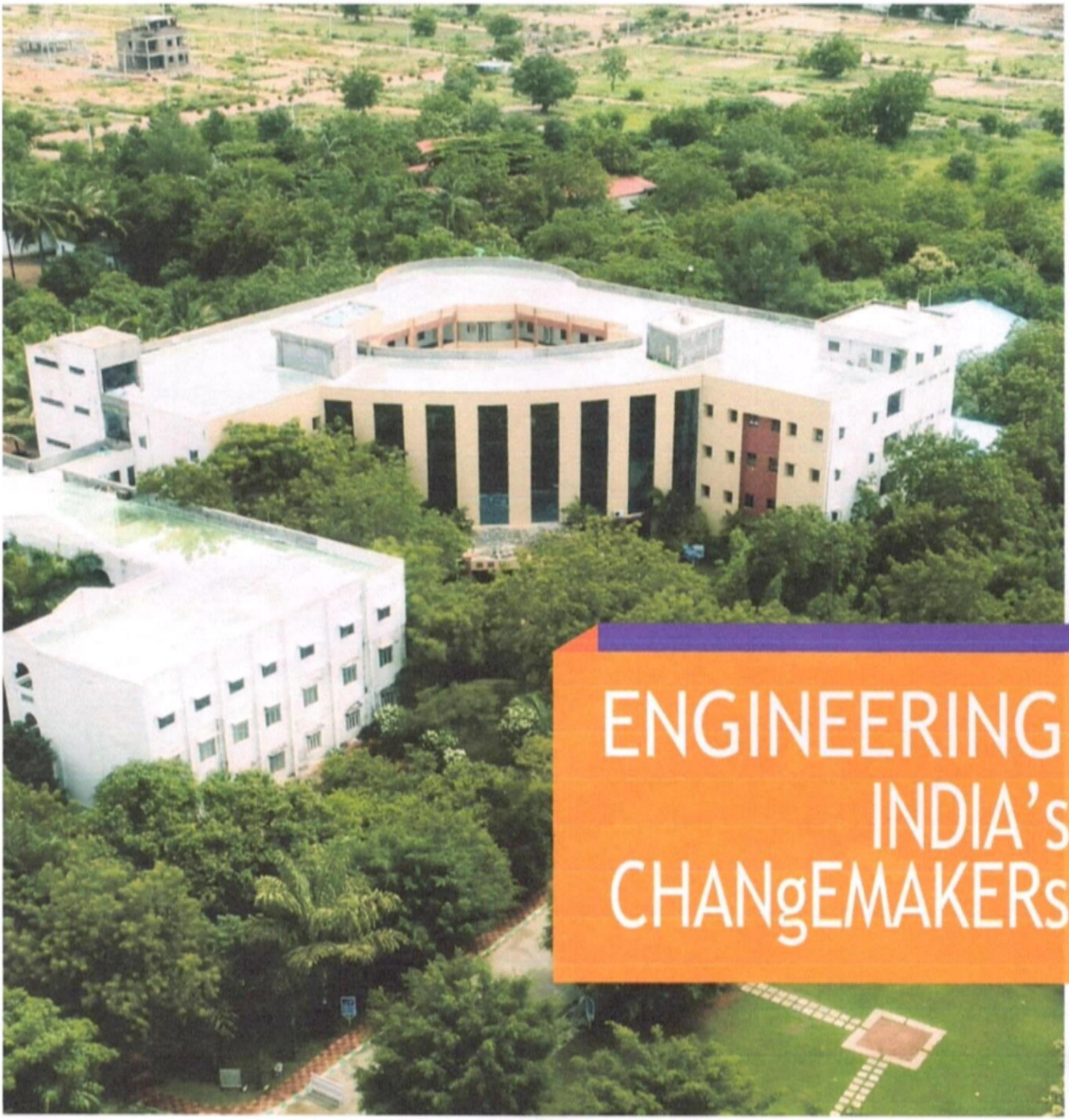
NEWSLETTER

VOLUME 10 2020-2021



ENGINEERING INDIA's CHANgEMAKERs

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VISION AND MISSION OF THE INSTITUTE

VISION

To become an institution which is internationally recognized for its holistic approach to engineering, innovative teaching and learning culture, research and entrepreneurial ecosystem,and sustainable social impact in the community.

MISSION

- To offer undergraduate and postgraduate programs which are supported through industry relevant curriculum and innovative teaching and learning processes that would help students to succeed in their professional careers.
- To provide faculty and students with an eco system that fosters innovation, research, entrepreneurship and international exposure through strategic partnerships with government organizations and collaboration with industries.
- To provide holistic learning environment to students which will contribute to their personal and professional growth and enable them to become leaders in their respective fields.
- To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic development.

VISION AND MISSION OF THE CIVIL DEPARTMENT

VISION

To be recognized for excellence in teaching, innovation, and research aimed towards betterment of society through sustainable infrastructural development.

MISSION

- To integrate innovative teaching and learning practices that will enable students to build technical competence for working in Civil Engineering Industries.
- To encourage innovation, research, and entrepreneurship among faculty and students that will lead to sustainable development.
- To become self-sustainable through strategic collaborations with industries and nearby communities focused on consultancy services.

Program Educational Objectives:

PEO1: Graduates will be able to work in multidisciplinary teams focused on development of infrastructure, design, sustainability, construction management and all the other related fields of Civil Engineering.

PEO2: Graduates will be professionally competent through their ability to use modern civil engineering tools and manage projects in leadership positions.

PEO3: Graduates will transform into change makers who will work towards societal development and advocate for equity, social justice, and sustainable development.

1. Guest Lecture

“MICROBIAL FUEL CELL: WASTE TO ENERGY”

Department of Civil Engineering has organized a guest lecture on the topic " **Microbial fuel cell: waste to Energy”** on **05-04-2021** to our third year students of the Department of Civil Engineering, KGRCET. The eminent speaker Mr. Sunil Umachagi, Assistant Professor, Jain College of Engineering and Technology, Hubli had been invited to deliver the lecture. He explained to the students about microbial fuel cell (MFC) and mentioned that MFC is a system that can generate electricity by harnessing microorganisms' metabolic activity. MFCs can be used in wastewater treatment plants since they can convert the organic matter in wastewater into electricity while also removing pollutants. Total 30 students participated for the session

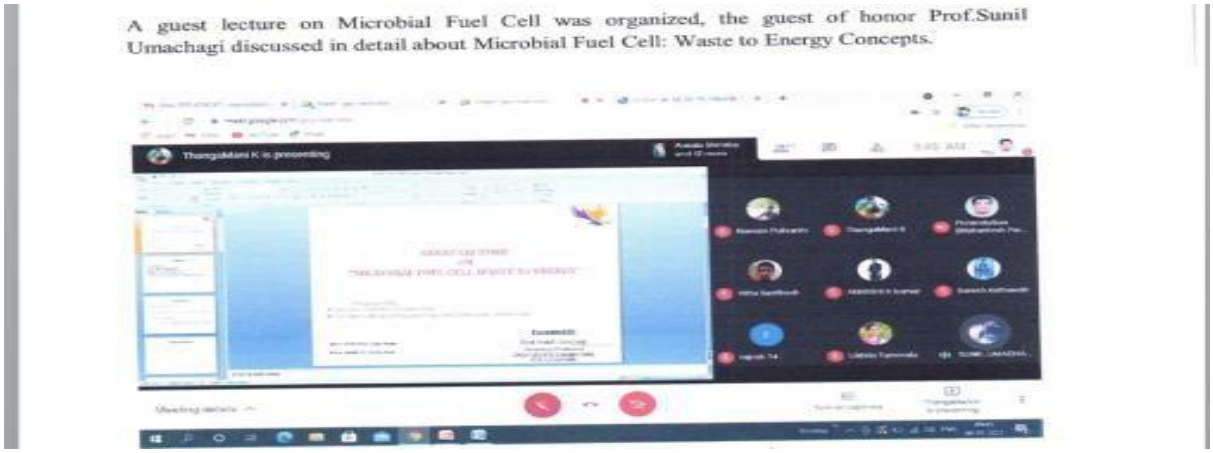

Figure: Speaker taking the session through online mode

2. Guest Lecture

“FOUNDATION ENGINEERING”

Department of Civil Engineering has organized a guest lecture on the topic " **Foundation Engineering”** on **19-04-2021** to our third year students of the Department of Civil Engineering, KGRCET. The eminent speaker Dr Chandra Bogi Reddy, Professor in the Department of Civil Engineering at Vardhaman College of Engineering and Technology had been invited to deliver the lecture. He explained to the students about the foundation types and working process and mentioned that Pile foundation, a kind of deep foundation, is actually a slender column or long cylinder made of materials such as concrete or steel, which are used to support the structure and transfer the load at desired depth by either end bearing or skin friction. From: Seismic Rehabilitation Methods for Existing Buildings, 2020. Total 39 students participated for the session

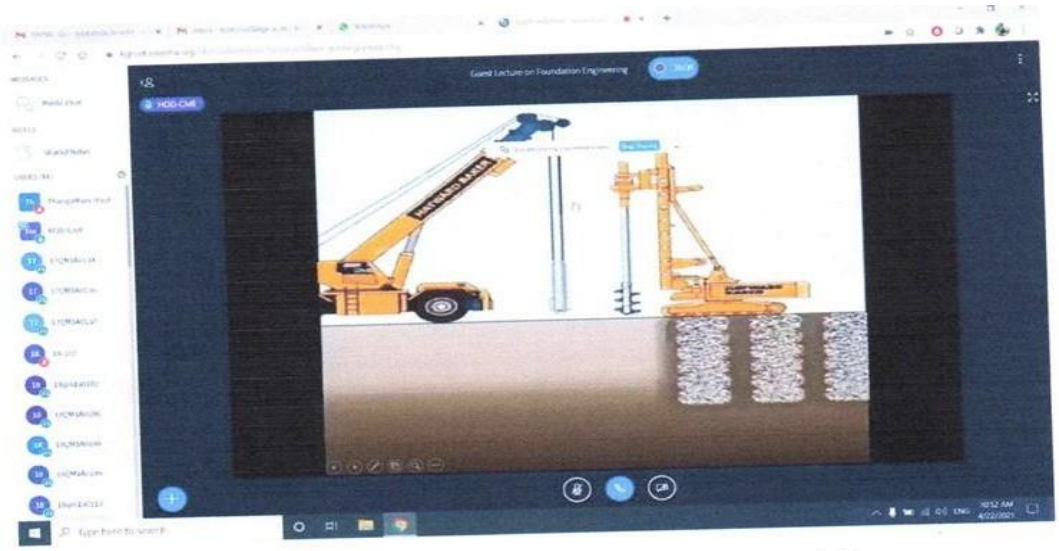

Fig: Guest faculty Showing working model of Pile Foundation

3. Guest Lecture

“OVERVIEW OF STRUCTURAL ANALYSIS”

Department of Civil Engineering has organized a guest lecture on the topic "**Overview of Structural Analysis”** on **22-04-2021** to our Second year students of the Department of Civil Engineering, KGRCET. The eminent speaker Mrs G Hemalatha, Research Scholar, Structural Design Engineer at JNTU, Ananthapur had been invited to deliver the lecture. She explained to the students about main objectives of Structural Analysis and also mentioned that It is a method or tool by which we find out how a structure or a member of a structure behaves when subjected to certain excitation. In other words finding out internal forces (axial force, shear force, moment), stress, strain, deflection etc in a structure under applied load conditions.

Figure: Boucher for the Guest Lecture

4. Guest Lecture

"SOURCE AND CHARACTERSTICS OF PRECIPITATION"

Department of Civil Engineering has organized a guest lecture on the topic " **Source and Characteristics of precipitation"** on **06-05-2021** to our third year students of the Department of Civil Engineering, KGRCET. The eminent speaker Mr. Upendra Rajendra, Assistant Professor, Department of Civil Engineering, D Y Patil Institute of Technology had been invited to deliver the lecture. He explained to the students that the main forms of precipitation include drizzle, rain, sleet, snow, ice pellets, graupel and hail. Precipitation occurs when a portion of the atmosphere becomes saturated with water vapor (reaching 100% relative humidity), so that the water condenses and "precipitates" or falls. Total 36 students participated for the session

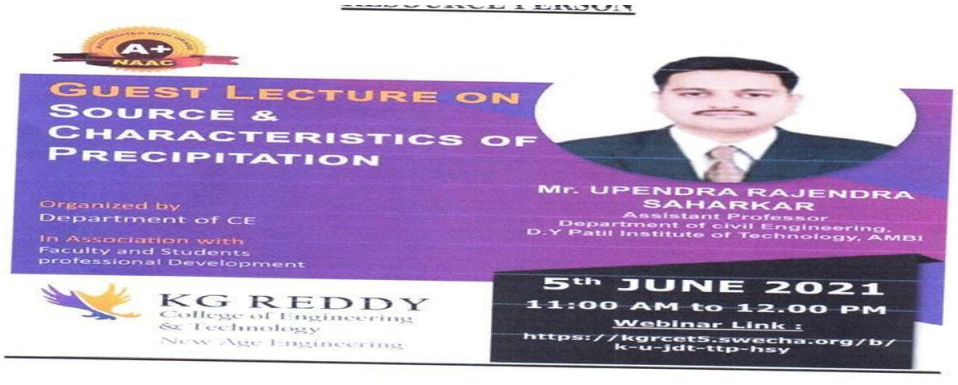

Figure: Boucher for Guest Lecture

5. Guest Lecture

"AN OVERVIEW OF PRE-STRESSED CONCRETE STRUCTURES"

Department of Civil Engineering has organized a guest lecture on the topic "An **Overview of Pre-stressed Concrete Structures"** on **28-06-2021** to our third year students of the Department of Civil Engineering, KGRCET. The eminent speaker Ms. Manjula, Assistant Professor, Department of Civil Engineering, Sree Datta Institute of Science and Technology had been invited to deliver the lecture. She explained to the students that Prestressed concrete is a system devised to provide sufficient pre-compression in the concrete beam by tensioned steel wires, cables, or rods that under working conditions the concrete has no tensile stresses or the tensile stresses are so low that no visible cracking occurs. Total 30 students participated for the session

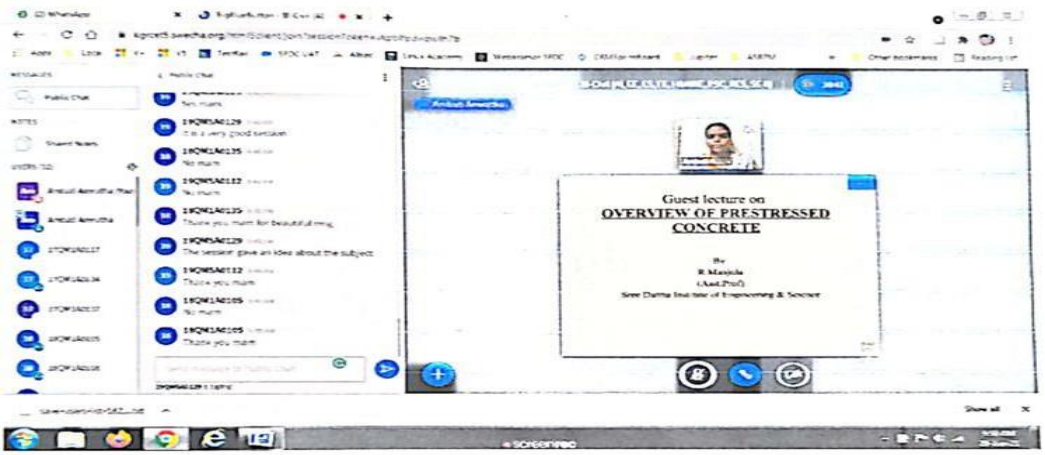

Fig: Guest faculty introduction

6. Guest Lecture

"USE OF MODERN FORMWORKS IN CONSTRUCTION"

Department of Civil Engineering has organized a guest lecture on the topic "**use of modern formworks in construction"** on **11-06-2021** to our Second year students of the Department of Civil Engineering, KGRCET. The eminent speaker Mr. Raju Narwade, Associate Professor, Department of Civil Engineering, Pillai HOC College of engineering and technology had been invited to deliver the lecture. He explained to the students that the purpose of formwork is to safely support the reinforced concrete until it has reached adequate strength. Formwork can be a temporary structure or a permanent mold. He also mentioned that this formwork is much faster than conventional formwork, making it an ideal solution for construction companies that need to build structures quickly and efficiently. Modular formwork is also more durable than timber formwork and can be used for multiple projects. Total 18 students participated for the session

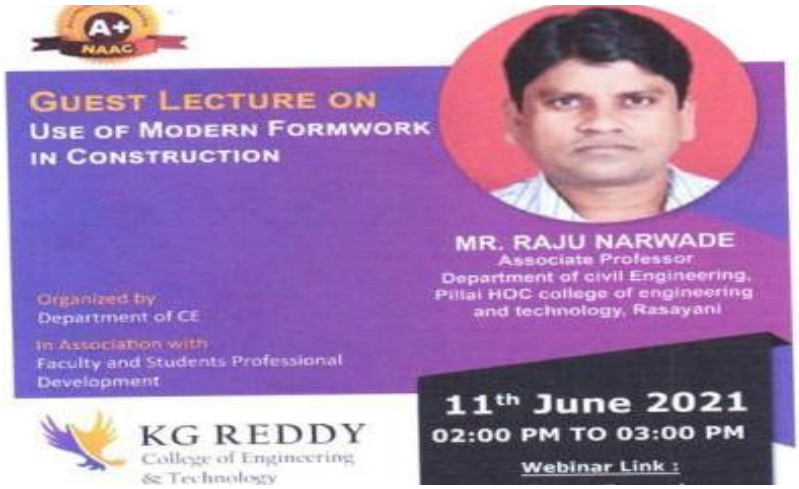

Figure: Boucher for Guest Lecture

7. Certificate Course

"Advanced Course on Green Construction"

Department of Civil Engineering in association with Department of Humanities and Sciences has organized a certificate Course on "**Advanced Course on Green Construction"** from **19-06-2021 to 02-08-2021** to our First year students of the Department of Civil Engineering, KGRCET. The eminent speaker Ms. Sujnani, Assistant Professor, Department of Civil Engineering, has successfully completed this Course for the 27 Students

List of faculties attended MOOC's courses.

S.NO	Name of the Faculty	Title of the Course	Type of Activity	Dates
1	Thangamani K	Orientation towards technical education & Curriculum aspects	SWAYAM	23-03-2021
2	Thangamani K	Professional Ethics and sustainability	SWAYAM	23-03-2021
3	Thangamani K	Renewable Energy and Green Building	Coursera	10-05-2021
4	Jagadish SH	Fundamentals of Fluid Power	Coursera	03-06-2021

List of faculties who attended Short Term Training Programmes:

In civil department faculty participated in short-term course to provide professionals from various backgrounds with a detailed understanding of intelligence, which is required when tackling problems in the technological fields. This participation is ideal for early-career professionals looking to advance their careers by taking more working on building better decision-making process, beliefs and working on building better decision-making process, adopting better communication strategies.

S.No	Name of the Faculty	Title of the Activity	From Date
1	Hima Bindu k	STTP on Emerging Technologies in Civil and Infrastructure Engineering for Sustainable Development	12-07-21 to 17-07-21
2	Dr.Ushadevi Patil	STTP on Emerging Technologies in Civil and Infrastructure Engineering for Sustainable Development	12-07-21 to 17-07-21
3	Jagadish SH	STTP on Emerging Technologies in Civil and Infrastructure Engineering for Sustainable Development	12-07-21 to 17-07-21
4	Hima Bindu k	STTP on Novelties in concrete and Construction Techniques (NCCT)	06-07-21 to 10-07-21
5	Dr.Ushadevi Patil	STTP on Implementation of OBE and online teaching	07-06-21 to 11-06-21
6	Rathnachary	STTP On Finite element analysis using ABAQUES	17-05-21 to 22-05-21
7	A Amrutha	STTP On Finite element analysis using ABAQUES	17-05-21 to 22-05-21
8	Hima Bindu k	STTP On Finite element analysis using ABAQUES	17-05-21 to 22-05-21

9	G Venkatasai	STTP On Finite element analysis using ABAQUES	17-05-21 to 22-05-21
10	G Mounika	STTP On Finite element analysis using ABAQUES	17-05-21 to 22-05-21
11	Dr.Ushadevi Patil	Refresher program on innovative teaching-learning methods	06-05-21 to 12-05-21
12	Dr.Ushadevi Patil	AICTE Sponsored STTP On Effective Engineering Teaching Practices	19-04-21 to 24-04-21
13	Thangamani K	Futuristic prospects of geo environmental and geotechnical issues of coal mine overburden and mine tailing	15-03-21 to 18-03-21
14	Rathnachary	Finite element analysis using ABAQUES	08-03-21 to 13-03-21
15	A Amrutha	Finite element analysis using ABAQUES	08-03-21 to 13-03-21
16	M Vijaya Kumar	Finite element analysis using ABAQUES	08-03-21 to 13-03-21
17	Sujnani K	the pedagogic approach for the effective teaching and learning through OBE	01-03-21 to 06-03-21

As a part of departmental activity, the Department of civil participated in Faculty Development Programme with the goal of equipping faculty members with strategies to balance their teaching, research, and personal well-being. The primary objectives of the FDP were to help the faculty members achieve a healthy work-life balance, master time management and productivity skills, foster a supportive and collaborative academic environment and improve overall job satisfaction and well-being among faculty.. The Faculty Development Programme achieved its objectives of promoting a healthy work-life balance, enhancing time management skills, stress management skills, and improving overall faculty well-being. The positive outcomes, including increased collaboration and job satisfaction, reflect the program's effectiveness.

List of faculties who attended faculty development programs:

S.No	Name of the Faculty	Title of the Activity	From Date
1	Dr. Ushadevi patil	ATAL FDP ON Plastic Recycling and waste management	14-06-21 to 18-06-21
2	HimaBindu	ATAL FDP on Application of sustainable construction Engineering for enhancing durability of exsisting structure	19-07-21 to 23-07-21
3	Thangamani K	AICTE Margadhrsan FDP on Preparation of NBA Self assesment Report	19-07-21 to 24-07-21
4	M Vijaya Kumar	AICTE Margadhrsan FDP on Preparation of NBA Self assesment Report	19-07-21 to 24-07-21
5	G Venkatasai	AICTE Margadhrsan FDP on Preparation of NBA Self assesment Report	19-07-21 to 24-07-21
6	G Mounika	AICTE Margadhrsan FDP on Preparation of NBA Self assesment Report	19-07-21 to 24-07-21
7	M Vijaya Kumar	ATAL FDP on Recent Innovations in Concrete Technology	12-07-21 to 16-07-21

8	HimaBindu	ATAL FDP on Earthquake responses and vibartion control of life line structures	05-07-21 to 09-07-21
9	M Rathnachary	ATAL Fundamentals of Geotechnical and Structural Engineering for Sustainable infrastructural Development	28-06-21 to 02-07-21
10	M Vijaya Kumar	ATAL FDP on Green technology and Sustainable Development	14-06-21 to 18-06-21
11	Jagadish SH	ATAL FDP Trail blazing practices in geotechnical engineering	07-06-21 to 11-06-21
12	HimaBindu	ATAL FDP Trail blazing practices in geotechnical engineering	07-06-21 to 11-06-21
13	G Venkatasai	ATAL FDP Trail blazing practices in geotechnical Engineering	07-06-21 to 11-06-21
14	A Amrutha	ATALFDP on Earthqauke resistant structural systems and design for building and structures	07-06-21 to 11-06-21
15	Thangamani K	"Basics to Proficiency level -A Hands on approach on innovative GIS- technics"	24-05-21 to 29-05-21
16	G Mounika	FDP On IPR & Patent Prosecution	24-05-21 to 28-05-21
17	M Vijaya Kumar	FDP On Pedogogy and research methods	24-05-21 to 06-06-21
18	A Amrutha	FDP On Pedogogy and research methods	24.05-21 to 06-06-21
19	Thangamani K	FDP on Research paper writing	10-05-21 to 15-05-21
20	G Mounika	FDP on Research paper writing	10-05-21 to 15-05-21
21	Jagadish SH	FDP on Research paper writing	10-05-21 to 15-05-21
22	HimaBindu	FDP on Research paper writing	10-05-21 to 15-05-21
23	G Venkatasai	FDP on Research paper writing	10-05-21 to 15-05-21
24	A Amrutha	FDP on Research paper writing	10-05-21 to 15-05-21
25	M Vijaya Kumar	FDP on Research paper writing	10-05-21 to 15-05-21
26	Mahantesh P	FDP on Research paper writing	10-05-21 to 15-05-21
27	A Amrutha	3 Days Concrete conclave on advancement in concrete industry	10-05-21 to 12-05-21
28	M Vijaya Kumar	3 Days Concrete conclave on advancement in concrete industry	10-05-21 to 12-05-21
29	G Venkatasai	3 Days Concrete conclave on advancement in concrete industry	10-05-21 to 12-05-21
30	M Vijaya Kumar	An Interdisciplinary Research Metrics: Fostering Faculty Knowledge and Skills"	03-05-21 to 08-05-21
31	Thangamani K	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
32	Jagadish SH	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
33	G Venkatasai	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
34	Mahantesh P	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
35	G Mounika	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
36	A Amrutha	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
37	HimaBindu	FDP on Sustainable and precast technology	19-04-21 to 24-04-21
38	G Mounika	Effective teaching and learning and	15-03-21 to 20-03-21

		modern pedogogical technologies	
39	A Amrutha	Effective teaching and learning and modern pedogogical technologies	15-03-21 to 20-03-21
40	Sujnani K	Effective teaching and learning and modern pedogogical technologies	15-03-21 to 20-03-21
41	Sujnani K	possibilities of research, research methodology & Research paper writing	02-03-21 to 06-03-21

Faculty members can gain several benefits from attending conferences, including:

1. Professional development: Conferences provide opportunities for faculty members to learn about new research, teaching methods, and trends in their field.
2. Networking: Conferences provide opportunities for faculty members to connect with other professionals in their field, which can lead to collaborations, job opportunities, and other benefits.
3. Sharing research: Conferences provide opportunities for faculty members to present their own research and receive feedback from other experts in the field.
4. Visibility: Conferences can help faculty members to increase visibility of their research and their institution, which can lead to more opportunities for collaboration, funding and recognition.
5. Career advancement: Participating in conferences can help faculty members to demonstrate their expertise, establish themselves as leaders in their field, and gain recognition and respect among their peers, which can help them to advance in their

S. No	**Name of the Faculty**	**Title of the Activity**	**Type of Activity**	**Academic Year**
1	M Rathna Chary	Attended National Web conference on challenges and innovations in engineering & technology	International conference	19-03-21
2	M Vijayakumar	Participated International conference on advances in science, engineering and technology	International conference	21-05-21
3	Mahantesh P	Participated International conference on advances in science, engineering and technology	International conference	21-05-21
4	Thangamani K	Attended International conference on emerging technologies and adaption in geotechnical engineering	International conference	05-08-21
5	Sujnani K	Attended International conference on emerging technologies and adaption in geotechnical engineering	International conference	05-08-21
6	Hima Bindu k	Attended International conference on emerging technologies and adaption in geotechnical engineering	International conference	05-08-21
7	G Venkata sai Prasad	Attended International conference on emerging technologies and adaption in	International conference	05-08-21

		geotechnical engineering		
8	Dr. Usha patil	Attended 4 Days international conference on Examination-IDEA 2021	International conference	06-08-21
9	Sujnani K	Participated In corporation of activated carbon and graphite composition for waste water treatment	ICASH-HUB	26-06-21

List of Students who participated in Workshop:

S. No	Roll Number	Name of the Student	Title of the Activity	Place of the Activity	From Date
1	18QM1A0113	K SURESH	National Level Workshop on Various Civil Engineering Aspects	Bharat Institute of Engineering and Technology	9-07-2021 to 10-07-2021
2	19QM5A0118	THARUN CHARY	National Level Workshop on Various Civil Engineering Aspects	Bharat Institute of Engineering and Technology	9-07-2021 to 10-07-2021
3	20QM5A0119	UDAYARAJ	National Level Workshop on Various Civil Engineering Aspects	Bharat Institute of Engineering and Technology	9-07-2021 to 10-07-2021
4	19QM5A0119	LAKSHMIKANTH	National Level Workshop on Various Civil Engineering Aspects	Bharat Institute of Engineering and Technology	9-07-2021 to 10-07-2021

List of Students who participated in Conference:

S. No	Roll Number	Name of the Student	Title of the Activity	Place of the Activity	From Date
1	17QM1A0124	SRAVANI REDDY	In corporation of activated carbon and graphite composition for waste water treatment	RSP Confrence HUB, Coimbatore, Tamilanadu	26.06.2021
2	17QM1A0140	T RAMU	In corporation of activated carbon and graphite composition for waste water treatment	RSP Confrence HUB, Coimbatore, Tamilanadu	26.06.2021
3	17QM1A0105	B VEERANAA	In corporation of activated carbon and graphite composition for waste water treatment	RSP Confrence HUB, Coimbatore, Tamilanadu	26.06.2021
4	17QM1A0110	BADREE ALAM	In corporation of activated carbon and graphite composition for waste water treatment	RSP Confrence HUB, Coimbatore, Tamilanadu	26.06.2021

List of Students who participated in Internship:

S. No	Roll Number	Name of the Student	Title of the Activity	Place of the Activity	From Date
1	19QM5A0104	A Rajesh Ram	Internship	Full stack development with Swecha	13-07-2020
2	17QM1A0111	D Divya	Training	GTT Foundation On Employabilty Skills	31-03-2021
3	17QM1A0132	P Pooja	Training	GTT Foundation On Employabilty Skills	31-03-2021

List of Students Published Paper in Conference:

S. No	Roll Number	Name of the Student	Title of the Activity	Place of the Activity	From Date
1	17QM1A0124	SRAVANI REDDY	In corporation of activated carbon and graphite composition for waste water treatment	RSP Conference HUB, Coimbatore, Tamil nadu	26.06.2021
2	17QM1A0140	T RAMU			
3	17QM1A0105	B VEERANAA			
4	17QM1A0110	BADREE ALAM			