KLEF DEPARTMENT OF CIVIL ENGINEERING Newsletter, April-June 2020

Conferences, FDPs , ,Webinars Online Quizes Organised by Faculty of the 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.





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.



Webinars

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

We bin						No. of Participants		
ar No	Date	Time	Speaker	Title	Meeting ID	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.Lingeshwara n	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.Aravindhan	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.

S1. No.	Name of the Faculty	Name of the Work Shop	Details of the University/Institute Organizing he Program	Duration	From	То
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	Gudlavalleru Engineering College	6 Days	25th May 2020	30th May 2020
20	Lingeshwaran N	Civil Engineering Research step forward	Gudlavalleru Engineering College	6 Days	25th May 2020	30th May 2020
21	Hemantharaja K	Civil Engineering Research step forward	Gudlavalleru 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

		Modelling And Optimization	Lakireddy Bali	18th	22nd
37	K S Chamberlin	Techniques For Materials And	Reddy College Of	May	May
		Manufacturing Processes	Engineering	2020	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

PratyushaNibhanupudia **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: ProceedingsVolume 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.

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.

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.

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.

Chintakrindi V Kanaka Sarath, K Ashok Kumar, **Lingeshwaran N**, VigneshKannan 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.

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

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 tiel 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 departmentfrom 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 attractivepoints 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 NITTTR, 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 UniversitiTun 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 UniversitiTun 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 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".