers, academicians, and scientists to propose some productive solutions to overcome or confront this pandemic.



**Topic: "Enhanced security in intra-group communications"**

The Resource speaker was Dr.S.A.Sivasankari, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief review on the communications in today's world that are carried-out over open networks that indicates the communications amidst group members must be protected, efficient and any technique applied should support dynamism. Group key agreement (GKA) is widely employed for secure group communications in modern collaborative and group-oriented applications. This talk proposes to study the problems of GKA in identity-based cryptosystems to address the issues of round-efficiency, member-dynamism, and probably securing the key escrow, that is, ensuring its freeness. The problem is resolved by proposing a one-round dynamic asymmetric GKApotocol in which a set of participators are allowed to build a common encryption key for the group, in run-time, that is, dynamically, and each participator will have a different decryption key, which is a secret/known only by self and no one else, in an identity-based cryptosystem. Knowing the group encryption key, any "participator" can encrypt to the group members so that only the members can decrypt.



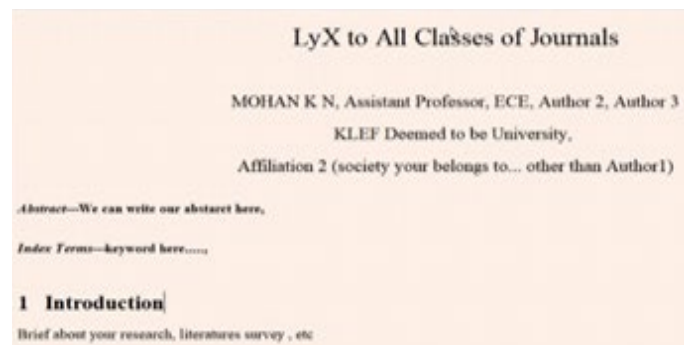
This protocol is built with a strongly non-forgable, non-stateless and identity-based batch-multi-signature scheme which supports communication between the protocol participants.

**Topic: "Various Data format of Atmospheric satellite data."**

The Resource speaker was Dr.China Satyanarayana, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . In this talk, he addressed a brief review on the different formats used for dissemination and processing of Satellite Data. It explains that the three primitive formats NetCDF, HDF, XML are widely used in the area of exchanging and storing meteorological data. They are emerging industry standards and each offers benefit of effectiveness and efficiency. Over the coming years it is possible that one will assume a primary role with respect to the processing of satellite data.The software used with conventional observational, satellite, and grid-point data are also demonstrated with examples.

**Topic: "LyX for All Classes of Journals"**

The Resource speaker was Mr.K.N.Mohan, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . The orientation lecture described the LyX tool applications, the lecture used to learn about writing format for different journals and magazines.It is called a "document processor", because unlike standard word processors, LyX encourages an approach to writing based on the structure of your documents, not their appearance. LyX lets you concentrate on writing, leaving details of visual layout to the software. LyX automates formatting according to predefined rule sets, yielding consistency throughout even the most complex documents. LyX produces high quality, professional output – using LaTeX, an open source, industrial strength typesetting engine, in the background.



**Topic: "Cyber security"**

The Resource speaker was Ms.K.Durga Bhavani, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . The lecture describes in brief about Cyber security that refers to the body of technologies, processes, and practices designed to protect networks, devices, programs, and data from attack, damage, or unauthorized access.Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These cyberattacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users; or interrupting normal business processes.Types of cybersecurity threats like Phishing, Ransomware, Malware, and Social engineering are discussed in this lecture.



**Topic: "Use of Open Stack for Conducting Cloud Computing Focussed Research"**

The Resource speaker was Dr.Ipseeta Nanda, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. . In this talk, she addressed a brief

review on OpenStack is a relative newcomer to the IaaS space, its first release having come in late 2010. Despite the solution's presumed lack of maturity and given that it has been around for less than two years, OpenStack is now one of the most widely used cloud stacks. Rather than being a single solution, however, OpenStack is a growing suite of open source solutions (including core and newly incubated projects) that together form a powerful and mature IaaS stack. Cloud computing is a quite new concept for which the resources are virtualized, dynamically extended and provided as a service on the Internet. In this talk, she presented a comparative study between some of the IaaS (Infrastructure as a Service) commonly used to select the best suited one for deployment and research development in the field of cloud computing. The aim is to provide the computer industry with the opportunity to build a hosting architecture, massively scalable which is completely open source, while overcoming the constraints and the use of proprietary technologies. Then, we present the solution OpenStack retained by the comparative study. She discussed in detail its functional and architectural system and finished by a discussion of the motivation of our choice of the IaaS solution.

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#### **Topic: "Effective writing of Research Papers"**

The Resource speaker was Dr.P.Pardhasaradhi, Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief discussion on how to write an effective research paper taking into account of all the steps during the writing, review, and correction processes. He discussed that the Research will help you in several ways: understanding your subject, formulating ideas for your paper, developing a thesis statement speaking about your topic with authority. The methods and information in this lecture can be applied to almost any kind of research paper, although of course the exact structure and content will be somewhat determined by where you are submitting your research.

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#### **Topic: "Directional shrinking Search Optimization technique- DSSO"**

The Resource speaker was Mr. Durga Prasad Tripathi,

Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, he addressed a brief discussion on Directional shrinking Search Optimization technique- DSSO. The novel optimization technique has been proposed that tries to maximize the effectiveness of exploration and exploitation by the algorithms in the search of global optimum point. In this proposed algorithm, the points in the search regions are directing towards the global optimum point in the same time the search region is also starts reducing exponentially. A stochastic process has been added in the end of the algorithm to provide better exploitation of the search region. The performance of the algorithm has been compared with some well-known optimization techniques and the derived empirical results on solving standard benchmark functions clearly signifies the high performance of the proposed algorithm.

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#### **Topic: "Linear array Yagi-Uda 5G antenna for vehicular application"**

The Resource speaker was Ms. Pronami Bora, Assistant Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome address. In this talk, she addressed a brief discussion on two element 2X2 linear array Yagi antenna which is meant to operate at frequency of 3.5GHz which can be used for low band 5G as well as for WIMAX. This array consists of two radiating elements of eight parasitic elements each with overall dimensions of 110×60×1.6mm<sup>3</sup>. The proposed antenna was built on Rogers Duroid substrate. It exhibits a good bandwidth (impedance bandwidth of single antenna element about 600MHz. for S11 less than -10dB at the center frequency of 3.5 GHz) and gain of 10.5dB. The idea behind this paper is to attain good gain along with bandwidth which can be utilized for vehicular applications.

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#### **Topic: "MIMO antenna for 5G cellular networks and vehicular communications"**

The Resource speaker was Dr.Y.Usha Devi, Associate Professor, working in the Department of ECE-. The session started with formal invitation followed by a welcome

address. . In this talk, she addressed a multiple input multiple output (MIMO) antenna for 5G based vehicular communication applications. The designed MIMO antenna consist of two element iterated T shape antenna with defected ground structure (DGS) and split ring resonator. The antenna is placed on vehicle in virtual environmental using ANSYS SAVANT tool and the simulated results are showing good matching with the measured results of proposed MIMO antenna.

**Topic: "Substrate integrated waveguide-based cavity backed self triplexing slot antenna for X Ku band applications"**

The Resource speaker was Dr. Arjuna Muduli, Associate Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he addressed aplanar substrate integrated waveguide (SIW) based cavity backed self triplexing slot antenna is proposed for X Ku band applications. The antenna comprises of the SIW cavity, radiating slots, and feeding networks. The radiating slots; that are etched on the upper metallic plane of the SIW, are backed up by the three radiated quarter cavities (QCs). The radiating slots in the respective QCs are of different lengths, excited by three separated orthogonal feed lines to resonate at three different frequencies as 11.01, 12.15, and 13.1 GHz. By fine tuning the antenna parameters, an intrinsic input port isolation of better than 26 dB is realized which helps in achieving the self triplexing property. The behaviors of individual cavity modes at three resonant frequencies are explained with the help of Z parameter. The proposed antenna layout is easy to integrate with the planar circuit. The proposed antenna is fabricated and measured results display a close concern with the simulated results. Moreover, a unidirectional radiation pattern and gain of 5.1, 5.54, and 6.12 dBi at resonant frequencies are realized.

**Topic: ""Waking up in a brave new world: The new normal of a post corona workplace"**

The Resource speaker was Ms. Mona Mudaliar, Assistant

Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, she addressed about the opportunies on Diagnostics and detection of COVID-19, Smart sensors for early-stage, Miniaturized COVID-19 sensors, Point-of-care diagnostics of COVID-19, Artificial intelligence for COVID-19 diseases management eg. X-ray image processing, Internet-of-Things-assisted approaches, COVID-19 disease management, High speed and secure network. The talk was ended with the keys to success are preparation, agility, accurate data, and a willingness to harvest good ideas from every layer of an enterprise.

**Topic: "Robust image transmission using Turbo Codes"**

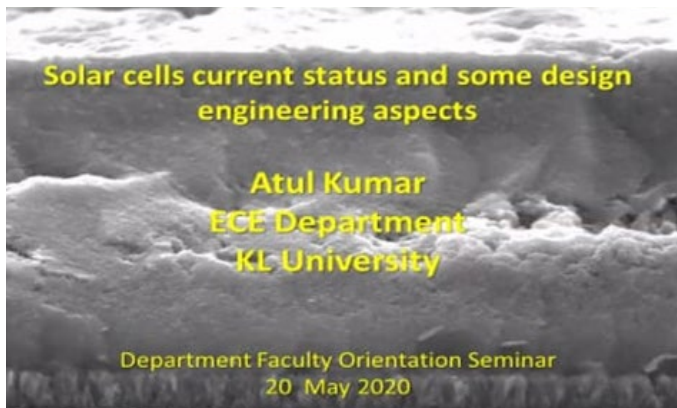
The Resource speaker was Mr. M. Venkateswara Rao, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he addressed about the robust image transmission using Turbo Codes. The images that are transmitted through noisy channels are extremely to bit errors, which can severely corrupt the quality of the images at the receiver. To transmit the compacted pictures through noisy channels with low SNR, another of turbo codes, Bit plane slicing and 2-D filtering is introduced in this paper. In the bit plane cut, the computerized N-bit picture is partitioned into 2N quantization levels. Every one of the N bits is encoded by a convolution-based Turbo encoder and send through the Additive White Gaussian Noise channel. At the receiver end, each bit plane is processed through Turbo decoder and reassembled to form the reconstructed image. This reconstructed image passed through the 2-D filters to improve Peak to Signal noise Ratio (PSNR). This system has extra-ordinary results at low SNR values and give better PSNR values even at -1 db, compared with traditional Turbo coding scheme.

**Topic: "Solar cells current status and some design engineering aspects"**

The Resource speaker was Mr. Atul Kumar, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a



welcome address. . In this talk, he addressed about the Solar cell, also called photovoltaic cell, any device that directly converts the energy of light into electrical energy through the photovoltaic effect. The overwhelming majority of solar cells are fabricated from silicon—with increasing efficiency and lowering cost as the materials range from amorphous (noncrystalline) to polycrystalline to crystalline (single crystal) silicon forms. Unlike batteries or fuel cells, solar cells do not utilize chemical reactions or require fuel to produce electric power, and, unlike electric generators, they do not have any moving parts. The various aspects that must be considered to successfully design solar cells for terrestrial systems are presented. Some of the more recent developments in solar cell technology are mentioned. It is concluded that the most logical approach to the use of silicon solar cells for terrestrial applications is to utilize solar concentrators in conjunction with cells specially designed for such operations. The factors that affect solar cell performance are discussed, and an experiment is described that optimizes the most important parameters for obtaining the best performance at intensities of between 100 and 400 milliwatts per square centimeter. The characteristics of such optimized cells are compared with the more common cell designs with regard to the various electrical parameters. A discussion of cell-concentrator systems is presented and some cost estimates are given.



**Topic: "Self-management of excessive tension with the help of cyclic meditation"**

The Resource speaker was Mr.N.Ajay Nagendra, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome

address. . In this talk, he discussed about the learning to manage your Stress by attending Self-Management of Excessive Tension workshop. You can get rid of sleepless nights and endless thoughts by practicing Cyclic Meditation. Cyclic Meditation is a simple and effective technique to relieve stress and induce deep sleep and relaxation. It is based on the principle of stimulation and relaxation. There are proven results that, CM can reduce the number of hours needed in order to feel rejuvenated. The various methods to release stress, improving mental stability are advised through the lecture. It was very interactive section by suggesting various ways to tackle the different daily life problems.

**Topic: "High performance nanopore biosensor for biomolecule detection in real sample"**

The Resource speaker was Dr.Naren Das, Assistant Professor, working in the Department of ECE- . The session started with formal invitation followed by a welcome address. . In this talk, he discussed about the challenges using antibody-modified magnetic nanoparticles ((anti-PSA)-MNPs) that diffuse at zero magnetic field to capture the analyte, prostate-specific antigen (PSA). Nanopore sensors are one of the first class of single-molecule sensors employed for quantitative analysis<sup>1</sup>. Single molecule sensitivity is achieved by detecting the transient decrease in ionic conductivity through the nanopore caused when a molecule of interest translocates and thus partially blocks the nanopore. This experimental paradigm suffers from long analysis times at low analyte concentration and non-specific signals in complex media. These limit effectiveness of nanopore sensors for quantitative analysis. The 'magnetic nanoparticle, nanopore blockade' concept points towards a strategy to improving nanopore biosensors for quantitative analysis of various protein and nucleic acid species.

## Research Publications

1. S. Sunithamani, D. Guru Prasad Reddy, G. Tarunkumarreddy, K. Reshma , " Optimization and Analysis of Micro needle ", Journal of Test Engineering and Management , ISSN: 0193-4120 , Vol no: 82 , Issue no: , 2020 , pp: 4766 - 4769 , SCOPUS
2. S. Sunithamani, .M. Sowmya<sup>1</sup>,K. Avinash, T. Venkateshwara Reddy , " Analysis of MEMS Based Capacitive Pressure Sensor ", Journal of Test Engineering and Management , ISSN: 0193-4120 , Vol no: 82 , Issue no: , 2020 , pp: 4770 - 4774 , SCOPUS
3. C.S. Preetham Reddy, J. Sai Krishna Reddy, S. Srikanth Reddy, Sk. Abdul Kalam, SkHasaneAhammad , " Random Access Protocol For Pilot Allocation In Mimo ", journal of critical review , ISSN: 2394-5125 , Vol no: 7 , Issue no: 4 , 2020 , pp: 755-757 , SCOPUS
4. C.S. Preetham Reddy, G. Hemanth, P. Bhanu Prakash, P. Krishna Teja, SkHasaneAhammad , " Fundamental Analysis Of Massive Mimo In Ofdm ", journal of critical review , ISSN: 2394-5125 , Vol no: 7 , Issue no: 4 , 2020 , pp: 758-761 , SCOPUS
5. G.Veerendra Nath, K.Nageswara Rao, N.Sasidharreddy, S.Anudeep, K.R.Bharath , " DESIGN OF WIDE BAND SEMI CIRCULAR PATCH ANTENNA FOR THE 5G MOBILE COMMUNICATION APPLICATIONS ", International Journal of Advanced Science and Technology , ISSN: 2005-4238 , Vol no: 29 , Issue no: 9 , 2020 , pp: 385-389 , SCOPUS
6. S. A. Sivasankari<sup>1</sup>, M. Saiteja. K. Kamalakar Reddy<sup>2</sup>, P. Siva Rama Krishna<sup>3</sup> , " Traffic Congestion Control using Surveillance Camera ", TEST Engineering and Management , ISSN: 0193 - 4120 , Vol no: 83 , Issue no: , 2020 , pp: 9493 - 9496 , SCOPUS
7. G. Sivavaraprasad\*, V.S. Deepika, D. SreenivasaRao, M. Ravi Kumar, M. Sridhar , " Performance evaluation of neural network TEC forecasting model over equatorial low-latitude Indian GNSS station ", Geodesy and Geodynamics , ISSN: 10.1016/j.geog.2019.11.002 , Vol no: , Issue no: , 2020 , pp: , SCI
8. B. T. P. Madhav, B. PrudhviNadh, T. Anilkumar, P. Pardhasaradhi, M. C. Rao, and P. Lakshman , " Frequency Reconfigurable Split Ring Antenna for LTE And WiMAX Applications ", INTL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS , ISSN: 10.24425/ijet.2019.131871 , Vol no: 66 , Issue no: 2 , 2020 , pp: 255-260 , SCOPUS
9. M.S.R Abhigna<sup>1</sup>, S. Miriyala<sup>1</sup>, K. Siva Krishna<sup>1</sup>, M. Ravi Kumar<sup>1</sup>, and D R Venkat<sup>1</sup> , " Carrier-Code Levelling (CCL) based TEC Estimation for a single Navigation with Indian Constellation (NAVIC) station ", TEST Engineering and Management , ISSN: 0193 - 4120 , Vol no: 83 , Issue no: , 2020 , pp: 10977 - 10983 , SCOPUS
10. Chayan Paul, Deepak Sahoo, Pronami Bora , " Aggression In Social Media: Detection Using Machine Learning Algorithms ", INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH , ISSN: 2277-8616 , Vol no: 9 , Issue no: 4 , 2020 , pp: 114-117 , SCOPUS
11. N.Durga Indira, K Sony, GuttiDhamar Sai Kiran, Kankara Lavanya, Dirisipamu Pushpa Sashank , " Compressive Sensing For Speech Signals ", International Journal of Advanced Trends in Computer Science and Engineering , ISSN: 2278-3091 , Vol no: 9 , Issue no: 2 , 2020 , pp: 1147-1150 , SCOPUS
12. M.Sridhar, M. Ravi Kumar, J.Chandana, S.V.Pranitha<sup>1</sup>, K.Y.Sahithi, Chella Santhosh , " Detection of Various Adulterants Concentration levels in Gasoline Using

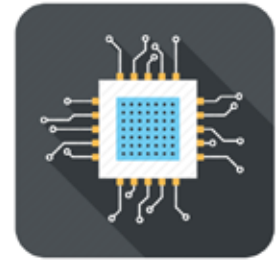
- NI-LABVIEW ", International Journal of Emerging Trends in Engineering Research , ISSN: 2347 - 3983 , Vol no: 8 , Issue no: 4 , 2020 , pp: 1247-1250 , SCOPUS
13. Atul Kumar, Pranay Ranjan , " Impact of light soaking on absorber and buffer layer in thin film solar cells ", Applied Physics A , ISSN: 10.1007/s00339-020-03595-2 , Vol no: , Issue no: , 2020 , pp: 397(1--8) , SCI
  14. K Mariya Priyadarshini<sup>1</sup> , R.S Ernest Ravindran<sup>2</sup> , Ipseeta Nanda<sup>3</sup> , " A Novel Two Level Edge Activated Carry Save Adder for High Speed Processors ", International Journal of Advanced Computer Science and Applications , ISSN: , Vol no: 11 , Issue no: 4 , 2020 , pp: 487-493 , SCOPUS
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  17. Keerthana, P. Praneeth Babu, T.Akhil Babu and B. Jena , " Performance Analysis of GAA MOSFET for Lower Technology Nodes ", Journal of Engineering Science and Technology Review , ISSN: 1791-2377 , Vol no: 13 , Issue no: 2 , 2020 , pp: 39-43 , SOCPUS
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  19. Putta Lakshmi Ganesh, Aluru Venkata Sai Krishna, MadalaBramhendra, NgangbamPhalguni Singh , " Approximate Sum-of-Products design based on Quantum-Dot Cellular Automata using Distributed Arithmetic ", International Journal of Advanced Science and Technology , ISSN: 2005-4238 , Vol no: 29 , Issue no: 5 , 2020 , pp: 10109-10116 , SOCPUS
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  26. Muzammil Parvez M<sup>1</sup>, R. S. Ernest Ravindran<sup>2</sup>, Syed Inthiyaz<sup>3</sup>, Ch. Tejkumar<sup>4</sup>, K. Veera Ram Sai<sup>5</sup>, K. Ashok Shiva Reddy , “ Network Security using Notable Cryptographic Algorithm for IoT Data “, International Journal of Emerging Trends in Engineering Research , ISSN: 2347 - 3983 , Vol no: 8 , Issue no: 5 , 2020 , pp: 2169-2172 , SOCPUS
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  30. T. SANDHYA KUMARI, S. KOTESWARA RAO, I. SANTI PRABHA , “ Adaptive Window- Based Fractal Dimension Estimation for Weight Maps in Contrast Improved Multi- Sensor Fusion “, of Engineering Science and Technology , ISSN: , Vol no: 5 , Issue no: 2 , 2020 , pp: 1319–1337 , SOCPUS
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  32. T SANDHYA KUMARI, S. KOTESWARA RAO, I. SANTI PRABHA , “ A two-stage processing approach for contrast intensified image fusion “, World Journal of Engineering , ISSN: 1708-5284 , Vol no: 17 , Issue no: 1 , 2020 , pp: 68-77 , SOCPUS
  33. Aswin Kumer S V<sup>1</sup>, Dr. K.Venkatasubramanian<sup>2</sup>, P.Kanakaraja<sup>3</sup>, L S P Sairam Nadipalli<sup>4</sup> and Dr.S.V.B. Subramanyeswara rao<sup>5</sup> , “ AN IMPLEMENTATION OF DEEP LEARNING AND SUPER RESOLUTION IMAGING AFTER IMAGE INPAINTING FOR IMAGE QUALITY ENHANCEMENT “, International Journal of Advanced Science and Technology , ISSN: 2005-4238 , Vol no: 29 , Issue no: 7 , 2020 , pp: 3451-3459 , SOCPUS
  34. Dr.S.Jayalakshmi<sup>1</sup>, A.Gayathri<sup>2</sup> , Dr. K.Venkatasubramanian<sup>3</sup> and Aswin Kumer S V<sup>4</sup> , “ An Implementation of a Combined Hybrid Power System Reliability Model for Distribution Systems “, International Journal of Advanced Science and Technology , ISSN: 2005-4238 , Vol no: 29 , Issue no: 7 , 2020 , pp: 3527-3534 , SOCPUS



DEPARTMENT OF  
**ELECTRONICS &  
COMPUTER  
ENGINEERING**



## One Week National Level Online Faculty Development Programme On Internet Of Things And Artificial Intelligence Applications:

The faculty development programme started on 1st June 2020 at 10:00 AM with Gananadaya Ganesya Prardhana Geetham sing by Kumari J Lalitha. There were 2800 external participants from different colleges, Industry, research, P.G. Scholars from India and Abroad, and around 200 participants from KLEF(Deemed to be University )Vaddeswaram, Guntur, Andhrapradesh. The dignitaries on the stage were Dr. L.S.S.Reddy, Vice-Chancellor, KLEF, Dr. K.L.R.Kantham, Registra, KLEF, Dr.N.Venkatram, Dean Academics, KLEF, Dr.K.Subba Rao, Principal, College of Engineering, KLEF, Dr.M.Suman, HoD, ECE, KLEF, Dr.M.SivaGanga Prasad, HoD, Dept. of Computer Engineering, KLEF.

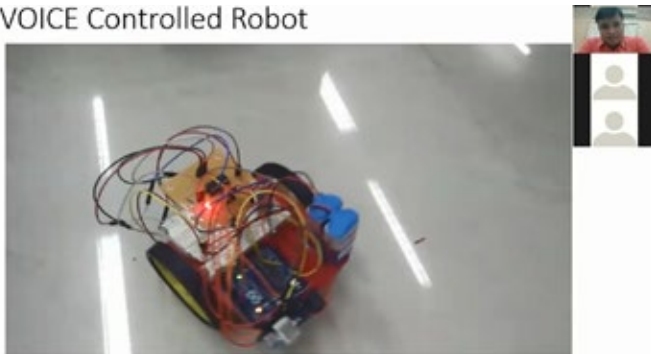


Opening remarks for the FDP were given by Dr. M.Sivaganga Prasad, which was followed by an introduction to the programme. He also gave a glimpse of the activities going on in the Dept. of Computer Engineering, KLEF.



The programme progressed with the inaugural lecture at 11:00 AM by Dr. J. Ravi Kumar, in which he mainly focussed on the IoT research going on in Robotics, NIT, Warangal, Telangana. He also played a video on the activities in Dept. of ECE, NIT, Warangal.

### VOICE Controlled Robot



*Dr. J. Ravi Kumar, Associate Professor, Dept. of ECE, NIT, Warangal. Delivering inaugural lecture*

The next speaker was Dr.Suresk Kumar Mojjada, Asst. Chief Technical officer, from Mariculture division, ICAR-CENTRAL MARINE RESEARCH INSTITUTE GOVERNMENT OF INDIA Gujarath, INDIA. He mainly talked about the research in the area of Advancing sustainable marine aquaculture sector with Artificial Intelligence (A.I.) and Internet of things (IoT): Scope and Opportunities, which was followed by a brainstorming session.



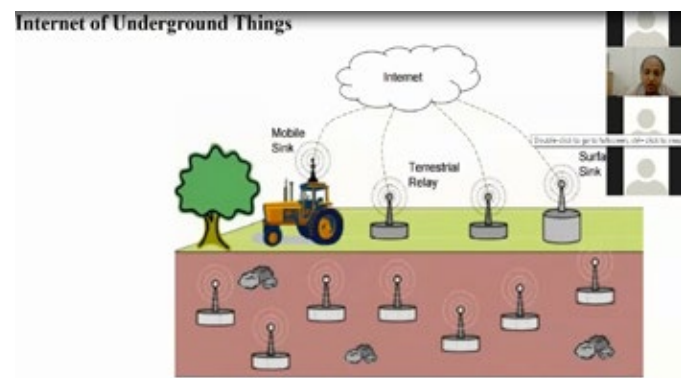
*Dr.Suresh Kumar Mojjada Delivering a Lecture*

The second day started with the lecture of Dr.Suresk Kumar Mojjada, Asst. Chief Technical officer, from Mariculture division, ICAR-CENTRAL MARINE RESEARCH INSTITUTE GOVERNMENT OF INDIA Gujarath, INDIA. His talk was based on the new trends in the area of Shaping the future farming in India: Artificial Intelligence (A.I.) & Machine Learning (ML) in mariculture. Participants discussed various aspects with the speaker, and the discussion session was conducted.



*Day2 Lecture Delivered by Dr.Suresh KumarMojjada*

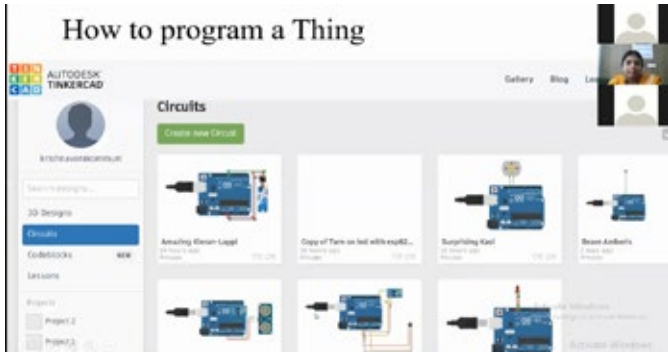
Dr.A.Kiran delivered day3 informative session, Ph.D., Associate Professor, Dept. of Computer Engineering, KLEF on Internet of Things Technology and its Applications, and also conducted discussion sessions with participants.



*Session Delivered by Dr.A.kiran Kumar*

After tear break, the next session was delivered by Smt.K.Krishna Veni, Asst. Professor, Dept. of Computer Engineering, KLEF, on Hands-on session 1: Basics of Thing programming, environment design, various power tools. All the participants are learned and practiced hands-on sessions and participated in the discussion.





*The session delivered by Smt.K.Krishna Veni*

Day4 first, an informative session delivered by Mr.Ch. Bhupathi, Asst. Professor, Dept. Of Computer Engineering, KLEF, Hands-on session 2: Sensing and Actuation mechanisms using Tinker cad tool, Free cloud platforms, and utilization techniques after completing the session, all participants are express their happiness and satisfaction.



*Session Delivered by Mr.Ch.Bhupathi*

After the break, the Next session delivered by Dr.M.Ramesh Kumar, Ph.D. Asst.Professor, Dept. Computer Engineering, KLEF on Machine Learning Prediction Models Hands-on session using Python. All the participants are participated and practiced all the programs and real-time examples.



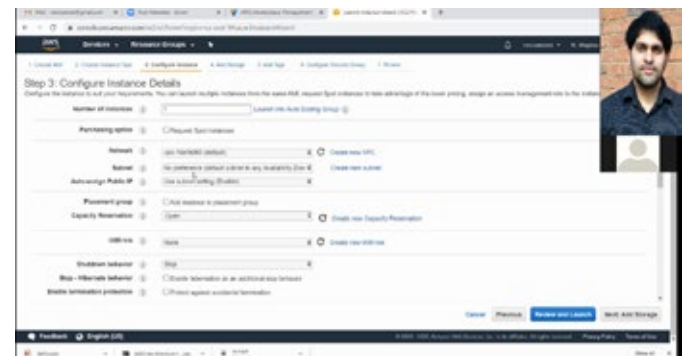
*The session delivered by Dr.M.Ramesh Kumar*

Day5 session1 delivered by Mr. Vishnu Indukuri, M.S, Database AdminCompany: Equifax(USA) on 'Database world" and conducted a discussion on all advanced databased technologies.



*The session delivered by Vishnu Indukuri, M.S, Database AdminCompany: Equifax(USA)*

After the break, the Next session is delivered by Ramu MV, M.S., DevOps Engineer Equifax, USA. On AWS Cloud Services with hands-on practice sessions, all the participants are got knowledge of how to use the Amazon web services cloud, and they were feeling happy.



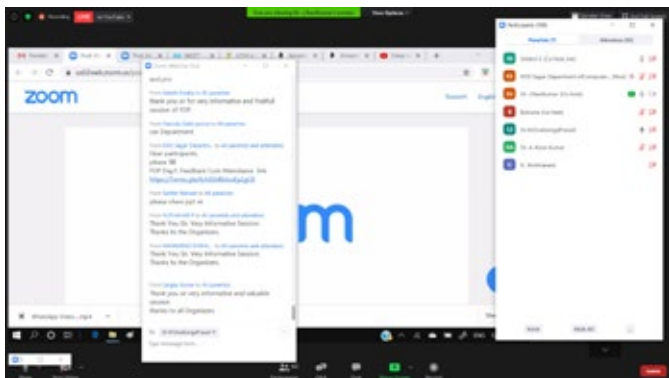
*The session delivered by Mr. Ramu MV, M.S., DevOps Engineer Equifax, USA*

Day 6 The final day started with a very informative session by Mr.Ravi Kumar Senior Data Engineer, Oracle, Malaysia, on Machine Learning with Bigdata. A huge discussion followed after that.



The session delivered by Mr.Ravi Kumar Senior Data Engineer Oracle, Malaysia

This led to the end of the series of lectures in the three days programme. A concluding session followed after the tea break in which participants shared their experiences.



Participants sharing their experiences through feedback

After break conducted an Assessment test through online all 3000 participants are participated

Thereafter conducted Valedictory function, Dr. K. SubbaRao, Principal College of Engineering, KLEF, gave his concluding remarks and distributed the e-certificates to the external participants.

In the end, Dr.M.Sivaganga Prasad, HoD, Dept. of Computer Engineering gave the vote of thanks and concluded the one-week online faculty development programme.

**KL UNIVERSITY**  
 A NATIONAL LEVEL ONE WEEK ONLINE FDP ON  
**INTERNET OF THINGS AND ARTIFICIAL INTELLIGENCE APPLICATIONS**  
 JUN 01-06, 2020, 10.00 AM TO 4.00PM  
 DEPARTMENT OF COMPUTER ENGINEERING (ECM)  
 VADDESWAM, GUNTUR/ANAParthi/INDRAPURAM

**RESOURCE PERSONS**

- DR. RAVI KUMAR ANJUREDDI, P.D. ASSISTANT, FREE ZONE, ELURU/STATE OF TELANGANA, NATIONAL INSTITUTE OF TECHNOLOGY, HYDRABAD, TELANGANA, INDIA
- DR. RAJESH KUMAR MOJILADA, P.D. ASST. PROFESSOR, DEPT. OF COMPUTER SCIENCE, UNIVERSITY OF MADRAS, CHITRALAPURAM, MADURAI, INDIA
- MR. SIVU KUMAR K, ASSISTANT PROFESSOR AND HEAD, DEPT. OF INFORMATION TECHNOLOGY, JAYAPRAKASH UNIVERSITY OF MANAGEMENT, HYDRABAD, INDIA
- MR. SHAM SIVU, ASSISTANT PROFESSOR, VEDAVATHUR, VEDAVATHUR, INDIA
- VEDAVATHUR SURESH, ASSISTANT PROFESSOR, VEDAVATHUR, INDIA
- DR. A. KUMAR KUMAR, P.D. ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF MADRAS, CHITRALAPURAM, MADURAI, INDIA
- DR. K. KRISHNA, VEDAVATHUR, VEDAVATHUR, INDIA
- MR. BHARATHI, P.D. ASSISTANT PROFESSOR, DEPT. OF CHEMISTRY, VEDAVATHUR, INDIA
- DR. SURESH KUMAR MOJILADA, P.D. ASSISTANT PROFESSOR, DEPT. OF CHEMISTRY, VEDAVATHUR, INDIA

**Registration Fee: Free**  
 Last date for registration: 31-05-2020  
 Certificate will be issued to those who have attended the program without any absenteeism and scored minimum 60% marks in the test

**Registration Link:**  
<https://forms.gle/3t4y9w4y5m30UGT19>

**Program Coordinator:**  
 Dr.M.Siva Ganga Prasad, HOD/ECM

**Advisors:**  
 Prof. Dr.N.Venkatram, Dean Academics, KLEF  
 Dr.M.Sumana, Deputy Registrar, HOD, ECCE, KLEF

**Coordinators:**  
 Smt. S. Sri Devi  
 Dr. Ganesh Kumar Mojilada  
[rajgar.tadepalli@kluniversity.in](mailto:rajgar.tadepalli@kluniversity.in)

**K.L. Deemed to be University,**  
 Green Fields, VaddeSwam, Guntur District, A.P., INDIA.  
 Pincode: 522 502.

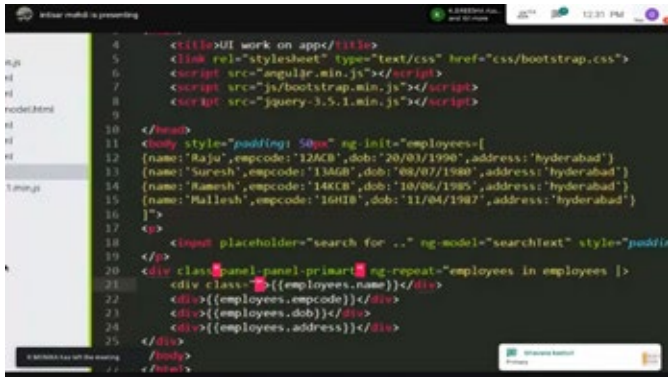
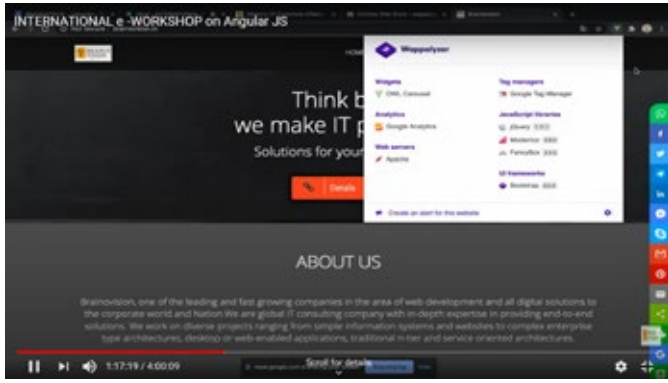
## Angular Js Workshop

A Technical Workshop on **Angular JS to develop Web Apps faster** organized by Department of Computer Engineering, Koneru Lakshmaiah Education Foundation in Association with **Brain O Vision India Solutions Pvt. Ltd on 26/06/2020** through YouTube Live.

AngularJS is an auxiliary framework for Hybrid web applications. It gives a chance to utilize HTML as layout language and gives a chance to stretch out HTML's syntax to express application components plainly and compactly.

**Total number of Participants – 423**

Department of Computer Engineering faculty, Students of II Y, III Y and IV Y and 200 more participants from various prestigious universities and Engineering Colleges actively participated in this workshop.



Name of the Trainer: **Mr. Intisar Mehdi**

YouTube Recorded Lecture: <https://www.youtube.com/watch?v=YvG4LYRNI7E&t=4119s>

The Head of the Department Dr. M. Siva Ganga Prasad and Deputy HOD Mrs. P. S. G. Aruna Sri congratulate the all the participants in Angular JS workshop and also congratulate the entire Department of Computer Engineering Faculty Members and Coordinators for Smooth Conduction of Workshop.

The Head of the Department express thanks to Koneru Lakshmaiah Education Foundation Management, Higher Authorities and Brainvision India Solutions pvt.ltd for their support.

### Faculty Achievements



Dr.A.Vamsee Krishna awarded a Ph.D with a title "Analytical study on compact frequency reconfigurable antennas for wireless IoT applications on 22-06-2020 from KLEF,Vaddeswaram

## Student Achievements / External participation

- Varanasi Shivani-180050059 has won 3rd place in "ANTI CHILD LABOUR" contest organized by CEA-KLEF on June 12-14 2020.
- Kadiyala Swathi -170050015 has participated in "International day against Drug abuse & Illicit Trafficking " contest organized by CEA-KLEF on June 26 Jun 2020
- Ms. Hyndavi Chilaka -170050018 has got the certificate of participation in "ARTIFICIAL INTELLIGENCE (AI)" during 27.04.2020 to 01.05.2020 organized by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), India.
- Madiraju S Sai Krishna – 170030235 has got "Gold shield" from the campus training of company called "Sales Force".
- Ragi Nihanth Sai Mani -170031091 has received the certificate" Architecting Google with computing Engine" from Google Inc.
- Govind – 180050044 has successfully cleared "Hacker Rank" assessment for skill exam.
- LANKE LAHARI, REDDY.SUPRIYA has participated in national level Technical e-Quizes organized by NRI Institute Vijayawada, on 8th Jun 2020.
- R.Radha Gayatri has completed "Industrial IoT on Cloud platform" & "Introduction to Artificial Intelligence" offered by Course Era on 15th May &6th June 2020.
- All ECM IV B.Tech CRT students has successfully completed NASSCOM certifications in the areas of AI, Big Data, IoT in collaboration with WIPRO

### PATENT FILED

- SYSTEM AND METHOD FOR AN AUTOMATIC INSPECTION OF RAIL TRACKS

Mr. KV.DayaSagar, Mrs.PSG.Aruna Sri, Mrs.S. Sridevi, Mrs.K.Krishnaveni, Dr. M. Sivaganga Prasad,Mr. M. Trinath Basu, Dr.M. Ramesh Kumar, Dr.Md Ali Hussain



## Research Publications

1. A. V.Kalyan Laxman, D. Vamsi Krishna, Dr. N Venkatram and Dr. Mohammed Ali Hussain User Authentication Control Traffic Detection Using SMS Alert, Test Engineering and Management, Volume.83 March-April 2020, Scopus Indexed.
2. Dr. Mohammed Ali Hussain and Dr. Balaganesh Duraisamy Minimizing the Packets Drop by System Fault in Wireless Infrastructure less Network Due to Buffer Overflow and Constrained Energy, International Journal of Advanced Science and Technology Vol. 29, No. 5, 2020.
3. Shakeel Ahmed, N. V. K. Ramesh, and B. Naresh Kumar Reddy A Highly Secured QoS Aware Routing Algorithm for Software Defined Vehicle Ad Hoc Networks Using Optimal Trust Management Scheme Wireless Personal Communications Springer April 2020.
4. Jammalamadaka Rajasekhar, JKR. Sastry, BUILDING COMPOSITE EMBEDDED SYSTEMS BASED NETWORKS THROUGH HYBRIDISATION AND BRIDGING I2C AND CAN, Journal of Engineering Science and Technology Vol. 15, No. 2, April 2020.
5. Mudunuri Bindu Naga Bhargavi, Chamarthi Venkata Pavan Kalyan, Prakash A, Dr, JKR Sastry, Enhanced detection of Phishing through pattern based recognition for securing human interaction through WEB pages, International Journal of Emerging Trends in Engineering Research, Volume 8. No. 4, April 2020.
6. Geethika Reddy A, Y. Upendra, Dr.JKR Sastry, Mr. Bhpathi, An Approach to Compute Fault Tolerance of an IoT Network having Clustered Devices Using Cross bar Networks, International Journal of Emerging Trends in Engineering Research Volume 8. No. 4, April 2020.
7. Amirapu Anjana, G. Gopi Chand, K. Sai Kiran, Dr.JKR Sastry. Bhpathi, On improving fault tolerance of IoT networks through Butterfly Networks implemented at Services Layer. International Journal of Emerging Trends in Engineering Research. Volume 9, No.2, March - April 2020.
8. S. Sairohith, B. Naga Kalki Venkatesh, Dr. JKR Sastry, J. Rajasekhar, Inter-Networking Heterogeneous Embedded Networks through Universal Bus, Inter-Networking Heterogeneous Embedded Networks through Universal Bus, International Journal of Advanced Trends in Computer Science and Engineering, Volume 9 No.2, March -April 2020.
9. Arvind Yadav, Snehamoy Chatterjee, Sk. Md. Equeenuddin, Suspended sediment yield modeling in Mahanadi River, India by multi-objective optimization hybridizing artificial intelligence algorithms, International Journal of Sediment Research (SCI Journal- Elsevier).
10. Mahesh Reddy, A., Kameswara Rao, M. A critical review on LWC algorithms for IoT security, Test Engineering and Management, March-April 2020, Scopus Indexed.
11. Daya Sagar, K.V., Susmithanjali, K.P.R., Alekhya, K., An enhanced finger print and fusing face authentication for atm cash withdrawal by using svm and convocational neural networks, International Journal of Scientific and Technology Research, VOLUME 9, ISSUE 04, April 2020, Scopus Indexed.
12. K.V.Daya Sagar1,Battula RajaSekhar Reddy, Doddapaneni Vikas, Chundu Sindhu Sree, Secure IOT communication in Smart Cities Using AES and Block Chain Technology, Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, Issue-02, April-2020.
13. Sridevi Sakhamuri, Y. Rohith, Y.Yamini, J.Rajasekhar Analyzing the Age using Fingerprint, Test Engineering and Management, Volume.83 March-April 2020, Scopus Indexed.
14. Sridevi Sakhamuri, V.Valli Aishwarya, P.S.G.ArunaSri, Y.HarshVardhan Three Factor Authentication in E-Commerce, Test Engineering and Management, Volume.83 March-April 2020.
15. Vuyyuru Jaswanth Reddy, Shaik Khajavali, G. Vijay Kumar Mining Regular Patterns in Cloud Databases, Test Engineering and Management, Volume.83 March-April 2020. Scopus Indexed.

16. G. Vijay Kumar, V. Sushma Reddy, Y. Ruthvik, Ch. Padmavathi "Privacy Management System using Ip-Address" International Journal of Advanced Science and Technology, Volume 29, issue 05, April 2020. Scopus Indexed.
17. Krishnaveni Kommuri and Venkata Ratnam Kolluru Prototype Development of CAQSS Health Care System with MQTT protocol by using Atmega328 International Conference on Artificial Intelligence and Signal Processing (AISP), IEEE Xplore digital library, April 2020.
18. Suman M,B.L.K.N.Jyothi,A.Manogna,P.S.G.Aruna Sri "Blockchain health insurance claim processing system" Test Engineering and Management, Volume.83 March-April 2020. Scopus Indexed.
19. Mohammad Arshad, Arshad Ahmad Khan Mohammad and Dr. Md. Ali Hussain Impact of Bottleneck Intermediate Node on MANETs and WSNs Performance Test Engineering and Management, Volume.83 May-June 2020, Scopus Indexed.
20. Suresh Babu Besta, Dr.Mohammed Ali Hussain, Dr.Mahmood Ali Mirza Optimization of Beacon by Using TSCH Network for optimized Routing Model International Journal of Advanced Science and Technology, Vol. 29, No. 6, 2020.
21. M. Yogitha, Narendra Babu Tatini, K. Sri Revanth, S. Kumar Sai, Classification of Milk Based on Quality, Colour and Density, International Journal of Advanced Science and Technology, Vol. 29, No. 6, (2020), pp. 3030 - 3041. Scopus Indexed.
22. Yenuganti Pragathi, Narendra Babu Tatini, Tadakamalla Vivek, Design and Development of Low-Cost Smart Water Flow Meter, Test Engineering & Management, Vol. 83, May – June 2020, Page No. 2687 - 2692. Scopus Indexed.
23. Sompradeep Pakalapati, Narendra Babu Tatini, Smart Safety System for Human Using IoT, International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 1242 - 1248. Scopus Indexed.
24. Aneela Garapati, Satya Sri Gangumalla, Lavanya Ganipineni and Musala Venkateswara Rao An IOT Based Multifunction Cooling System with Security International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 1210 – 1216, Scopus Indexed.
25. Musala Venkateswara Rao, Yenumala Dileep, Punnamaraju Likhita and Tummala Purnachand A Functional Model for Hardware Security in Logic Circuits International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 1217 – 1222, Scopus Indexed.
26. A. VENKATA ANUHYA, VENKATA RATNAM KOLLURU, RAJESH KUMAR PATJOSHI A Deep Learning Approach for Detection and Classification of QRS Contours using Single-lead ECG, International Journal of Pharmaceutical Research | Apr - Jun 2020 | Vol 12 | Issue 2, SCOPUS indexed.
27. P. Vamsi, Rohit Desai, G Sai Sampath, Dr. J.K.R. Sastry, V. Chandra Prakash, Predicting Suitable careers through the use of Snakes and Ladder Game, International Journal of Engineering Trends and Engineering Research, Volume 8, Issue 5, May 2020, pp. 2065-2073.
28. Kamma Chaitanya, GuntaVenkata Lakshmi Narasimha Reddy, Dr. JKR Sastry, NVSPawan Kumar, Mining Negative Associations from Frequent and Regular Patterns through Application of Maximal Property, International Journal of Engineering Trends and Engineering Research, Volume 8, Issue 5, May 2020, pp 2140-2155
29. JRK Kumar Dabbakuti, P.Rangababu, Y.Mallika, A. Kiran Kumar, M. Sasi Vardhan, Implementation of Storm-Time Ionospheric Forecasting Algorithm Using SSA-ANN Model, IET Radar, Sonar & Navigation, June 2020, ISSN:1751-8784.
30. Shaikh Shakeela, K. Uday Kiran, B. Sakthi Kumar, K. Rajesh Kumar, Framework for Environment Quality Monitoring Using Radial Support Vector Regression, Journal of Computational and Theoretical Nanoscience, Volume 17, Issue 5, June 2020, ISSN: 1546-1955.
31. K.Kiran Kumar, G.Balaram, A Fast and Accurate Tomato leaf disease detection at prior stage of harvesting using threshold segmentation and RFO classifier, International Journal of Advanced Science and Technology, Volume 25, Issue 5, June 2020, ISSN:

2005-4238.

32. K.Kiran Kumar, K.SriLekhya, Kiran Reddy, Towards Optimum Mobile Crowd Sensing Coverage with Security, Privacy and Trust, International Journal of Advanced Science and Technology, Volume 25, Issue 5, June 2020, ISSN: 2005-4238.
33. JKR Sastry, K. Aruna Kumari and K Rajasekhra Rao, An Enhanced Cloud Computing Architecture focussed at Optimising VM Migration through an efficient Placement Algorithm, International Journal of Emerging Technologies in Engineering Research, Volume 8, Issue 6, June 2020, ISSN: 2779-2797.

## A 4-Day Fdp On Datascience And Machine Learning Using Python

Department of Electronics and Computer Engineering organized four day faculty development (FDP) on “Data Science and Machine Learning using Python” from 20th April to 24th April 2020. This FDP was organized in online mode. This FDP was blessed with eminent persons like Honorable Chairman KL University Mr Koneru Satyanarayana , Dr Siva Ganaga Prasad HOD ECM, Dr M.Suman HOD ECE and the resource person Dr Ramesh Kumar Mojjada Assistant Professor ECM. This FDP was started with addressing of the participants by Dr Siva Ganaga Prasad .in his speech he addressed all the participants by his precious words. He started with importance of the emerging technologies like AI,ML and Data Science .He continued to revise the change in technology and its importance. Later he discussed the needs of latest programming languages such as Python and the later session was continued by Dr Ramesh Kumar

Mojjada who started the FDP with the basics of Python language.

The day 02 of FDP started with the introduction of data structures of python lists, tuples and dictionaries The session included properties of each of the sequence type and commonly used functions on all these sequences .

The day 03 of FDP started with discussion session with participants about the doubts . As per schedule the concepts of data frames were introduced and the accessing those, expanding that is adding columns and rows to data frames etc. Python modules for machine learning numpy was introduced

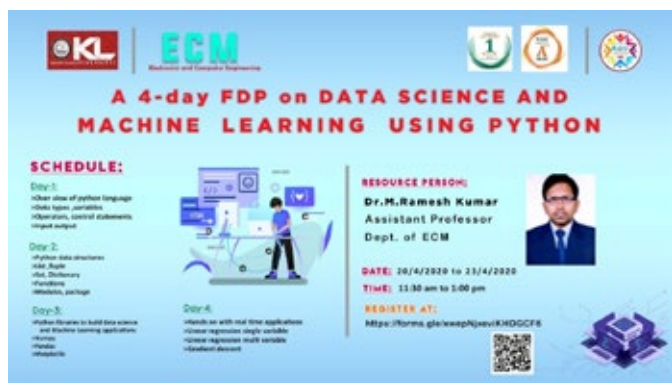
On day 04 complete hands on training was provided . In this data cleaning , loading preprocessing these tasks were demonstrated using real time data. Training data set and testing data set splitting concept was taught

There are around 200 participants across India participated in the FDP. Most of the participants are very enthusiastic and learnt the concepts with full of attention. Every day many queries were asked through mails . The resource person answered all queries with pleasure . with the effort of all the members of KL university this FDP was conducted successfully . In the final session Dr Siva Ganga Prasad HOD ECM he addressed all the participants . His motivational words impressed all the participants.

## Webinars

### Examination reforms to complement OBE requirements By Dr.M.Siva Ganga Prasad Garu HOD of ECM Department

A webinar on Examination reforms to complement OBE requirements was organized by Dr.M.Siva Ganga Prasad Garu HOD of ECM Department as on 24-04-2020 related to examination reforms . More than 130 participants registered and attended the webinar actively.The speaker of the day Dr.M.Siva Ganga Prasad Garu started to address the participants by 11.00 am saying that examinations/student assessments play a very important role in deciding the quality of education. They must not



**KL University** | **ECM**  
**A 4-day FDP on DATA SCIENCE AND MACHINE LEARNING USING PYTHON**

**SCHEDULE:**

- Day-1:**
  - Other uses of python language
  - Global scope, constants
  - Variables, Global statements
  - Input/output
- Day-2:**
  - Python data structures
  - List, tuple
  - Set, Dictionary
  - Membership
  - Iteration, package
- Day-3:**
  - Python libraries to build data science and Machine learning applications
  - Numpy
  - Matplotlib
  - Scikit-learn
- Day-4:**
  - Hands on with real time applications
  - Linear regression single variable
  - Linear regression multi variable
  - Advanced decision

**RESOURCE PERSON:**  
**Dr.M.Ramesh Kumar**  
 Assistant Professor  
 Dept. of ECM

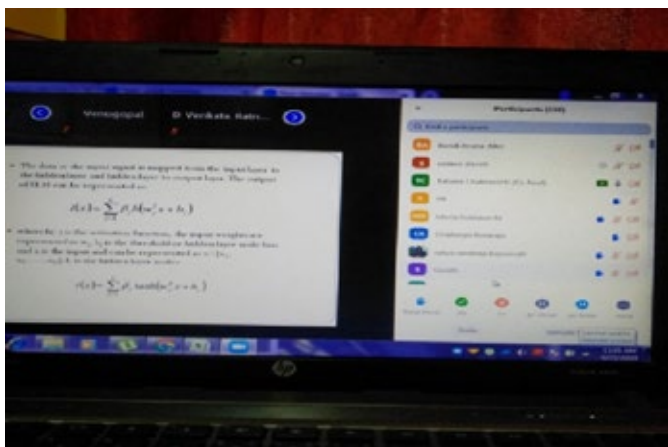
**DATE:** 20/4/2020 to 23/4/2020  
**TIME:** 11:30 am to 3:00 pm

**REGISTER AT:**  
<https://forms.gle/wespNjxviKHDGCF8>

**QR Code:** [QR Code]



only assess student's achievements (and grades) but also measure whether the desired learning outcomes have been achieved. The achievement of objectives and program outcomes are crucial and needs to be proven through accurate and reliable assessments.



The most important topics he has highlighted were:

- Drivers for Examination Reforms in Indian Engineering Education System
- Strategies for Assessment with desired Student Learning Outcomes (Proposed two Step method)
- Necessity of Designing Question Papers to test Higher order abilities & Skills

The detailed explanation on Adaptation of Outcome Based Education frame work has given lot of clarity to many listeners and the queries regarding this were cleared at the same time . Some more topics covered in the session

are :

- Difficulty of PO achievement at Course level
- Identifying Competencies & Performance Indicators(PIs)
- Role of Written Examination
- Wide range of assessment methods
- Blooms Taxonomy for Assessment Design

The webinar was very helpful to all the viewers and given lot of weight to the participants carrier who has attended . The most likely suggestion given by most of the viewers was that if the webinar is to two days or the time extended to more it would be more advantageous.

**webinar on Machine Learning Techniques for Detection and Classification By Dr.Tatiana Chakravorti ,ECM Department as on 25-04-2020**

Machine learning is the subfield of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. The primary aim is to allow the computers learn automatically without human intervention or assistance and adjust actions accordingly. Mainly three types of learnings are there, supervised learning, unsupervised learning and reinforcement learning. Supervised learning algorithms can apply what has been learned in the past to new data using labeled examples to predict future events. Starting from the analysis of a known training dataset, the learning algorithm produces an inferred function to make predictions about the output values. The system is able to provide targets for any new input after sufficient training. Classification and regression comes under supervised learning. Classification is the process of predicting discrete class labels or categories where as regression is the process of predicting continuous values.



Single layer feed forward neural networks (SLFN) have been extensively used to solve different problems such as regression, classification, and nonlinear system identification because of their universal approximation proficiency. Conventional techniques such as back-propagation are used to train SLFN. These methods deteriorate because of slow convergence, getting captured in a local minimum and overfitting problem. This method is very sensitive to learning rate setting. To overcome all these problems we can use two machine learning algorithms, Extreme Learning Machine (ELM) and Random vector functional link network. ELM is basically a SLFN containing a huge number of non-linear processing nodes at its hidden layer. The hidden layer can be any type of continuous computational functions including sigmoid, radial, trigonometric, polynomial, wavelet etc. All the weights connect the input layer to the hidden layer are randomly taken and maintained throughout the learning process. The experimental results based on a few artificial and real benchmark function approximation and classification problems including very large complex applications show that ELM can produce good generalization performance in most cases and can learn thousands of times faster than conventional popular learning algorithms for feed-forward neural networks. A randomized interpretation of the functional link is called Random Vector Functional Link Networks (RVFLN),

which shows that certain values of the weights can be randomly generated from the input layer to hidden layer. RVFLN overcome the demerits of the SLFN. There are many techniques present in the literature belongs to an artificial neural network where the weights are random in nature. But in case of RVFLN method, there is a direct link present between the inputs and the outputs which increase the generalization capability of RVFLN. There is no direct link present in case of SLFN. The proficiency and the generalization capability of ELM and RVFLN have been discussed in many research papers. 135 participants utilized the opportunity of watching this webinar.

**webinar on AI & ML - Challenges, Opportunities and Emerging Applications By Dr.Md.Ali Hussain,,ECM Department as on 30-04-2020**



The main focus of the webinar was introducing some of the importance aspects of Artificial Intelligence and Machine Learning and various Emerging Opportunities. The talk also addressed certain key issues related to financial impact, challenges in the field of AI & ML and Applications which are widely used in the field of Education, Healthcare, Agriculture and Entrepreneur. 135 participants utilized the opportunity of watching this webinar.



## Research Activities

- A Study on role of Fin-Tech in banking services: Opportunities and Challenges Dr.V.V.Madhav, HOD, Department of Commerce, Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P, India. Journal of critical review. ISSN 2394-5125
- The Problem With Quality And Quantity Dependent Demand Prof. AVN.Murthy Department of Commerce, Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P, India. IJS&TR ISSN2277-8616.
- The Impact Of Strategic Quality Research On Indian Universities(An Overview Of Research Perspective) Prof. AVN.Murthy Department of Commerce, Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P, India. IJS&TR ISSN 2277-8616.
- IP Audit: A SINE QUA NON KSLNS Subrahmanyam Department of Commerce, Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P, India. IJS&TR ISSN 2277-8616.
- Organization politics and organizational developmental through effective employees Prof. AVN.Murthy Department of Commerce, Koneru Lakshmaiah Education Foundation, Vaddeswaram, A.P, India. IJS&TR ISSN 2277-8616.

Prof.AVN Murthy	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Dr.V.V.Madhav	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Mr.N.Vishnu Mohan Rao	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Mr.KSLNS Subrahmanyam	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Mr.SVNM Sastry	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Dr.B.Balanalakshmi	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020



Dr.S.Santha Kumari	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Dr.Vahed Shakeel Ahammad	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Dr.A.Raju	Seminar on Python	KLEF	2 Weeks	3rd Week of May 2020	4th Week of May 2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	MANAGING ONLINE CLASSES AND CO-CREATING MOOCS	Ramanujan College, University of Delhi	2 Weeks	20/04/2020	6/5/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	ON LINE TRAINING ON "LaTeX"	Sanjay Ghodavath University, Kolhapur; in association with Spoken Tutorial Point ITI-Bombay	1 Week	27/04/2020	6/5/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	MODERN METHODS FOR TEACHING-LEARNING PRACTICES	Krishna University	2 Days	12/5/2020	13/05/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	SYMPOSIUM ON DIGITAL FINANCE OPPORTUNITIES & CHALLENGES	K L BUSINESS SCHOOL, K L DEEMED TO BE UNIVERSITY	1 DAY	11/23/2019	11/23/2019
Prof.AVN Murthy	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Dr.V.V.Madhav	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Mr.N.Vishnu Mohan Rao	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Mr.KSLNS Subrahmanyam	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Mr.SVNM Sastry	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Dr.B.Balanalakshmi	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Dr.S.Santha Kumari	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Dr.Vahed Shakeel Ahammad	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020
Dr.A.Raju	Workshop on Microsoft excel	KLEF	1 Week	24/5/2020	31/5/2020

Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	SYMPOSIUM ON DIGITAL FINANCE OPPORTUNITIES & CHALLENGES	K L BUSINESS SCHOOL, K L DEEMED TO BE UNIVERSITY	1 DAY	11/23/2019	11/23/2019
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"COVID-19 GENERAL AWARENESS QUIZ"	SRM Institute of Science & Technology	19-4-2020	19-4-2020	19-4-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"MANAGING ONLINE CLASSES AND CO- CREATING MOOCS"	Ramanujan college, Delhi University, association with Ministry of HRD Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	20-4-2020 to 6-5- 2020	20-4-2020 to 6-5- 2020	20-4-2020 to 6-5- 2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"EFFECTIVE QUALITY RESEARCH PAPER WRITING AND PUBLISHING IN HIGH IMPACT JOURNALS"	SRM Institute of Science & Technology	25-4-2020	25-4-2020	25-4-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	ON LINE TRAINING ON "LaTeX"	Sanjay Ghodavath University, Kolhapur; in association with Spoken Tutorial Point ITI-Bombay	27-4- 20220 to 6-5-2020	27-4-20220 to 6-5-2020	27-4- 20220 to 6-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	ENHANCING RESEARCH EFFECTIVENESS USING SCOPUS, SCIENCE DIRECT AND MENDELEY	Faculty Development Centre, Kurukshetra University in coloboration with Elsevier, Under agies of PMMMMNMIT, MHRD, Govt. of India	1/5/2020	1/5/2020	1/5/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"THE INDIA FIRST LEADERSHIP TALK"	Webinar with Prof. D.P.Singh, Chairman UGC	9/5/2020	9/5/2020	9/5/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"MODERN METHODS FOR TEACHING-LEARNING PRACTICES"	Krishna University	12-5-2020 &13-5- 2020	12-5-2020 &13- 5-2020	12-5-2020 &13-5- 2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"GST USING TALLY RESEASE 6.6."	P.B. Siddhartha Arts & Science and Tally Educaiton Pvt. Ltd.	15-5-2020	15-5-2020	15-5-2020

Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"SAY NO TO CORONA WITH HOME MADE SANITIZERS"	Sri Kanyaka Parameswari Arts & Science College, SKPC Upadhi centrein Association with Global Software Solutions Ltd,	15-5-2020	15-5-2020	15-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"COVID-19 AWARENESS QUIZ"	Sacred Heart College (Autonomous)	15-5-2020	15-5-2020	15-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"DRAFTING AND PUBLICATION OF RESEARCH ARTICLES IN PEER REVIEWED JOURNALS"	Sri Mittapalli College of Engineering	16-5-2020	16-5-2020	16-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"NATIONAL LEVEL E-QUIZ ON MANAGEMENT PRINCIPLES"	Mohamed Sathak college of Arts & Science	May, 20	May, 20	May, 20
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"RESEARCH METHODOLOGY"	SVD. Govt. Degree College(W), & Khandesh Chapter of English Language Teachers' Association of India	21-5-2020	21-5-2020	21-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"INDIAN ECONOMIC SCENARIO DURING THE PRE & POST COVID - 19 POLICY MEASURES & IMPLICATIONS"	College of VLB Janakiammal college of Arts & Science	22-5-2020	22-5-2020	22-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	MANAGEMENT DEXTERITY	Narasarao pet Engineering College (Autonomous)	22-5-2020	22-5-2020	22-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	" FACULTY AWARENESS PROGRAMME ON RESEARCH METHODOLOGY"	Joginpally B.R. Engineering college	27-5-2020	27-5-2020	27-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	INTERNATIONAL SURVEY ON CONTINUOUS PROFESSIONAL DEVELOPEMNT (CPD)		27-5-2020	27-5-2020	27-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	"ONLINE EDUCAITON CHALLENGES & SOLUTIONS"	PSG College of Arts & Science	27-5-2020	27-5-2020	27-5-2020



Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	ART OF WRITING & PUBLISHING RESEARCH PAPER AND APPLICATION OF STATISTICAL TOOLS	Aurora's Degree & PG College	27-5-2020 & 28-5- 2020	27-5-2020 & 28- 5-2020	27-5-2020 & 28-5- 2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	ACQUINTANCE ON ENTREPRENEURSHIP QUIZ	Narasarao pet Engineering College (Autonomous)	28-5-2020	28-5-2020	28-5-2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	Companies Act - 2013	Jamal Mohamed College - Tamil Nadu	29-05- 2020	29-05-2020	29-05- 2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	Role of Technocrats in safeguarding Biodiversity	Ani Neeruonda Institute of Technology and Science	5/6/2020	5/6/2020	5/6/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	Impact of Covid-19 on Indian stock market	L.R.G. Government Arts College for women	4/6/2020	4/6/2020	4/6/2020
Dr. B. BALANAGALAKSHMI & Dr.Santha Kumari	Transformation in Banking and financial services through information technology	Hindu College of management	30-5-2020	30-5-2020	30-5-2020



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*Department Academic Committee–Meeting*

**Dr.V.V.Madhav,**

HOD of Commerce and other faculty members,

participating in Department Academic Committee in HOD Chamber

on 17.06.2020

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*Department of Commerce - 6<sup>th</sup> Board of Studies Meeting*

**Dr.V.V.Madhav,** HOD of Commerce

**Mrs.P.Sri Lakshmi,** Enrolled Agent

a special invitee and other faculty members, Participating in 16th BOS on 22.06.2020 for the academic year 2020-21 Seminar Hall, L Block.

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DEPARTMENT OF  
MECHANICAL ENGINEERING



## Alumni Knowledge Sharing Session

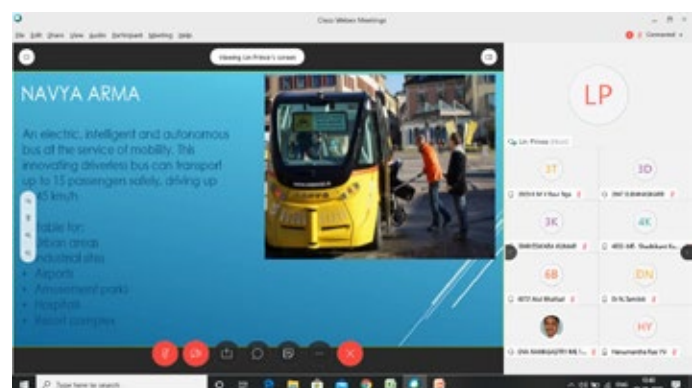
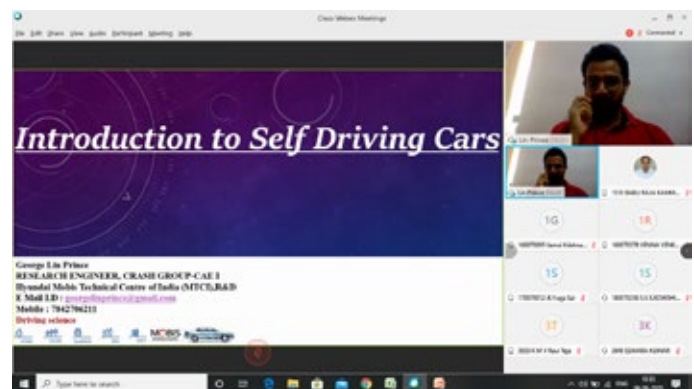
An Alumni Guest lecture was delivered through online(webex) on 06/06/2020 to IV yr B.Tech Mechanical Engineering students and Faculty of ME DEPARTMENT, Time : 10.30 TO 11.30am topic on "Introduction to self driving Cars and importance of Finite Element Modelling in real life applications" by 2014-2018 batch of Alumni of Mechanical Engineering Department Mr. GEORGE LIN PRINCE (Regno:14007164)–RESEARCH ENGINEER-CRASH AND SAFETY - HYUNDAI MOBIS, Contact:7842706211.

He talked about self driving cars like NAVYA ARMA, RINSPEED OASIS, WAYMO: The Google self driving project, TESLA AUTO PILOT, OEDR (Object-event –detection-response systems) and also he talked on SAE classification of driving levels of automotive systems (level 0,1,2,3,4,5) and RADAR systems, pros and cons, ethical problems, and vehicle automation process like MECHATRONICS, ARTIFICIAL INTELLIGENCE, MULTI AGENT SYSTEMS, VEHICLE HARDWARE, SENSORS. He concluded vehicular communication systems are an emerging type of networks in which vehicles and roadside units are the communicating nodes, providing with other with information such as safety, warnings, and traffic information. AUTONOMOUS CARS integrated with vehicular communication systems can be more effective in avoiding crashes and traffic congestions.

### WEBEX Link :

<https://meetingsapac20.webex.com/meetingsapac20/j.php?MTID=m6fb5741ed69caf743d5d7353ed99633d>

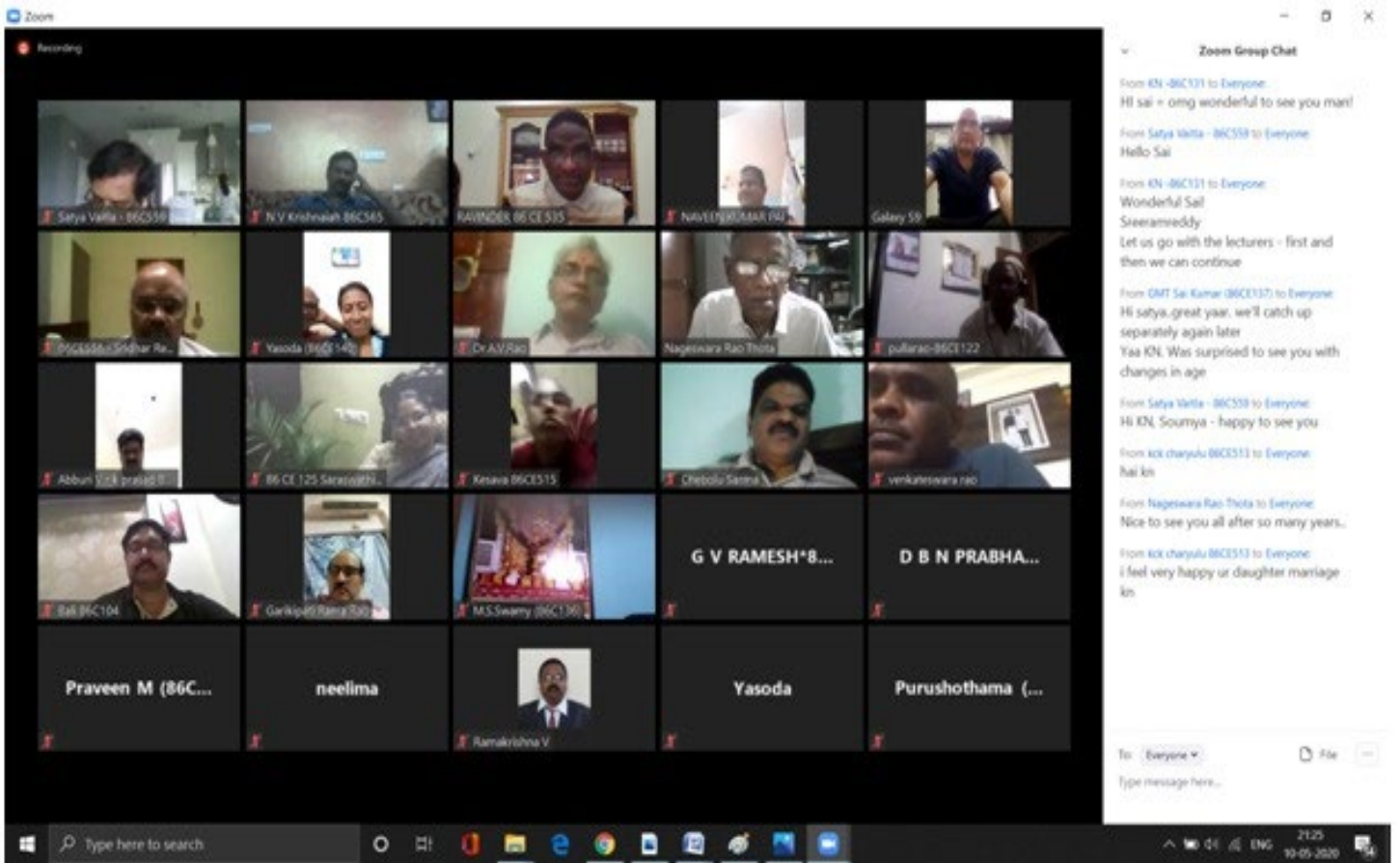
### Some Glimses of Guest Lecture



### Some Glimses of Guest Lecture

An Alumni meeting 1986-1990 batch was conducted on 10th May 2020 through zoom meeting. The Alumni were overjoyed with emotion and were very happy meeting old friends, sharing views and experiences, college life & memories with each other and Pro Vice chancellor sir addressed the gathering and shared his views with alumni and interacted with them during the meeting. Alumni said that they have attained great positions in different domains only because of the knowledge & values they have learned at KLCE.





**Zoom Group Chat**

From KN -BCE131 to Everyone:  
Hi sai - omg wonderful to see you man!

From Satya Vatta - BCE519 to Everyone:  
Hello Sai

From KN -BCE131 to Everyone:  
Wonderful Sai!  
Sreeramreddy:  
Let us go with the lecturers - first and then we can continue

From GMT Sai Kumar (BCE137) to Everyone:  
Hi satya.great year. we'll catch up separately again later  
Yaa KN. Was surprised to see you with changes in age

From Satya Vatta - BCE519 to Everyone:  
Hi KN, Sourmya - happy to see you

From kck charyulu (BCE513) to Everyone:  
hai kn

From Nagewara Rao Thota to Everyone:  
Nice to see you all after so many years..

From kck charyulu (BCE513) to Everyone:  
i feel very happy ur daughter marriage kn

To: Everyone  
Type message here...



**Zoom Meeting Grid**

Participants visible in the grid include:

- Vishal (BCE133)
- Budd Prasad Rao
- Rabindra
- BCE173 - Lakshmi...
- BCE542-SMSHARMA
- BCE520Bharadwa
- B6 CE 546 Sivam D
- kck charyulu (BCE513)
- Sarat Bobba (BCE120)
- BCE509-S C Sekhar
- BCE121-PURNA CH...
- GMT Sai Kumar (BCE1...
- Srinivas Potluri (B6...
- Innevisulu G... (B6C...
- BCE112-MADHUK K...
- SujithG (BCE135)
- Naven k Pai (BCE416)
- BCE531-SOMASU...
- Lambodar Prasad Pai...
- KN -BCE131
- BCE1330 Purushotham
- Sourmya BCE129
- Gupta (BCE545)
- BCE123-RADHKA
- G.V RAMESH

Zoom Meeting Controls: Mute, Stop Video, Participants (50), Chat, Share Screen, Record, Reactions, Leave Meeting



## Online Webinar Session and Faculty Development

During Lock down, Phase II enhances their research and technical skills while educating the educators for the "ONLINE LIVE WEBINAR SERIES". It's open to all engineering faculty and students of all colleges / universities across India.

Lecture Webinars: In order to keep the students active at study and for them to still maintain the level of continuous learning, the department of mechanical engineering has organized a series of webinars delivered by the expert faculty speakers. The webinar comprised of recent and upcoming trends in engineering such as Industry 4.0, Intellectual Property Rights, Computational Fluid Dynamics and many more.

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**FUTURE ROBOTS AND INDUSTRY 4.0**

**Dr. A. Srinath**  
HOD-ME

23/04/2020 & 06/05/2020  
10:00 to 11:00 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**ENERGY CONSERVATION AND MANAGEMENT IN INDUSTRY AND COMMERCIAL BUILDINGS**

**Dr. K.V. Narasimha Rao**  
Professor ME

17/04/2020 & 18/04/2020  
10:00 to 11:00 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**INTELLECTUAL PROPERTY RIGHTS (PATENTS)**

**Mr. A. Eswar Kumar**  
Assistant Professor ME

20/04/2020 & 21/04/2020  
10:00 to 11:00 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**FINITE ELEMENT ANALYSIS-Fea**

**Prof. D.V.A Rama Sastry**  
Deputy HoD ME

22/04/2020 & 24/04/2020  
10:30 to 11:15 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**CNC COMPUTERISED NUMERICAL CONTROL PART PROGRAMS**

**Dr. S.S. Rao**  
Professor -ME

25/04/2020 @10:00  
06/05/2020 @09:30 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**CONDITION MONITORING AND FAULT DIAGNOSIS**

**Dr. G.Diwakar**  
Professor -ME

25/04/2020 @11:00 AM  
06/05/2020 @10:30 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**COMPUTATIONAL FLUID DYNAMICS - CFD**

**Dr Atul Bhattad**  
Associate Professor -ME

02/05/2020 & 04/05/2020  
09:30 to 10:30 AM

Online registration link  
<https://forms.gle/yadbvfgFRBQzswox7>

SCAN ME

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
**COMPUTATIONAL HEAT TRANSFER**

**Dr. Rajesh Nimmagadda**  
Associate Professor -ME

02/05/2020 & 04/05/2020  
10:30 to 11:30 AM

Online registration link  
<https://forms.gle/yadbvfgfRBQzswox7>

**KL | ME**  
ONLINE WEBINAR EXPERT TALK SERIES  
MECHANICAL ENGINEERING DEPARTMENT

#LEARNFROMHOME  
SESSION 1- TOPOLOGY OPTIMISATION IN DIFFUSIVE HEAT TRANSFER-  
MODIFICATION OF SIGMUND'S 99 LINE MATLAB CODE  
SESSION 2- ENTROPY GENERATION MINIMISATION IN HEAT TRANSFER- A  
CASE STUDY

**Dr. T Anup Kumar**  
Professor -ME

05/05/2020@11:30 AM  
06/05/2020 @4:00PM

Online registration link  
<https://forms.gle/yadbvfgfRBQzswox7>

- One week FDP on "Life skills"(March 31st to April 6th) is conducted by ME dept KLEF,FDP Is been DELIVERED By Dr.A.Srinath,professor&HOD, Mr.D.V.A Rama Sastry, Assoc prof, ME ,KLEF.
- Two weeks FDP on" Python programming "(April 4th to April 18th) is conducted by ME dept KLEF, delivered by Mr. Tirumala Sandeep Thota, Asst. Professor&Mr. Phanindra Kshatra D, Asst. Professor,ME, KLEF
- One week online workshop on " C Programming Techniques and Applications for Problem Solving of Mechanical Engineering " ( 4th may to 10 May)" has been conducted by ME DEPT, KLEF, Delivered by Mr.S.RAMESH KUMAR, Assitant professor ,ME DEPT,KLEF.
- An SDP is held between 18/05/2020 to 23/05/2020 for all Lab technicians from 11:00 am to 12:00 noon on: Auto CAD by Mr S Ramesh Kumar.
- An SDP is held on Spoken and Written English Communication by Ms. Hema Lab Programmer CAD Lab online through Zoom, from 25/05/2020 to 06/06/2020 two weeks. From 11:00 am to 1:00 pm.

### Online Webinar Session Organized by Association Committee and Professional Society Committee

During Lock down, Phase II enhances their research and technical skills while educating the educators for the "ONLINE LIVE WEBINAR SERIES". It's open to all engineering faculty and students of all colleges / universities across India.

Expert talks and Guest Lectures: In order to keep the students active at study and for them to still maintain the level of contineous learning, the department of mechanical engineering has organized a series of webinars delievered by the expert faculty speakers. The webinar comprised of recent and upcoming trends in engineering.

S.No	Name of the Inventors/ Applicant Name	Title of the patent/Design	Patent Number	Filing Date	Granted/ Registered	Status
1	1.Karteek Navuri 2.B.Kiran Kumar 3.B.Arun babu 4.M.Anitha Santhoshi	Chair with Foldable Plates	327814-001	3-Mar-2020	20-Apr-20	Design Approved/ Registered
2	1.Anna Eswara Kumar 2.K.Siva Kishore babu 3.T.Eswara Rao 4.J.Leela Kishan	Protect case for mobile phone	327905-001	05-Mar-2020	20-May-20	Design Approved/ Registered
3	1.Anna Eswara Kumar 2.J.Leela Kishan 3.B V Dharmendra	Tyre for Vehicles	323315-001	11-May-19	19-Jun-20	Design Approved/ Registered





DEPARTMENT OF  
CIVIL ENGINEERING



## Conferences

### Two Day Online National Conference On Emerging Trends In Civil Engineering (ETCE - 2020)

Department of Civil Engineering had organized an Two Day Online National Conference On Emerging Trends In Civil Engineering during 26th & 27th June, 2020 .More than 209 people from across the country participated in the conference. Key note lectures were delivered by the faculty from IITS and by eminent speakers from Industry personnel.

Two Day ONLINE National Conference ON  
**EMERGING TRENDS IN CIVIL ENGINEERING**  
(ETCE - 2020)  
26<sup>th</sup> & 27<sup>th</sup> June, 2020  
**Keynote address - 1**  
26.06.2020, 9.30 AM (IST)  
By  
**Er. C. A. Prasad,**  
President,  
Pre Engineered Structures Society of India

**LIVE**  
GoToMeeting  
Webinar ID: 695889397

Two Day ONLINE National Conference ON  
**EMERGING TRENDS IN CIVIL ENGINEERING**  
(ETCE - 2020)  
26<sup>th</sup> & 27<sup>th</sup> June, 2020  
**Keynote address - 2**  
26.06.2020, 10:15 AM (IST)  
By  
**Dr. Seshadri Sekhar Tirumala**  
Professor and Dean  
Construction Management and Research  
National Institute of Construction Management and Research,  
INDIA

**LIVE**  
GoToMeeting  
Webinar ID: 695889397

Two Day ONLINE National Conference ON  
**EMERGING TRENDS IN CIVIL ENGINEERING**  
(ETCE - 2020)  
26<sup>th</sup> & 27<sup>th</sup> June, 2020  
**Keynote address - 5**  
27.06.2020, 09.00 AM (IST)  
By  
**Dr. G. Venkatappa Rao,**  
Visiting Prof, IIT Gandhinagar

**LIVE**  
GoToMeeting  
Webinar ID: 217638349

Two Day ONLINE National Conference ON  
**EMERGING TRENDS IN CIVIL ENGINEERING**  
(ETCE - 2020)  
26<sup>th</sup> & 27<sup>th</sup> June, 2020  
**Keynote address - 6**  
27.06.2020, 09.45 AM (IST)  
By  
**Dr. S.T.G. Raghukanth**  
Professor, Dept. of Civil Engg.  
IIT Madras, India

**LIVE**  
GoToMeeting  
Webinar ID: 217638349

### FDP

### REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)

Department of Civil Engineering organized One Week Online Faculty Development Program On Remote Sensing and GIS Applications In Civil Engineering (RS&GISACE-2020). Sessions were convened by Eminent speakers across the world. About 210 people participated in the programme.



**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 2**  
(09.06.2020, 12 PM IST)

**Advances in Structural Health Monitoring.**

By  
Dr. Aamun Aboobin,  
Senior Lecturer,  
Materials and Structural Engineering,  
Bayero University, Kano Nigeria

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 3**  
(10.06.2020, 12 PM IST)

**Application of Remote Sensing and GIS on flood inundation mapping.**

By  
Dr. Sanjay Sharma,  
Scientist D, National Institute of Hydrology,  
Central for Flood Management Studies  
(Gwalior), Assam, India.

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 4**  
(11.06.2020, 12 AM IST)

**Basic Concepts of Geo-Spatial Analysis**

By  
Dr. Mukesh Kumar Tiwari,  
Asst. Prof & HOD,  
Department of Irrigation and Drainage Engg,  
Anand Agriculture University, Anand, Gujarat, India

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 5**  
(12.06.2020, 10 AM IST)

**Remote Sensing and GIS applications in Water Resources and Agriculture.**

By  
Dr. K. B. V. N. Phasinda,  
Asst. Prof. Dept. of Civil Engg  
IIT Hyderabad.

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 8**  
(12.06.2020, 2 PM IST)

**Metaheuristic optimization methods and their applications in Civil Engineering**

By  
Dr. Raju Kumar Bhattacharya,  
Professor, Dept. of Civil Engineering,  
IIT Guwahati.

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

**KL UNIVERSITY**

ONE WEEK ONLINE  
Faculty Development Program (FDP)  
On  
**REMOTE SENSING AND GIS APPLICATIONS IN CIVIL ENGINEERING (RS&GISACE-2020)**  
8<sup>th</sup> to 13<sup>th</sup> June, 2020

**Session - 7**  
(12.06.2020, 10 AM IST)

**Application of Remote Sensing and GIS in the field of Geology**

By  
Dr. M. A. Mohammed Aslam,  
Prof and Dean,  
Dept. of Geology, School of Earth Sciences,  
Central University of Karnataka, Karnataka, India

Webinar ID: 44149148  
GoToMeeting  
Webinar ID: 44149148

## Webinars

Faculty of civil engineering conducted about 19 webinars across various fields:

Webinar No	Date	Time	Speaker	Title	Meeting ID	No. of Participants		
						Out Side KLU	In KLU	Total
1	5/1/2020	11.00 -12.00	Dr.V.Ranga rao	Sustainability of construction practices	zoom: 73973718121	48	14	62
2	5/18/2020	11.00 -12.00	Dr.Hamim Syed	Magnetic Survey of Materoritic Impact Craters. A case study from Lonar Crater, Maharashtra, India.	282-992-557	146	26	172
3	5/19/2020	11.00 -12.00	Mr.N.Lingeshwaran	Staad foundation design (SAFE Software)	958-016-685	150	23	173
4	5/20/2020	11.00 -12.00	Dr. Veerendra kumar C Khed	Challenges in Design and Construction of Tall Structures	549-729-661	157	19	176
5	5/21/2020	11.00 -12.00	Mrs.Sree Laxmi	Automation in Water Supply and Smart Water Supply Systems.	285-573-413	148	21	169
6	5/22/2020	11.00 -12.00	Dr.B.Sarath Chandra Kumar	Experimental Study on Ground Granulated Blast Furnace Slag and Metakaolin based Geopolymer Concrete	404-683-245	131	22	153
7	5/23/2020	10.00 -11.00	Dr.CH.Hanumantha Rao	Advances In Geotechnical Investigations	843-548-269	182	46	228

8	5/23/2020	11.00 -12.00	Er.Sai Babu	Selection of Cement for Durable Construction	843-548-269	182	46	228
9	5/26/2020	11.00 -12.00	Dr. B Kameswara Rao.	Effect of Quality on Durability and Service Life of Concrete Structures	643-101-477	136	41	177
10	5/27/2020	11.00 -12.00	Mr. G.Sri Harsha	Analysis & Design of Tall Structures using Response Spectrum in ETABS	620-684-901	125	11	136
11	5/28/2020	11.00 -12.00	Dr. Sanjeet Kumar	Reservoir Sedimentation Assessment using Hydrological Modelling	324-101-549	114	19	133
12	5/29/2020	11.00 -12.00	Mr. T. Venkat Das	Cold form steel structures	990-990-365	107	45	152
13	5/30/2020	09.00 -10.00	Dr. Abhay Kumar Chaubey	Analysis of Composite Laminates	765-929-973	84	43	127
14	6/1/2020	11.00 -12.00	Dr.satish chandra	Fundamentals of remote Sensing and GIS	366-788-277	108	51	159
15	6/2/2020	11.00 -12.00	Dr.V.Ranga rao	Green Buildings	510-428-677	153	31	153
16	6/3/2020	11.00 -12.00	Dr.Aravindhnan	Challenges and Remedies in Biomedical Waste Management	668-442-501	107	30	137
17	6/4/2020	11.00 -12.00	Mr.Y.Himath Kumar	Experimental Study on Reinforced Geopolymer Concrete Columns Using GGBS	320-932-085	101	42	143
18	6/5/2020	11.00 -12.00	Dr.Naga Chaitanya	Environmental Auditing	110-248-349	159	41	200
19	6/6/2020	11.00 -12.00	Mr.K.J.Brama Chari	Safety challenges in construction industry	305-514-749	151	61	212

## Online Quiz

- **Mr. Sunny Agarwal** Assistant Professor of the department has conducted National Level Quiz on "Fluid Mechanics" from 16th June, 2020. Till now 2586 people participated globally and E-Certificates dispatched to those who passed the Quiz.
- **Mr. Sunny Agarwal** Assistant Professor of the department has conducted National Level Quiz on "Hydraulics and Hydraulic Machines" from 17th June, 2020. Till now 2086 people participated globally and E-Certificates dispatched to those who passed the Quiz.
- **Mr. Sunny Agarwal** Assistant Professor of the department has conducted National Level Quiz on "Water Resources Engineering" from 28th June, 2020. Till now 2696 people participated globally and E-Certificates dispatched to those who passed the Quiz.
- **Mr. N.Sandeep Kumar** Assistant Professor of the department has conducted National Level Quiz on "Soil Mechanics" from 18th June, 2020 to 25th June 2020. About 2300 people participated globally and E-Certificates dispatched to those who passed the Quiz
- **Mr. N.Sandeep Kumar** Assistant Professor of the department has conducted National Level Quiz on "Foundation Engineering" from 18th June, 2020 to 25th June 2020. About 2500 people participated globally and E-Certificates dispatched to those who passed the Quiz

## Workshop

- Faculty members of the Department of Civil Engineering participated in various workshops for enrichment of knowledge.

Sl. No.	Name of the Faculty	Name of the Work Shop	Details of the University/Institute Organizing the Program	Duration	From	To
1	Dr. A. Aravindan	Capacity Building program for teachers during and post Covid 19	Godavari Institute of Engineering and Technology	2 Day	28th May 2020	29th May 2020
2	Dr. A. Aravindan	Machine Learning with Phyton	RISE Krishna Sai group of Institution	3 Day	29th May 2020	31st May 2020
3	Dr. A. Aravindan	Innovation to Academician	Ramchandra College of Engineering	7 Days	11th May 2020	16th May 2020
4	Dr. A. Aravindan	Analysis and modelling of Pandemic Scenario Using empirical and GIS Technologies	LBR College of Engineering	3 Days	18th May 2020	20th May 2020
5	Lingeshwaran N	Analysis and modelling of Pandemic Scenario Using empirical and GIS Technologies	LBR College of Engineering	3 Days	18th May 2020	20th May 2020
6	Lingeshwaran N	Advances in Civil Engineering	Nagpur Institute of Technology	5 Days	26th May 2020	30th May 2020
7	Lingeshwaran N	Structural analysis using ETABS	APPSDC	14 Days	26th May 2020	7th June 2020
8	Lingeshwaran N	Staad. Pro	APPSDC	14 Days	26th May 2020	7th June 2020
9	Mr. G. Sri harsha	Architectural Modelling using REVIT	APPSDC	14 Days	26th May 2020	7th June 2020
10	Mr. G. Sri harsha	Building Drafting using AutoCAD	APPSDC	14 Days	26th May 2020	7th June 2020
11	Hemantharaja K	Advances in Civil Engineering	Nagpur Institute of Technology	5 Days	26th May 2020	30th May 2020
12	Hemantharaja K	Analysis and modelling of Pandemic Scenario Using empirical and GIS Technologies	LBR College of Engineering	3 Days	18th May 2020	20th May 2020
13	Vinod Y	Numerical and Statistical Methods with Python	NITTRK	7 Days	27th April 2020	1st May 2020
14	Hemantharaja K	Metro Rail Technology-Practices & Issues	Dalmia Cement	7 Days	11th May 2020	15th May 2020
15	Sree Lakshmi V	Metro Rail Technology-Practices & Issues	Dalmia Cement	7 Days	11th May 2020	15th May 2020



16	Lingeshwaran N	Metro Rail Technology- Practices & Issues	Dalmia Cement	7 Days	11th May 2020	15th May 2020
17	Lingeshwaran N	Indian Seismic codes	RMK Engineering College	5 Days	18th May 2020	22nd May 2020
18	Chaitanya Kumar J D	Metro Rail Technology- Practices & Issues	Dalmia Cement	7 Days	11th May 2020	15th May 2020
19	Mr. G. Sri harsha	Civil Engineering Research step forward	Gudlalleru Engineering College	6 Days	25th May 2020	30th May 2020
20	Lingeshwaran N	Civil Engineering Research step forward	Gudlalleru Engineering College	6 Days	25th May 2020	30th May 2020
21	Hemantharaja K	Civil Engineering Research step forward	Gudlalleru Engineering College	6 Days	25th May 2020	30th May 2020
22	Mr. G. Sri harsha	Innovation to Academician	Ramchandra College of Engineering	7 Days	11th May 2020	15th May 2020
23	Sandeep Kumar N	Innovation to Academician	Ramchandra College of Engineering	8 Days	11th May 2020	15th May 2020
24	Mr. G. Sri harsha	Next generation Intelligence	St. Peter Institute of Higher Education and Research	6 Days	20th May 2020	25th May 2020
25	Dr. Hamim Jeelani Syed	Global Trends in Civil & Infrastructural Engineering	IARE	5 Days	26th May 2020	30th May 2020
26	Dr. Hamim Jeelani Syed	Innovation to Academician	Ramchandra College of Engineering	7 Days	11th May 2020	16th May 2020
27	Dr. Hamim Jeelani Syed	Next generation Intelligence	St. Peter Institute of Higher Education and Research	6 Days	20th May 2020	25th May 2020
28	Dr. Hamim Jeelani Syed	Practical Aspect of Finite Analysis using Abacus	APPSDC	10 Days	18th April 2020	24th April 2020
29	Dr. Hamim Jeelani Syed	Research Methodology	Shri Chhatrapathi Shivajirae College of Engineering	6 Days	20th May 2020	25th May 2020
30	Dr. A. Aravindan	Next generation Intelligence	St. Peter Institute of Higher Education and Research	6 Days	20th May 2020	25th May 2020
31	K S Chamberlin	Innovation to Academician	Ramchandra College of Engineering	6 Days	11th May 2020	16th May 2020
32	Mr.Sunny Agarwal	Innovation to Academician	Ramchandra College of Engineering	6 Days	11th May 2020	16th May 2020
33	Mr.Sunny Agarwal	Analysis and modelling of Pandemic Scenario Using empirical and GIS Technologies	LBR College of Engineering	3 Days	18th May 2020	20th May 2020

34	Mr. Sunny Agarwal	Emerging Technologies in Civil Engineering	J B Institute of Engineering and Technology	7 Days	8th June 2020	13th June, 2020
35	Mr. Sunny Agarwal	Geospatial Applications in Water Resources	St. Joseph's Institute of Technology,	3Days	15th June 2020	17th June, 2020
36	Mr. Sunny Agarwal	Multi Disciplinary Approaches in Civil Engineering	Nalla Narasimha Reddy College of Engineering	5Days	29th May 2020	3rd June, 2020
37	K S Chamberlin	Modelling And Optimization Techniques For Materials And Manufacturing Processes	Lakireddy Bali Reddy College Of Engineering		18th May 2020	22nd May 2020
38	Mr.N.Sandeep Kumar	CURRENT DEVELOPMENT IN CIVIL ENGINEERING: NEED FOR SUSTAINABLE DESIGNS	Lingayas Institute of Management and Technology	3Days	8th June 2020	10th June, 2020
39	Mr.N.Sandeep Kumar	FDP on Emerging Technologies in Civil Engineering	JBIET	7Days	1st June 2020	6th June, 2020
40	Mr.N.Sandeep Kumar	Remote Sensing and GIS Applications	K L University	5Days	8th June 2020	12th June, 2020
41	Mr.N.Sandeep Kumar	IoT and AI Applications	K L University	5Days	1st June 2020	6th June, 2020

## Faculty Publications

Sandeep G, Vinod Y "Seismic Evaluation of Prestressed Concrete Box Girder Bridge" Test Engineering And Management: ISSN: 0193-4120 Page No. 13695 -13700, Volume 83 Publication Issue:March - April 2020

Kumar, P.V.A., Agarwal, S., & Ramanamurthy, P.V. " Forecasting regional scale rainfall and temperature using statistical downscaling model" Test Engineering and Management., vol. 83, pp. 9226–9235 Issue:March - April 2020

Harsha, S.S., Agarwal, S., & Kiran, C.H. " Regional Flood Forecasting using SWMM for Urban Catchment" Int . J. Eng. Advanced Technology., vol. 9, no. 3, pp. 1027–1031 Issue:March - April 2020

Harsha, S.S., Agarwal, S., & Kiran, C.H. " Urban Flood Modelling and Management using Storm Water Management Model" Test Engineering and Management., vol. 83, pp. 6160–6167 Issue:March - April 2020

Aind, S.P., & Agarwal, S. "Study of Heavy Metal Accumulation in Wastewater, Soil and Plants. Test Engineering and Management" vol. 83, pp. 6859-6867 Issue:March - April 2020

Gollapudi Devi Navya ,Bodapati Gnana Rahul "Improving Construction Safety Practices in India" Test Engineering and Management., May-2020 ISBN 0193-4120 Issue:March - April 2020

B. G. Rahul, B. Sarath Chandra Kumar " Study on Performance of Modified Bituminous Concrete Mix by using Metakaolin Test Engineering and Management" May-20 ISBN 0193-4120 Issue:March - April 2020

B. G. Rahul, B. Sarath Chandra Kumar " Performance of modified bituminous mix with GGBS as filler material" Test Engineering and Management., 20-May ISBN 0193-4120

Pratyusha Nibhanupudua Gnana Bodapati Rahul " Comparative study on use of precast framed structure

and precast load bearing wall structure” Materials Today: Proceedings 2020 ISBN 2214-7853

Lakshmisupriya Kanamarlapudi, Durga Chaitanya Kumar Jagarapu and Arunakanthi Eluru, “Punching shear resistance of supplementary cementitious concrete slab”, Materials Today: Proceedings, Volume 27, Part 2, 2020, Pages 1535-1540, <https://doi.org/10.1016/j.matpr.2020.03.193>.

Krishna Bhanu Jonalagadda , Durga Chaitanya Kumar Jagarapu, Arunakanthi Eluru, “Experimental analysis on supplementary cementitious materials with Alkali Resistant glass fibers”, Materials Today: Proceedings Volume 27, Part 2, 2020, Pages 1569-1574. <https://doi.org/10.1016/j.matpr.2020.03.209>

Lakshmisupriya Kanamarlapudi, Durga Chaitanya Kumar Jagarapu, Arunakanthi Eluru, “Experimental analysis of supplementary cementitious materials with glass fibers”, Proceedings, Volume 27, Part 2, 2020, Pages 1086-1091, Article in Press. [10.1007/s42452-020-2533-6](https://doi.org/10.1007/s42452-020-2533-6).

Krishna Bhanu Jonalagadda, Durga Chaitanya Kumar Jagarapu, Arunakanthi Eluru, “Experimental study on mechanical properties of supplementary cementitious materials”, Materials Today: Proceedings, Volume 27, Part 2, 2020, Pages 1099-1103. DOI: [10.1016/j.matpr.2020.01.474](https://doi.org/10.1016/j.matpr.2020.01.474).

V. Sarat Chandra, Lingeshwaran N, “Comparative Analysis of Hollow Brick Wall as Load Bearing Construction and Framed Structures”, Materials Today Proceedings, Volume 27, Part 2, DOI: [10.1016/j.matpr.2020.04.541](https://doi.org/10.1016/j.matpr.2020.04.541).

D. Ram Rahul, Lingeshwaran N, “Experimental and Comparative Study on Hollow Brick Walls having Truss and Ladder type Reinforcement under Axial Loading”, Materials Today Proceedings, Volume 27, Part 2, DOI: [10.1016/j.matpr.2020.04.860](https://doi.org/10.1016/j.matpr.2020.04.860).

Chintakrindi V Kanaka Sarath, K Ashok Kumar, Lingeshwaran N, Vignesh Kannan S, Pratheba S, “Study On Analysis And Design Of A Multi-Storey Building With A Single Column Using Staad Pro”, Materials Today Proceedings, Volume 27, Part 2, DOI: [10.1016/j.matpr.2020.06.073](https://doi.org/10.1016/j.matpr.2020.06.073).

matpr.2020.06.073.

Kumar A, Pratheba S, Rajendran R, Perumal K, Lingeshwaran N, “An Experimental Study on the Mechanical Properties of Concrete Replacing Sand with Quarry Dust and Waste Foundry Sand”, Materials Today Proceedings, Volume 27, Part 2, DOI: [10.1016/j.matpr.2020.06.271](https://doi.org/10.1016/j.matpr.2020.06.271)

Harini B, Lingeshwaran N, Perumal K, “Sustainable Design Of Cold Formed Steel”, Materials Today Proceedings, Volume 27, Part 2.

Visalakshi B.S.S, Sri Harsha G, “ Enhancement of Shear strength of deep beams using hybrid fibres and suggesting alternative for strut and tie model” Materials Today: Proceedings, Volume 27, Part 2, 2020, DOI: <https://doi.org/10.1016/j.matpr.2020.05.454>

Sandeep Shankar C, Sri Harsha G, “Finite Element Analysis of RC Deep Beams strengthened with I Section and truss reinforcement”, Materials Today: Proceedings, Volume 27, Part 2, 2020, DOI: <https://doi.org/10.1016/j.matpr.2020.03.579>

V. Kiranmayee,, Dr.A.Aravindan, Dr Hamraj,” A Review on Mechanical Strength of Fibre and Hybrid Fibre Reinforced Geopolymer Concrete”, Journal of Advance Research in Dynamic & Control system, ISSN:1943-023X, Volume-12, Issue 02, 2020, page:562-571

## Activities by CEA

Members of Civil Engineering Association of Department of Civil Engineering had created awareness about Covid-19 and distributed essential food items to people in need during Lockdown in April-2020.







## New Faculty Entrants

**Dr. Umesh Kumar Singh:** An associate Professor at the department of civil engineering. He obtained his Ph.D. degree in "hydraulics engineering" under civil engineering department from IIT Roorkee. He did his M.Tech from IIT Kharagpur in specialization of "Water Resources Development & Management" and B.Tech in "Agricultural Engineering" from CSAUAT Kanpur. Previously he has teaching experience and worked as research professional at IIT Roorkee and IIT Delhi. He has ten number of international journal publication under SCI/Scopus indexed, two national/international book chapters, and ten number of national/international conferences. He has been the reviewer for publication like Springer, Elsevier, Taylor & Francis, etc. He has the recipient of best paper award for one of his publication and awarded for best paper presentation in one of national seminar.



Before joining the K L University, I have several questions in mind like how good will the university, about opportunities, about faculty/staff, etc.? I am stating from the joining process; it's a hustle free process as the staffs are so cooperative. I joined the university on June 18, 2020. When I entered in campus here, it's a pleasant environment that I feel. I started to explore the campus; I was amazed by the green-lush campus, attractive infrastructures, well equipped laboratory, quality and friendly faculties having degree from prestigious institutions, any many more. One

of the most attractive points within the campus that I found is the university central library which is well equipped with the all needed resources along with attractive infrastructure. Now, coming to the activities points where I got the chance to involve in very short period of time. University/department is involved in various online activities program. I got the honor by co-chair a session of national seminar conducted by civil engineering department. I also got the opportunity to enhance my skills by participating in Online FDP on "Instructional Design and Delivery Systems" for Faculty Members of KLU organized by NITTTTR, Chennai from 29.06.2020 to 04.07.2020. It's good to see that university is continuously making a great effort to achieve a higher mark. I am glad and thanks to K L University management who provided me the opportunity to be here.



**Dr. Ashwin Raut:** A newly recruited Associate Professor at Department of Civil Engineering. Dr. Ashwin did his bachelor's degree from Nagpur University and then studied Master's Degree in Construction Technology and Management at Visvesvaraya National Institute of Technology, Nagpur. Then, he choose to pursue Doctoral degree and earned Ph.D. from Universiti Tun Hussein Onn Malaysia (UTHM), Johor. He got an award of Graduate on Time (GOT) for completing his degree within 3 years. During his academic career he worked at SreeDattha

Institute of Engineering and science, Hyderabad for 3 years, where he was designated as Head of Civil Engineering department. For his research he has been awarded Silver Medal at International Research and Innovation (R&I) festival at Universiti Tun Hussein Onn Malaysia (UTHM), Johor. Also, he has been awarded Bronze medal at Malaysian Technological Expo (MTE) at 2017 for his research work. He has published 10 Scopus Indexed papers and 6 SCI papers. Also, he has been actively presenting in conferences abroad in places like Australia, S. Korea, Macau. He has also reviewed several research papers from renowned journal and for that he has been awarded as Outstanding Reviewer Award from Construction and Building Materials – Elsevier.

Recently, I joined Department of Civil Engineering at KL University. I have observed that department is full of young and energetic doctorates from esteemed institutions. Also, some senior professors from whom I hope I can learn a lot. I think KLU is a place where I can expand my potential and develop further with the support of my colleagues and management. Travelling to a unknown place is not easy during the currently ongoing COVID-19 pandemic situation. But, I felt that from the day one I got support and never felt any difficulty in getting acquainted. Also, the academic culture of KLU seems to be vibrant as the faculty members are in constantly in touch with the students. During this tough times as well students has been taught well and also their assessment has been conducted with ease. Talking about the campus I feel that, I have not visited such a lush green campus in many years. Also, One of the nicest thing about the university management is that they are looking after faculty members health in this situation. There has been certain protocols followed to give sense of security amongst its staff during this troubling situation. Just I feel that still haven't been connected to the students, would like to be in touch with them and build the connection. I am eagerly waiting for upcoming semester, to learn online teaching methodologies and gain knowledge in pedagogical methods of teaching. Currently I am getting acquainted with the planning phase of academic activities. Finally, I just want to say – "This is just a beginning of long learning curve in my professional life and want persistent support from my peers and the institution".



## University Level Events:

### Ph.D Awarded by KLU

Sl No	Name of Faculty (as Supervisor)	Name of Scholar	Date of Notification	University	Research Area
1	Dr. B. V Appa Rao	Mr. Y Suresh Kumar	24/6/2020	K L deemed to be University	Applied Mathematics
2	Dr. B Srinivasa Kumar	M Vasantha	26/6/2020	KL deemed to be University	Applied Mathematics

### Research Publications

S.No	Title of the Paper	EMP / Student / Scholar Name	Journal / Conference Name	Primary Indexing Data Base
1	DOMINATION IN REGULAR AND IRREGULAR BIPOLAR FUZZY GRAPHS	T.Nageswara Rao	Journal of Critical Reviews	Scopus
2	Split and Non-Split Domination on Anti Fuzzy Graph	T.Nageswara Rao	Jour of Adv Research in Dynamical & Control System	Scopus
3	METHOD FOR EFFECTIVE CUSTOMER ENGAGEMENT USING MULTILAYERED FEED FORWARD NEURAL NETWORK AND FUZZY LOGIC	G.Suresh Kumar	Intellectual Property India	Patent Publication
4	TRAFFIC CONTROL MANAGEMENT SYSTEM ON THE BASIS OF TRAFFIC DENSITY	K.Pushpalatha	International Journal of Advanced Science and Technology	
5	Effectiveness of Simulation Teaching Among Under Graduate Nursing Students In Child Care	N.Konda Reddy	Journal of Critical Review	



6	Awareness of Biomedical Waste Management Among Nursing Personnel and Auxiliary Staff	N.Konda Reddy	Journal of Critical Review	
7	The Problem With Quality And Quantity Dependent Demand	N.Konda Reddy	International Journal Of Scientific & Technology Research	
8	Reliable and Efficient ECF Image Cryptography Based on Chaotic System and RNS", Test Engineering and Management	Venkata Subrahmanyam Sajja, G. Balaji Prakash	Test Engineering and Management	Scopus
9	Branding Strategies Of Global Brands (A Perceptual Analysis Of Local Strategies)	N.Konda Reddy	International Journal Of Scientific & Technology Research	
10	The Impact Of Strategic Quality Research On Indian Universities (An Overview Of Research Perspective)	N.Konda Reddy	International Journal Of Scientific & Technology Research	
11	CARTESIAN PRODUCT ON FUZZY IDEALS OF A TERNARY -SEMIGROUP	Dr Y. Bhargavi, Dr T. Eswarlal, Dr S. Ragamayi	Advances in Mathematics: Scientific Journal	Scopus
12	Lattice fuzzy prime ideal of a gamma- near ring	S. Ragamayi, Y.Bhargavi, P.Bindu	Journal of critical Reviews	Scopus
13	Second type nabla Hukuhara differentiability for fuzzy functions on time scales	G.Suresh Kumar	ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS –	Scopus
14	Generalized Nabla Differentiability and Integrability for Fuzzy Functions on Time Scales	G.Suresh Kumar	Axioms	Scopus
15	Analysis of Airline Connectivity using Network Science	D.Satish Kumar	International Journal of Psychosocial Rehabilitation,	Scopus
16	Observability for Impulsive Matrix Sylvester Systems on Time Scales with Delta Settings	Appa Rao B. V, T.S.Rao, T. Nageswara Rao, G. Balaji Prakash	Test engineering and Management	Scopus
17	ANTI FUZZYGAMMANEAR-ALGEBRASOVERANTIFUZZYFIELDS	V B V N Prasad, T S Rao	Journal of Critical Reviews	
18	Discussion on the almost Z-contraction	V.M.L.Hima Bindu	Open Mathematics	SCIE, Scopus, Web of science
19	Some Generating Relations of Generalized Hypergeometric 2D polynomials by Lie Group - Theoretic Method	V.S.Bhagavan	International Journal of Disaster Recovery and Business Continuity	Scopus

20	ANALYSIS OF HEAT AND MASS TRANSFER ON STEADY MHD CASSON FLUID FLOW PAST AN INCLINED POROUS STRETCHING SHEET WITH VISCOUS DISSIPATION AND THERMAL RADIATION	K. V. CHANDRA SEKHAR	International Journal of Mechanical and Production Engineering Research and Development	Scopus
21	Group-Theoretical study of Certain Generating Functions for Two variable Hypergeometric Polynomials	V.S.Bhagavan	International Journal of Advanced Science and Technology	Scopus
22	Optimization of responses using balanced ternary designs	K. Rajya Lakshmi	International Journal of Advanced Science and Technology	Scopus
23	An empirical study of second order rotatable designs under tri-diagonal correlated structure of errors using a pair of partially balanced incomplete block type designs	K. Rajya Lakshmi	Thailand Statistician	Scopus, ESCI
24	A Study on Translational Invariant Vague Set of a -Semiring	Dr Y. Bhargavi	Afrika Matematika	Scopus, Web of Science
25	A Note On Stone Spaces Of Advanced Distributive Lattices	V.B.V.N Prasad,T.S. Rao,G.Balaji Prakash	International Journal of Advanced Science and Technology	Scopus
26	A study on MHD fluid flow in parallel surface channel	N.Vedavathi	Journal of Xi'an University of Architecture & Technology	Scopus
27	Convective MHD Flow past an accelerated infinite vertical porous plate	Ch. V. Ramana Murthy	Jour of Adv Research in Dynamical & Control Systems	Scopus
28	Anti – Fuzzy Ideals (AFI) in Boolean Near Rings (BNR)	K pushpalatha, D.Ramesh	Test Engineering &Mangement	Scopus
29	MHD Free and Forced Convection flow of Newtonian fluid	N. Vedavathi1, K. Pushpalatha	AEGAEUM JOURNAL	
30	A Productive Chat Bot Replacing FAQ System Using Dialogflow	K pushpalatha	Test Engineering &Mangement	Scopus
31	Thermal radiation and chemical reaction effect on Casson Fluid, Heat and Mass Transfer over a Permeable Vertical Stretching Surface	P.Bindu	International Journal of Psychosocial Rehabilitation,	Scopus
32	Alpha1, alpha2 NEAR SUBTRACTION SEMIGROUPS	V B V N Prasad, K Pushpalatha	Journal of Critical Reviews	Scopus

33	MHD Nanofluid over a stretching surface immersed in double stratified media with radiation and partial slip conditions	W.Sridhar	International Journal of Advanced Science and Technology	Scopus
34	A literature survey of coronavirus (COVID 19) and diagnosis using RFO classifier	S. Ragamayi, Ch. Srinivasa kumar, Y.Bhargavi	International Journal of Psychosocial Rehabilitation	Scopus
35	On bipolar fuzzy sub ordered gamma-near rings	S.Ragamayi	TEST Engineering	Scopus
36	Organization politics and organizational development through effective employees	S. Ragamayi, N.Konda reddy	TEST Engineering	Scopus
37	Convective Flow of a Ferrofluid Between Rotating Stretchable Disks in An Anisotropic Porous Medium	P.Hari Prasad	International Journal of Advanced Science and Technology	Scopus
38	On Modified Jacobi Matrix Polynomials	N. Srimannarayana, M.Radha Madhavi, D.Ramesh	International Journal of Advanced Science and Technology	Scopus
39	Hydrodynamic Lubrication of Asymmetric Rollers by Power-Law Fluids	Venkata Subrahmanyam Sajj	International Journal on Emerging Technologies	Scopus
40	Cartesian Product on Vague Bi-ideals and Vague Interior Ideals of a $\lambda$ -Semiring	Dr Y. Bhargavi, Dr S. Ragamayi, Dr N. Konda Reddy	Test Engineering & Management	Scopus
41	IDENTIFICATION OF INFLUENCING PARAMETERS OF WATER QUALITY AND ITS ANALYSIS BY USING SPATIAL GRAPHS AND AUTOCORRELATION FUNCTION	G.Charan Kumar, K. Rajya Lakshmi	Journal of Critical Reviews	Scopus
42	RESULTS ON QUOTIENT B F-ALGEBRAS VIA INTERVAL VALUED FUZZY DUAL IDEALS	D. Ramesh, N.Srimannarayana,	International Journal of Advanced Science and Technology	Scopus
43	Indian Financial Services are 'Going Green'	N.Srimannarayana,G. Balaji Prakash	International Journal of Advanced Science and Technology	Scopus
44	Some Euler type triple integrals involving general class of multivariable Polynomials, special functions and multivariable Gimel function	N.Srimannarayana,	TEST Engineering	Scopus
45	Boundary Value Problem Solution With General Class Of Polynomial, Mseries And I-Function	N.Srimannarayana,	International Journal of Advanced Science and Technology	Scopus
46	An Application of the Multivariable Gimel-Function in Solving the General Differential Equation Governing the Forced Vibrations of Circular Membrane	N.Srimannarayana,	TEST Engineering	Scopus



47	On A Fractional Differential Operator Involving Modified Multivariable I-Function And Product Of General Class Of Polynomials	N.Srimannarayana,	TEST Engineering	Scopus
48	Certain class of Eulerian integrals of modified multivariable I-function of Prasad	N.Srimannarayana,	Journal of Xi'an University of Architecture & Technology	Scopus
49	On finite double integrals involving a general multivariable polynomial and modified generalized multivariable I-function of Prasad	N.Srimannarayana,	Journal of Xi'an University of Architecture & Technology	Scopus
50	Elliptic Curve Cryptography with a Special Focus on Reduction of the Cipher Size of ECC using Chebyshev Polynomial	D.Satish kumar	TEST Engineering management	Scopus
51	Design and Implement an Artificial Intelligence based Zombie's Application using Unity3D	D.Satish kumar	TEST Engineering management	Scopus
52	Hydrodynamic flow between rotating stretchable disks in an orthotropic porous medium	P. Hari Prasad	Songklanakar J. Sci. Technol	Scopus
53	MULTI VAGUEGROUPS	T.Eswarlal	NOVYI MIR Research Journal	Web of Science
54	Viscoelastic Mixed Convection Fluid Flow in between Parallel Vertical Plates	D. Sateesh Kumar, Ch. V Ramana Murthy, B.V. Apparao, W. Sridhar, G Balaji Prakash	TEST Engineering management	Scopus
55	Mixed convective flows on Al <sub>2</sub> O <sub>3</sub> – Engine oil nano fluid under the influence of thermal radiation & magnetic field over a vertical circular cylinder	M. Radha Madhavi, N. Srimannarayana, N. Vijaya	TEST Engineering management	Scopus
56	On vague ordred gamma near-rings	S.Ragamayi	TEST Engineering management	Scopus
57	Politics and organzinalational through effective employees	N.Konda reddy, S. Ragamayi	TEST Engineering management	Scopus
58	An Innovative Study on Lie Groups and Lie Algebras	B.Mahaboob, G. Balaji Prakash, V.B.V.N. Prasad, T.Nageswara Rao	TEST Engineering management	Scopus
59	An Application of C-language in Solving Minimum Spanning Connectivity of Clustered Cities to the Headquarter City	T.Nageswara Rao, G. Balaji Prakash, V.B.V.N. Prasad, B.Mahaboob	TEST Engineering management	Scopus

60	Some Special Characteristics of Atoms in Lattice Ordered Loops	R. Sunil Kumar, V. B .V .N. Prasad	TEST Engineering management	Scopus
61	Psi- Conditionally Asymptotically Stability of Difference System	T. S. Rao <sup>2</sup> , T Nageswara Rao , T Srinivasa Rao, V. B. V. N. Prasad	TEST Engineering management	Scopus
62	Some Basic Principles on Posets, Hasse Diagrams and Lattices	V. B .V .N. Prasad, T S Rao <sup>2</sup> , T.Nageswara Rao, K.Prasad	TEST Engineering management	Scopus
63	ALGEBRAIC AND TOPOLOGICAL ASPECTS IN PRE A*-ALGEBRA	T. Nageswara Rao, T. S. Rao <sup>2</sup>	Journal of Critical Reviews	Scopus
64	Design and Implement an Artificial Intelligence based Zombie's Application using Unity3D	D. Satish Kumar	TEST Engineering management	Scopus
65	Impacts of Thermophoresis, Joule heating and Soret & Dufour effects on mixed convective Jeffery fluid flow over an elongated sheet	N.Srimannarayana, M.Radha Madhavi, N.Vijaya	International Journal of Advanced Science and Technology	scopus
66	RESULTS ON QUOTIENT B F-ALGEBRAS VIA INTERVAL VALUED FUZZY DUAL	D.Ramesh,N. Srimannarayana	International Journal of Advanced Science and Technology	scopus
67	Mixed convective flows on Al <sub>2</sub> O <sub>3</sub> –Engine oil nano fluid under the influence of thermal radiation & magnetic field over a vertical circular cylinder	N.Srimannarayana, M.Radha Madhavi, N.Vijaya	TEST Engineering management	Scopus
68	HALL AND ION SLIP EFFECTS ON AG - WATER BASED MHDNANOFLUID FLOW OVER A SEMI-INFINITE VERTICAL PLATE EMBEDDED IN A POROUS MEDIUM	N.Vedavathi	Frontiers in Heat and Mass Transfer (FHMT)	Scopus,web of science
69	MULTI VAGUEGROUPS	T.Eswarlal	NOVYI MIR Research Journal	Web of Science
70	Inconsistent Sumudu Transform series decomposition method for assymetric nonlinear oscillations	B.V.Appa Rao	TEST Engineering management	Scopus
71	On the Psi -Instability of a Non-Linear Difference system	T. S. Rao <sup>2</sup> , V. B. V. N. Prasad, B. V. Appa Rao, T Nageswara Rao	TEST Engineering management	Scopus
72	Viscoelastic Mixed Convection Fluid Flow in between Parallel Vertical Plates.pdf	B.V.Appa Rao	TEST Engineering management	Scopus
73	Comments on the application of homotopy analysis method for investigating nonlinear oscillations	B.V.Appa Rao	TEST Engineering management	Scopus
74	An Innovative Study on Lie Groups and Lie Algebras	T.Nageswara Rao, G. Balaji Prakash, V.B.V.N. Prasad,B.Mahaboob	Test engineering and Management	Scopus

75	A New Vision on Solving a Variant Constraint Bulk Transshipment Problem using C-Language	T.Nageswara Rao, G. Balaji Prakash, V.B.V.N. Prasad,B.Mahaboob	Test engineering and Management	Scopus
76	An Application of C-language in Solving Minimum Spanning Connectivity of Clustered Cities to the Headquarter City	T.Nageswara Rao, G. Balaji Prakash, V.B.V.N. Prasad,B.Mahaboob	Test engineering and Management	Scopus

### Research Scholars Admissions:

Patents/Technology Transfer : 1

Dr. G. Suresh Kumar, associate professor, Patent Application has been published on 30/05/2020 on the Government website of Indian Patent Office.- Department of Mathematics, KLEF.

### Department Level Activities:

A. Engineering, KLUBS, Hotel Management, Commerce, CAM

a) Conferences

b) Workshops/Seminars /Guest lectures:

SI No	Faculty Name	Seminar
1	Dr. Ch. Ramana Murthy	Lecture on Blood flow through artery with mild stenosis-A Mathematical model held at KLEF, Dt. 30-6-2020.

A National Webinar has conducted on "A Systematic Statistical Approach for Optimal Solutions of Industrial Problems" by Dr.

B. Nageswara Rao, Dept of Mechanical engineering, Date: 05-06-2020, Time: 10:00 AM to 12:00 Noon

Total no. of participants: 1043

Web Link to join Webinar: <https://m.teamlink.co/3775850672>

c) Professional society activities

d) Student association activities

e) Industry relevant training / visits

f) Faculty Achievements:

Dr. B. Mahaboob has successfully completed

100 Course era courses in the name of KLEF.

g) Student Achievements /External participation

h) Department's Recognition –at National /

International Level

i) Webinars – Students

j) Projects/models/research

k) ONLINE COURSE DELIVERY





## Research Publications:

1. Mr. HemaChandra Rao Bitra, Research Scholar under the guidance of Dr.A.Venkateswara Rao, Assistant Professor, published a paper entitled "Synthesis and enhanced dielectric properties of copper oxide nanoparticles" in Materials Chemistry and Physics, with K L E F affiliation. Authors: HemaChandra Rao Bitra, A. VenkateswaraRao, K. SureshBabu, G. NarsingaRao. <https://doi.org/10.1016/j.matchemphys.2020.123379>, June-2020.
2. Dr.N.S.M.P.Latha Devi, Assoc. Professor published a paper entitled "Multi-year analysis of aerosol optical properties and implications to radiative forcing over urban Pretoria, South Africa", Kanike Raghavendra Kumar & Richard Boiyo & Rehana Khan & Na Kang & Xingna Yu2 & Venkataraman Sivakumar & Derek Griffith & Nulu Latha Devi, Theoretical and Applied Climatology, doi.org/10.1007/s00704-020-03183-7
3. Dr.N.S.M.P.Latha Devi, Assoc. Professor published a paper entitled "Temporal variations of PM concentrations, and its association with AOD and meteorology observed in Nanjing during the autumn and winter seasons of 2014-2017", NaKang, FarongDeng, RehanaKhan, Kanike Raghavendra Kumar, KangHu, XuelianWang, N.S.M.P.Latha Devi, Journal of Atmospheric and Solar-Terrestrial Physics(JASTP) Volume 203, 5th April 2020, 105273.
4. C.Sumalatha, R.D Chari, M.Venkateswarlu, P.Rekha Rani, K. Swapna. Sk/Mahamuda and As Rao, White light emission from Dy<sup>3+</sup>-doped ZnO+ Bi<sub>2</sub>O<sub>3</sub>+ BaF<sub>2</sub>+ B<sub>2</sub>O<sub>3</sub>+ TeO<sub>2</sub> glasses: Structural and spectroscopic properties, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 118568.
5. Dr G Sunita Sundari, Associate Professor published a paper " Photocatalytic Degradation of Methylene Blue via Cobalt Doped Fe<sub>3</sub>O<sub>4</sub> Nanoparticles" in Asian Journal of Chemistry.
6. Dr.MVVK.S.Prasad, Asst.Professor published a paper "On the ultraviolet B emissions of CaLaB<sub>7</sub>O<sub>13</sub>:Gd<sup>3+</sup> phosphor" Vijay Singha, M.V.V.K. Srinivas Prasad, A.S. Rao, J.L. Rao, Muhammad Irfan in Journal: Optik.
7. Dr.K.Swapna, Assoc.Professor, published a paper "Narrow-Band UVB-Emitting Gd-Doped SrY<sub>2</sub>O<sub>4</sub> Phosphors" Vijay Singh, K. Swapna, Sumandeep kaur, A.S.Rao and J.L.Rao "Journal of Electronic Materials"
8. Dr.K.Swapna, Assoc.Professor, published a paper "Enhanced visible green and 1.5 μm radiative emission of Er<sup>3+</sup> ions in Li<sub>2</sub>O-PbO-Al<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub> glasses for photonic applications", NishaDeopa, Mukesh K Sahu, Sumandeep kaur, Amanprasad, K.Swapna, Vinay kumar, R.Punia, A.S.Rao, "Journal of Rare Earths", Available online May 2020.
9. Dr.K.Swapna, Assoc.Professor, published a paper "Numerical Investigation of Wind load effect on optimized solar Panel design at high Altitudes", P. Surendra Reddy, Swapna Koneru, G. Kiran Kumar " Test Engineering and management"April 2020.

## Webinars/FDPs/Workshops Attended & Conducted:

### 1. Webinar Conducted by the department :

Dr. K.Raghavendra Kumar and Dr.N.S.M.P.Latha Devi Organized a webinar "Beat air pollution: covid 19 lockdown effects on air quality" on 05-06-2020.

### 2. Webinar attended by the faculty of the department:

1. Dr.N. S.M.P.Latha Devi, Assoc. Professor attended FDP on Internet of things and Artificial intelligence applications from 1st June to 6th June 2020 conducted by K L E F.
2. Dr.A.Venkateswara Rao, Asst. Professor attended FDP on Internet of things and Artificial intelligence applications from 1st June to 6th June 2020 conducted by K L E F.
3. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended Training in Excel from 29/05/2020 to 04/06/2020 conducted by K L E F.
4. Dr. A.Venkateswara Rao, Asst. Professor, attended Training in Excel from 29/05/2020 to 04/06/2020 conducted by K L E F.
5. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended International webinar on "Technology assisted teaching & virtual learning through ICT tools" from 25-05-2020 to 29-05-2020 organized by SBVR Educational institutions, Badvel, Kadapa.
6. Dr.A.Venkateswara Rao, Asst. Professor attended International webinar on "Technology assisted teaching & virtual learning through ICT tools" from 25-05-2020 to 29-05-2020 organized by SBVR Educational institutions, Badvel, Kadapa
7. Dr.A.Venkateswara Rao, attended a webinar on "Beat air pollution: covid 19 lockdown effects on air quality" on 05-06-2020.
8. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended national webinar on "The Use of Virtual Physics Labs - Creating Next Generation Teachers" Geethanjali

College of Engineering and Technology, Hyderabad.

9. Dr.A.Venkateswara Rao Asst.Professor attended Leadership talk by UGC chairman (09-05-2020).
10. Dr.A.Venkateswara Rao Asst.Professor attended No lockdown for solar energy (15-05-2020)
11. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended online workshop on Spectroscopic techniques organized by Immaculate college for women, Viriyur, Tamil nadu.
12. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended two week training programme on Python programming from 13-05-2020.
13. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended International webinar on "Materials and Environmental sciences" on 13-06-2020 to 14-06-2020 organized by Sir CRR A college, Eluru.
14. Dr.N.S.M.P.Latha Devi, Assoc. Professor participated in Yoga on International day of Yogaon 21-06-2020.
15. Dr.N.S.M.P.Latha Devi, Assoc. Professor participated in QUIZ : Awareness quiz on Corona virus on (29-04-2020), National technology day quiz competition on 11-05-2020.
16. Dr.N.S.M.P.Latha Devi, Assoc. Professor attended webinars From "Jugad" to "Systematic Adoption" of Technology on 17-04-2020, Education 4.0 IQAC (28-04-2020 to 30-04-2020), UML Global entrepreneurship on 29-04-2020, conceptual applied physics (05-05-2020 to 08-05-2020), Leadership talk by UGC chairman (09-05-2020), No lockdown for solar energy (15-05-2020), Planck`s constant: Key to Quantum World (19-05-2020), Problem based learning and mathematics at university (21-05-2020), Awareness and readiness of COVID 19 (26-05-2020), Robotics(31-05-2020), Impact of Covid-19 Pandemic on Scientific Research and Technology: An Industry Perspective (04-06-2020), Beat air pollution: covid 19 lockdown effects on air quality (05-06-2020) Organized by Department of Physics, KLEF, recent

advances in physics (10-06-2020), COVID19 : Technological challenges and perspectives(18-06-2020), Research on computational material science (19-06-2020), Perspectives on the corona virus crisis by Hinu college, Guntur (29-06-2020), Blended learning: an Indian perspective (29-06-2020).

17. Dr.A.Venkateswara Rao, attended a guest lecture "Artificial neural networks and applications" on 27 June, 2020
18. Dr.A.Venkateswara Rao, attended a National webinar on "Recent advances in materials for sensing and energy harvesting" on 22 June, 2020
19. Dr.A.Venkateswara Rao, attended online FDP on "Mentoring skills" from 1 to 3, June, 2020
20. Dr.A.Venkateswara Rao, attended a National webinar on "Star Robotics X-Pert" on 1, June, 2020
21. Dr. G Sunita Sundari, Assoc. Professor attended Training in Excel from 29/05/2020 to 04/06/2020 conducted by K L E F.

## Extension Activity :

As part of Extension Activity, Department of Physics faculty distributed masks to the employees of the K L E F





## Sponsored Projects Ongoing/Submitted:

### 1. Sponsored Projects submitted:

Dr.A.Venkateswara Rao, Assistant Professor submitted a project proposal entitled “STUDY OF TERNARY METAL VANADATES NANOCOMPOSITES AS HIGH PERFORMANCE PSEUDOCAPACITORS” to DST-SERB with the proposed amount Rs.51,66,480 in May, 2020.

### 2. Sponsored Projects Ongoing:

Funding Agency	Name of the Faculty	Project Title	Status
UGC-DAE	Dr G Sunita Sundari & Dr E HariKrishna	“Development of Ion Conducting Polymer Electrolyte using Thin film Nano Crystalline Composites for the Application towards Batteries”	Ongoing

Project Title	Funding Agency	Cost	Period	Remarks
DST-FIST Level-I File No: SR/FST/2018/00035 Dr. NSMP Latha Devi (Project Coordinator) Dr. G.Sunita Sundari Dr. Mahamuda Shaik Dr. K. Swapna Dr. A.Venkateswara Rao	DST, Govt. of India, New Delhi	112 Lakhs	5 years (2019-2024)	Ongoing (Project Implementation Group Members)

## Implementation Of The Dst Fist Project



**Department of Physics is very thankful to the Management and R&D Division for their continuous support**

Dr.N.S.M.P.Latha Devi, Assoc. Professor & Project Coordinator, DST-FIST (Level – 1) happy to inform that under DST-FIST (Level 1) project X-ray Diffractometer (Make: Malvern Pananalytical) equipment worth of Rs.93 Lakhs is reached to our University from Amsterdam, Netherlands on 20th June 2020. Hon'ble President Sir approved R.No. L001 for Advanced Functional materials lab to install X-ray Diffractometer.



## SMART VILLAGE REVOLUTION



### A Report on KLEF – SVR on “COVID – 19 LOCKDOWN” Activities at villages

This is to bring to your kind notice that KLEF - SVR is working and doing its duties at the villages with the help of the SVR team, who are residing in the villages, also with the help of Gram volunteers, anganwadi teachers and panchayat secretaries.

As now - a - days we are under **COVID -19 LOCK DOWN**, the villagers are facing the problems with regard to the health and economy. So as a part of SVR project works it (SVR) is working on the following programs to divert the mind of the people from this Pandemic.

#### Videos relating to:

1. Health
2. Economic Development by income generating activities
3. Compost making
4. Vegetable Gardening
5. Kitchen Gardening
6. Immunity Boosting Drinks
7. Leisure activities
8. Yoga and meditation
9. Making of Face Mask etc
10. Importance of Social distance
11. Care of the farmers in the field
12. Construction of Soak pits
13. Distribution of Vegetables and face masks

Eventually a poster was made in April month to conduct the competition among the people to motivate and divert their mind from this emotional panic stage was continued in this month also. KLEF – SVR team had made some videos relating to the above mentioned activities like cleaning the surroundings, kitchen gardening, income generating activities, meditation, compost making and immunity boosting drinks and the same were sent to the KLEF – SVR adopted villages as a model and to follow.

A huge response about the competition was come from our KLEF - SVR adopted villagers like **Kanimarla, Dasulapalem, Porat nagar, and Vellaturu and vedurubedum villages**. Some people send the videos on social distancing, hand wash, care to be taken in the field, vegetable garden or Kitchen garden etc to KLEF – SVR. We are motivating other villagers of five mandals (Reddigudem, Ibrahimpatnam, Mylavaram, Vijayawada rural, and G. konduru) of Krishna district.

As a part of Social concern and KLEF - SVR Responsibility, the team of KLEF – SVR had distributed the vegetables, and face masks in the villages, as they (villagers) do not have access and enough money to get the vegetables. Moreover local leaders are motivated to distribute the provisions to the people who are in need.

Regularly KLEF - SVR team is being in touch with the villagers through phone and the KLEF – SVR team who are residing at









**Important information on COVID-19**

**తుమ్మేటపుడు, దగ్గేటపుడు పాటించాల్సిన మర్యాదలు**

Issued in public interest by

**TATA TRUSTS**

As per guidelines issued by the Government of India

**Important information on COVID-19**

**సామాజిక దూరం**

Issued in public interest by

**TATA TRUSTS**

As per guidelines issued by the Government of India



Experience of villagers on KLEF – SVR distributed face masks

**ఇంటి బయట - ఇంటి పైబద్దే దూరం తప్పిద్దు**

**స్టాఫ్ బ్యాక్ వద్దు.. ఛాట్ బ్యాక్ మొదలు**

**ఇంటి బయట - ఇంటి పైబద్దే దూరం తప్పిద్దు**

**బయట చురుకుగా ఉండండి**

**Play (K)**

**NATIONAL HEALTH CARE**

0:01 / 2:53

**దాడి ఆటోమేట్ డిస్కం ఉండాలి**

**ఇంటి బయట - ఇంటి పైబద్దే దూరం తప్పిద్దు**

**బయట చురుకుగా ఉండండి**

On the Environmental Day, Soak pits, Sapling, and the people were encouraged to use the bicycle instead of Bike for Small Distances in the village



Participated as Resource Person in the Work shop Conducted by MHRD on 8/6/2020



Date	Morning Session	Resource Person
8/6/2020	Inaugural	Dr K Ramesh Reddy, State NSS officer, AP Ms T Santhya, Regional Director, SAP Project, MGNCRE Prof. S.R. Kotasaara Rao, NSS PC, Acharya N.G.Ranga Agricultural University Prof.L.Udayakumar, NSS PC, Acharya Nagarjuna University Shri Karthik, NSS PC, School of Planning & Architecture
Session 1 ( 11.00 am - 12.30 pm)	1. Swachhta Action Plan 2. Sanitation and Hygiene, Greenery 3. Community Engagement and Experiential Learning	M Sai Kiran, Coordinator, MGNCRE Dr O Srikant, NSS PC, RGURT, Nuzvid Dr Sarjan Rao, USA Regional Coordinator, AP
Session 2 (12.35pm - 3pm)	4. Water Conservation and Energy Conservation 5. Waste Management 6. Campus Action Plan	M Sai Kiran, Coordinator, MGNCRE Smt M Padmavathi, SAP Nodal officer, KL University Mr Tulasi, NSS PC, BIT Srikaly, Tirupathi
	Valedictory	Dr.P.Srikant Reddy, NSS PC, KL University Dr.A.Lakshmana Rao, NSS PC, SRM University





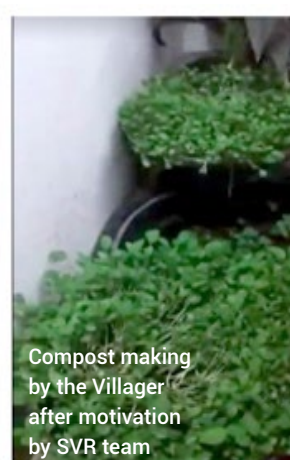
Distribution of Face Masks in the village on behalf of KLEF - SVR



Seed ball making for the plantation



Initiation of Community Garden in the Villages



Compost making by the Villager after motivation by SVR team

## Smart village Creative's activities

Event Name: online Drawing Competition conducted, Topic: wash your hands



**SMART VILLAGE ACTIVITIES**  
**DRAWING COMPETITION**  
 (Painting, Pencil Art, Poster)  
**TOPIC: WASH YOUR HANDS**

21<sup>st</sup> JUNE 2020 ONLINE EVENT

Certificates will be awarded to the Participants

**Contact:**  
 M. Rambabu, Asst Professor, Fine Arts  
 phone no: 9441701667

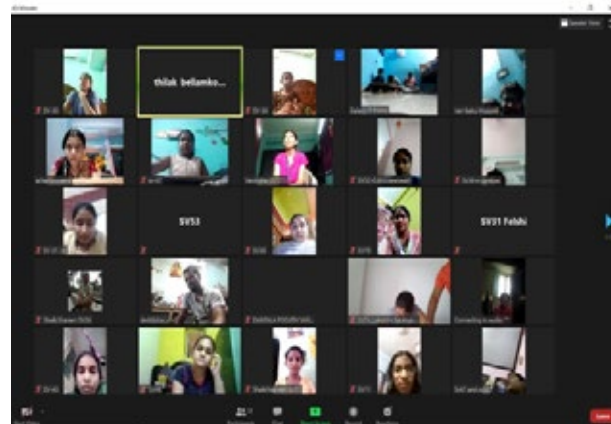
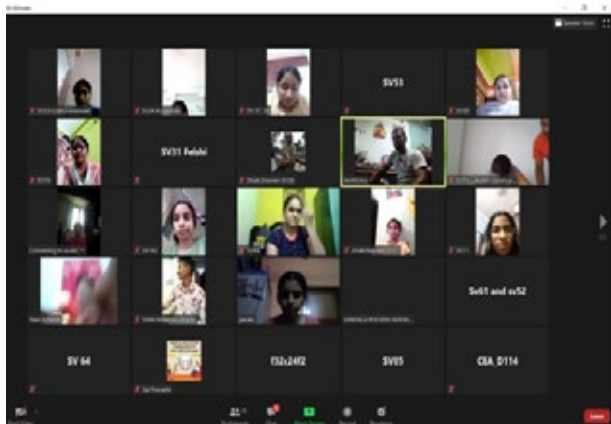
**Registration Link**  
<https://bit.ly/SVDRAWING>

[muppidiramuarist@kluniversity.in](mailto:muppidiramuarist@kluniversity.in) [ram.mdesnift@gmail.com](mailto:ram.mdesnift@gmail.com)

Smart village Volunteers of Dept of smart village ,Dept. of fine arts of K L E F has Conducted "Online Drawing competition " Interaction with the Students, villagers ,elders, on 21st June,2020, in all 10 of the village i.e Velvadam ,Kanimerla thanda, Vellaturu, Seetharampuramthanda,poratan agar,Dasulapalem,t.gannavaram,Nagulurut handa,jangalapalli,pinapaka as a part of this smart village Volunteers conducted in these program on june 21,2020. From Program Officer Mr. M.Rambabu. and Directors smart village Mr.Sai Vijay sai,Mr.K.Venkatesh,Team members in SVR Project Mrs.padmavathi,M. Gopi Chand,chandrashekar,ramnath,siva krishna,satyanarayana Dr.Gomathi Hod, Dr.Ravindra babu asst.professor and staff.

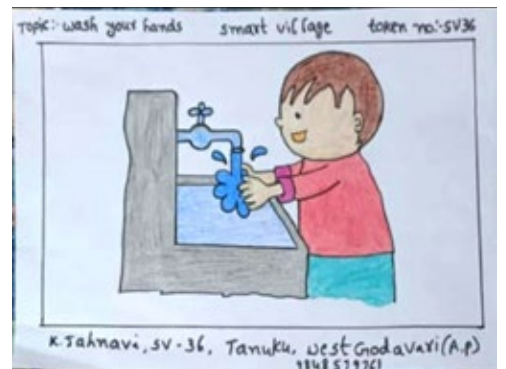
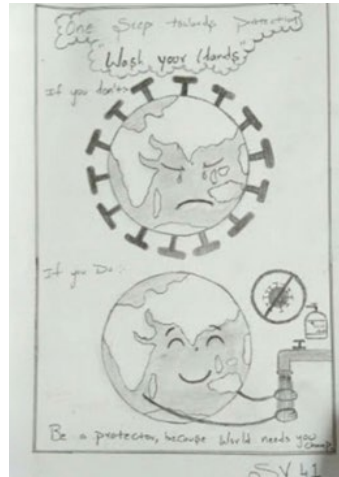
Covid 19 Handwashing is one of the best ways to protect yourself and your family from getting sick. Learn when and how you should wash your hands to stay healthy. Our team designed smart event wash your hands designed program me creatively. it is conducted by department of smart village.

### Participants





# Smart Village Painting Competition



Muppidi Sri Anvin ,2nd , Vijayawada, Andhrapradesh





## International Day of Yoga Celebrations on 21<sup>st</sup> June 2020-21

KL(Deemed to be University) Guntur Andhra Pradesh Organized the 6th International day of yoga in the campus at Department of Physical Education with great zeal and enthusiasm. Due to COVID-19 with the limited number of participants we are celebrated the 6th International Day of Yoga. Mr.Y.Hari Yoga Instructor KL(Deemed to be University) address the participants about the aims and objectives of the International Day of Yoga. In spite of this occasion, teaching and non-teaching staff were present in the programme and participated in the Yoga practice.. He is Conducted yoga session as per the directions of Govt Of India Ayush Department . demonstrated the different Asanas Pranayama and meditation.. and also explained the importance of various asanas for healthy lifestyle. Thereafter, the Instructor through the detail light on the importance of Yoga Day and emphasized each and everyone to make the Yoga part in their life,. in the present situation all over the world suffering about COVID-19 This asanas will improve the immunity power and self confidence. He said that university is conducting this event on regular basis due its health benefit and celebrating International Day of Yoga for the 6th consecutive year by the direction of UGC.





## FDP on Artificial Intelligence

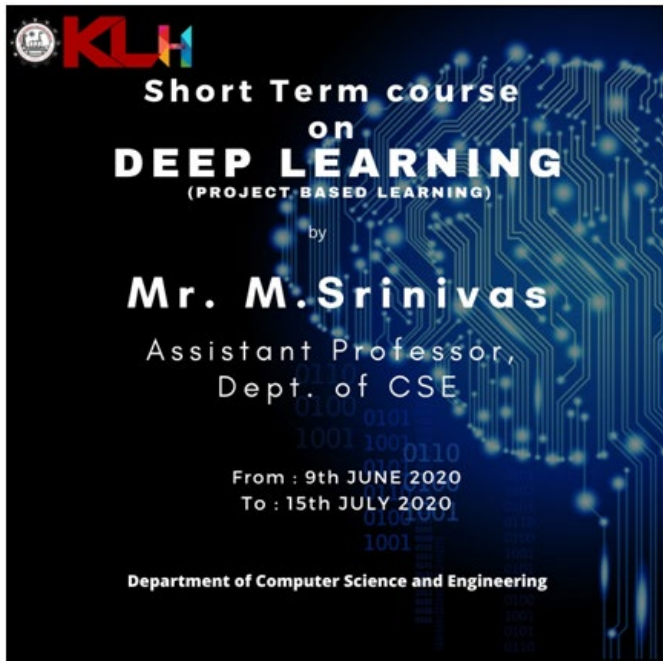
Mr. M.Srinivas, Assistant Professor, Dept. of CSE have organized a two day Faculty Development Program on "Artificial Intelligence and Machine Learning" at KLEF Hyderabad from April 30th 2020 to 1st May 2020. The idea of this FDP is to train the faculty and motivate the faculty to handle the Artificial Intelligence subject offered for B.Tech. II Year students. The total number of faculty registered and participated are 32, out of which 26 are faculty members from CSE Departments and 6 faculty members are from ECE Department.



## Short Term course on Deep Learning (Project Based Learning)

Mr. M.Srinivas, Assistant Professor, Dept. of CSE have organized a two week training Program on Project Based Learning for the course "Deep Learning" through online for KLEF Hyderabad students from 8th June 2020 to 22nd June 2020. The idea of this program is to train the current batch of B.Tech. III Year students to get experience in coding and to solve real time problems. The total numbers of students registered and participated are 130 and it is divided in groups where each group consists of four to five members. Totally, 25 projects are designed and it is given to the students. Students have actively participated and submitted the report with coding. Students got experience in working with Tensorflow and Deep Learning concepts. The course was initiated as there is huge demand for Artificial Intelligence and Deep Learning in the market as most of the companies are looking in to these domains. As this course is offered in B.Tech. III Year second semester, students got advantage in learning the Deep Learning concepts and during the course offered in the next semester for the current batch, students can execute the projects with challenging problems in society from the beginning day.





### Data Science project-Based Learning

Data Science project-Based Learning was initiated for developing the skills of the students through practical work and application. In the context of Data Science course, students performed data analyses on many different kinds of data using a wide variety of python libraries and tools.

Students worked on various data set repositories like kaggle, UCI Machine Learning Repository.

In the training program students exposed to

1. Practice writing complex code to solve specific problems pertaining to industry-specific data
2. Develop problem solving skills when different bugs arise
3. Practice skills to increase confidence in skilling abilities as a Data Scientist

Faculty In charge **Dr G REKHA Associate Professor Dept. of CSE**

1. Dr. REKHA GILLALA Associate Professor contributed as as a plenary resource person during the Day-6 Technical Session on the Topic of "Data Science (Hands-on)" in a 7 days Online Faculty Development Programme on "Data Science" Organized by Department of Computer Science , NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, Pollachi, Tamilnadu, India, from 18th May 2020 – 24th May 2020

### Street-Cause KLH Division Executive Board

Street Cause is the living embodiment of the quote, "A life without a Cause is a life without an Effect." The slogan that had been bringing in students of different ambitions and aspirations, together and driving them to be more than passive spectators to the inequities in our society.



We completed our recruitment of executive board of street cause by collaborating with social club and also completed Our first event so to make our upcoming event more effective and worthwhile

**Divisional President** – Rithesh Reddy – 190330319 - CSE II Year

**Associate President** – Janaki Vinitha– 180330125 - CSE III Year

Vice Presidents -

- Education – Jasti Yashaswini – 180330140 – CSE II Year
- Old-age & Orphanage – Chandana Yadav – 190330174 - CSE II Year
- Women Empowerment – Keerthana – 190330028 - CSE II Year

**Treasurer** - Pranav Gogineni – 19000071 - CSE II Year

**Documentation Head** – Koosmitha - 180340034 – ECE III Year

**Human Relations Head** – Nori Vaishnavi – 190330172 –



**Digital Head** – Divya – 190330049 – CSE II Year

**Public Relations Head** – Chaitanya – 190330311 – CSE II Year

**Event Name:** Mask Distribution Drive 29th and 30th of June 2020

Covid-19 has created a situation where the price of your life is paid off with a mask. No one would have thought wearing a mask becomes a daily routine.

So we the StreetCause KLUHYD took an initiative to share our love to the society by distributing the reusable triple layered masks to the old age home people who needed it the most. And event was done with all the precautions by maintaining social distance.

As a part of the drive, the Street Cause KLUHYD representatives had distributed masks to needy



## Student Achievements /External participation

1. Pramod Kumar(1803300030), Sai Chinmay(180330100),Sumanth(180330007), Sai Hruthik(180330010) and sai Ganesh(180330106) of CSE won 1st Prize in KLHackathon conducted by Dept. of CSE KLH on 7th MAY 2020.
2. Vallabh Sharma(180330164),Vittal ch(180330190), Sailesh sai(180330228), Sunil Dara(180330226),Vamshi Krishna(180330137), Pavan(180330229), Aravin Kumar(180330110), Chandish(180330277), Nikhilsai(180330253), Hrishika(180330253) and Keerthana V(180330288) of CSE won 2nd Prize in KLHackathon conducted by Dept. of CSE KLH on 7th MAY 2020.
3. Guru Sandeep(180330260), Sharath Chandra(180330191), Hrushikesh(180330189), Supraja E(180330279) and Sai Sresta(180330241) of CSE won 3rd Prize in KLHackathon conducted by Dept. of CSE KLH on 7th MAY 2020.
4. VOONNA SANJANA (180330290), Purnasri Podila (180330160), SERIKA MEKALA(180330276), SHIVA VARDHAN REDDY SINGIREDDY(180330168), KUNAPAREDDY CHANDRASAHITHI(180330262) and RACHAMALLA SAI SREE(180330043) have participated in the webinar titled Cyber Security as a career for job Aspirants on 07-06-2020 at MLR institute of Technology.
5. VOONNA SANJANA (180330290), Purnasri Podila (180330160), SERIKA MEKALA(180330276) ) , KUNAPAREDDY CHANDRASAHITHI(180330262) and RACHAMALLA SAI SREE(180330043) have has participated in webinar on "Data Science and Artificial Intelligence" in association with Data Computing" on 12-06-2020.
6. VOONNA SANJANA (180330290), Purnasri Podila (180330160), SERIKA MEKALA(180330276) , KUNAPAREDDY CHANDRASAHITHI(180330262) and

RACHAMALLA SAI SREE(180330043) have participated in WeThink Digital webinar on “Online Safety & Misinformation” hosted by Aurora's Scientific, Technological and Research Academy, on 12-06-2020.

7. K Yashaswini(190330120) has participated in Elearning program on Machine Learning conducted by Capability Development on 29-05-2020.
8. K Yashaswini(190330120) Awarded for successfully completing the course “Google analytics for Beginners”
9. Syed Hayath Yaseen(180330049) has successfully completed the MyCaptain Artificial Intelligence Course with Captain Rahul M Patil in June, 2020.



#### KLHACKATHON-2020

KL Hackathon-(Challenge on Full Stack Development) is a initiative started by Department of Computer Science & Engineering to provide Students a platform to solve real time problems and to inculcate a culture of team work to build an end product (software).

In view of this for 2nd years KL Hackathon-2020 conducted on full stack development Virtually, which compromises 254 participants and 60 teams, students were given real time challenges on Full Stack Development and they came up with the top class solutions.





## Student Achievements /Exte

Learning RPA will help us master all the skills needed in order to work on Robotic Process Automation, In view of this Department of Computer Science & Engineering Started the Program called "Train the Trainer" where the faculty gets train by Industry experts. During the "Train the Trainer" program Phase-I, Three faculties from Department of Computer Science & Engineering got trained in required skills for RPA by Automation Anywhere and got certified in Essentials RPA professional, Advanced RPA Professional certifications. Presently Phase-II "Train the Trainer" program is going on for seven faculties from Department of Computer Science & Engineering and they are expected to certify soon.



### Training on Core Python by the Dr. R. Nageswar Rao

Training on Core Python was conducted by the Dr. R. Nageswar Rao for all the students and staff of the KLH Campus. The training program started on 08th June 2020, With an objective "to provide the awareness on Core Python and its Importance in the AI and Data Science to the Basic Learners".

Dr. R. Nageswar Rao is the Author of 3 renowned Books "C Programming", "Core Java" and Core Python".

The training Program was organized for 2weeks, concepts

of Core Python were discussed by the Trainer and how Python is creating the job market, Python importance in Machine Learning, Data Science were discussed. In each topic interview questions were discussed by the trainer.

Two tests are conducted for all the participants based on the performance E-Certificate is provided to all the eligible participants.

At the ends of the training Skill based questions are given to the students for the practice purpose.

More than 400 participants attended the training program and all the participants expressed good feedback on the program and requested the KLH Management to conduct such programs more in future.



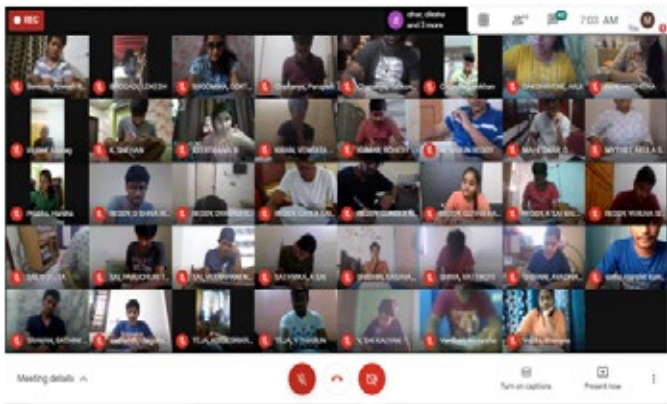
### COVID-19 AWARENESS QUIZ 2020 on 17th June 2020

Department of Computer Science organized COVID-19 Awareness Quiz for Intermediate Students all over India as a part of Departmental promotion. The Quiz consisted of questions concern to bringing awareness on COVID-19 and precautions .They should take to avoid getting effected by the virus. We have got huge response where as about 500 students took this quiz and Certificates provided for those students who have got above 60%. Faculty/Staff in Charge Mr. D Sudheer Reddy Programmer, CSE



### Online and Online Examination Classes

Conducted SEM IN 1 , SEM IN 2 , SEM IN LAB exams , SEM END lab exams through online mode. Following platforms were used for successfully conducting the exam. Google meet for online Video proctoring and Moodle LMS for conducting exams (giving question paper and uploading answer scripts).



### Showcasing research labs in NTV N Careers

As part of Department showcase/ advertisement for KL H admission, Department given interview with NTV channel in N career program. Here we talked about various courses offered , innovations done , new initiatives taken for students and faculty , introducing new programs/courses , Honors degree , MOU with international universities, Research labs in CSE department.



### Official website of KLU Hyderabad campus

The official website of KLU Hyderabad campus has been upgraded with latest technology and launched on 9th June,2020 to provide information to the campus community (i.e. faculty, staff, administration, students, management , alumni, parents).The website designed by Dr.K.Srinivas, Professor, CSE.

<https://klh.edu.in/cse/>

The CSE department releases the official information brochure, Promo Video to promote latest courses, technologies, facilities and events took place in the department of CSE Promo Video and Brochure designed



[https://www.youtube.com/watch?v=Drt\\_QDsef64&feature=emb\\_title](https://www.youtube.com/watch?v=Drt_QDsef64&feature=emb_title)



**ABOUT CSE @ KLH**  
CSE Department Established in 2007 at K.L.Hyderabad campus. Currently we have 700+ students in the CSE department. We have intake of 380 students per year. Dept. of CSE combines the intellectual challenge of a young discipline with the excitement of an innovative and rapidly expanding technology. The department aims at imparting quality education and strives to quench the thirst for knowledge. The Department has state of art infrastructure. The Department lays emphasis on theoretical and practical aspects of subjects taught. Moreover updating of syllabus is carried out at regular span of time to keep in pace with the recent technologies. The curriculum inculcates industrial summer training which enable students to get acquainted with work culture and in turn help them groom themselves. Moreover experts with hands on experience regularly share their domain knowledge with the department.

**VISION**  
Aims to make a stance of international repute through continuous research, innovation and industry led curriculum.

**FACULTY @KLH CSE**  
The faculty is a perfect blend of Academicians and industry professionals having various specializations in Computer Science and Engineering.

**Doctorates (Prof. & Assoc. Prof)** 20  
**Asst. Professors (Pursuing Ph.D)** 26

**R&D @ KLH CSE**  
There are 7 research groups under CSE department each headed by an eminent professor actively involved in setting up research centers and mobilizing research grants from funding agencies and consultancy projects from industries.

**RESEARCH THRUST AREAS**

- Artificial Intelligence
- Computer Security
- Data Science
- Internet of Things
- Machine Learning
- Advanced Computing
- Image Processing and Computer Vision

**B. TECH(CSE) SPECIALIZATIONS**

**TEACHING & LEARNING @KLH CSE**

- DEEP LEARNING
- FLIPPED LEARNING
- EMPIRICAL LEARNING
- PROJECT BASED LEARNING
- CASE STUDY BASED LEARNING

**INNOVATIVE EVALUATION**  
Global Coding Challenges Hackathon  
Project Poster Presentation  
Product Building  
Open Book Examination System

**DEPARTMENT INNOVATION**  
The Department of CSE brings innovations in all fields of department activities involving students, faculty and external members. These innovations encourage students to think laterally towards their curricular and co-curricular participations students take a major role in ideating, planning and implementing these innovative ideas.

**HOBBY CLUBS**  
SAMSIDDHI 2020  
Dussehra Event

**KL HACKATHON**

### Publications:

1. K. Srinivas, G.Madhukar Rao, Venkateshan K. Published paper entitled An Implementation of Subsidy Prediction System Using Machine Learning Logical Regression Algorithm in Advances in Mathematics: Scientific Journal-Scopus Indexed. ISSN:1857-8438
2. Anita Bai, Swati hira published a paper entitled Microarray Cancer Classification using Feature Extraction based Ensemble Learning Method in International Journal of Data Analysis Techniques and Strategies - Scopus Indexed, Impact Factor: 0.3 ISSN: 1755-8069
3. Anita Bai, M. Kumbakonam, V. Sudheshna published a paper entitled IoT-based Healthcare Monitoring System for Soldiers in Journal of Engineering Sciences - UGC CARE Group 'A' Journal. ISSN: 0377-9254
4. G. Rekha, V. Krishna Reddy "A novel approach for solving skewed classification problem using cluster based ensemble method", Mathematical Foundations of Computing, 2020, 3 (1) : 1-9.
5. G.Rekha, V.Krishna Reddy "CIRUS: Critical Instances Removal based Under-Sampling: A solution for class imbalance problem", International Journal of Hybrid Intelligent Systems, vol. Pre-press, no. Pre-press, pp. 1-12, 2020.
6. G.Rekha, V.Krishna Reddy "KDOS: Kernel Density

based Over Sampling: - A Solution to Skewed Class Distribution", Journal of Information Assurance & Security . 2020, Vol. 15 Issue 2, p44-52. 9p.

## Patents

1. 1) DR. DS RAO (ASSOCIATE PROFESSOR-CSE), DR. LENDALE VENKATESWARLU (ASSOCIATE PROFESSOR-CSE), DR. A MAHESH BABU (ASSOCIATE PROFESSOR-CSE), MS. BHARGAVI M (ASSISTANT PROFESSOR-CSE), DR. M. SAIDI REDDY (ASSOCIATE PROFESSOR-CSE), DR. A. PRANAYANATH REDDY (ASSOCIATE PROFESSOR-CSE), DR. K. RAMASUBRAMANIAN (ASSOCIATE PROFESSOR-CSE) had published a patent on the topic "A GENETIC ALGORITHM APPROACH FOR OPTIMIZATION OF MACHINERY NOISE CALCULATIONS" on 29/05/2020 with Application no 202041019192.
2. 2) G.MADHUKAR RAO (ASSISTANT PROFESSOR) had published a patent on the topic "wireless-in transit milk parameters monitoring system" on 25/04/2020 with application number 202041017742.
3. 3) SUSHAMA RANI DUTTA (ASSISTANT PROFESSOR) had published a patent on the topic "Serious Patients Checking System: SERIOUS PATIENTS CHECKING USING MACHINE LEARNING AND(AI)ARTIFICIAL INTELLIGENCE" on 05/06/2020 with Application No.202041021761 A.

## Student Projects / Models / Research

1. 1) Sumanth.B – 180330007, Sai Hruthik .B – 180330010, Pramod Kumar – 180330030, Sai Chinmay . T, 180330100, Aravind Kumar – 180330110 are developed LockDown Mart - Social Distance Shopping application. The main aim of project is to maintain social distancing in front of stores.
2. 2) Sumanth.B – 180330007, Sai Hruthik .B – 180330010, Pramod Kumar – 180330030, Sai Chinmay . T , 180330100, Aravind Kumar – 180330110 are working on AUTOMATIC DOOR OPENING THROUGH BODY TEMPERATURE project. The main aim is to detect the temperature of a person and based on the temperature the entry is allowed to the person.
3. 3) Pramod Kumar of II B.Tech from CSE, ignited with the idea of developing web-based software in order to, detect COVID-19 from chest X-Ray. he was originally motivated from ChatBot launched by Telangana Government, which sources multiple risk factors by gathering inputs from users. he tried calculating the same risk factors through Chest X-Ray. he has developed a software to calculate risk factor using deep learning algorithm.







(DEEMED TO BE UNIVERSITY)

