A One-day Technical Workshop on Advances in Architecture for the Teaching Faculty Members of Vaddeswaram Campus of KLEF – Communication – Reg.

Registrar <registrar@kluniversity.in>

Mon 8/21/2023 2:44 PM

To:Dr Pavuluri Ratna Prasad <pratnaprasad@kluniversity.in>;P SENTHIL MURUGAN <agilanagri2008@kluniversity.in>;M Sirendra Babu <msirendrababu@kluniversity.in>;Jamindar Buddiga <jamindarbuddiga@kluniversity.in>;PILLI MANASA <pmanasa@kluniversity.in>;MANOHARMAYUM DOLPRIYA DEVI <dolpriya.ag@kluniversity.in>;ATUL SINGH <atulsingh@kluniversity.in>;Shiva Sai Prasad <shivsaiprasad@kluniversity.in>;Dr.B.Rama Devi <bonuramadevi@kluniversity.in>;Dr.M.Gayathri <gayathrimungara@kluniversity.in>;PRASANNA KOLAR <hiprasannakolar@kluniversity.in>;Kavuri Kalpana <kkalpana@kluniversity.in>;Shaik Sameer <sameer34532@kluniversity.in>;B Rambabu <brambabu@kluniversity.in>;Dumala Sravani <dsravani@kluniversity.in>;TEJASWINI SADINENI <anjusadineni@kluniversity.in>;Potnuri Hema Prasanthi Lakshmi <potnurihema@kluniversity.in>;P Prince Jayasimha <jayasimha@kluniversity.in>;Dr Nukasani Sagarika <sagarika@kluniversity.in>;Reetanjali Meher <reetanjalimeher@kluniversity.in>

Cc:PRESIDENT <president@kluniversity.in>;Havish <havish@kluniversity.in>;Raja Harin koneru <krh@kluniversity.in>;PRO-CHANCELLOR <prochancellor@kluniversity.in>;Vice Chancellor - KLU <vc@kluniversity.in>;Dr.G.P.S. Varma, Vice-Chancellor <gpsvarma@kluniversity.in>;Pro VC <provc@kluniversity.in>;N Venkat Ram <venkatram@kluniversity.in>;Dr Jagadeesh Anne <drjagadeesh@kluniversity.in>

📎 1 attachments (12 KB)

ASC-List of Faculty Architecture (1).xlsx;

Ref: KLEF/RO/Academics/Acad.Staff College/2023-24   21st August 2023

<u>Orders of the Hon'ble Vice-Chancellor Dt. 21-08-2023</u>

<u>OFFICE CIRCULR</u>

<u>Sub</u>: A One-day Technical Workshop on Advances in Architecture for the Teaching Faculty Members of Vaddeswaram Campus of KLEF – Communication – Reg.

<u>Ref</u>: Letter dt. 21-08-2023 from Principal, Academic Staff College, KLEF

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This is to inform that the Academic Staff College will be organizing "A One-day Technical Workshop on Advances in Architecture" for the teaching faculty members of Vaddeswaram Campus of KLEF on 23rd August 2023.

Resource Person   : Dr.Uma Sankar Basina, Associate Professor, Head department of School of Planning & Architecture Vijayawada(SPA).

Date   : 23rd August 2023

Timings   :   10:00 AM to 1:00PM

Venue   : ERLT Lab L 414 (4th floor Library Building)

All the HODs / the Principals / the Deans of KLEF are requested to encourage all other interested Faculty members to participate in this workshop along with the listed faculty members given in the attachment.

REGISTRAR

<u>Encl</u>: as above

Mail & <u>Hard copy</u> to: Hon'ble President, KLEF

Mail to: Hon'ble Vice-Presidents, KLEF

Mail & <u>Hard copy</u> to: Hon'ble Pro Chancellor

Mail & <u>Hard copy</u> to: Hon'ble Vice-Chancellor

Mail & <u>Hard copy</u> to: Pro Vice-Chancellors

Mail to: Chief Coordinating Officer-Dr.A. Jagadeesh

Mail to: Special Officer -Dr.A. Vani

Mail to: Advisor – NAAC & Hyderabad Operations - Prof. K.Koteswara Rao

Mail to: All Advisors / All Deans / All Principals / All Vice-Principals / Sr.Director / All Directors / Additional Deans /

All Associate Deans / Deputy Deans / PR Head

Mail to: Controller of Examinations-Dr.A.S.C.S.Sastry

Mail to: Joint Registrar / DR-II / Sr.Manager (Alumni Relations) & AR-Sri A.Krishna Rao / AR-Dr.MVAL Narasimha Rao

Mail to: KL H - Principal-Engg.College / Vice-Principal / Director / Deputy Director

Mail to: Principal-CoE..Dr.T.K. Rama Krishna Rao / Coordinator-FED..Dr.MSG Prasad / Dy.Coordinator-FED..Dr.J.Somlal

Mail to: HoDs..AI & DS / BT / CE / CSE (Honours) / CSE / Comp.Engg. & ECM / CS & IT / ECE / IoT / EEE / ME

HoDs..Mathematics / Physics / Chemistry / CSA / CDoE

HoDs.. ENG / BES-I / BES-II / Design Thinking & Innovation / VEC

HoDs.. Architecture / Law / Pharmacy

Agriculture / Arts / BBA / Commerce / Fine Arts / Food Technology

Hotel Management / MBA / Foreign Languages

HoDs..Communication Skills / Soft Skills & Head of Division...Quant & Reasoning

Mail to: Chief Technical Officer (CTO)-Mr.A.Satya Kalyan

Mail to: Webmaster-Mr.LV

Mail to: Principal, Academic Staff College,

Resource Person

Individuals concerned

Mail to: All Faculty

Thanks & Regards

Dr. K. Subba Rao
REGISTRAR
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(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)
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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.
Phone No. **08645 - 350200**; **www.klef.ac.in; www.klef.edu.in; www.kluniversity.in**

A ONE-DAY TECHNICAL WORKSHOP ON

ADVANCES IN ARCHITECTURE

On
23-08-2023

RESOURCE PERSONS

Dr. Uma Sankar Basina,
**Associate Professor,
Head department   of School of Planning & Architecture
Vijayawada (SPA).**

VENUE: **ERLT LAB L 414 (4TH FLOOR LIBRARY BUILDING)**

ORGANISED BY
Academic Staff College

REPORT ON

ONE DAY WORKSHOP RELATED TO ADVANCEMENTS IN ARCHITECTURE

TIME: 10am to 1.00PM

Venue: ETRL –L414 , D: 25-08-2023

Resource person: Dr.Uma Shankar.Basina

Associate Professor,

School of planning and Architecture (SPA), Vijayawada.

Architecture, the art and science of designing and constructing spaces that shape our lives, has continually evolved and adapted to the ever-changing needs and aspirations of society. In recent years, this evolution has accelerated, leading to groundbreaking advancements that are reshaping our cities and the way we live. The Academic Staff College of KL University organized a one-day Technical workshop on "Advances in architecture" to the faculty of architecture on 25-08-2023. The resource person for this workshop is Dr. Uma Sankar Basina, Associate Professor and Head of the Department, Department of Architecture, School of Planning and Architecture, Vijayawada. Dr. I Govardhini, Principal of Academic Staff College, KL University welcomed the participants and introduced the resource person.

The resource person Dr. Uma Sankar Basina delivered an engaging session on advances in architecture. He said that the future of architecture is likely to be shaped by key factors like climate change, urbanization, and the increasing demand for sustainable buildings. Architects will need to find ways to design buildings that are energy-efficient, resilient to extreme weather conditions and made from sustainable materials. He said that this is an era of smart buildings that are equipped with sensors and technology that monitors and controls energy usage, lighting, and other systems. This technology can help to make buildings more energy-efficient and comfortable.

Principal, ASC Dr. I. Govardhani introducing the resource person

Architects of the future are likely to use recycled and sustainable materials in their designs for reducing the environmental impact of buildings. Architects need to design buildings that promote human health and well-being. Focus needs to be on natural light, green spaces, and indoor air quality improvement.

Dr. Basina Explained about how Technology is being used to improve the efficiency and accuracy of architectural design and construction. He stated that technologies such as BIM, computational design, and robotic fabrication is changing the world of architecture rapidly. The discussion on this topic lead to conclusion that the future of architecture is full of possibilities. As technology continues to develop, architects will have the tools they need to create buildings that are more advanced and sustainable.

Architecture is an ever-evolving field, constantly adapting to new technologies, societal needs, and environmental challenges. This report provides an overview of some of the most significant recent advances in architecture, focusing on technological innovations, sustainable design, and the changing role of architects in shaping the built environment. These advancements represent a shift towards more sustainable, adaptable, and technologically integrated architectural practices.

1. Technological Advancements:

1.1. Building Information Modeling (BIM): BIM has become a fundamental tool in architecture. It enables architects to create detailed 3D models of buildings, facilitating better visualization, collaboration, and project management. BIM also aids in the analysis of energy efficiency and lifecycle costs.

1.2. Parametric Design: Architects are increasingly using parametric design software to create complex, highly customized structures. This technology allows for the optimization of forms, resulting in efficient and aesthetically pleasing designs.

1.3. Augmented Reality (AR) and Virtual Reality (VR): AR and VR technologies are being employed for immersive architectural experiences. They enable architects and clients to visualize designs in real-world contexts, enhancing the design process and communication.

2. Sustainable Design:

2.1. Passive Design Strategies: Architects are incorporating passive design principles to reduce energy consumption. Features like natural ventilation, daylighting, and passive solar design are being integrated into building plans to enhance energy efficiency.

2.2. Green Building Materials: Innovations in sustainable materials, such as recycled, biodegradable, and low-impact materials, are reducing the environmental footprint of construction projects.

2.3. Net-Zero Energy Buildings: The concept of net-zero energy buildings, which generate as much energy as they consume, is gaining traction. Architects are designing energy-efficient structures, utilizing renewable energy sources, and advanced HVAC systems.

3. Architectural Trends:

3.1. Adaptive Reuse: Adaptive reuse of existing structures is becoming a prominent trend. Architects are repurposing old buildings for new functions, preserving cultural heritage and reducing waste.

3.2. Smart Buildings: The integration of IoT (Internet of Things) technology into architecture is giving rise to smart buildings. These structures can autonomously control lighting, heating, and security systems for enhanced comfort and energy efficiency.

3.3. Resilient Architecture: Architects are designing buildings to withstand extreme weather events and other environmental challenges. Resilient architecture incorporates features like flood-resistant foundations and fire-resistant materials.
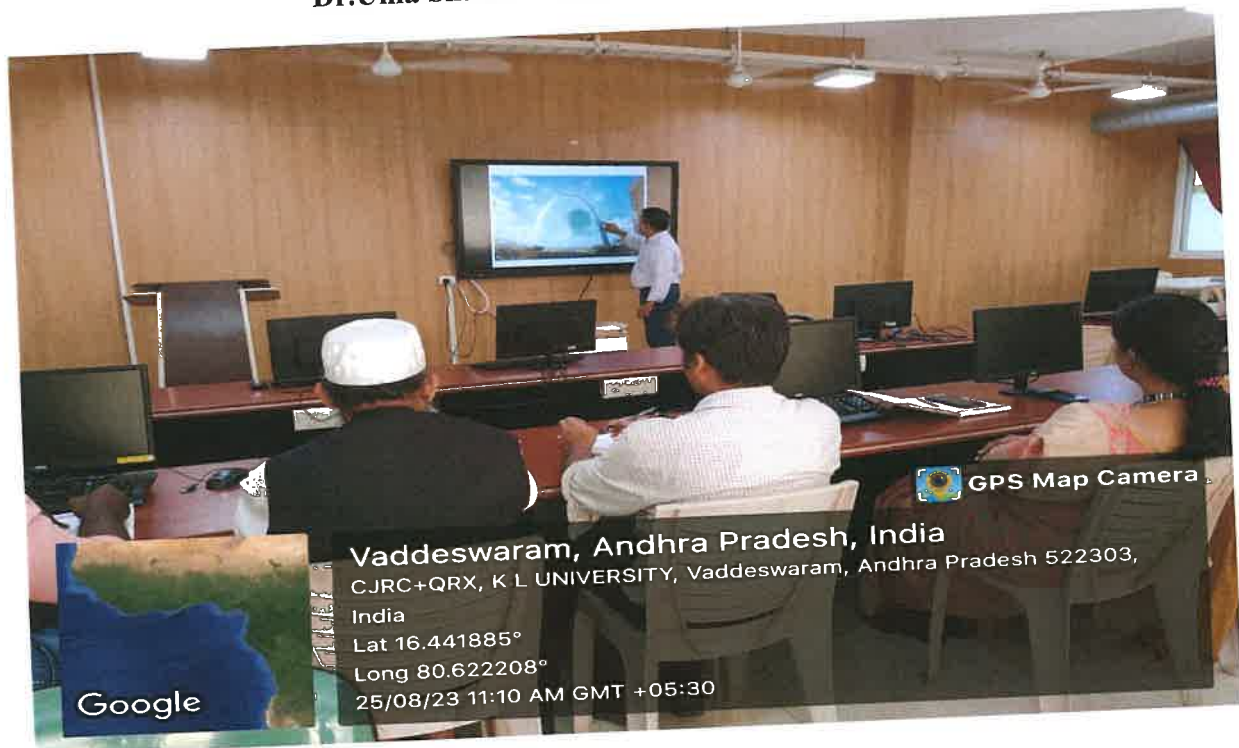
4. Human-Centric Design:

4.1. Well-being-Centered Design: Architects are placing a stronger emphasis on human well-being by designing spaces that promote physical and mental health. This includes incorporating biophilic design elements, access to natural light, and spaces for relaxation.

4.2. Inclusive Design: Inclusive architecture considers the needs of all individuals, including those with disabilities. Universal design principles are being integrated into projects to ensure accessibility for everyone.
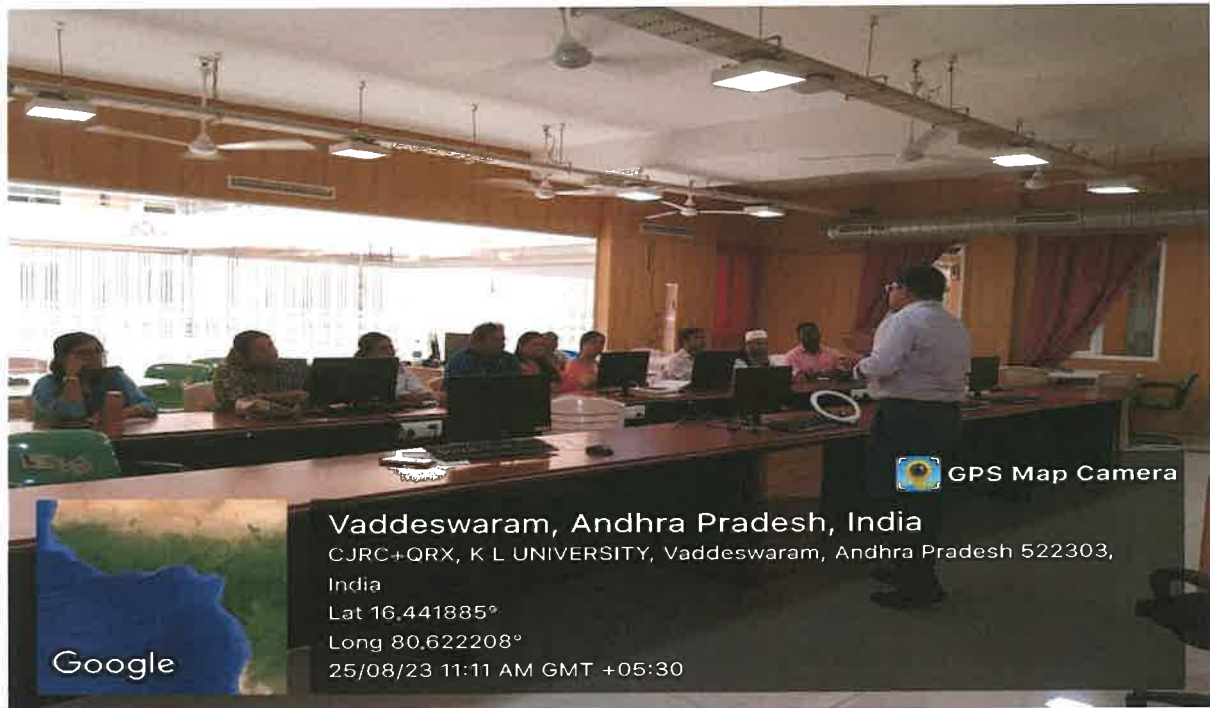
Vaddeswaram, Andhra Pradesh, India
CJRC+QRX, K L UNIVERSITY, Vaddeswaram, Andhra Pradesh 522303, India
Lat 16.441885°
Long 80.622208°
25/08/23 11:09 AM GMT +05:30

Dr.Uma Shankar addressing the participants

Vaddeswaram, Andhra Pradesh, India
CJRC+QRX, K L UNIVERSITY, Vaddeswaram, Andhra Pradesh 522303, India
Lat 16.441885°
Long 80.622208°
25/08/23 11:10 AM GMT +05:30

Dr.Uma Shankar addressing the participants

Dr.Uma Shankar addressing the participants

Felicitation of resource person by Principal, ASC

Conclusion:

Advances in architecture are profoundly shaping the way we design and interact with the built environment. From technological innovations that streamline the design process to sustainable practices that mitigate environmental impact, architects are at the forefront of creating a more sustainable, resilient, and user-friendly world. Embracing these advancements is crucial for architects and the construction industry as a whole to meet the challenges of the 21st century.

This report provides a snapshot of current trends in architectural advancement. As the field continues to evolve, architects and stakeholders should remain open to new ideas, technologies, and practices to create innovative and impactful architectural solutions.

Dr.T.Govardhani,

Principal Academic Staff College

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Koneru Lakshmaiah Education Foundation
(Deemed to be University)
Green Fields, VADDESWARAM-522 302

"A One-day Technical Workshop on Advances in Architecture" for the teaching faculty members of Vaddeswaram Campus of KLEF on 23rd August 2023.

S.NO	ID NO.	Name of the Faculty	Designation	E Mail ID	Signature
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2	5691	B Kiran Kumar	Dy.HOD	kiranbonda@kluniversity.in	
3	4474	Shaik. Sami Ur Rehman	Professor	samiurrehman@kluniversity.in	
4	6772	B. Venkata lakshmi	Assoc.Prof.	vlakshmibondalapati1967@kluniversity.in	
5	7015	Tanushree Das	Assoc.Prof.	tanushreearch@kluniversity.in	
6	5946	K.Harshitha	Asst Prof	harshitha@kluniversity.in	
7	6470	T. Kamal kethani	Asst Prof	tkamal@kluniversit.in	
8	6732	Senthil kumar.P	Asst.Prof	arsenthil001@kluniversity.in	
9	7433	Gopika Girissan	Asst.Prof	ar.gopikagiri@gmail.com	
10	7457	Mohd Aamir	Asst.Prof	aamir@kluniversity.in	
11	7867	Vishnu Priya B	Asst.Prof	bvishnupriya@kluniversity.in	
12	7918	Itta Rudra Murthy	Asst.Prof	irudramurthy@kluniversity.in	
13	7994	L Virajitha	Asst.Prof	lvirajitha@kluniversity.in	
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23/8/2023

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Certificate of Participation

This is to certify that

Ar.A. Priya

Has participated in the

One-day Faculty Development Program on

"Technical Workshop on Advances in Architecture"

During 25th August 2023 .

[signature]

Principal
ASC

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Ar.B Kiran Kumar

_____

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This is to certify that

Mr.Shaik. Sami Ur Rehman

_____

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_____ "Technical Workshop on Advances in Architecture" _____

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B. Venkata lakshmi

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Tanushree Das

Has participated in the

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K.Harshitha

Has participated in the

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This is to certify that

T. Kamal kethani

Has participated in the

One-day Faculty Development Program on

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Certificate of Participation

This is to certify that

Senthil kumar.P

Has participated in the

One-day Faculty Development Program on

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During 25th August 2023 .

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Certificate of Participation

This is to certify that

Gopika Girissan

_____

Has participated in the

One-day _____ Faculty Development Program on

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This is to certify that

Mohd Aamir

Has participated in the

One-day Faculty Development Program on

"Technical Workshop on Advances in Architecture"

During 25th August 2023 .

Principal
ASC

Certificate of Participation

This is to certify that

Vishnu Priya B

Has participated in the

One-day _____ Faculty Development Program on

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During ___25th August 2023_____.

Principal
ASC

**Certificate of
Participation**

This is to certify that

Itta Rudra Murthy

_____

Has participated in the

One-day _____ Faculty Development Program on

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During _25th August 2023_____.

**Principal
ASC**

Certificate of Participation

This is to certify that

L Virajitha

_____

Has participated in the

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This is to certify that

Shivendu Shekar Singh

Has participated in the

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