

DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/1C/G/23-24

28 November 2023

То

The Principal,

GRIET,

Hyderabad.

Subject: Value Added Course on "Structural Health Monitoring (SHM) – Applications and Case Studies", Regd.

Sir,

With reference to above subject, we the Department of Civil Engineering introducing Value Added Course on "Structural Health Monitoring (SHM) – Applications and Case Studies" by Department of Civil Engineering for III-year B. Tech Civil Engineering Students. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

veit 28.11.23

Principal

Dr. GVV Satyanarayana AD Professor & HOP.ND Hicering Civil Engineering Depterinter PHI Engineering Depterinter Department of Depter Depter Department of Depter



Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering Timetable for Value Added Course AY: 2023-24

		W	e.f: 04 th December to	21 th December 2023		
Day	09:00am – 11:45am	11:45am -12:25pm	12:25pm – 02:55pm	3:00pm-05:00pm		
Monday	Regular Classwork		Regular Classwork	VAC-SHM		
Tuesday	Regular Classwork	in contra a silonda para	Regular Classwork	VAC-SHM		
Wednesday	Regular Classwork		Regular Classwork	VAC-SHM		
Thursday	Regular Classwork	LUNCH BREAK	Regular Classwork	VAC-SHM		
Friday	Regular Classwork		Regular Classwork	VAC-SHM		
Saturday	Regular Classwork		Regular Classwork	VAC-SHM		

Sub. Code	Sub. Short form	Subject	Speaker Name
	VAC-SHM	Structural Health Monitoring (SHM) – Applications and Case Studies	Mr. Akula Prakash, Assistant Professor, CE, GRIET. Mrs. K. Hemalatha, Assistant Professor, CE, GRIET.

HOD-CE

PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Kukatpally, Hyderabad-500 090

One Credit Course

Course Title : Structural Health Monitoring (SHM) – Applications and Case Studies

Total Number of Lecture Hours : 30

Course Content:

Introduction: Definition of SHM – Classification, Types and Components of SHM – Advantages and Benefits of SHM.

Sensing Technologies: Strain Measurement – Temperature Sensors – Fiber Optic Sensing Technology

Methodology: Sensors – Selection of Sensors – Installation and placement – Data acquisition – Communication – Processing and Analysis – Storage – Diagnostics and Prognostics – Retrieval of data.

Testing: Static Field Testing – Dynamic field testing (Introduction)

Remote Structural health monitoring: Remote Structural Health Monitoring - Importance and Advantages – Methodology – IoT applications in SHM – Application Machine leaning Techniques in SHM.

Targeted Audience :

1. B. Tech (Civil) III Year Students

Resource Persons

- 1. Mr. Akula Prakash, Assistant Professor, CE, GRIET.
- 2. Mrs. K. Hemalatha, Assistant Professor, CE, GRIET.

(SHM) – Applications and Case Structural Health Monitoring **Department of Civil Engineering** (4th December to 21st December 2023) nstitute of Engineering and Technology Gokaraju Rangaraju Office: 7207344440, 7207714441 Value Added Course Telangana. India-500090 Bachupally, Hyderabad, www.griet.ac.in (Autonomous) Organized by A PAN Coffer Studies Senior Administrative officer, GRIET Assistant Professor, CE, GRIET Professor & HOD, CE, GRIET Dr. Jandhyala N. Murthy, Dr. G V V Satyanarayana, **Resource Persons** 1. Mr. Akula Prakash, 1. Mr. Akula Prakash Ms. K. Hemalatha Ms. K. Hemalatha Mr. A Vittalaiah, Coordinators Dr. K. V. S. Raju, Principal, GRIET Director, GRIET Dr. J. Praveen, Convenor Patrons d ŝ d 2014 with an intake of 18 students which is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in equipped laboratories with an emphasis on skills and fundamentals. The The Department of Civil Engineering is The department has master's program in Structural Engineering, established in the year further increased to 30 students from the has 9 UG and 6 PG programs. The college is and ME. CSBS, Al&ML, DS are new programs. The institute is accredited by NAAC with academic year 2017. The department has well Department has well experienced and talented Gokaraju Rangaraju Institute of Engineering by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to GRIET is committed to quality education and is The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET NBA accredited in CE, CSE, ECE, EEE, IT, and autonomous under JNTUH, Hyderabad. and Technology (GRIET) is established in 1997Institute of Engineering and Technology Gokaraju Rangaraju known for its innovative teaching practices. aculty which includes nine doctorates. tune with the infrastructure growth. **Department of Civil Engineering** 'A++' grade. oractical

Registration	There is NO Registration Fee for the Value-	Added Course on "Structural Health Monitoring (SHM) – Applications and Case Studies"	Expected Outcome:	This course will help students to learn the basic	concepts of Structural Health Monitoring and	extended the learning to projects in the practical implications in civil engineering domine.	Important Dates	Receipt of Registrations : 02-12-2023	VAC Duration : Ath Eachmony to 31st December 2023	 Problem y to 21 December 2020 (Daily 3pm to 5pm) 				-
Course Contents	Introduction:	Definition of SHM – Classification, Types and Components of SHM – Advantages and Benefits of	SHM.	Sensing Technologies:	Strain Measurement – Temperature Sensors – Fiber	Optic Sensing Technology	Methodology: Sensors – Selection of Sensors – Installation and placement – Data acquisition –	Communication – Processing and Analysis –	Storage – Diagnostics and Prognostics – Retrieval of	dafa.	Testing: Static Field Testing – Dynamic field testing (Introduction)	Remote Structural health monitoring:	Remote Structural Health Monitoring – Importance and Advantages – Methodology – IoT applications	in SHM – Application Machine learning Techniques in SHM.
About Value Added Course	Structural Health Monitoring (SHM) is a field	that involves the use of various sensing technologies and data analysis techniques to	assess and monitor the condition of structures	over time. The primary goal of SHM is to detect and diagnose structural damage or deterioration	in real-time, allowing for timely maintenance or	intervention to ensure the safety, reliability, and	longevity of structures. Structural Health Monitoring is a	multidisciplinary field that plays a crucial role in ensuring the safety and reliability of various	structures through continuous monitoring, data	analysis, and timely intervention.				



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value-Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies

LIST OF REGISTERED PARTICIPANTS

S.No	Reg No	Student Name
1	21241A0101	ADAKULAPALLY ANIL
2	21241A0102	AGAM MALLIKARJUN
3	21241A0104	AMIRNENI YASASVI
4	21241A0105	ASALLA SAI KUMAR
5	21241A0106	VISHNU PULI
6	21241A0107	B SWATHI
7	21241A0111	BANOTH VAMSHI NAIK
8	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA
9	21241A0114	CHENNAM LOHITHA RAMA NAGA
10	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO
11	21241A0116	CHITAKOILA SHRUTHI
12	21241A0117	DEEPATI VINAY KUMAR
13	21241A0119	DURGAM SURAJ
14	21241A0120	GEEDIGINJALA DHANRAJ
15	21241A0121	GUDALA NITISH KUMAR
16	21241A0122	JADHAV SIKINDAR
17	21241A0124	JAVVADI SRIYANKA
18	21241A0125	JELLI JESSICA
19	21241A0126	K ANUSHA
20	21241A0127	K SREENU
21	21241A0128	KAMBLE SWAPNIL
22	21241A0129	KANDULA SHASHANK
23	21241A0130	KHAJA KAMALUDDIN
24	21241A0131	KODAKANDLA LOKESH
25	21241A0132	KUPPALA NAGA NARENDRA
26	21241A0133	KUTCHARLAPATI CHAITANYA
27	21241A0135	MANDA RAGHUVARDHAN
28	21241A0136	MEGHARAJ YASHESHWAR
20	21241A0137	NALUVALA GOUTHAM
30	21241A0138	OLETI DHANA LAXMI VARMA
21	21241A0139	ORSU KARTHIK
37	21241A0142	PENTAM ROHITH
33	21241A0143	RAMAVATH NAGESH

21241A0144	RATHOD SANJEEV
21241A0145	RAVURI AKASH
21241A0147	SAMA SHASHIDAR REDDY
21241A0149	SREE CHARAN KANNAM
21241A0151	TALARI SRIKEERTHAN
21241A0153	VANKUDOTH USHA
22245A0101	AKULA RAKSHITH
22245A0102	ANAGANI SUSHMA
22245A0103	AFSANA
22245A0104	DEEKONDA AKSHITHA
22245A0105	GANAPURAM SAI BHANVITHA
22245A0106	GURRAM ABHISHEK
22245A0107	J RUSHIKESH
22245A0108	JANGAM RAJESHWARI
22245A0109	JANGAPELLI VASU
22245A0110	MARAPELLY ASHRITHA
22245A0111	NEELI BHAVESH
22245A0112	NANDI SRINIVASA SAI MURARI
22245A0113	VIGNAN NANDIGAM
22245A0114	ORSU AJAYKUMAR
22245A0115	RAJU MADHUKAR
22245A0116	SAMALA SRIJA SRI
	21241A0144 21241A0145 21241A0147 21241A0147 21241A0149 21241A0151 21241A0153 22245A0101 22245A0102 22245A0103 22245A0105 22245A0105 22245A0106 22245A0107 22245A0108 22245A0109 22245A0109 22245A0110 22245A0111 22245A0112 22245A0113 22245A0114 22245A0115 22245A0116

hehen condinators り

2) - ton 2/12/2023

PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaralu Institute of Engineering and Technology Engineering and Technology Bachupally, Kukatpally, Hyderabad-500 090 the este - HOD :-



12/01/21/21/21

GRIET/6C/G/23-24

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET											
Department	Civil Engine	ering	Professiona	ll Body Instit Body	tutional							
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Add	ed Course										
Title / Theme of the Event	Structural H Studies	lealth Monitor	ing (SHM)	– Application	s and Case							
Details of the Coordinator& Designation	Convenor Dr. G V V Saty Professor & HO Coordinators 1. Mr. Akula Assistant P 2. Ms. K. Her Assistant P	/anarayana, DD, CE, GRIET Prakash rofessor, CE, GR nalatha professor, CE, GR	IET IET									
	From	То	No. of Days									
Event Dates/Days	04/12/2023	21/12/2023	15									
Details of the Speaker / Guest Organization Address:	 Mr. Akula Assistant Ms. K. He Assistant 	n Prakash Professor, CE, GF emalatha Professor, CE, GF	NET NET									
Participants (Teaching Faculty / Non- Teaching Faculty / Students)	No. of Faculty	No. of UG students 55	No. of PG Students	No. of outside participants	Total Participants 55							
Faculty Names & Designation	- 55 - 55											

Summary o	of the Event	The Structural Health Monitoring (SHM) – Applications and Case Studies aimed to provide a comprehensive overview of the latest developments and applications in the field of structural health monitoring. It showcased various case studies, cutting-edge technologies, and practical applications to enhance the understanding and implementation of SHM across diverse industries. The course began with an introduction to the importance of Structural Health Monitoring in ensuring the safety, reliability, and longevity of structures. The need for real-time monitoring to detect and mitigate potential structural issues was emphasized, setting the stage for the in-depth discussions. It served as a valuable platform for knowledge exchange, fostering collaboration, and exploring the future of SHM. The insights gained from the course are expected to contribute significantly to the advancement of structural health monitoring practices across various industries.
IRG (in rup	bees)	
Deposited name and o other detai	A/C no A/C date and ils	NIL
(enclose pr	:001-A/C	
Expenditu	re (in	
rupees)		NIL
(Enclose p	roof-bills)	the data
POs attain Event (number and o	ed with this	 b. Analyse problem and interpret the data. c. Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints. d. Identify, formulate, analyse, and interpret data to solve Civil Engineering problems. j. Work effectively as an individual or in a team and to function on multi-disciplinary context.

.

·

.





đ.



- Signature of Coordinators 1. Mr. Akula Prakash Assistant Professor, CE, GRIET.
- 2. Ms. K. Hemalatha Assistant Professor, CE, GRIET

Signature of Convenor Dr. G V V Satyanarayana, Professor & HOD, CE GRIET PROFESSOR AND negative of PROFESSOR OF CONTRACTOR PROFESSOR OF CONTRACTOR PROFESSOR AND NEGATIVE OF PROFESSOR OF CONTRACTOR PROFESSOR AND NEGATIVE OF PROFESSOR AND NEGATIVE OF PROFESSOR OF CONTRACTOR Department of Civil Engline Gokaralu Rangaralu Technology Engline of Negative of Bachupally, Kukatpally, Hyderabad-500 090 Hyderabad-500 090

			ATTH	ENDANCE S	HEETS					
			04-12-2023	05-12-2023	06-12-2023	07-12-2023	08-12-2023	11-12-2023	12-12-2023	13-12-2023
	-		Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday
	TH N	Nome of the Student	Sion	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.
S. No	Koll No.		D	e	đ	Q	ð	\$	P	D
-	21241A0101	ADAKULAPALLY ANIL	A	2	4	d	Ð	đ	4	6
2	21241A0102	AGAM MALLIKARJUN			Ċ	A	0	đ	¢	d
S	21241A0104	AMIRNENI YASASVI		60	7 6	- 6	0	0	d	¢
4	21241A0105	ASALLA SAI KUMAR	4	>		6	0	0	¢	õ
5	21241A0106	VISHNU PULI	8	÷.	40	2		-6	-5	0
9	21241A0107	B SWATHI	2	A	2	ŧ,		49	~	20
2	21241A0111	BANOTH VAMSHI NAIK	4	e	2	20	0		0	-PP
8	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJ	A		to		-0	t	a	D
σ	21241A0114	CHENNAM LOHITHA RAMA NAGA		ŧ		20	6	e		d
10	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RA	0	20	t	- 9	4		-¢	đ
-	21241A0116	CHITAKOILA SHRUTHI	0	0	5	50	20		A	ð
10	21241A0117	DEEPATI VINAY KUMAR	2	Ér	≯ ~€	2	4	6	50	Ø
1 2	21241A0119	DURGAM SURAJ	*	Y	2	6	20	5	4	0
2	21241A0120	GEEDIGINJALA DHANRAJ	0	0	ŧ	A	7		2 Ç	4
1 4	2124140121	GUDALA NITISH KUMAR	4	Z	2	E	2	-	- 0	
2 4	21241 40122	IADHAV SIKINDAR	9	5	2	20	¢ c		20	0
<u>o</u> ;	210414012	IAVVADI SRIYANKA	D	2	E	2	~		Þ	AR
2	21241A0124	TT I I I I I I I I I I I I I I I I I I	0	Ø	9	d	6°	2	1	202
18	21241A0125		ð	4	Ø	¢	Ć,	0	/	
19	21241A0126	K ANUSHA	0	0	£	β	b	0	4	9
20	21241A0127	K SREENU	¢	A	ð	d	¢	0	F	4
21	21241A0128	KAMBLE SWAPNIL	e	9	d	d	d	4	b	B
22	21241A0129	KANDULA SHASHANK	6	a	¢	a	đ	d	d	d
23	21241A0130	KHAJA KAMALUDDIN	-	d	B	q	đ	Q	¢	B
24	21241A0131	KODAKANDLA LOKESH		Q	0	A A	d	dr	b	0
25	21241A0132	KUPPALA NAGA NARENDRA	İ			Q	d	£	0	4
26	21241A0133	KUTCHARLAPATI CHAITANYA	2		0	, a	d	a	4	0
27	21241A0135	MANDA RAGHUVARDHAN	-		0		Q	0	4	b
28	21241A0136	MEGHARAJ YASHESHWAR	-	//				>		

Gokaraju Rangaraju Institute of Engineering & Technology

Value-Added Course on Structural-Health Monitoring (SHM) – Applications and Case Studies

			•	04-12-2023	05-12-2023	06-12-2023	07-12-2023	08-12-2023	<i>i</i> 1-12-2023	12-12-2023	13-12-2023
				Monday	Tuesday	Wednesday	Thursday	Friday	Monday	Tuesday	Wednesday
	S. No	Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	Sign
	29	21241A0137	NALUVALA GOUTHAM	5	d	~	5	đ	0		
	30	21241A0138	OLETI DHANA LAXMI VARMA	0	6	4	~	6	0	0	N
	31	21241A0139	ORSU KARTHIK	Ø	0	3	1	d	0	٩	0
	32	21241A0142	PENTAM ROHITH	4	6	0	৫	Ø	0	0	Q
	33	21241A0143	RAMAVATH NAGESH	5	d	Ø	D	6	d	0	Ø
4	34	21241A0144	RATHOD SANJEEV	d	O.	đ	0	Ø	8	0	d
	35	21241A0145	RAVURI AKAŠH	i d t	0	5	d,	d	a	0	0
	36	21241A0147	SAMA SHASHIDAR REDDY	d .	6	d	6	d	d		
-	37	. 21241A0149	SREE CHARAN KANNAM	6	b d	ð	0	6	0	0	0
F.	38	21241A0151	TALARI SRIKEERTHAN	0	6	d	6	h	5	B	y.
	39	21241A0153	VANKUDOTH USHA	0	đ	٢.	d.	d	Ø	d	9
ي ^{جر} يو	40	.22245A0101	AKULA RAKSHITH	8	0	b	6	P	0	7	5
	41	, 22245A0102	ANAGANI SUSHMA	: D:	1	J	1	P	5	- 0-	Ø
• 	42	22245A0103	AFSANA	5	P :	6	0	5	()	0	q
	43	22245A0104	DEEKONDA AKSHITHA	·	b	d	9	Ø	1	٢٩	A
+	44	22245A0105	GANAPURAM SAI BHANVITHA	b	6	d	0	P	5	A	Ø
7 - 2 - 2	45	22245A0106	GURRAM ABHISHEK	6	Ċ	5	0	Ø	Ø	0	5
	46	22245A0107	'J RUSHIKESH	, d	d	9	6	Ø	0	ৰ্ড	Ø
	47	22245A0108	JANGAM RAJESHWARI	P1	ર્ડ	4	0	5	1	20	0
	48	22245A0109	JANGAPELLI VASU	5	0	6	0	-	8	>	ß
5	49	22245A0110	MARAPELLY ASHRITHA	Ď.	.)	À	5	S	1	J ¢	5
2 ^{1/2} .	50	22245A0111	NEELI BHAVESH	0	5	d	0	ď	0	A	A
	51	22245A0112	NANDI SRINIVASA SAI MURARI	3	0	5	-	0	5	ð	0
	52	22245A0113	VIGNAN NANDIGAM	0	Sa	7	0	0	1	0	0
-	53	22245A0114	ORSU AJAYKUMAR	1 - C	2	d	4	/	1	S	
	54	22245A0115	RAJU MADHUKAR		3	J	/	0	S	A	e e
	55	22245A0116	SAMALA SRIJA SRI		*	~	3	B		A	5
				. 4-							
+						4					
2000 1000 1000						0				1	
				-	6	NN	X		I wit lo	<non <="" td=""><td></td></non>	
		•		Coudin Am	(• •	P	and when		5 24		
1						1					
				-	0.						

•

		Gokaraju Rang	araju Inst	itute of E	ngineeri	ng & Lec	nnology			
		Bachupall Bachupall Value-Added Course on Stru	ly, Nizampet R uctural Health	(Autonomous) (oad, Kukatp h Monitoring	ally, Hyderal g (SHM) – <i>i</i>	bad-500009 Applications	and Case St	udies		
	4.5		ATTEN	NDANCE SH	HETS					
			14-12-2023	15-12-2023	16-12-2023	18-12-2023	19-12-2023	20-12-2023 Wednesday	Thursday	
1		and the second	Thursday	Friday	Saturday	Monday	I uesuay Sian	Sign	Síon	
S. No	, Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign.	Digu.	0 1	0	
-	21241A0101	ADAKULAPALLY ANIL	50	2	4	e	6	0	0	
2	21241A0102	AGAM MALLIKARJUN	2	20		0	q	6		
3	21241A0104	AMIRNENI YASASVI	-	5	4	ď	0	6	ď	
4	21241A0105	ASALLA SAI KUMAR		-	40	A	ď		0	
5	21241A0106	VISHNU PULI		5	*	- 6	2	d	0	
9	21241A0107	B SWATHI	3		0	60	0	5	0	
2	21241A0111	BANOTH VAMSHI NAIK		٩		-	C	0	5	
8	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	à		50	0	Ş	0	Q	
6	21241A0114	CHENNAM LOHITHA RAMA NAGA	0	8		q	0	(G	
9	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	6		5 4	2	20	a		
11	21241A0116	CHITAKOILA SHRUTHI	ď	5	J	Ś	0	0~	40	
12	21241A0117	DEEPATI VINAY KUMAR	2	A	5-	0	-6	a	0	
13	21241A0119	DURGAM SURAJ		6	0	. (0	.04	0	
14	21241A0120	GEEDIGINJALA DHANRAJ	5.	2	-0		40	Ø	5	
15	21241A0121	GUDALA NITISH KUMAR	~		- 0	20	10	> d	A	
16	21241A0122	JADHAV SIKINDAR	A	÷	4	0		a	0	
17	21241A0124	JAVVADI SRIYANKA		S		- (20	0	0	
18	21241A0125	JELLI JESSICA	ú	10	Ċ	30	0	6	1	
19	21241A0126	K ANUSHA		0	50	- 0	0	à	B	
20	21241A0127	K SREENU		Ø	50	5	. 6	d	5	69
21	21241A0128	KAMBLE SWAPNIL			4	d	0	d, o	l d	
22	21241A0129	KANDULA SHASHANK		0	4	d	W	1	0	
23	21241A0130	KHAJA KAMALUDDIN	<<	(0	d	0	0	d.	
24	21241A0131	KODAKANDLA LOKESH		4	6	•	a	0	1	
25	21241A0132	KUPPALA NAGA NARENDRA	e and	d	8	0	a	d.	5	
26	21241A0133	KUTCHARLAPATI CHAITANYA	0	ß		d	. 0	٩	b	
27	21241A0135	MANDA RAGHUVARDHAN		Ę	4	ď	4	Ø	d	
28	21241A0136	MEGHARAJ YASHESHWAR					-	A		

Gokaraju Rangaraju Institute of Engineering & Technology

	10 241 - 1	1			14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -				i E				*				1					ų		÷		(غەر						
21-12-2023	Thursday	Sign	2:	9	5		d	6	d	a	ป	6	9	4	6	a	5	0	5	D	J	6	2	-	d		a	4	6				Crown me		
20-12-2023	Wednesday	Sign	5	1	0	6	5	Q	0	ē.	0	Å	ď	Da	1	6	Ø	d.	0,	0	0	d	0	3	1		5	1	0				5		
19-12-2023	Tuesday	Sign.	~	d	6	6	4	d	ď	9	0	٩	9	P	5	6	P	6	3	đ	1	b	٢	0	Z	20	•	G	d			_	S. A	and the	' Ъ
18-12-2023	Monday	Sign.	A	0	0	R.	n.	3	0	9	0	O.	D	-6	4	0	J	0	Ø	S	0	Ċ,	5	d	d	de	٨	0	Ø	2			C		
16-12-2023	Saturday	Sign.	Ø	5	b	b	5	6	1	в	J.	6	8		6	5	ß	ð	6	V	P	S	B		d	d	d	d	८				1. chus :		
15-12-2023	Friday	Sign.	d	Ű	0	5	Ø	d.	D.	6	D	ď	. 0	U	d,	D.	D	5	0	A	Ś	0	0:	0.	d	0	3	0	0			-		SO	
14-12-2023	Thursday	Sign.	5	d		4	0-	d	6		2	0	B	b	.de	1A	S. J	Ø	ð	j.		æ	9	.3	ð	2	2	5	2			·		• •	
2	1 4 4 5		1.1.1		1.10	4		C	-	1		• **		==*		1	~			2		50		2	-	-	22	-			-		· · ·	3. ⁶ 5	
		Name of the Student	NALUVALA GOUTHAM	OLETI DHANA LAXMI VARMA	ORSU KARTHIK	PENTAM ROHITH	RAMAVATH NAGESH	RATHOD SANJEEV	RAVURI AKASH	SAMA SHASHIDAR REDDY	SREE CHARAN KANNAM	TALARI SRIKEERTHAN	VANKUDOTH USHA	AKULA RAKSHITH	ANAGANI SUSHMA	AFSANA	DEEKONDA AKSHITHA	. GANAPURAM SAI BHANVITHA	GURRAM ABHISHEK	J RUSHIKESH	JANGAM RAJESHWARI	JANGAPELLI VASU	MARAPELLY ASHRITHA	, NEELI BHAVESH	, NANDI SRINIVASA SAI MURARI	VIGNAN NANDIGAM	ORSU AJAYKUMAR	RAJU MADHÚKAR	SAMALA SRIJA SRI						
		Roll No.	21241A0137	21241A0138	21241A0139	21241A0142	21241A0143	,21241A0144	21241A0145	21241A0147	21241A0149	21241A0151	21241A0153	22245A0101	22245A0102	22245A0103	22245A0104	*22245A0105	22245A0106	-22245A0107	*22245A0108	\22245A0109	22245A0110	22245A0111	22245A0112	22245A0113	22245A0114	22245A0115	22245A0116	-				-	بعنور م
		S. No	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55					•	

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)



Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies

INTERNAL ASSESSMENT QUESTION PAPER

- 1. Which of the following is not a goal of structural health monitoring?
 - A) Determining Whether Damage Exists in A Structure
 - B) Repairing The Damage
 - C) Quantifying How Severe the Damage Is
 - D) Detecting Where the Damage Is Located
- 2. Which of the following is not a type of structural health monitoring system?
 - A) Non-Destructive Evaluation (NDE)
 - B) Active SHM
 - C) Hybrid SHM
 - D) Passive SHM

3. Which of the following is not a type of sensor used in structural health monitoring?

- A) Accelerometer
- B) Strain Gauge
- C) Magnetostrictive Sensor
- D) Piezoelectric Sensor

4. Which of the following is not a factor that can affect the structural health of a structure? A) Material Production Stage

- R) Transportation
- B) TransportationC) Placement
- D) Weather
- D) weather
- 5. What is the primary goal of structural health monitoring (SHM)?
 - A) To assess the structural integrity of a system
 - B) To increase the aesthetic appeal of a structure
 - C) To reduce the cost of construction
 - D) To improve the comfort of occupants
- 6. Which of the following is NOT a commonly used technique in SHM?
 - A) Acoustic emission
 - B) Ultrasonic testing
 - C) Visual inspection
 - D) X-ray diffraction
- 7. What is the purpose of using sensors in SHM?
 - A) To increase the weight of the structure
 - B) To decrease the complexity of the monitoring system
 - C) To measure and collect data related to the structure's health
 - D) To improve the durability of the structure

- 8. Which of the following is an advantage of SHM?
 - A) It requires frequent manual inspection
 - B) It can detect hidden damage early
 - C) It increases the cost of maintenance
 - D) It is only applicable to new structures
- 9. What is the role of data analysis in SHM?
 - A) To make the structure more aesthetically pleasing
 - B) To interpret sensor data and assess the health of the structure
 - C) To reduce the need for sensor installation
 - D) To increase the complexity of the monitoring system
- 10. Which of the following is a challenge in SHM?
 - A) Lack of sensor technology
 - B) Limited data storage capacity
 - C) Difficulty in interpreting sensor data
 - D) High cost of maintenance
- 11. Which of the following is NOT a benefit of SHM?
 - A) Increased safety
 - B) Reduced maintenance costs
 - C) Improved structural performance
 - D) Decreased initial construction costs
- 12. What is the role of machine learning in SHM?
 - A) To increase the number of sensors used
 - B) To decrease the complexity of the monitoring system
 - C) To analyze sensor data and predict structural behavior
 - D) To eliminate the need for sensor calibration
- 13. Which sensing technique is often used to detect crack propagation in structures? A) Thermography
 - B) Piezoelectric Sensors
 - C) Fiber Optic Sensors
 - D) Strain Gauges
- 14. What type of data is typically collected by sensors in structural health monitoring systems?
 - A) Only visual data
 - B) Only numerical data
 - C) Both visual and numerical data
 - D) Only textual data

15. Which of the following is a non-destructive testing method commonly used in structural health monitoring?

- A) Load Testing
- B) Radiography
- C) Destructive Testing
- D) Visual Inspection

16. Which component of a structure is primarily monitored using accelerometers?

- A) Temperature
- **B) Vibration**
- C) Strain
- D) Displacement

.17. Which of the following is NOT a benefit of structural health monitoring?

- A) Early detection of structural damage
- B) Reduction in maintenance costs
- C) Increased risk of structural failure
- D) Improved safety of occupants
- 18. Which technique relies on the measurement of electrical resistance to monitor structural health?
 - A) Fiber Optic Sensors
 - B) Acoustic Emission
 - C) Strain Gauges
 - D) Electrical Resistance Strain Gauges
- 19. Which of the following is a type of sensor used in structural health monitoring?
 - A) Accelerometer
 - B) Strain gauge
 - C) Fiber optic sensor
 - D) All of the above

20. What is the goal of structural health monitoring?

- A) To prevent all structural failures
- B) To prolong the life of a structure
- C) To minimize downtime for maintenance
- D) To ensure the safety of occupants
- 21. Which of the following is a type of damage that can be detected using structural health monitoring?
 - A) Cracks
 - B) Corrosion
 - C) Fatigue

*

D) All of the above

22. Which of the following is NOT a challenge in structural health monitoring?

- A) Sensor placement
- B) Data interpretation
- C) Cost-effectiveness
- D) Limited sensor types

23. Which of the following is NOT a common method used in structural health monitoring?

- A) Strain gauges
- B) Acoustic emission
- C) Ultrasonic testing
- D) Thermography
- E) None of the above (all are common methods)

· weil and inorg

- A) X-ray testing
- **B)** Acoustic emission
- C) Load testing
- D) Dye penetrant testing
- 25. What is Structural Health Monitoring (SHM)?
 - A) Monitoring the health of structural engineers
 - B) Monitoring the health of structures
 - C) Monitoring the health of construction materials
 - D) Monitoring the health of civil engineers
- 26. Which of the following is NOT a benefit of Structural Health Monitoring?
 - A) Early detection of damage
 - B) Reduced maintenance costs
 - C) Increased safety
 - D) Decreased monitoring costs
- 27. Which of the following is a technique used in Structural Health Monitoring?
 - A) Finite Element Analysis (FEA)
 - B) Field Emission Microscopy (FEM)
 - C) Fluid Dynamics Analysis (FDA)
 - D) None of the above
- 28. Which of the following is NOT a method of Structural Health Monitoring?
 - A) Vibration monitoring
 - B) Acoustic emission monitoring
 - C) Visual inspection
 - D) Magnetic resonance imaging

29. What is the role of data analytics in Structural Health Monitoring?

- A) To collect data from sensors
 - B) To process and analyze data to detect damage
 - C) To install sensors on structures
 - D) To design structures

30. Which of the following is NOT a commonly used sensing technology in SHM?

- A) Fiber optics
- B) Acoustic emission
- C) GPS
- D) Radar

coordination :

Page | 4



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies Internal Assessment Score

S. No	Roll No.	Name of the Student	Email ID	Phone Number	Score
1	21241A0101	ADAKULAPALLY ANIL	aniladaakula8980@gmail.com	+91 91214 61236	26/30
2	21241A0102	AGAM MALLIKARJUN	agammallikarjun12@gmail.com	+91 86888 11699	19/30
3	21241A0104	AMIRNENI YASASVI	amirneniyasasvi@gmail.com	+91 75694 68941	20/30
4	21241A0105	ASALLA SAI KUMAR	saikumarasalla123@gmail.com	+91 93817 75938	18/30
5	21241A0106	VISHNU PULI	pulivishnuyadav@gmail.com	+91 63097 76356	15/30
6	21241A0107	B SWATHI	bendhurswathi@gmail.com	+91 79891 79736	21/30
7	21241A0111	BANOTH VAMSHI NAIK	vamshibanoth812@gmail.com	+91 63013 78062	23/30
8	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	bsaibaradwaja@gmail.com	+91 95733 49697	22/30
9	21241A0114	CHENNAM LOHITHA RAMA NAGA	lohithachennam47@gmail.com	+91 80746 71005	23 / 30
10	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	chevendra12@gmail.com	+91 81696 53825	27 / 30
11	21241A0116	CHITAKOILA SHRUTHI	shruthichitakoila@gmail.com	+91 90144 40517	20/30
12	21241A0117	DEEPATI VINAY KUMAR	vinayshiny43@gmail.com	+91 91219 51584	26/30
13	21241A0119	DURGAM SURAJ	suraj21241a0119@grietcollege.com	+91 93473 35010	27 / 30
14	21241A0120	GEEDIGINJALA DHANRAJ	gdhanrajmudiraj13@gmail.com	+91 91823 61780	23 / 30
15	21241A0121	GUDALA NITISH KUMAR	gudalanitish7@gmail.com	+91 97019 04911	22 / 30
16	21241A0122	JADHAV SIKINDAR	jadhavsikindar411@gmail.com	+91 90144 17844	17/30
17	21241A0124	JAVVADI SRIYANKA	sriyasriyanka4@gmail.com	+91 63099 77445	18/30
18	21241A0125	JELLI JESSICA	jessicajalli08@gmail.com	+91 81437 00943	17/30
19	21241A0126	K ANUSHA	kokkeraanusha23@gmail.com	+91 62818 62250	19/30
20	21241A0127	K SREENU	katravathsreenu1234@gmail.com	+91 95736 80778	22/30
21	21241A0128	KAMBLE SWAPNIL	swapnil21241a0128@grietcollege.com	+91 93927 33246	18/30
22	21241A0129	KANDULA SHASHANK	toshashank14@gmail.com	+91 63022 11781	23/30
23	21241A0130	KHAJA KAMALUDDIN	mohammadaftab8790@gmail.com	+91 63044 37213	18/30
24	21241A0131	KODAKANDLA LOKESH	lokeshkodakandla1613@gmail.com	+91 96032 40671	21/30
25	21241A0132	KUPPALA NAGA NARENDRA	narendrakuppala083@gmail.com	+91 93924 01378	30/30
26	21241A0133	KUTCHARLAPATI CHAITANYA	chaitanyakutchrlapati@gmail.com	+91 79899 14210	20/30
27	21241A0135	MANDA RAGHUVARDHAN	raghuvardhanmandha@gmail.com	+91 96666 30055	30/30
28	21241A0136	MEGHARAJ YASHESHWAR	eshwarmegharaj@gmail.com	+91 82475 67298	22/30
29	21241A0137	NALUVALA GOUTHAM	gouthammm196@gmail.com	+91 91214 43052	19/30
30	21241A0138	OLETI DHANA LAXMI VARMA	oletivarma2002@gmail.com	+91 72870 11298	19/30
31	21241A0139	ORSU KARTHIK	orsukarthik9100@gmail.com	+91 91005 34133	17/30
32	21241A0142	PENTAM ROHITH	rohith14052004@gmail.com	+91 97013 60090	16/30
33	21241A0143	RAMAVATH NAGESH	nageshramavath894@gmail.com	+91 88972 40512	30/30
34	21241A0144	RATHOD SANJEEV	sunnysanjeevrathod15@gmail.com	+91 93812 82728	19/30
35	21241A0145	RAVURI AKASH	ravuria595@gmail.com	+91 96403 26789	17/30
36	2124140147	SAMA SHASHIDAR REDDY	ssreddy0308@gmail.com	+91 81254 17679	20/30

37	21241A0149	SREE CHARAN KANNAM	k.sreecharan28@gmall.com	+91 80089 83457	28/30
38	21241A0151	TALARI SRIKEERTHAN	srikeerthanbajju@gmail.com	+91 95736 73750	21/30
39	21241A0153	VANKUDOTH USHA	ushapawar0905@gmall.com	+91 80746 95720	19/30
40	22245A0101	AKULA RAKSHITH	arakshith301@gmall.com	+91 88979 74659	27/30
41	22245A0102	ANAGANI SUSHMA	sushmaanaganl003@gmall.com	+91 63005 54650	21/30
42	22245A0103	AFSANA	shalkafsana2003@gmall.com	+91 93980 53897	23/30
43	22245A0104	DEEKONDA AKSHITHA	akshithadeekonda14@gmail.com	+91 96034 09339	22/30
44	22245A0105	GANAPURAM SAI BHANVITHA	salbhanvitha2004@gmail.com	+91 86881 50400	23 / 30
45	22245A0106	GURRAM ABHISHEK	gurramabhishek123@gmail.com	+91 81061 24732	27/30
46	22245A0107	J RUSHIKESH	Jadalarushikesh5@gmail.com	+91 86884 69603	20/30
47	22245A0108	JANGAM RAJESHWARI	jangamrajeshwari881@gmail.com	+91 70326 93025	26/30
48	22245A0109	JANGAPELLI VASU	vasujangapelll@gmail.com	+91 86884 15521	27/30
49	22245A0110	MARAPELLY ASHRITHA	ashrithamarapelly@gmail.com	+91 83091 70811	23/30
50	22245A0111	NEELI BHAVESH	bhavesh.neeli8@gmail.com	+91 77948 72776	30/30
51	22245A0112	NANDI SRINIVASA SAI MURARI	murarinandi043@gmail.com	+91 99594 14178	20/30
52	22245A0113	VIGNAN NANDIGAM	rickynandigam@gmail.com	+91 90144 55496	30/30
53	22245A0114	ORSU AJAYKUMAR	orsuajaykumar29@gmail.com	+91 85006 00183	22/30
54	22245A0115	RAJU MADHUKAR	rajumadhu587@gmail.com	+91 90595 42604	19/30
55	22245A0116	SAMALA SRIJA SRI	srijasrisamala@gmail.com	+91 86886 44475	19/30

Coordinator

her with

LOD

)

PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Engineering ally, Kukatpaily, Bachupally, Kukatpaily, Hyderabad-500 0:20 Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Value-Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

FEEDBACK RESPONSES

19		1.					18 () · · · · · · · · ·												
	YOUR SUGGESTIONS AND COMMENTS	Nil	Nothing	Need More	Sessions		Very good	Good	It's already best	Good	Encouragement	should be done	Nil	Good	Good		Good		Nothing
	KEY TAKEAWAYS FROM THE VAC	Nîl	Nothing		Upto the Mark	We could know	about uses of SHM in daily life	Applications	Great topic	SHM	Cational	Satisfactory	Nil	Nil	SHM	Different	applications of	INIUC	SHM
	DO YOU NEED MORE PROGRAMS LIKE THIS ??	S	5		4		S	5	4	ъ		4	S	4	4		m		4
THE DESOURCE.	PERSONDED TO PERSONDED TO QUESTIONS IN AN INFORMATIVE AND APROPRIATE	ſ	5		4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ŋ	S	4	- Lo		4	2	4	4	A COLOR	m	NAME OF	. 4
	THE SESSIONS WAS IN CLEAR AND ORGANIZED MANNER	رم ا	, u	b	4		IJ	5 C	4	. r		4	5	4	V	r	ſ		4
	YOUR OVERALL SATISFACTION LEVEL ABOUT THE VAC	ſ		n	4	5 m 1	ß	ſ	0 <	t u		4	4			†	m		4
	Name of the Student		ADAKULAPALLY AINIL	AGAM MALLIKARJUN	AMIRNENI YASASVI		ASALLA SAI KUMAR		VISHNU PULI	B SWATHI	BANOTH VAMSHI NAIK	BHIMAVARAPU HEMA SAI BHARADWAJA	CONTRACT ON THAT BAMA NAGA		Ch. VENKAIA SAI KAKAW SINING VIANANA SAI A SAI	CHITAKOILA SHRUTHI	DEEDATI VINAY KUMAR		
181 S. 184	Roll No.		21241A0101	21241A0102	21241A0104		21241A0105		21241A0106	21241A0107	21241A0111	21241A0112		21241A0114	21241A0115	21241A0116	7110414040	/TTOAT6717	
	S. No	1	-	2	"	,	4		S	9	7	00	>	6	10	11		77	

	-									-	-															
Nil	Good	III	IN	Good		Good	Use updated	Nil	Good program	Good	No comments	IIN	No		Excellent		Nothing	Nothing	Good	Good	Conducted this exam is good	Good	No comments	Very good	No comments	More workshops is Reauired
Nil	SHM	Full	N	Good	Better Knowledge on	working of	Good	lin	Very good	SHM	Knowledge	Nil	Yes	Good and	encouraging to	students	Nothing	Nothing	Nothing	Nothing	l got an idea in SHM	Good	Knowledge about SHM	Very good	No comments	An intro to SHM
5	2	m	ц Г	4		ъ	4	5	4	S	2	4	S		4	1	ŋ	5	5	5	3	4	m	S	S	ß
Ś	2	m	4	4		ы	4	4	5	5	2	5	5		4	L	n	5	5	ъ	1	4	3	ß	5	5
S	2	ε	11:4	4		ъ	4	4	5	5	2	5	5		4	Ľ	n	5	ъ	S	Ŋ	4	4	5	5	ß
5	2	3		5		Ŋ	4	4	5	5	2	5	5		4	Ľ		2	5	ß	Ŀ	4	m	5	5	5
GEEDIGINJALA DHANRAJ	GUDALA NITISH KUMAR	JADHAV SIKINDAR	JAVVADI SRIYANKA	JELLI JESSICA	K ANIICH A	ARCONA	K SREENU	KAMBLE SWAPNIL	KANDULA SHASHANK	KHAJA KAMALUDDIN	KODAKANDLA LOKESH	KUPPALA NAGA NARENDRA	KUTCHARLAPATI CHAITANYA		MANDA RAGHUVARDHAN	MEGHAPALYASHESHWAP		NALUVALA GOUTHAM	OLETI DHANA LAXMI VARMA	ORSU KARTHIK	PENTAM ROHITH	RAMAVATH NAGESH	RATHOD SANJEEV	RAVURI AKASH	SAMA SHASHIDAR REDDY	SREE CHARAN KANNAM
21241A0120	21241A0121	21241A0122	21241A0124	21241A0125	2124140126	0710414717	21241A0127	21241A0128	21241A0129	21241A0130	21241A0131	21241A0132	21241A0133		21241A0135	3510010010	0010414717	21241A0137	21241A0138	21241A0139	21241A0142	21241A0143	21241A0144	21241A0145	21241A0147	21241A0149
14	15	16	17	18	6	7	20	21	22	23	24	25.	26		27	őC	2	29	30	31	32	33	34	35	36	37

÷

4 Nothing good	5 Nothing More training is Required	4 No Good	3 Nil Nil	4 Nil Good	3 SHM Good	Different 5 applications of Good sum	5 SHM Nothing	4 Nil Nil	5 SHM Good	2 Full Nil	3 Nil Nil	5 Good Good	4 I got an idea in Conducted this SHM exam is good	4 Good Good	5 Knowledge No comments about SHM	4 Very good Very good	7 No commonte No commonte
4	4	4	1	4	m	ъ	5	4	ъ	2	3	4	4	4	4	4	Ŧ
5	4	4	ъ	4	4	ъ	ы	4	ъ	2	£	4	4	ъ	4	4	-
ß	4	m	5	4	m	ß	ŝ	4	5	2	m	ъ	S	m	4	æ	L
TALARI SRIKEERTHAN	VANKUDOTH USHA	AKULA RAKSHITH	ANAGANI SUSHMA	AFSANA	DEEKONDA AKSHITHA	GANAPURAM SAI BHANVITHA	GURRAM ABHISHEK	J RUSHIKESH	JANGAM RAJESHWARI	JANGAPELLI VASU	MARAPELLY ASHRITHA	NEELI BHAVESH	NANDI SRINIVASA SAI MURARI	VIGNAN NANDIGAM	ORSU AJAYKUMAR	RAJU MADHUKAR	
21241A0151	21241A0153	22245A0101	22245A0102	22245A0103	22245A0104	22245A0105	22245A0106	22245A0107	22245A0108	22245A0109	22245A0110	22245A0111	22245A0112	22245A0113	22245A0114	22245A0115	
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	23	54	

PROFESSOR AND HEAD PROFESSOR AND HEAD Department of Civil Engineering Sokaraju Rangaraju Institute of Aokaraju Rangaraju Institute of Fingineering and Technology Fingineering and Technology Sachupally, Kukatpally, Her My Hen : condination

Coto San Cot 4th This is to certify that AGAM MALLIKARJUN, Bearing Roll Number 21241A0102 Pursuing Monitoring (SHM) - Applications and Case Studies organized by Department of Civil Engineering and Technology has attended Value Added Course on Structural Health Structural Health Monitoring (SHM) – Applications and Case Studies III B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during Institute of Engineering and Technology Dr. J. Praveen J. Bareer Principal, GRIET Certificate of Participation 4th December to 21st December 2023 Department of Civil Engineering VALUE ADDED COURSE Dr. G V V Satyanarayana Convenor & HoD, CE Organized by uo December to 21st December 2023 Mr. Akula Prakash Course Coordinator, CE Griet

This is to certify that AMIRNENI YASASVI, Bearing Roll Number 21241A0104 Pursuing Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 4th Monitoring (SHM) - Applications and Case Studies organized by Department of Civil Structural Health Monitoring (SHM) - Applications and Case Studies III B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Structural Health Institute of Engineering and Technology Dr. J. Praveen J. Bavery Principal, GRIET GOKARAJU RANGARAJI bertificate of Participation 4th December to 21st December 2023 Department of Civil Engineering VALUE ADDED COURSE Dr. G V V Satyanarayana Convenor & HoD, CE Organized by uo December to 21st December 2023. Mr. Akula Prakash Course Coordinator, CE Griet **HERRICHTER CONTRACTOR CONTRACTOR**

INTERNET CONTRACTOR CONT 4th This is to certify that ASALLA SAI KUMAR, Bearing Roll Number 21241A0105 Pursuing Engineering and Technology has attended Value Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies organized by Department of Civil III B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Structural Health Monitoring (SHM) – Applications and Case Studies Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during Institute of Engineering and Technology GOKARAJU RANGARAJU Dr. J. Praveen J. Bareero Principal, GRIET Sertificate of Jarticipation 4th December to 21st December 2023 Department of Civil Engineering VALUE ADDED COURSE Dr. G V V Satyanarayana Convenor & HoD, CE Organized by uo December to 21st December 2023. Mr. Akula Prakash Course Coordinator, CE Griet) 11150

Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 4th This is to certify that VISHNU PULI, Bearing Roll Number 21241A0106 Pursuing III B. Tech I Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies organized by Department of Civil Dr. J. Praveen J. Bareer Principal, GRIET Dr. G V V Satyanarayana Convenor & HoD, CE December to 21st December 2023. Mr. Akula Prakash Course Coordinator, CE MUMBURGER BURGER BURGER



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/1C/G/23-24

04th June 2024

The Principal,

GRIET,

To

Hyderabad.

Subject: Value Added Course on "Safety Aspects in Construction", Regd.

Respected Sir,

With reference to the above subject, we the Department of Civil Engineering introducing Value Added Course on "Safety Aspects in Construction" for II B. Tech Civil Engineering Students. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Regulation: GR22V8023 course code: GR23V8023

Thanks & Regards

416124

Dr. G V V Satyanarayana Professor & HODEAD Civil Engineering Dept of PROFESS of Civil Institution Department of Civil Institution Oekaralu Rangarat Technology Gokaralu Rangard Technology Bachupally, Kukatpally, Engineering and Kukatpally, Bachupally, Kukatpally, Hyderabad, 500 090

Principal



Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering Timetable for Value Added Course AY: 2023-24

			w.e.f: 10 th Jur	ic to 27th June 2024
Day	08:50am – 11:20am	11:20am -12:00pm	12:0pm – 02:45pm	3:00pm-05:00pm
Monday	Regular Classwork		Regular Classwork	VAC-SAC
Tuesday	Regular Classwork		Regular Classwork	VAC-SAC
Wednesday	Regular Classwork		Regular Classwork	VAC-SAC
Thursday	Regular Classwork	LUNCH BREAK	Regular Classwork	VAC-SAC
Friday	Regular Classwork		Regular Classwork	VAC-SAC
Saturday	Regular Classwork	-	Regular Classwork	VAC-SAC
			-	

Sub. Code	Sub. Short form	Subject	Speaker Name
GR23V 8023	VAC-SAC	Safety Aspects in Construction	 Mr. T. Srikanth Associate Professor, CE, GRIET. Mrs. K. Hemalatha Assistant Professor, CE, GRIET. Mr. Akula Prakash, Assistant Professor, CE, GRIET. Mr. A Vittalaiah, Assistant Professor, CE, GRIET.

Twet 416124

HOD-CE PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Kukatpally, Hyderabad-500 090

One Credit Course

Course Title : Safety Aspects in Construction

Total Number of Lecture Hours : 30

Course Content:

Introduction - Basic terminology in safety, types of injuries, safety pyramid, Accident patterns, theories of accident-causation.

Safety Budget - Planning for safety budget, safety culture, Introduction to OSHA regulations; Role of stakeholders in safety.

Safety Programs - Site safety programs - Job hazard analysis, accident investigation & accident indices-violation, penalty.

On Site Safety - Safety during construction, alteration, demolition works - Earthwork, steel . construction, temporary structures, masonry & concrete construction, cutting & welding Safe Operating Procedures – SoP's, Construction equipment, materials handling-disposal & hand tools, other hazards – fire, confined spaces, electrical safety; BIM & safety

Targeted Audience :

1. B. Tech (Civil) Il Year Students

Resource Persons

- 1. Mr. T. Srikanth Associate Professor, CE, GRIET.
- 2. Mrs. K. Hemalatha Assistant Professor, CE, GRIET.
- 3. Mr. Akula Prakash, Assistant Professor, CE, GRIET.
- 4. Mr. A Vittalaiah, Assistant Professor, CE, GRIET.

Safety Aspects in **Department of Civil Engineering** Institute of Engineering and Technology Gokaraju Rangaraju Office: 7207344440, 7207714441 Construction Value Added Course (10th June to 27th June 2024) Telangana. India-500090 Bachupally, Hyderabad, www.griet.ac.in (Autonomous) Organized by Senior Administrative officer, GRIET Associate Professor, CE, GRIET. Assistant Professor, CE, GRIET. Assistant Professor, CE, GRIET. Assistant Professor, CE, GRIET. Assistant Professor, CE, GRIET Assistant Professor, CE, GRIET Professor & HOD, CE, GRIET Dr. G V V Satyanarayana, Dr. Jandhyala N. Murthy, Mr. Akula Prakash, **Resource Persons** Mrs. K. Hemalatha 1. Mr. Akula Prakash Mr. A Vittalaiah. Mr. A Vittalaiah. 1. Mr. T. Srikanth Coordinators Dr. K. V. S. Raju. Principal, GRIET Director, GRIET Dr. J. Praveen, Convenor Patrons e. The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in 2014 with an intake of 18 students which is equipped laboratories with an emphasis on practical skills and fundamentals. The further increased to 30 students from the Department has well experienced and talented The department has master's program in NBA accredited in CE, CSE, ECE, EBE, IT, and ME. CSBS, Al&ML, DS are new programs. Structural Engineering, established in the year academic year 2017. The department has well GRIET is committed to quality education and is has 9 UG and 6 PG programs. The college is The institute is accredited by NAAC with The mission of GRIET is to achieve and impart skills and social relevance. Presently GRIET by Dr. G Gangaraju as a self-financed institute under the acgis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. quality education with an emphasis on practical Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 Institute of Engineering and Technology known for its innovative teaching practices. Gokaraju Rangaraju faculty which includes nine doctorates. **Department of Civil Engineering** tune with the infrastructure growth. 'A++' grade.

for ensuring safety and health on ion sites. It covers the importance of ommon hazards, and risk assessment emphasizing the implementation of measures to mitigate risks. The course emphasizing the implementation of measures to mitigate risks. The course stakehol measures to mitigate risks and the regulatory framework, including the regulatory framework, including regulations and local standards, and hazard a ection, scaffold safety, electrical safety, thresses specific safety concerns such as ection, scaffold safety, electrical safety, ety, and the safe operation of heavy ety, and the safe operation of heavy indices- nets and machinery. Additionally, the construction ety and the promotion of a safety culture through effective investigation, and the promotion of a safety culture through effective and best practices are analysed to electrical and best practicel application, ily aiming to reduce accidents, ensure ity compliance, and enhance overall site
pliance, and enhance overall site

A STATE OF THE OWNER
And a state of the second
3



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction

LIST OF REGISTERED PARTICIPANTS

S.No	Reg No	Student Name
1	22241A0101	Andela Nandu Yadav
2	22241A0102	Banoth Manasa
3	22241A0103	Bhukya Naveen
4	22241A0104	Boddu Manoj
5	22241A0105	Boina Rama Krishna
6	22241A0107	Chintamalla Varun Kumar
7	22241A0109	Gajjelli Vinay Kumar
8	22241A0110	Gangapuram Yuvraj
9	22241A0111	Ganjayee Madhavi
10	22241A0113	Harijana Murali
11	22241A0114	Jadi Akshara
12	22241A0116	Kanagala Sandeep
13	22241A0119	Kottam Shiva Priya
14	22241A0120	Kunchala Adhiseshu
15	22241A0121	Kunchala Venkata Sai
16	22241A0122	Mandha Madhavi
17	22241A0124	Mekala Keerthana
18	22241A0126	Nallametla Yashwanth
19	22241A0127	Narisetty Nithin Jyothir Kumar
20	22241A0128	Nenavath Shiva
21	22241A0129	Polagani Mohit
22	22241A0131	Redapangu Swapna
23	22241A0132	Sankoju Akshay Kumar
24	22241A0133	Shanigarapu Aravind
25	22241A0134	Siddapuram Kalguti Sai Teja
26	22241A0140	Vadde Anil Kumar
27	23245A0101	Beechireddy G Pavan Kumar Reddy
28	23245A0102	Bonagiri Shiva Prasad
29	23245A0103	Chetlapally Supraja
30	23245A0104	Dandu Sheryel Anshika
31	23245A0105	Erigela Niharsha
23245A0107	Gajula Kiran	
------------	--	
23245A0108	Gurram Eshwar	
23245A0109	Jangili Ravi Kumar	
23245A0110	Jukuru Prasanna	
23245A0111	Jupaka Aranya	
23245A0112	Koradala Venkat	
23245A0113	Mohammed Ashreen Saniya	
23245A0114	N Apurva	
23245A0115	Pinapaka Vyshnavi	
23245A0116	Pittala Pranay Kumar	
23245A0117	Rangineni Meghana	
23245A0118	Sai Ganesh	
23245A0119	Sangi Sankay Kumar	
23245A0120	Sri Vardhan Pasunuri	
23245A0121	Sriramoju Anudeep	
23245A0122	Tampa Chandana	
23245A0123	Uddandam Anu Sree	
23245A0124	Varala Santhosh Kumar	
23245A0125	Vollem Manjusha	
	23245A0107 23245A0108 23245A0109 23245A0110 23245A0111 23245A0112 23245A0112 23245A0113 23245A0114 23245A0115 23245A0116 23245A0117 23245A0118 23245A0119 23245A0120 23245A0121 23245A0122 23245A0123 23245A0124 23245A0125	

coordinatas 1) by 2) Aug

Hor Hor

PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Kukatpally, Hyderabad-500 090



GRIET/6C/G/23-24

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET				.4
Department	Civil Engine	ering	Professional	Body Institu Body	tional
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Add	ed Course			
Title / Theme of the Event	Safety Aspec	cts in Construc	tion		
Details of the Coordinator& Designation	Convenor Dr. G V V Saty Professor & HO Coordinators 1. Mr. Akula Assistant P 2. Mr. A Vitta Assistant P	anarayana, DD, CE, GRIET Prakash rofessor, CE, GRI alaiah rofessor, CE, GRI	ET ET		
Event Dates/Davs	From	То	No. of Days		
Event Dates/Days	10-06-2024	27-06-2024	15		-
Details of the Speaker / Guest Organization Address:	 Mr. T. Sri Associate Mrs. K. H Assistant Mr. Akula Assistant Mr. A Vit Assistant 	kanth Professor, CE, Gl emalatha Professor, CE, GF a Prakash, Professor, CE, GF talaiah, Professor, CE, GI	RIET. RIET. RIET. RIET.		
Participants (Teaching Faculty / Non-	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participant
Teaching Faculty / Students)	-	50			50

Faculty Names & Designation	-
Summary of the Event	The session on Safety Aspects in Construction addressed the crucial relevance of worker safety in the construction sector, as well as legal and ethical duties. Key risks highlighted included falling from heights, electricity, being struck by or caught in/between occurrences, hazardous chemicals, and noise. The course addressed complete risk assessment and management methodologies, including hazard identification, risk evaluation, and control measure implementation. The correct use, maintenance, and training of personal protective equipment (PPE) was emphasized. Continuous safety training and education were prioritized to promote a safe culture. Essential practices included the formulation and clear communication of safety rules and procedures, as well as frequent safety audits and accident investigations. The training also stressed the significance of visible safety signs and good communication tactics. Another important concern was emergency readiness, which included reaction plans and easy access to first aid. Worker health and well-being were prioritized, with an emphasis on ergonomics, stress management, and support systems. Finally, the workshop looked at how technological advances like drones, wearable technology, automation, and safety management software may help improve construction site safety procedures.
IRG (in rupees)	
Deposited A/C no A/C name and date and other details	NIL
(enclose proof-A/C statement)	
Expenditure (in rupees)	NIL
(Enclose proof-bills)	
POs attained with this Event (number and description)	 b. Analyse problem and interpret the data. c. Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints. d. Identify, formulate, analyse, and interpret data to solve Civil Engineering problems. j. Work effectively as an individual or in a team and to function on multi-disciplinary context.







Signature of Coordinators 1. Mr. Akula Prakash Assistant Professor, CE, GRIET.

2. Mr. A. Vittalaiah (Kuy Assistant Professor, CE, GRIET

Signature of Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET.

Gokaraju Rangaraju Institute of Engineering & Technology

Value-Added Course on Safety Aspects in Construction ATTENDANCE SHEETS (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

(Gild)

19-06-2024	Vednesday	Cian	olgu-	Neudr	verer	X	fores	den	A	5	EX	1. Medur	Munh	A	Sardey	da la	Della	Sac	rielin	Lewhon	Vinc	4	1 ms	4	my	
18-06-2024	Tuesday		Sign.	Naudr	Maran	- AB-	aven	Hen	B	sing	hur	a-redue (Nuelu	5	Sunday	SW	t) chri	2 and	Medlew	Leuhe	Yer	TF.		\$	An	
15.06-2024	aspanies	Saluruay	Sign.	Naude	Never	and the	Manh	den	Ð	Viron	Yun .	a. Niedler		A		1000	Arus		Medler	Luthan	Yart	AL	11/1	Ð	my	
100 10 11	14-00-2024	Friday	Sign.	Nard	Marak	P	Marie	Daw	9	Viney	, Long	6. Madher	Junel	6	Conducto	00)	S	Madrei	doerhen	Yerk	TU	SUVC	A	And a	ţ
	13-06-2024	Thursday	Sign.	Made	Manale		March	Jan.	d	Virey	Yund	(n. Madher	Maria	4	Sendero		THU	10	Mordhey	Leutren	Jur L	·F		Ą	2 m	
	12-06-2024	Wednesday	Sion.	Alcoha	Menale		and the	Dais	A	Virial	hurry	G. Madhai	c)o I I I	200	3	SID			NIT IN	doution	Yar	41	JACK Y	A	Sur	200
	11-06-2024	Tuesday	Sign	Jugic .	News		L'AND C	and	Kent	1 NOUT	Unit!	Monthe		Muler	Cross of the	Some		1 Day	2 and	Innam	Val	111	Conve-	R	2	
	10-06-2024	Monday		Sign.	Norder	Manarc		Marie	gam.		SAL A	1000	Co. I verenne	Mmen	SHC	Sunderp		+)du	and a	Nedleur	Keneman	Jul 1	0		ja	-D
				Name of the Student	Andela Nandu Yadav	Banoth Manasa	Bhukya Naveen	Boddu Manoj	Boina Rama Krishna	Chintamalla Varun Kumar	Gajjelli Vinay Kumar	Gangapuram Yuvraj	Ganjayee Madhavi	Harijana Murali	Jadi Akshara	Kanagala Sandeep	Kottam Shiva Priya	Kunchala Adhiseshu	Kunchala Venkata Sai	Mandha Madhavi	Mekala Keerthana	Nallametla Yashwanth	Narisetty Nithin Jyothir Kumar	Nenavath Shiva	Polagani Mohit	Redapangu Swapna
				Roll No.	22241A0101	22241A0102	22241A0103	22241A0104	22241A0105	22241A0107	22241A0109	22241A0110	22241.A0111	22241A0113	22241A0114	22241A0116	22241A0119	22241A0120	22241A0121	22241A0122	22241A0124	22241A0126	22241A0127	22241A0128	22241A0129	22241A0131
				S. No	-	2	0	4	5	9	7	80	σ	10	1	1	13	14	15	16	17	18	19	20	21	22

			10-06-2024	11-06-2024	12-06-2024	13-06-2024 Thursday	14-06-2024 Fridav	15-06-2024 Saturdav	18-06-2024 Tuesday	19-06-2024 Wednesday
Monday	Monday	Monday		Tuesday	Wednesday	I nursday	r i luay	Cian	Sian	Sion
Roll No. Name of the Student Sign.	Name of the Student Sign.	Sign.		Sign,	Sign.	Sign.	Sign,	Sign.	John en	Chillen Chillen
22241A0132 Sankoju Akshay Kumar	Sankoju Akshay Kumar	deriver C	9	Slewer	Cluber		Lanno	CAMO	- And	1.4
22241A0133 Shanigarapu Aravind	Shanigarapu Aravind	for my	T	m	mt	120	- And	A DA	mit	XX
22241A0134 Siddapuram Kalguti Sai Teja Sou S	Siddapuram Kalguti Sai Teja 🛛 🕹 🕹	X)	X	So	Xor	200	200	B	1. 4:1	(wf->
22241A0140 Vadde Anil Kumar $V \cdot Amil V \cdot J$	Vadde Anil Kumar V. Anil V.	V-And V.	->	- Jvil	V-Anil	Intt- N	×+.>	N-+12	1.0.0	Marca
23245A0101 Beechireddy G Pavan Kumar Wuwer M	Beechireddy G Pavan Kumar Muueun M	Purer M	Z	man	1)aue	parce	pure	in the		ALXC.
23245A0102 Bonagiri Shiva Prasad	Bonagiri Shiva Prasad	Same S	No.	-	Sure	SWA		Chur C	No.2	in the second
23245A0103 Chetlapally Supraja	Chetlapally Supraja	Supris ou	ð	Pull	ten o	Juppe	inge	- huno	-tubio	A. M.
23245A0104 Dandu Sheryel Anshika Andrika An	Dandu Sheryel Anshika 710	Andre An	¥.	am	Ambrid		-mang		1.05	- 51
23245A0105 Erigela Niharsha	Erigela Niharsha Juil Jui	Juin Jui	E	3	Hube	June	Jun-	Jun	- Cl	J.c.
23245A0107 Gajula Kiran	Gajula Kiran	div di	3	2	e c	ACC -		and a	N.	10
23245A0108 Gurram Eshwar	Gurram Eshwar		P		1 al	4	hot.	101	De.	0.1
23245A0109 Jangili Ravi Kumar	Jangili Ravi Kumar	J. Kan of	Ö	Kan	g. Ben	C C	Jean	C-Kan	D. Kun	there a
23245A0110 Jukuru Prasanna Prasana	Jukuru Prasanna Prasana No	Presare No	Ma	Nan	pracou	Presade	Musica	And	have	
23245A0111 Jupaka Aranya	Jupaka Aranya Arawye A	Arange A	Ŧ	ant	threat	theat	-Jone W.	a series	9	1 tont
23245A0112 Koradala Venkat	Koradala Venkat	9	9		E	de la	de la		n n	9
23245A0113 Mohammed Ashreen Saniya	Mohammed Ashreen Saniya		0	5	1	Sin				1.70
23245A0114 N Apurva	N Apurva	O the	Ø	3	and	MO	Or w	and	when a	in the
23245A0115 Pinapaka Vyshnavi Wy	Pinapaka Vyshnavi	my inthe	SA C	her	when	0	Mm	hundr	and a	bin
23245A0116 Pittala Pranay Kumar Yiony Po	Pittala Pranay Kumar	Frank Pro	2	S.	Laver!	hered	Ę	Cont of	F	A
23245A0117 Rangineni Meghana Que Que	Rangineni Meghana		đ	4			C HAR	a		C
23245A0118 Sai Ganesh	Sai Ganesh Car Car	en les	30	3	mo	n n	2.00	8	X	E
23245A0119 Sangi Sankay Kumar	Sangi Sankay Kumar	A.	XO.	d	20	ON I	Contraction of	C Condhan	Ci valeber	Ci vad
23245A0120 Sri Vardhan Pasunuri Siy voudhon Sn	Sri Vardhan Pasunuri	Srither Sr V	5	conoro	0.0.0	Y	A L	Dudio	rent	And
23245A0121 Sriramoju Anudeep	Sriramoju Anudeep	with throw (1	NFT T	the second	Immet o	C 1000 U	in the second	Louis L	- Avero	Juni
23245A0122 Tampa Chandana Chedu Chedu Ch	Tampa Chandana Cheuder Che	Cheller Ch	3<		- Martin	An.		A see	And	Aur
23245A0123 Uddandam Anu Sree	Uddandam Anu Sree	The second	ŧ	1	12 X		Ar X	A CAR		ma
23245A0124 Varala Santhosh Kumar	Varala Santhosh Kumar		34		204	F	De	e		e
73745A0125 Vollem Manjusha	Vollem Manjusha	- C	£		0			à	8	5
)						1		EAD
						f			E TO	10 Leeu
						wind	(3 UC	SSUTABO	eluite Voc.
							DA CO	PHO Y	ni ol araiding	101011
						5	D/r	Deperal	u ha and wuka	000
						-		Engin	chupally - 500	
								0	- alera	

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value-Added Course on Safety Aspects in Construction ATTENDANCE SHEETS

			20-06-2024	21-06-2024	22-06-2024	24-06-2024	25-06-2024	26-06-2024	27-06-2024
			Thursday	Friday	Saturday	Monday	Tuesday	Wednesday	Thursday
S. No	Roll No.	Name of the Student	Sign.	Sign.,	Sign.	Sign.	Sign.	Sign.,	Sign.
-	22241A0101	Andela Nandu Yadav	Naudr	March	Naud	Neud	rand	Nerth	Nard
2	22241A0102	Banoth Manasa	Manar	Marer	Merior	Manar	Manan	Mares	newse
3	22241A0103	Bhukya Naveen	AP	4	B	Ð	d	Ð	A
4	22241A0104	Boddu Manoj	Marie	Marré	Mere	Mere	Neve	Marei	Marin
5	22241A0105	Boina Rama Krishna	dem	Ken	dene	Serie	Leme	dene	dare
9	22241A0107	Chintamalla Varun Kumar	Ø	A	B	g	A	d	the second
7	22241A0109	Gajjelli Vinay Kumar	Viney	Viney	Vinay	Frain	Vivey	Ling	Ning
80	22241A0110	Gangapuram Yuvraj	Ywi	, Ind	front	Say	Juny	Surt	5
თ	22241A0111	Ganjayee Madhavi	a maller	Lé. Medhen	G. Madhan	anedheri	G. meeler	(i, Medber	G. reddon
10	22241A0113	Harijana Murali	Much	Mul		Mureh	Nuel	Muel	Nuels
11	22241A0114	Jadi Akshara	20	di	-No	2r	Sur	-e	- Ar
12	22241A0116	Kanagala Sandeep		Sandup	Sandup	Sanderg	Sandrep	Sanduep	Sarang
13	22241A0119	Kottam Shiva Priya		đ			1 A		
14	22241A0120	Kunchala Adhiseshu	-mpu-		m24	mart o	0	AND O	d)cm
15	22241A0121	Kunchala Venkata Sai	CX ST	Ker	- Ar	R all	1 Sol		1 10 11
16	22241A0122	Mandha Madhavi	Madhen	Meduri	Helling	Vicelberi	-Internet	manue	here.
17	22241A0124	Mekala Keerthana	Keelhon	Kouhur	geethor U.J	Xenue	No.	Vil	Val
18	22241A0126	Nallametla Yashwanth	Yal	Yaur	- An	- AL	211-	lan	- A
19	22241A0127	Narisetty Nithin Jyothir Kumar	Z	2	C. Ve	A A	27.22	J. S. S.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
20	22241A0128	Nenavath Shiva		- M	- MO	Q	T	No.	a de
21	22241A0129	Polagani Mohit		d x	0.1	- And	A.	0.1	Jer J
22	22241A0131	Redapangu Swapna	×1×	and -	w		- 20 ×	Ant	

			20-06-2024	21-06-2024	22-06-2024	24-06-2024	25-06-2024	26-06-2024	27-06-2024
			Thursday	Friday	Saturday	Monday	Tuesday	Wednesday	Thursday
S. No	Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign,	Sign.	Sign.	Sign.
23	22241A0132	Sankoju Akshay Kumar	devla		dethy	atty	dethy	otherty	der
24	22241A0133	Shanigarapu Aravind	- And	M	- And	-A-	mit	mt	And
25	22241A0134	Siddapuram Kalguti Sai Teja	Ň		N)	Sou	200		200
26	22241A0140	Vadde Anil Kumar	V.A.	V.A.		V. Aul	V. Avil	1:4-7	くして
27	23245A0101	Beechireddy G Pavan Kumar	Paran	new	Percen	Newan	porter	Jour	Dewen
28	23245A0102	Bonagiri Shiva Prasad	-	Shire	Shire	2 mm		Air	Sur
29	23245A0103	Chetlapally Supraja		Suppe	Supres	Save	Sumit		Runner
30	23245A0104	Dandu Sheryel Anshika	Anihile	Andre	Amilter	Antice	Andre	Amilie	Anne
31	23245A0105	Erigela Niharsha	Juta	hat	Nha	Juil	Julie	litre	Juli
32	23245A0107	Gajula Kiran	Ant	dim	div	rout	(Int	pier	Live
33	23245A0108	Gurram Eshwar	The		- Pap	Y	J.P.	- AG	- HOI
34	23245A0109	Jangili Ravi Kumar	J. Ravi	7. Rui	7. Rewi	J. Rew	Rew	7. Row	2 Pari
35	23245A0110	Jukuru Prasanna	Pranau	Rever		Presen	Present	marca	Dan
36	23245A0111	Jupaka Aranya	Arent-	Brank	treff	Azur	Barr	Thank	Brown
37	23245A0112	Koradala Venkat	3	2	d	9		B	ta
38	23245A0113	Mohammed Ashreen Saniya	A.A.	25	Sr.	A.V.	2×		· K
39	23245A0114	N Apurva	dry	20	an	in	- ng	V-Y	
40	23245A0115	Pinapaka Vyshnavi	when	Withur	Vyme.	uphuri	within	Marine	Vertur-
41	23245A0116	Pittala Pranay Kumar	Dave	Consol		Provy	pring	Brun	Oren
42	23245A0117	Rangineni Meghana	, OP		P			R	LA LA
43	23245A0118	Sai Ganesh	GN	S	(Jac)	low	On	Jone	
44	23245A0119	Sangi Sankay Kumar	Ch I	200	2	R	DR		
45	23245A0120	Sri Vardhan Pasunuri	Se varethe	Sir valle	Sirvede	Simule :	Sevracher.	Servadde	R. Landle
46	23245A0121	Sriramoju Anudeep	-/ Muderp		Anelen	Ander	Auller	Anelen	Annua
47	23245A0122	Tampa Chandana	Chault-	chard	chould be	Cheerly	De se vic	100	a for the
48	23245A0123	Uddandam Anu Sree		-And	An	-Aw	And		uner.
49	23245A0124	Varala Santhosh Kumar	M	AN CONTRACT	Sur	me	- Ante	L'MAX	
50	23245A0125	Vollem Manjusha	N	d		R	T	2 er	AND
							A		

PROFESSOR AND HEAD PROFESSOR AND HEAD PROFESSOR Institute of Coparatum Rangand Tochnology Govaralu ing and Tochnology Engineering and Tochnology Engineering and Tochnology

coordination dut 3 Aut



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction

INTERNAL ASSESSMENT QUESTION PAPER

PART -A

Time: 40 Minutes

Max Marks: 20

	Answer any FOOR questions.	A set of an end of the set of the set
Q.No	Questions	Marks
1	(a) Define the term Fatal Accident	2.5
	(b) Why accident is more frequent in construction in construction industry?	2.5
2	(a) Estimate the need of Education and Training in accident management.	2.5
2	(b) Illustrate the contents to available in accident report.	2.5
	(a) How will you measure the record accidents?	2.5
3	(b) List the types of accident in construction sector.	2.5
	(a) Explain the problems impeding safety in construction industry.	2.5
4	(b) Write a short note on Quality assurance in construction.	2.5
	(a) What is safety net?	2.5
5	(b) Briefly explain the measures to assess fire safety.	2.5

Answer any FOUR questions.

GR23V8023

GR 22



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction INTERNAL ASSESSMENT QUESTION PAPER

PART -B

Time: 20 Minutes

Max Marks: 20*0.5 = 10M

Answer all Objective Questions. All questions carry equal marks

Q.No	Questions	Ор	tion
1	Why should you follow health and safety rules on a construction site?	[1
	a) To prevent occurrence of accidents c) It is enforced by the employer	Ū.	
	b) Everyone is following at the site d) To experiment safety rules		
2	A warning sign is depicted by?	[]
	a) Black pictogram – White Background – Circular shape		
1.1	b) White pictogram – Blue Background – Circular shape		
	d) White pietogram – Yellow Background – Triangular shape		
3	An injury due to which a person is permanently incorrected and there is no change of		
5	his returning back to work can be grouped under?	l	I
	a) First aid case b) Major Injury c) Fatality d) Minor Injury		
4	Personal Protective Equipment is required when/to	I	1
	a) Employers force the worker to use b) An employee asks for it		1
	b) Reduce the impact of any accident that occurs in the site		
	c) Control the Engineering, and administrative work practices		·
5	Please tick the odd one out in case of safety while working at heights?	1	1
	a) Fall hazard elimination c) Fall Arrest system	`	,
	b) Passive fall protection system d) Fall Restraint system		
6	According to OSHA, the hole covers in roadways must support	[1
	a) Anything that a person/vehicle could pass over		
	b) 2 * maximum axle load of largest vehicle that pass over cover		
	c) 3 * maximum axle load of largest vehicle that pass over cover		
	d) maximum axle load of largest vehicle that pass over the cover	1	
7	What should be the minimum scaffold platform width according to OSHA If the	1	1
	scaffold platform is placed at a height of more than 2m high?		
	a) 300 mm b) 500 mm c) 800 mm d) 900 mm		
8	The proper angle for setting up a portable extension ladder as per the IS 3696 is	1	1
	where H is Horizontal and V is Vertical:		
	a) 1H:2V b)1H:3V c)1II:4V d)1H:6V		
9	When the load or hook is getting close to or over a worker:	1	· 1
	a) The qualified person must leap into action		,
	b) The crane operator must apply brakes with a jerk		
	c) A warning signal must be sounded d) None of the above		
10	Before a rigger can select the length and capacity of slings needed to lift a load, what	1	1
	two things he must know about the load?	1	,

CD1	3//8023	FR 22		
- GR2.	110 ing the load grape specifications			
	a) The person responsible for lifting the load, chance spectroadeness			
	b) Colour, designated pick points	1		
	c) Weight, manufacturer d) Weight, centre of gravity	1]
11	Tick the correct option in case of multiple int figging.			
	a) The members need not be similar			
	b) maximum of five objects can be figged at any instance			
	c) Rigging need not be always at center of gravity			1
	d) spacing between the rigged objects indefer to the adjacent structures during piling			1
12	Which of the following is not a surely induce of			
	c) Noise of piling operation			
	a) Dust pollution b) Vibrations on structures d) Sheet piling of structures		1	1
12	0) violations on structure			1
13	people from electric shocks?			
	a) Transformer c) Electric fuse			
	b) Ground-fault circuit interrupter d) Circuit breaker		1	1
14	The elements necessary for a fire or explosion hazard to exist are		L	,
14	a) Fuel, Ignition, Oxygen c) Correct ratio of oxygen and catalyst			
	Vapours, Ignition, nitrogen d) Earth, Wind and Fire		[1
15	What does acronym P.A.S.S. stand for?		l	1
10	a) Please allow slow storms c) Press, aim, squeeze, sweep			
	b) Press, armor, sit, stand d) Personal alarm safety system		1	1
16	Where should acetylene fuel cylinders be stored and in what position?		L	1
10	a) Close to the welding area, horizontal			
	b) In a secure compound, vertical			
	c) Alongside other gas cylinders, vertical			
	In the basement, horizontal		1	1
17	What are the benefits of ergonomics at site?		ι	1
17	a) Ergonomics increases costs			
	b) Ergonomics improves product quality			
	c) Ergonomics provides leisure time			
	d) Ergonomics decreases employee engagement			
18	Repetitive motion injuries are caused by exposure to a combination of	of	l	J
	factors			
	a) Short term b) Intermittent c) Prolonged d) Immediate			
10	Which of these workers are most likely to experience silica exposure?		1]
19	a) Painter b) Electrician c) Carpenter d) Concrete worker	[1, 1, 1]		
20	What is the main objective of hazard assessment?		l]
20	a) To minimize the hazards and input control measures			
	b) Enable to create a learning environment			
	a) Hererd management d) Allow to create safety rules and routines			
	c) nazaru management u)/mon to orotate sately tare and the			

CODE: GR23V8023





Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction

EXTERNAL ASSESSMENT QUESTION PAPER

PART -A

Time: 40 Minutes

Max Marks: 40

Q.No	Questions	Marks
1	(a) Estimate the types and causes of accidents in construction	5
	(b) Write a short note on Benefits of accident investigation	5
2	(a) Examine the accident-causing factors.	5
	(b) Explain about fall protection system as per OSHA standard.	5
3	(a) Why do we investigate accidents and explain the safety measures to be carried out?	5
	(b) What are the aspects with respect to safety in organizational set up of construction industry?	5
	(a) Outline the different Acts and Regulation in safety of working.	5
4	(b) What are the safety precautions to be considered while making scaffolding?	5
5	(a) What are the safety precautions in work in confined spaces?	5
	(b) Identify the hazards associated with confined spaces.	5

Answer any FOUR questions.





Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction

EXTERNAL ASSESSMENT QUESTION PAPER

	PART – B			
Time	: 60min Max Marks: 60*0.	.5 =	30	M
	UNIT-1			
1	Why should you follow health and safety rules on a construction site?	[b]
-	a) It is enforced by the employer			
	b) To prevent occurrence of accidents at site			
	c) Everyone is following at the site			
	d) To experiment safety rules in the site	1	h	
2	Who should report unsafe working practices at work?	l	D	1
	a) Your supervisor only			
	b) Anyone who notices it			
	c) Your health and safety rep only			
	d) The workers only	1	я	
3	A warning sign is depicted by?	ι	a	1
	a) Black pictogram – Yellow Background – Triangular shape			
	b) Black pictogram – White Background – Circular shape			
	c) White pictogram – Blue Background – Circular shape			
	d) White pictogram – Red Background – Rectangular shape	١	с	1
4	What do you understand from this sign?	•		
	a) You can speak only through headphones			
	b) Person with hearing disability only			1
	c) Ear protection must be worn			
-	d) Juke box area	[c]
5	The function of Prevention through Design (10) is			
	a) Address hazards at all stages of lifecycle			
	b) Address hazards, eliminate risks and mitigate them with preventions at			
	c) Address hazards, children the trans of g			
	d) None of the above			
-	Tick the accident compensation that cannot be claimed. Accident that occurs:	1	d]
0	a) In extreme weather conditions at a site			
	b) When you returned to work soon after holidays			
	c) When strenuous work is undertaken to complete the planned project's target			
	d) During holidays		-	
7	What is the best way of dealing with a hazard to ensure others are not put to risk?		:	a j
1	a) Eliminate the hazard immediately, if possible			
	b) Leave it for others to sort out			
	c) Try to ignore the hazard			
	d) Cover the hazard so that others don't identify it	-		
0	OSH Act has 3 agencies to perform different functions. Tick the one which is not		l	b]
ð	performed by NIOSH?			
	a) Recommend new Safety and Health standards to OSHA			
	b) Promulgate new safety regulations			

Page 2 of 8

CODE: GR23V8023

GR 22

SET - 1

		1						
	c) Conduct Occupational Safety and Health training to the personnel							
	d) Conduct hazard analysis when requested			1				
9	Consider the following statements:		č	,				
	1. Hazard means the inherent ability of something to cause harm.							
	2. When you remove a hazard, it costs you a higher amount of money than must pay							
	for the harm it might cause.							
	Choose the correct option.							
	a) Statement-1 is correct and Statement-2 is wrong							
	b) Statement-1 is wrong and Statement-2 is correct							
	c) Both the statements are correct							
	d) Both the statements are wrong	-	L	1				
10	As per Heinrich theory, 88% of the accidents were attributable to:		D	1				
	a) Unsafe physical condition							
	b) Unsafe act							
	c) Hazards							
	d) Natural calamities	-		1				
11	Which stakeholder can easily eliminate the hazards in a construction site?		D	J				
	a) Owners/clients							
	b) Architect/designer							
	c) Contractor/sub-contractor							
	d) Workers	-		1				
12	The heavy fines in terms of penalty imposed by OSHA are primarily for those who?	1	d	1				
	a) Has performed unsafely for the first time							
	b) Has performed unsafely repeatedly							
	c) Has performed unsafely knowingly							
	d) Has failed to correct a cited violation							
	UNIT-II							
1	Personal Protective Equipment is required when/to	1	с	1				
1	a) Employers force the worker to use							
	b) An employee asks for it							
	c) Reduce the impact of any accident that occurs in the site							
	d) Control the Engineering, and administrative work practices							
2	What type of protection is needed when you are exposed to hazards from flying	1	d	1				
2	narticles?							
	a) Eve protection							
	b) Face protection							
	c) Head and face protection							
	d) Head and eve protection							
3	The following is a list of foot and leg protection types matched with hazards they	1	с	1				
5	protect against Which pairing is incorrect?	1.						
	a) Leggings – heat hazards							
	b) Metatarsal guards – impact and compression							
	c) Foundry shoes - open circuits							
	d) Electrically conductive shoes – static electricity build up							
4	What type of face or eve protection is required for workers while handling cement?	I		1				
-	a) Dust-nroof goggles	1						
	b) Cun-type goggles							
	c) Eace shields							
	d) Safety hood							

GR 22

SET - 1

					_			
2	How often the operators must inspect the crane they intend to operate?							
	a) Daily before each shift							
	b) Weekly only							
	c) Monthly if the machine needs it							
	d) None of the above				-			
3	When is a lock-out tag-out is required in crane?	l	d	1				
	a) During routine machine maintenance and inspection							
	b) During non-routine machine maintenance and inspection							
	c) Lock-out tag-outs are not required in crane							
	d) Both I and 2				_			
4	When must these types of signs be placed in areas of operation by cranes?	l	a	1				
	a) When the suspended load in the crane starts swinging							
	b) During all crane operations							
	c) When it is not feasible to erect barriers near the swing radius SWING							
	d) Heavy wind	ſ	4	- <u>-</u>	-			
5	Before a rigger can select the length and capacity of slings needed to lift a load,	l	a	J				
	what two things he must know about the load?	14						
	a) The person responsible for lifting the load, crane specifications							
	b) Colour, designated pick points							
	c) Weight, manufacturer							
	d) Weight, centre of gravity	r	d	1	-			
6	As per OSHA guidelines, a crane must be inspected at least every months	1	u	1				
	from the date of previous inspection.							
	a) 6							
	b) 8							
	c) 10							
	d) 12	T	a	1	3			
17	who among the following are not an important part during crane operation:	'	-	,	1			
	a) Crane Erector							
	b) Litt Director							
	d) Signaller			·				
-	U) Signation			b	ī			
0	a) The members need not be similar	1			'			
	b) A maximum of five objects can be rigged at any instance of time							
	c) Rigging need not be always at center of gravity							
	d) The spacing between the rigged objects must be minimum four feet							
0	Which of the following actions is not allowed if the operator leaves the crane		[b	1			
9	controls while a load is suspended?		•					
	a) load is required to be suspended for a longer time than normal lifting							
	b) The operator assists in maneuvering another suspended load							
	c) The competent person ensures it is safe to keep the load suspended							
	d) Barricades or caution lines and warning notices are erected							
10	Consider the below statements		1	b				
	A Grane can be loaded beyond the safe working load in case of emergency.		•					
	P. Pofore commencing lifting operations, the hook shall be lowered to the required							
	B. Detote confinencing friding operations, the need change of the required							
	lowest point.							
	Choose the correct option.							
	a) Only Statement B is correct							
	b) Univ Statements are correct							
1	c) Boin the statements are contest							

CODE: GR23V8023

GR 22

SET - 1

飅

				1	٦			
5	According to OSHA, hearing protection is required when you are exposed to a noise	1	С	1				
	level of or higher for an 8 – hour period.							
	a) 65 dB							
	b) 75 dB							
	c) 85 dB							
	d) 95 dB	<u> </u>			_			
6	Consider the effects of accident in the site. Which of the above is not quantifiable?	1	C	J				
0	a) Cost of recruiting new workers							
	b) Cost of accident investigation time			,				
	c) Poor reputation of the firm							
	d) Cost of training and orientation	-			_			
7	Which of the following is a major headache for the workers while using PPEs?	[d	J				
'	a) Requires proper supervision							
	b) Protection dependent upon users							
	a) Continuous expense							
	d) Movinterfere with productivity	-			_			
0	d) May interfere with protection is needed for workers when working with	1	b					
8	what kind of hand and and protocolor of the							
	electricity?							
	a) Metallic hard hat and insulated gloves							
	b) Non-metallic hard hat and non-insulated gloves							
	c) Non-instance hard non-insulated gloves							
0	d) Wetanie hard har and hor here in the second of the seco	[a					
9	which of the following is a possible right to the following is a possible ris a possible right to the following is a possi							
	a) Low cost of safety. Low injury cost							
	b) High cost of safety High injury cost							
	d) Low cost of safety. High injury cost				_			
10	Disconsister of safety recautions while working at heights?	[(2				
10	Please lick lice out one out in case of starty i							
	a) Fassive fail protection system							
	b) Fall hazard elimination							
	d) Fall Restraint system				_			
	d) Fail Restraint system] [d]			
п	According to OSTIA, the hole control largest vehicle that pass over the cover							
	a) The maximum take roug of magnetic could pass over							
	b) Alighting that a person vehicle that pass over the cover							
	c) 3 times the maximum axle load of largest vehicle that pass over the cover			_				
	d) 2 times the maximum and road or may is a technique used to prevent cave-ins by employing a specific angle on		[c				
12	Is a technique used to protone can a set of the exception							
	The sides of the excavation.							
	a) Trench boxing							
	b) Sloping							
	c) Shoring				•			
	d) Underpinning							
	UNIT-III		-		_			
1	When the load or hook is getting close to or over a worker:		l	С				
L 1	a) The qualified person must leap into action	- T						
	b) The crane operator must apply brakes with a jerk							
	c) A warning signal must be sounded							
	d) None of the above				_			
1	-/							

Page 4 of 8

GR 22

SET - 1

8	According to OSHA, which of the following is considered appropriate with respect [
	to transporting and storage of cylinders?										
	a) Cylinders should be lifted using valve protection caps										
	b) Cylinders should be secured in a cradle, not using chokers										
	c) Cylinders should be kept horizontal at all times unless being hoisted										
	d) All the above										
9	Welding process cannot produce which of the following hazards?	1	d	1							
	a) Flying Sparks	•		·							
	b) Toxic Fumes										
	c) Electric Shock										
	d) Wet floor										
10	What is the most reliable safety measure against impalement among the following?	I	a	1							
	a) Bent reinforcement	L		1							
	b) Frection of Stout shields										
	c) Anti-impalement caps										
	d) Elagging with bright paint										
11	What can you do to be safe from harmful fumes released during welding?	[с	1							
11	a) Do not use exhaust fans	L	•	,							
	b) Perform welding in a confined space										
	c) Use respirators when ventilation is not enough										
	d) None of the above										
12	Which of the following is an example of RPE?	I	b	1							
12	a) Welding goggles or visors	`	~	'							
	a) weiding goggles of visors										
	b) A disposable dust-mask										
	d) Overalla										
	UNIT-V										
	What are the benefits of ergonomics at site?	1	b	1							
	a) Ergonomics increases costs	1		'							
	a) Ergonomics increases costs										
	c) Ergonomics provides leisure time										
	d) Ergonomics decreases employee engagement										
2	Which of these classes of workers are most likely to be exposed to the asbestos	1	с	1							
2	which of these classes of workers are most mery to be expected to the are the										
	dust:										
	a) Direct masons b) Dainters										
	b) Flanteis										
	d) Corporters										
	a) Carpeners		[d	1							
3	From an ergonomic point of view, the enoice of tool should dependent										
	a) On the worker characteristics										
	D) On the worker enalacteristics										
	c) On the price										
	d) Both I and Z	f	1	0							
4	Repetitive motion injuries are caused byexposure to a combination of	*	ι	C I							
	factors.										
	a) Short term										
	b) Intermittent										
	c) Prolonged										
	d) Immediate										

CODE: GR23V8023

a laste

GR 22

SET - 1

- WORK		-	1000	1000
	d) None of the statements are correct			
1	1 If the sling is worn out at various location, should it be used for lifting loads?		1	C
	a) Yes, it's fine			
	b) Maybe, if the load isn't too heavy			
	c) No, use a different one			
-	d) Use it once and then discard it	tier in team	-	
1	2 For high voltage power lines exceeding 750 kV, the minimum clearance distance of		1	U .
	mobile cranes must be			
	a) 20 feet			
	b) 25 leet			1
	c) 30 leet			
	UNIT-IV	abe an		
-	Which a fails of the only protective during uplose sole purpose is to protect	11		,
	which of the following is the only protective device whose sole purpose is to protect	1		÷
	a) Transformer			
	b) Electric fuse			
	c) Ground-fault circuit interrupter			
	d) Circuit breaker			
2	The severity of iniury due to electric shock depends on?	1	d	
-	a) The resistance of skin surface			
	b) The magnitude of voltage			
	c) Independent of current magnitude			
	d) The duration of the current flow			
3	The elements necessary for a fire or explosion hazard to exist are	1	b	1
	a) Earth, Wind and Fire			
	b) Fuel, Source of ignition, Oxygen			
	c) Correct ratio of oxygen and catalyst			
	d) Vapors, Source of ignition, nitrogen		in the second	-
4	A water fire extinguisher should only be used on?	1	b	J
	a) Liquid fuel fires			
	b) Solid fuel fires			
	d) Fires involving gas			
5	What dogs agronum P.A.S.S. stand for?	-	and the second second	-
2	a) Blagge allow slow storms	I.	С	1
	a) Prease arrow storms			
	b) Press, armor, sit, stand			
	c) Press, aim, squeeze, sweep			
_	d) Personal alarm safety system			
6	If you found your welding tool to be faulty or dangerous, what should you do?	1	e	J
	a) Put it back in the store			
	b) Only use it one more time, then get it fixed			
	c) Take it out of service, report it and if required, tag it			'
-	a) Do nothing	100 000	DATABLE	Sector and
	where should acetylene fuel cylinders be stored and in what position?	1	b	1
	a) Close to the welding area, horizontal			
	b) In a secure compound, vertical			
	c) Alongside other gas cylinders, vertical			
	a) in the basement, horizontal			

Page 6 of 8

CODE: GR23V8023

GR 22

SET - 1

				the second se
5	The methods by which chemicals can enter into a human being are:	1	d	J
	a) Ingestion, injection, adsorption, sneezing			
	b) Absorption, induction, injection, convection			
	c) Inhalation, convection, sneezing, scratching			
	d) Ingestion, Inhalation, Absorption, Injection			
6	The term 'frequent lifting' means lifting load more than times per minute.	[b	J
	a) One			
	b) Two			
	c) Four			
	d) Five			
7	What are employees required to do regarding health issues?	[a	J
	a) Report any symptoms early			
	b) Wait until you have to see a doctor to report it			
	c) Ignore it			
	d) None of the above			
8	According to OSHA, if you wanted to convey the most severe type of hazard, which	[b]
Ū	word would you use?			
	a) Warning			
	b) Notice			
	c) Danger			
	d) Caution			
9	What is a hazard?	[b	1
	a) A purposeful assessment of the environment			
	b) Something that can cause harm or injury to a person			
	c) Something that requires control measures			
	d) None of the above			-
10	With respect to the hazard analysis, consider the following statements.	[d]
	A. Project hazard analysis should be performed after the start of the work.			
	B. Phase hazard analysis determines whether the project hazard analysis should be			
	undertaken or not.			
	Choose the correct option.			
	a) Both the statements are correct			
	b) Statement A is correct and Statement B is wrong			
	c) Statement A is wrong and Statement B is correct			
	d) Both the statements are wrong			
11	Which of the following is a potential hazard when working with lifting equipment?	[2	1
	a) The load falling off the hook			
	b) Physical overloading of the employee			
	c) The employee suffering hearing loss			
	d) Workers falling in a trench			
12	Suppose a project has many hazards that could easily injure one or more persons and			b]
	there is no method of avoiding the potential for damages. The project manager			
	should consider as a means of deflecting the risk.			
	a) Establishing a contingency fund			
	b) Buying insurance for personal bodily injury			
	c) Establishing a management reserve			
	d) Not acknowledging the potential for injury			'



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Safety Aspects in Construction Overall Assessment Score

S. No	Roll No.	Name of the Student	INTERNAL (30M)	EXTERNAL (70M)	Total (100M)
1	22241A0101	Andela Nandu Yaday	21	55	76
2	22241A0102	Banoth Manasa	17	65	82
3	22241A0103	Bhukya Naveen	16	53	69
4	22241A0104	Boddu Manoj	19	62	81
5	22241A0105	Boina Rama Krishna	23	60	83
6	22241A0107	Chintamalla Varun Kumar	29	64	93
7	22241A0109	Gajjelli Vinay Kumar	19	50	69
8	22241A0110	Gangapuram Yuvraj	17	46	63
9	22241A0111	Ganjayee Madhavi	25	60	85
10	22241A0113	Harijana Murali	23	55	78
11	22241A0114	Jadi Akshara	15	53	68
12	22241A0116	Kanagala Sandeep	16	50	66
13	22241A0119	Kottam Shiva Priya	26	65	91
14	22241A0120	Kunchala Adhiseshu	19	52	71
15	22241A0121	Kunchala Venkata Sai	25	60	85
16	22241A0122	Mandha Madhavi	21	56	77
17	22241A0124	Mekala Keerthana	17	65	82
18	22241A0126	Nallametla Yashwanth	16	53	69
19	22241A0127	Narisetty Nithin Jyothir Kumar	19	62	81
20	22241A0128	Nenavath Shiva	23	60	83
21	22241A0129	Polagani Mohit	29	64	93
22	22241A0131	Redapangu Swapna	29	64	93
23	22241A0132	Sankoju Akshay Kumar	28	65	93
24	22241A0133	Shanigarapu Aravind	28	65	93
25	22241A0134	Siddapuram Kalguti Sai Teja	19	52	71
26	22241A0140	Vadde Anil Kumar	22	59	81
27	23245A0101	Beechireddy G Pavan Kumar Reddy	21	61	82
28	23245A0102	Bonagiri Shiva Prasad	21	60	81
29	23245A0103	Chetlapally Supraja	29	64	93
30	23245A0104	Dandu Sheryel Anshika	17	54	71
31	23245A0105	Erigela Niharsha	29	65	94
32	23245A0107	Gajula Kiran	21	55	76
33	23245A0108	Gurram Eshwar	16	48	64

				10	01
34	23245A0109	Jangili Ravi Kumar	26	65	91
35	23245A0110	Jukuru Prasanna	29	64	93
36	23245A0111	Jupaka Aranya	26	65	91
37	23245A0112	Koradala Venkat	26	65	91
20	23245A0113	Mohammed Ashreen Saniya	25	60	85
30	232457(0113	N Apurva	25	53	78
39	2324540114	Dinanaka Vyshnavi	2.7	64	91
40	23245A0115	Pinapaka Vysinavi	21	60	81
41	23245A0116	Pittala Pranay Kumar	20	65	95
42	23245A0117	Rangineni Meghana		64	91
43	23245A0118	Sai Ganesh	27	04	62
44	23245A0119	Sangi Sankay Kumar	15	47	02
45	23245A0120	Sri Vardhan Pasunuri	28	65	93
40	23245 A 0121	Sriramoju Anudeen	25	52	77
40	2324570121	Tamas Chandana	15	56	71
47	23245A0122		16	55	71
48	23245A0123	Uddandam Anu Sree	20	63	92
49	23245A0124	Varala Santhosh Kumar	29	65	94
50	23245A0125	Vollem Manjusha	29	03	74





Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during $10^{
m th}$ Technology has attended Value Added Course on Safety Aspects in Construction organized by This is to certify that Banoth Manasa, Bearing Roll Number 22241A0102 Pursuing II B. Tech II COKARAJU RANGARAJU Institute of Engineering and Technology Dr. J. Praveen Principal, GRIET J. Barren Certificate of Participation Safety Aspects in Construction 10th June to 27th June 2024 Department of Civil Engineering VALUE ADDED COURSE Dr. G V V Satyanarayana Organized by Fitz W Convenor & HoD, CE on Mr. Akula Prakash Course Coordinator, CE June to 27th June 2024. איז נוני



Engineering, Gokaraju Rangaraju Institute of Engineering and Technology during 10th June to 27th June This is to certify that **Boddu Manoj**, Bearing Roll Number 22241A0104 Pursuing II B. Tech II Semester in Department of Civil Engineering, Gokaraju Rangaraju Institute of Engineering and Technology has attended Value Added Course on Safety Aspects in Construction organized by Department of Civil COKARAJU RANGARAJU Dr. J. Praveen Institute of Engineering and Technology J. Baveer Principal, GRIET Certificate of Jarticipation Safety Aspects in Construction 10th June to 27th June 2024 Department of Civil Engineering VALUE ADDED COURSE Dr. G V V Satyanarayana **Organized** by Tit of a Convenor & HoD, CE Mr. Akula Prakash Course Coordinator, CE





DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/1C/G/23-24

26 December 2023

To

The Principal,

GRIET,

Hyderabad.

Subject: Value Added Course on "Introduction to Finite Element Method (FEM) – Applications", Regd.

Sir,

With reference to above subject, we the Department of Civil Engineering introducing Value Added Course on "Introduction to Finite Element Method (FEM) – Applications" by Department of Civil Engineering for IV-year B. Tech Civil Engineering Students. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

271

Dr. G V V Satyanarayana Professor & HOD Civil Engineering Dept (ourse ode CR23) SOIS (ourse ode CR23) (ourse ode CR23) Principal

J. Power



Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering Timetable for Value Added Course AY: 2023-24

Day	01:40 p.m. – 4:10 p.m.	
Tuesday	Regular Classwork	VAC-FEM

Sub. Code	Sub. Short form	Subject	Speaker Name
	VAC-FEM	Introduction to Finite Element	Dr. G V V Satyanarayana,
		Method (FEM) – Applications	Professor & HOD, CE, GRIET

カ HOD-CE

One Credit Course

Course Title : Introduction to Finite Element Method (FEM) - Applications

Total Number of Lecture Hours : 30

Course Content:

Introduction: History and Applications. Spring and Bar Elements, Minimum Potential Energy Principle, Direct Stiffness Method, Nodal Equilibrium equations, Assembly of Global Stiffness Matrix, Element Strain and Stress.

1 D Element:

Beam and Truss Elements: Flexure Element, Element Stiffness Matrix, Element Load Vector.

2 D Elements with 3 Noded:

CST Triangular Elements, Element Stiffness Matrix, Element Load Vector, Axi-Symmetric Elements

2 D Elements with 4 Noded:

Iso-parametric Formulation Rectangular Elements Element Stiffness Matrix, Element Load Vector

Numerical Integration:

Gaussian-Quadrature method with Gaussian one, two and Three points

Targeted Audience:

1. B. Tech (Civil) IV Year Students

Resource Person:

- Great

Dr. G.V.V Satyanarayana, Professor & HOD, CE, GRIET

 Value Added Courton on Introduction to Finite Element Method (FEM) – Applications (2nd January to 23rd April 2024) Organized by Department of Civil Engineering 		And the second s
 A. rons Dr. Jandhyala N. Murthy, Director, GRIET Dr. J. Praveen, Principal, GRIET Principal, GRIET Senior Administrative officer, GRIET 	Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET Coordinators Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET	Resource Persons 1. Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET 2. Mr. Akula Prakash, Assistant Professor, CE, GRIET 3. Ms. K. Hemalatha Assistant Professor, CE, GRIET
Gokaraju Rangaraju Rangaraju Institute of Fingineering and Technology Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad, GRIET is committed to quality education and is known for its innovative teaching practices.	The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The college is NBA accredited in CE, CSE, ECE, EEE, IT, and ME, CSBS, Al&ML, DS are new programs. The institute is accredited by NAAC with 'A++' grade.	Department of Civil Engineering The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in tune with the infrastructure growth. The department has master's program in Structural Engineering, established in the year 2014 with an intake of 18 students which is further increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.

	Registration	There is NO Registration Fee for the Value-	Added Course on "Structural Ilcalth Monitoring	(SHM) - Applications and Case Studies"	Expected Outcome:	This course will help students to learn the busic	concepts of Structural Health Monitoring and extended the learning to projects in the practical implications in civil engineering domine.	Important Dates	VAC Duration : VAC Duration : 2 nd January to 23 rd April 2024 (Every Tuesday 1.40 p.m.to-4.10 p.m.)			
	C Contents	Introduction:	Ilistory and Applications. Spring and Bar Elements,	Minimum Potential Energy Principle, Direct	Stiffness Method, Nodal Equilibrium equations,	Assembly of Global Stillness Matrix, Element Strain and Stress.	1 D Element: Beam and Truss Elements: Flexure Element, Element Stiffness Matrix, Element Load Vector.	2 D Elements with 3 Noded: CST Triangular Elements, Element Stiffness Matrix, Element Load Vector, Axi-Symmetric Elements	2 D Elements with 4 Noded: Iso-parametric Formulation Rectangular Elements Element Stiffness Matrix, Element Load Vector	Numerical Integration: Gaussian-Quadrature method with Gaussian one, two and Three points		
LIST	asino paper Value Added Course	leziradinu u si (MHJ) podbatu transla Gokaraju R	solving problems which are	described by partial differential conntions or can	be formulated as functional minimization. This	method is most suitable for complex problems	where is no uncer solutions are not available. But this method is provides approximate solutions but acceptable.			P (x,y)	C C C C C C C C C C C C C C C C C C C	×

los tol pupins,

u juouiojo or

app

Gokaraju Rangaraju Institute of Engineering & Technology

(Autor

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Introduction to Finite Element Method (FEM) - Applications

LIST OF REGISTERED PARTICIPANTS

S.No		Reg No		Student Name
1	20241A0101 A			Srikar Rao
2	20241A0101 A 20241A0103 E 20241A0104 F			ugudam Rithvik Reddy
3		20241A0104	Bandi	a Naveen
4		20241A0105	B.Pra	nav Sai
5		20241A0106	Bhatt	u Supreeth Chakravarthy
6		20241A0107	Bhup	athraju Himanthavarma
7	1	20241A0108	Boin	Hemanth
8	1	2024140109	Chall	a Ajay Kumar
9		20241A0110	Dona	aboina Sri Hari
10		20241A0111	Eppa	Amay
11		20241A0112	GL	N Raghuraman
12		2024140113	Gan	dla Harshith Kumar
13		20241A0114	Gug	gilla Shashank
(14		2024140115	Gun	da Srikanth
- A15		20241A0116	Jane	rili Sravan Kumar
- 1 5	+	20241A0117	lani	irala Snithi
17		2024120119	Jars	anula Javanth
10		2024140110	KN	Jikhitha
10		2024170117	KI	Condal
19		20241A0121	Ka	mmampati Udavkiran
20		2024170122	Ka	me Snithan
21		20241A0125	K	inchala Varun Kumar
22		2024120124	K	mta Nithin Reddy
23		20241A0125	M	Pavan Kalvan
24		20241A0120	M	ere Mabesh
25		20241A0127	M	ohammed Ahmed
26		20241A0128	M	othukun Laxman
27		20241A0129	M	Iottadi Aditva Teia
28		20241A0130		fula Sushma Sri
29		20241A0131	N	avini Swetha
30		20241A0132	P	Sai Kiran Reddy
31		20241A0134	- P	athlavath Shiva Navak
32		20241A0130	- P	eddiboina Anusha
33		20241A0138	F	Poreddy Abhinav Reddy
34		20241A0138	- İF	Pullamira Santhosh
		20241A0139	- 1	Rechala Bharath
36		20241A0140		Ramavath Roja
37		20241A0142		Rathlavath Sairam Navak
38		20241A0145		Ravi Teja Pasunuthi
39		20241A0144		Saddi Shnank Reddy
40		20241A0140		Sathvika Narta
41		20241A0147		Sokkula Koushikreddy
42		20241A0148		Spiram Pandavula
43		20241A0149		T Dharman
44		20241A0150		
45		20241A0151		I Diluvaicsiiwan
46		20241A0152		
47		20241A0153		
48		20241A0154		
49		20241A0155		I hadem Köhlin
50		20241A0156		I hummala Kajasnekar
51		20241A0157		Uvsgr Nameswara Sai Kaluuk
52		20241A0158		Sreeram Vattern
53		20241A0159		V Vikesh
54		20241A0160		Vennam Srikar
55		21245A0101		Gumadavelli Arunkumar
56		21245A0102		Manikonda Nikitha
57		21245A0103		Pandula Prathvusha
58	5	21245A0105		Pateru Mouna

Cokaraju Rangaraju Institute of Engineering & Technology

(Automonolus)

Value-Added Course on Introduction to Finite Riement Method (FEM) - Applications Bachupathy. Nizampet Road, Kukatpath, Ilyderabad-500009

,

4	1
4	-
1	6
4	6
2	2
4	1,
1	4
4	2
1	1
-	1
4	-
1	1
1	4
1	
	_

				,													
L	-			10000	TOP I VI	FERENALI	2/6/2024	NUCCEUR	2/20/2024	A502024	1202208	19202417	FEDELYEN	1002727	140201	AT ISCOUT	
			PUTE/EII	1.91-201-4	l'acterna a				Thursday	Theshy	Directar	Duceday	Threaday	Threaday	Tuesday	Decedary	
			Threaday	Theoday	Threaday	Thesday	Threaday	DICENTRY	ivensian 1						and a	Sign	
		turbury etc.	Slen.	Sten.	Sign.	Sten	with.	Ngn.	Sign	Sign.	Nga	1 CH	Age .	-	-		
1	ia Rall Na	WHILE OF THE STRUCH	44		1 al	AM	day	16V	4Mz	Ab	270	424	11-X	Ł	4-2-4	たいか	
-	1010111402	Aadhi Sukar Kao	10.90	4A	61.91	2	-U-C-C	0.000	Concol Concol	0000	AL	0000	R.acy	Q.002	Q.0.000	¥	
	EDIOVINOS	Bacchugudam Rithvik Rokh	6003	AP	8.00	5170	1-0715	1 100	5 mA	519	al	1			44	1	
60	1010111202	tandla Naveen	hereit	DIANOH	Kena/4	1 lover	Ab	NAN	Very	HO	New	rlivan	LAND C	The second secon	2	2	
-	2010/11/202	B Pranav Sai	Y	2	J	2	Ab	10 m	the second	2	1 Viller	L'S.C.	2 mars	o Xo	M.a.	13	41.
"	901071602	Rhattu Supweeth Chakravarthy	£	ch here	int	A.	SP-VS	S KIN	· (AH	AN- A-	11 - NK		W.S.C.M	1. Dark	1.7.61	5
0	2010/11/202	ໄວ້ກັບຊາວເກົ່າເລັ່ນ ໄດ້ຫລາດກໍ່ລາລາກາລ	h may li	£	N.Y.C.W.	Physical P	שנשניו	A.	11-212	A.L.	11.1	The A	11-1	1	11m	34	
1-	2010/14/202	Boin Hemanth		44	40	110	ž	11-				14	PT IN	Level	44	1	1
8	MUTONIKOS	Chatta Ajay Kumar	121.13	CHAD	Fil	11/21	VIEI	P-5-4	-Vi-J-	NO IN DI		11.	al +	11.11	¥	100	
°	011071602	(Xurakvina Sri Hari	£	-test	AT A		1 3		- HAL	T	and the second	×11/1 ~ 11	and low K.	44	and have	¥	
12	1110211202	Грры Атач	Annull Ha	Durnu	ŧ	E.A.	Thursday	1 . V	A D. I	E A	1.2	13	T. P. at	Ar	2 Park	Elen)
=	20241A0112	GL N Raghmanan	Recht	£	CCKert	Ctrint	ET.	Lecan	- I and	404		ALCON.	1010	(100g	ŧ	4494	
12	THOMING	Gandla Harshith Kumar	ŧ	10 (m	Hayung	Ê	AND CARL		0.0	Y	2	T	P. P.	1.0.1	4	Sev l	
12	F110V1F202	Guggilla Shashank	いい	Æ	-Shiry	Unit	372	100	t and	A	Corte	and a	1:12	aurely	Ð	Gener	-
=	1 20241A0115	Chunda Stikanth	GUSUD	Ê,	GSYTHA	Carles Parte	CIAND	V	TINY	NVN	2121	E.W.	A	1124	Acu	N.S.	
1=	5 2024170116	Jangdi Sravan Kumar	-WARY	TRIX	A-	TTO C?	210		NAK I		1	C.M.	Curr	N.N.	C.uH	· A	
=	3 20241A0117	Janjirala Sruthi	Smithi	Ŧ	MILLING.	South	mary	211115	The second	AL	N.N.		- Vunt	TAR	12	Japa	-6
-	7 20241A0118	Jarapula Jayanth	Hot of	£	m ron	and a	mor	200		ap	2					+	

)	and the second s								٩						i			B	1-		C					
4/16/202-	Tuesday	2	E	four	£	Ð	T.		1		Pla	- Hit	F	4 Suek	£	7	And	4	And	Palach	000	F	.0.	2.5 2		
4/9/2024	Tuesday	2~	A1	teast	Ť	Kunav	¥	N,	Ju. my	Chin	tonal	to the	J. Marcol	J. Suele-1	İ	C. Shu		51	- Parto	Didath	A	esta	44	A A	1	
4/2/2/2/4	Tuesday	2	Ker	k cd4	to	1. Vorus	I	and a	Jann	trib	AP-	Æ	Burkhung	44	A.C.	0 al.	Provide States	1	AC	F	P010	0	0.0	Max.		
3/26/2024	Tuesday	£	Ker	44	1584	AUTON A	- For	Se al	Part	F	e ol		- Aller	- Swell	t-CO	44	E	() ()	A d. a	Dalach	Para	1 to a		WWX.		
3/19/2024	Tuesday	5	e to	(Udit	£	A	46	Jarde	Subart I	Lant	G		1 mont	1. Sucher	A	100	1	Anular An	1	Darik	Polci	10	5	Nor 1	52	
VI 2/2024	Tuesday	1	2 3	1/ Udy	t	(Noru)	(C) -	Æ	Kurlar	Purp	100 la	L L	Burn	104		+ 100	Aunte -	1) 0 (Diri A	Pals.	1000	K. Mer	E .	1	·
1000ar	valuaticic valuaticic	1 uevony	L L	Ruchy	1 A	y nuch i	t t	£	A. A.	- Me	A	A CAN	44			d'-	1 Amp3/	T. Anulla	0 0 1 4	AAA		8	112	P. Yawi	27.4	
	2/20/2024	Tucaday	1	E E	1	Chur -	Kuner	AN CO	- Ann	K	Cuo		Seren C	1		traz		E		Dat in	P. Sherver	204		P. Kani	Ê	
	2/13/2024	Tuesday	E	- hard	- AN	5	1	TO C	N/2	- week	Circ		ANN .	240	CY II	Tank	9. Aug	P Anda	A A		Kybour	- OCI	A C	Pryon	2.5	
	2/6/2024	Tuesday	Z	4	The second	to	ÊĴ		1				AN WA		N.Swell	‡	P. R.L.R.	- Anul	2010	WOME	K-13100	St.	Result	in Kin	255	
	1/30/2024	Tuenday	3	2	G.H. 71.	A A	Kreak		GY I	www.	The second	E .	A MAN	Surgers	er l	(ferthy	Redie	F. Jnull	A VIC	Ahor R	4	0 0	C.C.o	Å.	552	
	1/23/2024	Tuesday	3	Ko	Kuet	A A	haray	to to		Whent		and and	£	£	N. Sweller		£	£	¥.	£	Killerdt	Pop	Richard	- Kuni	£	
	1/9/2024	Tuesday	£	AR	K WA		ALTON A	A A	a ar	A STA	£	din a		Automs	N.S.wlk	£	9. Slich	H Anu	Ð	CANEL O	P. Buch	900	Rist	1 Number	532	
	1/2/2024	Tuenday	ž	e -	Â	雪	Kinner Kinner	(J)	Charles -	W THAT	T	£		Sub S	¥.	to it	9. died	\$	Charles -	Top -	R.Blogh	pola	1	PRen	5.51	
					ran		nır						-				yak		ddy				layak		×	
			itha	14	ampati Udayki	Srithan	ala Varun Kur	Nithin Reddy	an Kalyan	Mahesh	nmed Ahmed	ikuri Laxman	di Aditya Teja	Sushma Sri	i Swetha	Kiran Reddy	vath Shiva Na	boina Anusha	dy Abhinav Re	ura Santhosh	la Bharath	vath Roja	wath Sairam N	Feja Pasunuthi	Shriank Redd	
			0 K Nikh	11 K.Kon	22 Kamm	2.3 Knrne	24 Kunch	25 Kunta	26 M Pav	27 Mere	28 Moha	29 Mothu	30 Motta	31 Mula	32 Nayin	34 P.Sni	36 Pathla	37 Peddi	38 Pored	39 Pullag	40 Racha	42 Rama	43 Rathle	144 Ravi	146 Saddi	
			20241A011	20241A012	20241A015	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A01	20241A0	20241A0	
	F		10	6	20	2	22	23	24	26	20	27	28	3	30	31	32	33	34	35	30	37	38	8	9	
																00000										
----------	-------	-------------------------------	-----------	-----------	-----------	------------	----------	-------------	------------	----------	----------------	-------------	-----------	-----------	------------	----------------										
						1000001	16/2024	2/13/2024	2/20/2024	3/5/2024	3/12/2024	3/19/2024	3/26/2024	4/2/2024	4/9/2024	4/10/207										
			1/2/2024	1/9/2024	1/23/2024	+707 IDC/1				i - F	Tuesday	Tuesday	Tuesday	Tuesday	Tuesday	Tuesday										
			Tuesday	Tuesday	Tuesday	Tuesday	Tuesday	Tuesday	Tuesday	I uesday	Tucsua)			1-10	while	Cattanta										
1041400	15	Sathvika Narla	A.	T	A A	and the	Ð	T	AT A	atter	and the second	E.	AP I	Knichit	Kink	Kouthi										
1041400	÷ 8	Sokkula Koushikreddy	THE TON	A	1 confrib	Hickory	troushit	Koushik	£	£	Koudik	NUN ON	the state	A	AN	A										
20241A01	49	Sniram Pandavula	Ŧ	2x	dey -	12	Je C	A.	Å.	- Jæ	£	£ -		A A	A	Chund 1										
20241A0	150	T.Bhargavi	Bargau	4	Blone	Bhingh	inconter	inocarts	Bringani	Branni	Phragui	Converte	Manual	9	£	d										
20241A(0151	T.Bhuvaneshwari	7			A CO	À.		A C	ND R.C.	000	C. A. C. B.	A B	Ł	192	Hold the										
20241A	0152	S. Teja Retiesh Reddy	Post 204	hard	T T	T	Kehntra							4000	ve cablent	CN NO										
20241A	0153	Tejavath Kalyani	Kerthe	Tation	rolynu	rallad	Icalyne	1 setter	150 Min	Kaluan	Kalyaw	P. J. mi	Delhui	Rithin	P.L.	Reduc										
20241/	A0154	Tellapuram Prudhvi Raj	No.	in the	A	AN CO	in the	in The	PONSP.	Partilli	T. Dold.	1-Packy	ner te	9. Pality	Pibel.	¥										
202414	0155	Thadem Rohith	R.Rocto	1. WOULD	1 40134	tron t		E an	trunz-	A	Then are	000	Ba	B	CAL CAL	B										
20241/	A0156	i Thummala Rajashekar	A	£	No.		AN S			8	10.01	ß	ALL N	9	E.	Roll 1										
20241/	A0157	7 Uvsgr Kameswara Sai Karthik	Tran	10-01-1-1	AT .		AND AND	Att O	A SEC	(laws	(goy	(Cardy	4	Roy	Sig	Frozz										
202417	10158	8 Sreeram Vattem	£	Ł	(morg)	SCON T.	(NN)			-Invit	I'm	~M~	Ŧ	¥	MM	MA										
202414	V0159	V Vikesh	M	INN	€:			NPV 0	C. LAL	0.0.0	G hal	Æ	¥4	abat	S. Lad	gel by										
20241/	0160) Vennam Srikar	Gila	Serles	£	to to	X 100	tor v	No.	A STA	A.C.	Acre	440	Acres 1	Ŧ	Aver										
21245/	40101	Gumadavelli Arunkumar	Aren	£	400	£ :			L C	1	i e ye	2.5%~~	i Saila	47	K. Price	A b										
21245	A0102	2 Kadirabad Sriram	K. 54 194	Kiline	f F	Prising	244.1	erter .	and I	1 Lides	n-dle	NO. E.K.	Ulble	ЧY	Ŧ	NE										
212454	10103	3 Manikonda Nikitha	- HAAN	d i	NUCUN	Null o	Ralla	12 121 4 44	P. p. lywe	AP	Pallyur	P. pllpm	£	1? Pullyn	P. P.Hyr.	49										
21245A	0104	paridula Prathyusha	Shindi	ŧ	which H			2.10	A	Mome	Ac	amaWi	Plowod.	2 Nours	Mound	Mour										
21245A	0105	5 Pateru Mouna	P.Mom	P. Nouro	¥	x. Nour	T. Wowa	Y. Mew	aL	AUVL-F					,	, s										

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Introduction to Finite Element Method (FEM) – Applications INTERNAL ASSESSMENT QUESTION PAPER

1. As per Rayleigh Ritz method, the total Potential energy (Π) is	ſ	1		
 A) Minimum B) Maximum C) Either A or B D) None of the above 				
2. Total dof at any fixed end joint of a plane frame	l	1		
A) 0 B) 1 C) 2 (() 3	,			
 3. The size of stiffness matrix depend on A) Static indeterminacy of structure B) Kinematic indeterminacy of structure C) Applied Loads D) Used Materials 	Ċ,			
4. Why truss element is consider as 1 D element even every node havin	g 2 nod	al displace	ements?	
			[]
 A) Forces are acting axially B) Forces are acting transversely C) Either A or B D) None of the above 	,			
5 What is N_2 of a bar element, if N_1 is 0.3	ſ	1		
A) 0.7 B) 1.0 C) 0.5 D) 0.4				
6. What is the use of Transformation matrix	1	1		
 A) Convert local co-ordinates in to Global co-ordinates B) Convert global co-ordinates in to local co-ordinates C) Either A or B D) None of the above 7. What is the size of stiffness matrix in case of Propped cantilever bea 	m [1		
A) 1 B) 2 C) 3 D) 4				

8. For a CST element 2A =

A) |D| B) |B| C) |k|

D) [C]

9. The size of stiffness matrix for a CST element is

A) 3 X3
B) 6 X 6
C) 9 X 9
D) 12 X 12

10. The strain displacement is also known as

A) B MatrixB) C MatrixC) D MatrixD) k matrix

11. The size of stiffness matrix for a LST element is

A) 3 X3
B) 6 X 6
C) 9 X 9
D) 12 X 12

12. The value γ_3 equals to

- A) x_{31} B) x_{21} C) x_{23} D) y_{31} 13. The value β_1 equals to
 - A) x₃₁ B) y₂₁ C) y₂₃ D) y₃₁

13. In Axi-symmetric element the Circumferential strain also known as

A) Tangential strain
B) Radial strain
C) Axial Strain
D) Shear strain

ungential str

, Radial stresss C) Longitudinal ; D) Shear stress

-interi

ſ

ſ

I

ſ

[

[

1

]

1

]

]

ſ

]

mmetric element the Axial stress also known as ſ] Tangential stress B) Radial stresss C) Longitudinal stress D) Shear stress 15. In master element the sides are [] A) Curved and straight B) Straight and Sharp C) Curved only D) Straight only 16. In Jacobian matrix $J_{21} =$ Γ 1 A) $\frac{\partial x}{\partial \xi}$ B) $\frac{\partial Y}{\partial \xi}$ C) $\frac{\partial x}{\partial \eta}$ D) $\frac{\partial Y}{\partial \eta}$ 17. For Iso parametric element [1 A) $[N_i]_d = [N_j]_g$ B) [N_i]_d > [Nj]g C) $[N_i]_d < [N_j]_g$ D) None of the above 18. The B-matrix in a four noded rectangular element is [] A) G X H B) D X H С) К Х Н D) C X H 19. In case two point problems the Gaussian weights are ſ 1 A) 1.0, 2.0 B) 1.0, 1.0 C) 2.0, 1.0 D) 1.0 or 2.0 20. In case two point problems the Gaussian points are [] A) 0, 1.0 B) 0.577, - 0.577 C) 0.7772, - 0.7772 D) 1.0, -1.0 21. Strain along x direction ($\in x$) of an element in one dimensional case ſ 1 A) $\frac{\partial^2 u}{\partial x^2}$ B) $\frac{\partial u}{\partial x}$ C) $\frac{\partial v}{\partial x}$

-) ∂x

[1 22. Shear Strain along $(\gamma x y)$ of an element in one dimensional case _____ A) $\frac{\partial^2 u}{\partial x^2}$ B) $\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y}$ C) $\frac{\partial v}{\partial x} + \frac{\partial u}{\partial y}$ D) $\frac{\partial^2 v}{\partial x^2}$ 1 23. Stiffness of a spring (k) [A) $\frac{\delta}{P}$ B) $\frac{1}{2}\sigma \epsilon$ C) $\frac{P}{\delta}$ D) Either A or C 24. Finite Element method is applicable [] A) Irregular boundaries B) All types of loads C) Composite sections D) D) All of the above 25. The properties of a stiffness matrix are [.] A) Square matrix B) Symmetrical matrix C) Determent is zero D) All of the above 26. For Super-parametric element ſ 1 A) $[N_i]_d = [N_j]_g$ B) $[N_i]_d > [N_j]_g$ C) $[N_i]_d < [N_j]_g$ D) None of the above 27. The total degrees of freedom depends on A) Number of Nodes' B) Number of loads C) boundaries D) None of the above 28. The axial stiffness (k) of bar element equals to A) $\frac{A}{I}$ B) $\frac{1}{AE}$ C) D) $\frac{A}{E}$ 29. The direction cosine C =A) Cosθ B) Sin0 C) Cosec₀ D) Tan θ 30. What is the dof for hinge support when only vertical transverse loads are acting A) 0 B) 1 C) 2 D) 3

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009

Value-Added Course on Structural Health Monitoring (SIIM) - Applications and Case Studies

Internal Assessment Score

(water

		Caller Churdent	E	Phone Number	Score out 100
S. No	Roll No. N	ame of the Student		7382335505	75
1	20241A0101	Aadni Srikar Kao	srikarraoaa(ini456@gmail.com	7702884500	60
2	20241A0103	Bacchugudam Rithvik Reddy	reddyrithvik4599@gmil.com	6202471406	54
3	20241A0104	Bandla Naveen	nidunavcen456@gmail.com	7002179027	54
4	20241A0105	3.Pranav Sai	pranavsai.bangarc111@gmail.com	7093178037	50
5	20241A0106	Bhattu Supreeth Chakravarthy	supreethchakravarthy08@gmail.com	7993939146	50
6	20241A0107	Bhupathiraju Himanthavarma	himanthvarma2@gmail.com	8688785483	54
7	20241A0108	Boini Hemanth	hemanth20241a0108@grietcollege.com	8074119737	58
8	20241A0109	Challa Ajay Kumar	challaajaykumar09@gmail.com	9618209704	52 ·
9	20241A0110	Donaboina Sri Hari	srihari9732@gmail.com	9000034399	54
10	2024140111	Eppa Arnay	arnav20241a0111@grietcollege.com	9505124541	80
11	20241A0112	G L N Rachuraman	glnraghu123@gmail.com	9959932020	58
12	20241A0112	Gandla Harshith Kumar	harshithkumar6112@gmail.com	9959987972	62
12	20241A0113	Guagilla Shashank	shashankbubby527@gmail.com	7288004002	64
13	20241A0114	Gunda Srikanth	gundasrikauth2002@gmail.com	9398206325	60
14	20241A0115		gundasi kaini 2002 (igniani com	8463970544	60
15	20241A0116	Jangin Stavan Kuma	sravalpatersongmail.com	6304220823	48
16	20241A0117	Janjiraia Srutil	isconulaiscutath 000@gmail.com	9963615014	48
17	20241A0118	Jarapula Jayanin	nikhikhakilularem 110@amail.com	6302866223	48
18	20241A0119	K Nikhitha	nikhithakakularam 19@gmail.com	8807727040	52
19	20241A0121	K.Kondal	KKondalkanibalapaliy(@gmail.com	00/2062656	60
20	20241A0122	Kammampati Udaykiran	udaykammumpati@gmail.com	9948908030	48
21	20241A0123	Karne Srithan	srithankarnel1@gmail.com	7729081312	48
22	20241A0124	Kunchala Varun Kumar	varunkuma¦75695@gmail.com	7569546572	58
23	20241A0125	Kunta Nithin Reddy	nithinreddy4304@gmail.com	6281158473	50
24	20241A0126	M Pavan Kalyan	Kalyanmakkala@gmail.com	6281690782	52
25	20241A0127	Mere Mahesh	maheshmereyohasha@gmail.com	6303521983	86
26	20241A0128	Mohammed Ahmed	mateen81202@gmail.com	7386719487	60
27	20241A0129	Mothukuri Laxman	ramlaxmanbharath8888@gmail.com	6309547042	62
28	20241A0130	Mottadi Aditya Teja	adityateja?911@gmail.com	8310896636	64
29	20241A0131	Mula Sushma Sri	sushmasrimula95@gmail.com	8179462003	58
30	20241A0132	Nayini Swetha	swethanayini02@gmail.com	6281572952	56
31	20241A0134	P.Sai Kiran Reddy	saikiransan(ldy22@gmail.com	9347912286	50
32	20241A0136	Pathlavath Shiva Nayak	pathlavathshivanayak68@gmail.com	9381802955	44
22	2024140137	Peddiboina Anusha	pedhiboyinisrinu@gmail.com	9100979527	80
33	2024140138	Poreddy Abhinay Reddy	abhinavReddy1898@gmail.com	9390257781	42
25	20241A0130	Pullagura Santhosh	santhoshpullagura1@gmail.com	7075781780	44
- 35	20241A0140	Rachala Bharath	bharathrachala2002@gmail.com	8897652002	52
36	20241A0140	Rachala Dhalath	ramayathrolao42003@gmail.com	7036622719	80
3/	20241A0142	Ramavath Koja Bethleveth Sairam Navak	sairamstunner123@gmail.com	6281080681	56
38	20241A0143	Raunavau Sanan Nayak	teianasunuthi7675@gmail.com	7675811809	50
39	20241A0144	Kavi reja rasunum	springhout and service and ser	9640242124	76
40	20241A0146	Saddi Shriank Keddy		0540242124	
41	20241A0147	Sathvika Narla	satiunana(ggman.com	9942074313	02
42	20241A0148	Sokkula Koushikreddy	kousnikready5678@gmail.com	9949490083	64
43	20241A0149	Sriram Pandavula	sriram.pandavula@gmail.com	9840439836	60
44	20241A0150	T.Bhargavi	bhargavit263@gmail.com	6303032235	64
45	20241A0151	T.Bhuvaneshwari	thangavelpooja25@gmail.com	9959655383	74 .
46	20241A0152	S.Teja Retiesh Reddy	ritieshreddy@gmail.com	8074196459	60
47	20241A0153	Tejavath Kalyani	kalyanitejavath7@gmail.com	8688960330	74
48	20241A0154	Tellapuram Prudhvi Raj	tellapuramprudhvi@gmail.com	8185995072	80
40	20241A0155	Thadem Rohith	rohiththaden18@gmail.com	6303006214	54
50	20241A0156	Thummala Rajashekar	tummalavicky2@gmail.com	9494391440	82
	20241A0157	Uvsgr Kameswara Sai Karthik	uppulureka thik@gmail.com	8074982921	54
	20241A0158	Sreeram Vattem	sreeramv2002@gmail.com	9515259150	84
5	2024140150	V Vikesh	vikesh2803@gmail.com	9618700132	60
	A 20241A0150) Vennam Srikar	srikarvennam007@gmail.com	7729889522	56
	E 21245A010	Gumadavelli Arunkumar	arunkumargummadavelli@gmail.com	9866272260	52
5	5 21243A010	Kadirabad Stiram	kadirabadstiram@gmail.com	9014317210	60
5	7 212454010	Manikonda Nikitha	manikondanikitha666@gmail.com	7780283337	64
5	7 21245A010.	1 Paridula Prothyacha	nrathyushaparidula@gmail.com	8522058632	52
5	8 21245A0104	S Patern Mours	mounapaterii357@gmail.com	0652541203	54
5	9 21245A010		mounapaternos / tegman.com	9032341293	

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Introduction to Finite Element Method (FEM) – Applications EXTERNAL ASSESSMENT QUESTION PAPER

Part-A

20 X 2 = 40 M

[

ſ

ſ

]

]

1

- 1. The art of subdividing the structure into a convenient number of smaller elements is known as []
 - A) Assemblage
 - B) Continuum
 - C) Discretization
 - D) Traction
- 2. Total dof at any hinged end joint of a plane frame
 - A) 0 B) 1
- C) 2
- D) 3
- 3. The size of stiffness matrix depend on
 - A) Static indeterminacy of structure
 - B) Kinematic indeterminacy of structure
 - C) Applied Loads
 - D) Used Materials
- 4. The sum of shape functions for a bar element is _____
 - A) 0.7 B) 1.0
 - C) 0.5
 - D) 0.4

Stimate the number of element for given structure.



- A) 3
- B) 4
- C) 5
- D) 2

6. What is the size of constitutive matrix [D] in case of axi-symmetric element?

- A) 3 X3
- B) 4 X 4
- C) 6 X 6
- D) 2 X 2

7. What is the size of global stiffness matrix in case of continuous beam as shown below: [

PENNY DOG

ſ

[

ſ

I

1

J

1

]

I

I

]

]

A) 3 X3

B) 4 X 4

C) 6 X 6

D) 8 X8

8.. The strain displacement is also known as

A) B MatrixB) C MatrixC) D Matrix

D) k matrix

09. The size of stiffness matrix for a LST element is

A) 3 X3
B) 6 X 6
C) 9 X 9
D) 12 X 12

10. The value γ_2 equals to

A) x_{31} B) x_{21} C) x_{13} D) y_{13}

11. The value β_3 equals to

A) x₃₁ B) y₁₂ C) y₂₃ D) y₃₁

12. In Axi-symmetric element the Circumferential strain also known as

A) Tangential strain
B) Radial strain
C) Axial Strain
D) Shear strain
13. In master element the sides are

- A) Curved and straight
- B) Straight and Sharp
- C) Curved only
- D) Straight only

3

ſ $J\xi = \frac{\partial \xi}{\partial Y}$ $J = \frac{\partial Y}{\partial \xi}$ $J = \frac{\partial Y}{\partial \eta}$ $J = \frac{\partial Y}{\partial \eta}$ $J = \frac{\partial Y}{\partial \eta}$ 15. For Sub-parametric element ſ A) $[N_i]_d = [N_j]g$ B) $[N_i]_d > [N_j]_g$ C) [N_i]_d < [Nj]g D) None of the above 16. The B-matrix in a four noded rectangular element is ſ 1 A) G X H B) D X H С) К Х Н D) C X H 19. In case two point problems the Gaussian points are _____ , ____ [1 A) 0, 1.0 B) 0.577, - 0.577 C) 0.7772, - 0.7772 D) 1.0, -1.0 18. Strain along x direction ($\in y$) of an element in one dimensional case _ A) $\frac{\partial^2 u}{\partial x^2}$ ſ 1 B) $\frac{\partial u}{\partial x}$ C) $\frac{\partial v}{\partial y}$ D) $\frac{\partial^2 v}{\partial x^2}$ Shear Strain along ($\gamma x y$) of an element in one dimensional case _____ A) $\frac{\partial^2 u}{\partial x^2}$ B) $\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y}$ C) $\frac{\partial v}{\partial x} + \frac{\partial u}{\partial y}$ ſ 1 D) $\frac{\partial^2 v}{\partial x^2}$ 20. The direction cosine C =A) Cos0 B) Sin0 C) Cosec₀ D) Tan₀

Part-B

21. As per Rayleigh Ritz method, the total Potential energy (Π) is _____] [

- A) Minimum B) Maximum C) Either A or B
- D) None of the above

22. For truss analysis, which type of elements are used?

A) Triangular

- B) Bar
- C) Rectangular
- D) Quadrilateral

23. Estimate the following values for the given displacement field in plane stress condition. $u = (2x^2 - 3xy + y^2) 10^{-2}$ and $v = (6x + 3y) 10^{-4} \varepsilon_x$, and γ_{xy} where, x=1 and y=2. A) - 6×10^{-2} & - 2×10^{-2} B) - 2 X 10⁻² & - 5 X 10⁻² C) 0 & 0 D) - 0.5 & -0.5

24. Evaluate the shape functions N1 and N3 at the interior point P for the triangular element shown in the figure below.



A) $\frac{14}{30}$ & $\frac{4}{30}$ B) $\frac{4}{30}$ & $\frac{14}{30}$ C) $\frac{14}{30}$ & $\frac{12}{30}$ D) 1 & ≈ 0 D) 1 & 0

25. Evaluate the B- Matrix for the triangular element shown in the figure below.

A)	5	0	-50	0	0	B)	-5	5 0	5	0	0	0	C) -:	5	0	5	0	0	0	D)	-4	5 0	5	0	0	0
	0	3	0 -3	0	0		0	-3	0	3	0	0	C)	-3	0	- 3	0	6		0	3	0	3	0	-6
	3	5	-3 -5	0	0		-3	-5	3	5	0	0		3	-5	-3	5	6	0		3	-5	3	5	-6	0
26	Fre	om	the fo	ollo	wing	7. W	hic	h tv	ne c	ofe	lem	nen	t is n	ot	two	o di	mei	nsid	onal	2					-	

A) Rectangle .

B) Quadrilateral

C) Parallelogram

D) Tetrahedron

z tour noded quadratic N₄ at the point $(\xi = 1)$

3

 $20 \times 3 = 60$

the four noded quadrilateral element shown in figure. Determine the shape functions N₂ at N₄ at the point ($\xi = 0.5$ and $\eta = 0.5$)



A) 0.0625 & 0.1875B) 0.1875 & 0.0625

6

- C) 0.1875 & 0.1875
- D) 0.1875 & 0.0625
- 28. From the following, which type of element is not three dimensional?
- (A) Hexahedron
 - B) Quadrilateral
 - C) Rectangular prism
 - D) Tetrahedron
- 29. For the four noded quadrilateral element shown in figure. The size of the Jacobian matrix and evaluate at the point (($\xi = 0.5$ and $\eta = 0.5$)

A) 1 X 1 B) 1 X 2 C) 2 X 1 D) 2 X 2

30. Number of displacement polynomials used for an element depends on _____

- A) Nature of Element
- B) Degrees of freedom (dof)
- C) Type of an element
- D) Nodes

31. To find the nodal displacements in all parts of the element, _____are used.

- A) Shape functions
- B) Node Functions
- C) Element functions
- D) Co-ordinate functions

31. The determinant of an element stiffness matrix is always equals to_____

- A) 0
- B) 1
- C) 2
- D) 3

32. How many nodes are there in a 3-D brick element?

- A) 3
- B) 6

C) 8

D) 9

33. From below, choose the correct condition for the axisymmetric element.

- A) Symmetric about axis
- B) Boundary conditions are symmetric about an axis

C) Loading conditions are symmetric about an axis

D) All of the mentioned above

34. Which of the following is not a method for calculation of the stiffness matrix?

A) The minimum potential energy principle

B) Galerkin's principle

C) Weighted residual method

D) Inverse matrix method

35. When a thin plate is subjected to loading in its own plane only, the condition is called _

B) Plane strain

C) Zero stress

C) Zero strain

36. In penalty approach, rigid support is considered as a spring having ______ stiffness.

- B) Very small C) Very Large
- D) Infinite

37. The strain energy per unit volume is equal to _____

A) 0.25 * Force * Deflection

B) 0.5 * Force * Deflection

C) 0.25* Stress * Deflection

D) 0.5 * Stress * Deflection

38. If the size of the elements is small, the final solution is expected to be ______ accurate.

B) Less

C) Depends on other factors

D) Can't say

39. Which of the following is not an FEA package?

A) ANSYS

B) Abagus

C) Nastran

D) AutoCAD

40. The truss element can deform only in the

A) Axial direction

- B) Horizontal direction
- C) Vertical direction
- D) Inclined direction

6



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Structural Health Monitoring (SHM) – Applications and Case Studies

External Assessment Score

S. NO	Rol	No.	Name	e of the Student				
1	2024	A0101	Aadh	i Srikar Bao		Email ID	Phone Number	Score out 100
2	2024	1A0103	Bacc	hugudam Rithvik Raddu	snka	arraoaadhi456@gmail.com	7382335505	75
3	2024	140104	Band	la Neuror	redd	yrithvik4599@gmil.com	7702884599	60
4	2024	140105	DDD		nidu	inaveen456@gmail.com	6303471495	54
5	2024	140105	D.FR	anav Sai	pran	avsai.bangare111@gmail.com	7093178037	50
	2024	140100	Bhat	tu Supreeth Chakravarthy	supr	reethchakravarthy08@gmail.com	7993939146	50
	2024	1/0107	Bhu	pathiraju Himanthavarma	hima	anthvarma2@gmail.com	8688785483	54
/	2024	1A0108	Boin	ii Hemanth	hem	anth20241a0108@grietcollege.com	8074119737	58
8	2024	1A0109	Cha	lla Ajay Kumar	chal	llaajaykumar09@gmail.com	9618209704	52
9	2024	41A0110	Don	aboina Sri Hari	srih	ari9732@gmail.com	9000034399	54
10	2024	41A0111	Epp	a Arnav	arna	av20241a0111@grietcollege.com	9505124541	80
11	202	41A0112	GL	N Raghuraman	glnr	raghu123@gmail.com	9959932020	58
12	202	41A0113	Gan	idla Harshith Kumar	hars	shithkumar6112@gmail.com	9959987972	62 .
13	202	41A0114	Gug	ggilla Shashank	sha	shankhubby527@gmail.com	7288004002	64
14	202	41A0115	Gur	nda Srikanth	gun	ndasrikanth2002@gmail.com	9398206325	60
15	202	41A0116	Jan	gili Sravan Kumar	srav	vanpatel58@gmail.com	8463970544	60
16	202	241A0117	Jan	jirala Sruthi	srut	thijanjirala07@gmail.com	6304220823	48
17	202	241A0118	Jara	apula Jayanth	jara	apulajayanth999@gmail.com	9963615014	48
18	202	241A0119	KI	Nikhitha	nik	hithakakularam119@gmail.com	6302866223	48
19	202	241A012	K.I	Kondal	kko	ondalkambalapally@gmail.com	8897727949	52
20	20	241A0122	2 Ka	mmampati Udaykiran	uda	aykammampati@gmail.com	9948968656	60
21	1 20	241A012	3 Ka	rne Srithan	srit	thankarnel1@gmail.com	7729081312	48
27	2 20	241A012	4 Ku	inchala Varun Kumar	var	runkumar75695@gmail.com	7569546572	58
2	3 20	241A012	5 Ku	unta Nithin Reddy	nit	hinreddy4304@gmail.com	6281158473	50
2	4 20	241A012	6 M	Pavan Kalyan	Ka	alyanmakkala@gmail.com	6281690782	52
2	5 20	241A012	7 M	ere Mahesh	ma	aheshmereyohasha@gmail.com	6303521983	86
2	6 20	0241A012	8 M	ohammed Ahmed	ma	ateen81202@gmail.com	7386719487	60
2	7 20	0241A012	.9 M	othukuri Laxman	rar	mlaxmanbharath8888@gmail.com	6309547042	62
2	.8 20	0241A013	10 M	lottadi Aditya Teja	ad	lityateja2911@gmail.com	8310896636	64
2	29 20	0241A013	81 M	lula Sushma Sri	su	shmasrimula95@gmail.com	8179462003	58
	30 2	0241A013	32 N	ayini Swetha	SH	vethanayini02@gmail.com	6281572952	56
	31 2	0241A01.	34 P.	Sai Kiran Reddy	sa	ikiransanddy22@gmail.com	9347912286	50
	32 2	0241A01	36 P	athlavath Shiva Nayak	· pa	athlavatlishivanayak68@gmail.com	9381802955	44
	33 2	0241A01	37 P	eddiboina Anusha	pe	edhiboyinasrinu@gmail.com	9100979527	80
)	34 2	0241A01	38 P	oreddy Abhinav Reddy	at	bhinavReddy1898@gmail.com	9390257781	42
	35 2	0241A01	39 P	ullagura Santhosh	sa	anthoshpullagural@gmail.com	7075781780	44
_	36 2	20241A01	40 K	Rachala Bharath	ы	harathrachala2002@gmail.com	8897652002	52
	3/ 2	20241A01	42 R	Ramavain Koja	ra	amavathrojao42003@gmail.com	7036622719	80
-	38 4	20241A01	43 1	Camavath Sairam Nayak	Sa	airamstunner123@gmail.com	6281080681	56
	39 4	20241A01	44 1	Cavi Teja Fasunutin		brioglogo 1@gmail.com	7675811809	50
-	40 41	20241A01	40 3	Saddi Shirlank Keddy		athunasla@gmail.com	9640242124	76
-	41 42	2024140	147	Sokkula Koushikreddy	L S	anunana@gman.com	9542874515	62
	42	20241A0	140	Stiram Pandavula		riram pandavalla@gmail.com	9949490083	64
H	44	2024140	150	T Bhargavi	- s	phargavit263@gmail.com	6303032224	60
	45	2024140	151	T.Bhuvaneshwari		hangavelpooja25@gmail.com	9050655282	74
H	46	20241A0	152	S.Teja Retiesh Reddy		ritieshreddy@gmail.com	8074196459	60
	47	20241A0	153	Tejavath Kalyani	-li	kalyanitejavath7@gmail.com	8688960330	74
H	48	20241A0	154	Tellapuram Prudhvi Rai		tellapuramprudhvi@gmail.com	8185995072	80
F	49	20241A0	155	Thadem Rohith		rohiththadem18@gmail.com	6303006214	54 .
F	50	20241A0	156	Thummala Rajashekar	1	tummalavicky2@gmail.com	9494391440	82
F	51	20241A0	157	Uvsgr Kameswara Sai Karthik		uppulurekarthik@gmail.com	8074982921	54
F	52	20241A0	0158	Sreeram Vattem		sreeramv2002@gmail.com	9515259150	84
F	53	20241A0)159	V Vikesh		vikesh2803@gmail.com	9618700132	60
. 1	54	20241A	0160	Vennam Srikar		srikarvennam007@gmail.com	7729889522	56
Ē	55	21245A	0101	Gumadavelli Arunkumar		arunkumargummadavelli@gmail.com	9866272260	52
	56	21245A	0102	Kadirabad Sriram		kadirabadsriram@gmail.com	9014317210	60
	57	21245A	0103	Manikonda Nikitha		manikondanikitha666@gmail.com	7780283337	64
	58	21245A	0104	Paridula Prathyusha		prathyushaparidula@gmail.com	8522958632	52
	59	21245A	0105	Pateru Mouna		mounapateru357@gmail.com	9652541293	54



Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Rond, Kukatpally, Hyderabad-500009

Value-Added Course on Introduction to Finite Element Method (FEM) - Applications

FEEDBACK RESPONSES

S. No	Roll No.	Name of the Student	YOUR OVERALL SATISFACTION LEVEL ABOUT	THE SESSIONS WAS IN CLEAR AND ORGANIZED	THE RESOURCE PERSONS RESPONDED TO QUESTIONS IN AN INFORMATIVE AND	DO YOU NEED MORE PROGRAMS LIKE THIS ??	KEY TAKEAWAYS FROM THE VAC	YOUR SUGGESTIONS AND COMMENTS
1	20241A0101	Aadhi Srikar Rao	F	MANNER	APPROPRIATE	5165 1115 11		·
2	20241A0103	Bacchugudam Rithvik Reddy	5	5	5	5	NII	NI
3	20241A0104	Bandla Naveen	4		5	5	Nothing	Nothing Note reactice
4	20241A0105	B Pranav Sai	5	4		4	Learn the background	
5	20241A0106	Bhattu Supreeth Chakravarthy	5	5	5	5		Very good
6	20241A0107	Bhupathiraju Himanthavarma	4	4	<u>5</u>	5	Applications	Good It's alsoady best
7	20241A0108	Boini Hemanth	5	5	5	4	Creat topic	Good
8	20241A0109	Challa Ajay Kumar	4	4	4	4	Satisfactory	Encouragement
9	20241A0110	Donaboina Sri Hari	4	5	5	5	Nil	Nil
10	20241A0111	Ерра Алау	3	4	4	4	NII	Good
11	20241A0112	G L N Raghuraman	4	4	4	4	FEM	Good
12	241A0113	Gandla Harshith Kumar	3	3	3	3	Differenc applications	Good
13	241A0114	Guggilla Shashank	4	4	4	4	Dimerent applications	ОК
14	20241A0115	Gunda Srikanth	5	5	5	5	Nil	NII
15	20241A0116	Jangili Sravan Kumar	2	2	2	2	FEM	Good
17	20241A0117	Janjirala Sruthi	3	3	3 .	3	Full	Nil
18	20241A0118	Jarapula Jayanth	5	4	4	5	Good	Nil
	20241A0119	K Nikhitha	5	4	4	4	Good	Good
19	20241A0121	K.Kondal	5	5	5	5	Better Knowledge on working of FEM	Good
-20	20241A0122	Kammampan Udaykiran	4	4	4	• 4	Good	Use updated codes
21	20241A0123	Kame Srithan	4	4	4	5	Better Knowledge on working of FEM	No comments
22	20241A0124	Kunchala Varun Kumar	5	· 5	5	4	Very good	Good program
23	20241A0123	Kunta Nithin Reddy	5	5	5	5	FEM	Good
24	20241A0126	M Pavan Kalyan	2	2	2	2	Knowledge	No comments
26	20241A0127	Mere Manesh Mehammed Ahmed	5	5	5	4	Nil	Nil
27	20241A0128	Mothulaut Lexmen	5	5	5	5	Yes	No
28	20241A0123	Mottadi Aditva Teia	4	4	4	4	to studeete	Excellent
29	20241A0130	Mula SuFEMa Sri	5	5	5	5	Nothing	Nothing
30	20241A0132	Navini Swetha	5	5	5	5	Nothing	Nothing
31	20241A0134	P.Sai Kiran Reddy	5	5	5	5	Nothing	Good
32	20241A0130	5 Pathlavath Shiva Nayak	5	5	1	3	Notning	Good Conducted this exam
33	20241A013	7 Peddiboina Anusha	4	4	4	4	Good	Good
34	Q 241A013	8 Poreddy Abhinav Reddy	3	4	3	3	pasic knowledge about	No comments
35	20241A0139	Pullagura Santhosh	5	5	5	5	Very good	Very good
36	20241A0140	0 Rachala Bharath	5	5	5	5	No comments	No comments
37	20241A0142	2 Ramavath Roja	5	5	5	5	pasic knowledge about	WORE WORKShops is
38	20241A014	3 Rathlavath Sairam Nayak	3	5	4	4	Nothing	good
39	20241A014	A Ravi Teja Pasunuthi	4	4	4	5	Nothing	wore training is
40	20241A014	6 Saddi Shriank Reddy	3	4	4 .	4	No	Good
41	20241A014	7 Sathvika Narla	5	5	1	• 3	Nil	Nil
42	20241A014	Sokkula Koushikreddy	4	4	4	4	Níl	Good
43	20241A014	C T Phorena	3	4	3	3	FEM	Good
44	20241A013	T Bhuyapeshwari	5	5	5	5		Good
45	20241A015	2 S Teja Retiesh Reddy	3	3	5	5	FEM	Nothing
46	20241A015	3 Tejavath Kalvani	5	5	4	4	Nil	OK
4/	20241A015	4 Tellapuram Prudhvi Raj	2	2	2	3	FEM	Good
40	20241A015	5 Thadem Rohith	3	3	3	3	Full	OK
49	20241A015	6 Thummala Rajashekar	5	4	4	5	NII Good	Nil
50	20241A015	7 Uvsgr Kameswara Sai Karthik	5	4	4	4	Basic Kliowiedge abou	Good Conducted this exam
57	20241A015	8 Sreeram Vattem	3	5	4	4	Good	Good
52	20241A015	9 V Vikesh	4	4	4	5	pazic kuomienke apon	No commonte
53	20241A016	0 Vennam Srikar	3	4	4	4	Very good	Very good
- 54	21245A010	1 Gumadavelli Arunkumar	5	5	1	3	No comments	No comments
56	21245A010	2 Kadirabad Sriram	4	4	4	5	I learn basics of FFM	Good
57	21245A010	3 Manikonda Nikitha	4	4	4	5	No comments	No comments
58	21245A010	4 Paridula Prathyusha	5	4	4	4	I learn basics of FEM	Very good
59	21245A010	5 Pateru Mouna	5	4	4	4	I learn basics of FEM	Very good



RIET %C G 23-24

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET				here agored	
Department	Civil Engine	eering	Profession	al Body	Inst Bod	itutional Y
Nature of the Event (Co & Extra Curricular Activities -Workshop) Seminar Guest Lecture Tech (k:FDP'GD' Training ogram / Quiz Any Prof. Body events Presentation / Conference/Industry Visit)	Value Add	led Course				
Title / Theme of the Event	Introduction	to Finite Elemen	t Method (FE	M) – App	licatio	ns
Details of the Coordinator& Designation	Convener and Dr. G V V Sat Professor & H	l Coordinator yanarayana, OD. CE. GRIET				
Event Dates/Days	From	То	No. of Days			
	02/01/2024	23/04/2024	14			
Details of the Speaker 'Guest Qrganization Address:	Dr. G V V Sat Professor & H	yanarayana. OD. CE. GRIET				
Participants (Teaching Faculty (Non-	No. of Faculty	No. of UG students	No. of PG Students	No. of ou particip	nside ants	Total Participants
Teaching Faculty Students)	-	59		-		59
Faculty Names & Designation	-					
Summary of the Event	The finite ele problems whi formulated as complex prob method is pro- is represented finite element	ement method (F ich are described s functional mini plems where is n vides approximate as an assembly o ts are determined	EM) is a nu by partial d mization. Thi o direct solut solutions but of finite eleme in terms of a	umerical te ifferential is method ions are no acceptable ints. Appro nodal value	echniqu equati is mo ot avai A dor ximati es of a	ue for solving ons or can be st suitable for lable. But this main of interest ng functions in physical field

which is sought A continuous physical problem is transfo discretized finite element problem with unknown nodal values. For problem a system of linear algebraic equations should be solved. Values finite elements can be recovered using nodal values. IRG (in rupees) Deposited A/C no A/C name and date and NIL other details (enclose proof-A/C statement) Expenditure (in rupees) MIL (Enclose proof-bills) PO 1: Apply knowledge of mathematics, science and fundamentals of Civi Engineering. PO 2: Analyse problem and interpret the data. PO 3: Design a system component, or process to meet desired needs in Civi Engineering within realistic constraints POs attained with this Event PO 4: Identify, formulate, analyse and interpret data to solve Civi (number and description) Engineering problems. PO 12: Recognize the need for and an ability to engage in life-long learning PSO 2: Create and develop innovative designs with new era material through research and development.

INTRODUCTION TO FINITE ELEMENT METHOD (FEM) Applications

(=)

Photographs of the event (Hard copy and Soft copy)

ELLISCHERSTER THREELESSER THREELES THREELESSER THREELESSER THREELESSER THREELESSER THREELE 9





Proofs: 1. Certificates copies 2. Profile of Speaker 3. PPT/Material as applicable. etc.,

The At

 Signature of Coordinators Dr. G V V Satyanarayana. Professor & HOD, CE, GRIET.

Frank.

Signature of Convenor Dr. G V V Supanarayana. Professor & HOD, CE, GRIET

INSTITUTE OF ENGINEERING AND TECHNOLOGY GOKARAJU RANGARAJU

R

(Autonomous)



Certificate of Participation

C

CONTED WITH

Bandla Naveen (20241A0104) This is to certify that

"Introduction to Finite Element Method (FEM) – Applications" in Gokaraju Rangaraju Institute of Engineering and Technology, has succesfully participated in Value-Added Course (VAC) on Hyderabad from 2nd January to 23nd April 2024. from IV B.TECH - Civil Engineering

Convenor & HOD

br.CVV Satyanarayana

Pryes W

J. Baver

Dr. J. Praven Principul

INSTITUTE OF ENGINEERING AND TECHNOLOGY GOKARAJU RANGARAJU (Autonomous)



Certificate of Participation

···() > ··· > () ··· ·· () ···

Stephen Barrow

This is to certify that **Milhitha** (20241A0119) from IV B.TECH – Civil Engineering

"Introduction to Finite Element Method (FEM) - Applications" in Gokaraju Rangaraju Institute of Engineering and Technology, has succesfully participated in Value-Added Course (VAC) on Hyderabad from 2nd January to 23rd April 2024.

Dr. J. Praveen PTITCIPLE

J. Baveer

PILYES M-

Convence & MOD Dr.GVV Satyanarayana

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

() ALART SPECIFICATION ()



Certificate of Participation

Wilkesh (20241A0159)

from IV B.TECH - Civil Engineering

"Introduction to Finite Element Method (FEM) - Applecationar" in Gokaraju Rangaraju Institute of Engimeening and Techmolison. has succesfully participated in Value-Addred Course [WAC] am Hyderabad from 2" Jamuary to 23" April 2024.

COTTENA & HOD

- Berneral

Principality in the second

INSTITUTE OF ENGINEERING AND TECHNOLOGY GOKARAJU RANGARAJU (Autonomous)



Certificate of Participation

Stoned With

This is to certify that **W WINGSIN** (20241A0159) from IV B.TECH – Civil Engineering

"Introduction to Finite Element Method (FEM) – Applications" in Gokaraju Rangaraju Institute of Engineering and Technology, has succesfully participated in Value-Added Course (VAC) on Hyderabad from 2nd January to 23rd April 2024.

FILLER W

Convener & HOD Dr.GVV Satyanarayana

J. Baver SPERICESSICS

Dr. J. Praveou

INSTITUTE OF ENGINEERING AND TECHNOLOGY GOKARAJU RANGARAJU



Certificate of Participation

(Autonomous)

Creoned WITH

This is to certify that Pateru Mouna (21245A0105) from IV B.TECH – Civil Engineering

"Introduction to Finite Element Method (FEM) - Applications" in Gokaraju Rangaraju Institute of Engineering and Technology, has succesfully participated in Value-Added Course (VAC) on Hyderabad from 2nd January to 23rd April 2024.

J+1-Y=3 11]-

Convenor & HOD Dr.GVV Satyanarayana

J. Baveer

Dr. J. Proven



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/1C/G/23-24

01 March 2024

To

The Principal,

GRIET,

Hyderabad.

Subject: Value Added Course on "Geographic Information System (GIS)", Regd. Sir,

With reference to the above subject, we the Department of Civil Engineering introduce Value Added Course on "Geographic Information System (GIS)" by Department of Civil Engineering for IV B. Tech - II Semester Students. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination.Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

I 01/3/24

Dr. G V V Satyanarayana Professor & HOD Civil Engineering Dept Regultion: GR20 807 Regultion: GR20 807 Gourle N

Principal

Value Added Course on Geographic Information System (GIS) (4 th March to 21 st March 2024) Organized by Department of Civil Engineering	
Patrons Dr. Jandhyala N. Murthy, Director, GRIET Dr. J. Praveen, Principal, GRIET Dr. K. V. S. Raju, Senior Administrative officer, GRIET	Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET Coordinators I. Mr. Rathod Ravinder, Assistant Professor, CE, GRIET Assistant Professor, CE, GRIET Assistant Professor, CE, GRIET Resource Persons I. Mr. Rathod Ravinder, Assistant Professor, CE, GRIET
Gokaraju Rangaraju Institute of Engineering and Technology Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute ander the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.	The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The college is NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, Al&ML, DS are new programs. The institute is accredited by NAAC with " $A++$ " grade. Department of Civil Engineering is stablished in the year 2008, with an intake of 50 students. It is a fast-growing discipline in une with the infrastructure growth. The department has master's program in structural Engineering, established in the year 2014 with an intake of 18 students which is "urther increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.

About Value added course	Course Contents	Registration
	Introduction:	There is NO Registration Fee for the Value-
A Geographic Information System (GIS) is a	Definition of GIS - Classification, Types and	Added Course on "Geographic Information
framework for gathering, managing, and	Components of GIS - Advantages and Benefits of	System (GIS)''
analyzing data rooted in the science of	GIS.	
geography. GIS integrates many types of data	Technologies:	Expected Outcome:
and is used to analyze spatial locations and	QGIS open source software, Laptop and internet	This course will help students to learn the basic
organize layers of information into		concepts of GIS and extended the learning to
visualizations using maps and 3D scenes. With	Methodology: Problem Definition- Data Acquisition-	projects in the practical implications in various
this unique capability, GIS reveals deeper	Data Input- Data Analysis- Interpretation- Decision	domain.
insights into data, such as patterns,	Making.	
relationships, and situations-helping users		Important Dates
make smarter decisions. Some of the application	GIS monitoring:	Receipt of Registrations : 01-03-2024
seen for various departments such as Urban	GIS monitoring involves using Geographic	VAC Duration :
Planning, Environmental Management,	Information Systems (GIS) to continuously observe,	4 th March to 21 st March 2024
Transportation, Agriculture, Public Health.	track, and analyze various phenomena or processes	(Daily 04pm to 6pm)
GIS continues to evolve with advancements in	over time. This can be applied in various fields such	GIS first and GS& DM Decteon Milling
technology, such as the integration of artificial	as environmental monitoring, urban planning,	
intelligence (AI) and machine learning, cloud	disaster management, and more. Here's an outline of	A AND A AND
computing, and the Internet of Things (loT),	the key components and steps involved in GIS	
expanding its capabilities and applications	monitoring.	
across various fields.		

No. of Concession, Name

12.0





Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering Timetable for Value Added Course AY: 2023-24

			w.e.f: 04 th Marc	h to 21 st March 2024
Day	10:20am – 01:05pm	01:05pm -01:40pm	01:40pm – 03:00pm	03:00pm-05:00pm
Monday	Regular Classwork	~	Regular Classwork	VAC-GIS
Tuesday	Regular Classwork		Regular Classwork	VAC-GIS
Wednesday	Regular Classwork		Regular Classwork	VAC-GIS
Thursday	Regular Classwork	LUNCH BREAK	Regular Classwork	VAC-GIS
Friday	Regular Classwork]	Regular Classwork	VAC-GIS
Saturday	Regular Classwork]	Regular Classwork	VAC-GIS

Sub. Code	Sub. Short form	Subject	Speaker Name
(D20V8020)	VAC-GIS	Geographic Information System (CIS)	Mr. Rathod Ravinder
98230000	vite ois	Geographic filler filler filler of System (GIS)	Assistant Professor, CE, GRIET.

Freat HOD-CE



Gokaraju Rangaraju Institute of Engineering and Technology

One Credit Course

Course Title : GEOGRAPHIC INFORMATION SYSTEM (GIS)

Total Number of Lecture Hours : 30

Course Content:

1: Introduction to GIS: Definition and history of GIS, Components of a GIS, Applications of GIS in various fields

2: GIS Data Models and Structures: Raster data model (grid cells), Comparison of vector and raster data

3: Data Sources and Acquisition: Remote sensing and aerial photography, GPS (Global Positioning System)

4: GIS Data Management: Database concepts and management systems, Data storage, retrieval, and indexing

5: Data Quality and Standards: Accuracy, precision, and error in spatial data, Metadata and data documentation

6: GIS Database Design: Conceptual, logical, and physical design, Normalization and spatial relationships

7: Introduction to Spatial Analysis: Spatial queries and operations, Proximity and buffer analysis

8: Network Analysis: Concepts of network analysis, Network applications (transportation, utilities)

9: Terrain Analysis: Digital Elevation Models (DEMs), Hydrological modeling (watershed and stream networks)

10: Spatial Statistics and Geostatistics, Descriptive spatial statistics, Spatial autocorrelation and clustering

11: Principles of Cartography: Map design and layout, Coordinate systems and map projections

12: Advanced Visualization Techniques: Interactive web mapping, Story maps and dashboards

13: Environmental Applications: Land use and land cover mapping, Environmental impact assessment

14: Urban and Regional Planning: Urban growth modelling, Infrastructure and utility management

15: Disaster Management and Emergency Response: Hazard mapping and risk assessment, GIS in response and recovery operations

Assessment and Evaluation

- Assignments: Regular practical assignments to reinforce concepts
 Ouizzes and Example Device to
- Quizzes and Exams: Periodic quizzes and midterm/final exams to assess understanding

Targeted Audience:

1. B. Tech (Civil) IV-II Year Students

Resource Persons

1. Mr. Rathod Ravinder, Assistant Professor, CE, GRIET.

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

(ces)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Geographic Information System (GIS)

S.No	Reg No	Student Name
1	20241A0101	AADHI SRIKAR RAO
2	20241A0103	BACCHUGUDAM RITHVIK REDDY
3	20241A0104	BANDLA NAVEEN
4	20241A0105	B.PRANAV SAI
5	20241A0106	BHATTU SUPREETH CHAKRAVARTHY
6	20241A0107	BHUPATHIRAJU HIMANTHAVARMA
7	20241A0108	BOINI HEMANTH
8	20241A0109	CHALLA AJAY KUMAR
9	20241A0110	DONABOINA SRI HARI
10	20241A0111	EPPA ARNAV
11	20241A0112	G L N RAGHURAMAN
12	20241A0113	GANDLA HARSHITH KUMAR
13	20241A0114	GUGGILLA SHASHANK
14	20241A0115	GUNDA SRIKANTH
15	20241A0116	JANGILI SRAVAN KUMAR
16	20241A0117	JANJIRALA SRUTHI
17	20241A0118	JARAPULA JAYANTH
18	20241A0119	K NIKHITHA
19	20241A0121	K.KONDAL
20	20241A0122	KAMMAMPATI UDAYKIRAN
21	20241A0123	KARNE SRITHAN
22	20241A0124	KUNCHALA VARUN KUMAR
23	20241A0125	KUNTA NITHIN REDDY
24	20241A0126	M PAVAN KALYAN
25	20241A0127	MERE MAHESH
26	20241A0128	MOHAMMED AHMED
27	20241A0129	MOTHUKURI LAXMAN
28	20241A0130	MOTTADI ADITYA TEJA
29	20241A0131	MULA SUSHMA SRI
30	20241A0132	NAYINI SWETHA
31	20241A0134	P.SAI KIRAN REDDY
32	20241A0136	PATHLAVATH SHIVA NAYAK
33	20241A0137	PEDDIBOINA ANUSHA
34	20241A0138	POREDDY ABHINAV REDDY
35	20241A0139	PULLAGURA SANTHOSH
36	20241A0140	RACHALA BHARATH
37	20241A0142	RAMAVATH ROJA

LIST OF REGISTERED PARTICIPANTS

38	20241A0143	RATHLAVATH SAIRAM NAYAK
39	20241A0144	RAVI TEJA PASUNUTHI
40	20241A0146	SADDI SHRIANK REDDY
41	20241A0147	SATHVIKA NARLA
42	20241A0148	SOKKULA KOUSHIKREDDY
43	20241A0149	SRIRAM PANDAVULA
44	20241A0150	T.BHARGAVI
45	20241A0151	T.BHUVANESHWARI
46	20241A0152	S.TEJA RETIESH REDDY
47	20241A0153	TEJAVATH KALYANI
48	20241A0154	TELLAPURAM PRUDHVI RAJ
49	20241A0155	THADEM ROHITH
50	20241A0156	THUMMALA RAJASHEKAR
51	20241A0157	UVSGR KAMESWARA SAI KARTHIK
52	20241A0158	SREERAM VATTEM
53	20241A0159	VVIKESH
54	20241A0160	VENNAM SRIKAR
55	21245A0101	GUMADAVELLI ARUN KUMAR
56	21245A0102	KADIRABAD SRIRAM
57	21245A0103	MANIKONDA NIKITHA
58	21245A0104	PARIDULA PRATHYUSHA
59	21245A0105	PATERU MOUNA



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Geographic Information System (GIS)

INTERNAL ASSESSMENT QUESTION PAPER

1.	Among the available formats, which	h are most commonly used in case of GIS?
	a) GIF	b) TIFF
-	c) JPEG	d) DXF
2.	Which data structure required low	storage
	a) Raster	b) Vector
	c) TIN	d) all the above
З.	Study of geometric objects will cor	ne under the category of
	a) Surveying	b) Cartography
	c) Surface geometry	d) Topology
4.	Which type of data set is/are in GIS	S related software's?
	a) Line	b) Point
_	c) Polygon	d) All the above
5.	By 'spatial data' we mean data that	has
	a) Complex values	b) Positional values
~	c) Decimal values	d) Graphic values
6.	Which of the following data structu	re expensive in terms of technology
	a) Raster	b) Vector
-	c) Can't compare	d) Both A and B
1.	Field survey data can be fall into	
	a) Spatial data	b) Attribute data
0	c) Both A and B	d) None of the above
8.	The point data feature can be used	to represent
	a) Location	b) Area
0	c) 3D area	d) Volume
9.	what are the two general data form	ats usedin GIS?
	a) vector and raster	b) Points and lines
10	c) Features and attributes	d) Digital and paper maps
10.	The polygonal data feature uses whi	ch of the following data format?
	a) Scientific character	b) Math
	c) Character	d) Integer
11	. Expand the GIS	
	a)Geographic information system	b) Geodetic information source
	c) Geometry information system	d) all of the above
12.	GIS represents a location in	dimensional coordinates.
	a) 2	b) 3
	c) 4	d) 5
13.	Which of the following are the appl	lications of web mapping?
	a) Google maps	b) Bing maps
	c) Open street Maps	d) All the above
14.	Which of the following doesn't dete	ermine the capability of GIS?
	a) Defining a map	b) Representing cartographic factor
	c) Retrieving data	d) Transforming data
	cy retrie ving data	u) transferring data

- 15. Which of the following acts a benefit of GIS?
 - a) Maintaining geo spatial data
 - c) Accurate data information
- 16. Mapmakers use GIS to
 - a) Store geographic information
 - c) View geographic information
- 17. The information in GIS is entered and stored
 - a) Panels
 - b) Single panel
- 18. The user can use GIS to make
 - a) Complex analyses only
 - c) Complex analyses and display maps
- 19. Raster graphic in GIS represents data in _
 - a) Circular
 - c) Square
- 20. Do GIS represent a non-existing object?
 - a)Yes
 - c) Maybe

- b) Data sharing
- d) Presence of data retrieval service
- b) Use geographic information
- d) Store, use and view geographic information
- d b) Layers
- d) Dual panel
- b) Display maps only
- d) None of these
- ____ grid of pixels.
- b) Rectangular
- d) All the above
- b) No



Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Geographic Information System (GIS)

ATTENDANCE SHEETS

			04-03-2024	05-03-2024	06-03-2024	07-03-2024	08-03-2024	09-03-2024	11-03-2024	F202-20-21
CN J			Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Monday	Tuesday
0.1.0	KOII NO.	Name of the Student	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	Sion	Sion
-	20241A0101	AADHI SRIKAR RAO	d	G	a	0	0	1	190	- TEIC
2	20241A0103	BACCHUGUDAM RITHVIK REDDY	0	0	U	0		5	50	20
e	20241A0104	BANDLA NAVEEN	e	6	4	-	5 •	JE	4	2
4	20241A0105	B.PRANAV SAI	d,	0	e	«	a		7.	31
5	20241A0106	BHATTU SUPREETH CHAKRAVARTHY	e		e	6		\$	4	2,0
9	20241A0107	BHUPATHIRAJU HIMANTHAVARMA		50	50	- 4	6 (50	25	2
7	20241A0108	BOINI HEMANTH	50	0	6	50	50	÷		6
8	20241A0109	CHALLA AJAY KUMAR	0	e	6	6	10	20	50	20
6	20241A0110	DONABOINA SRI HARI	Ø	0		0		کرد ا	5	
10	20241A0111	EPPA ARNAV	0	d	51	A	2	2.6	2	
11	20241A0112	G L N RAGHURAMAN	V	0	6	0	a	20	-	
12	20241A0113	GANDLA HARSHITH KUMAR	D	4		-0	~	2		1
13	20241A0114	GUGGILLA SHASHANK	9	5	0	G	2	9	5 4	50
14	20241A0115	GUNDA SRIKANTH	9	0	e	9	4	0	a	0
15	20241A0116	JANGILI SRAVAN KUMAR	6	d	0	e	0	¢	6	
16	20241A0117	JANJIRALA SRUTHI	.4	-8	*	50		Ø	d	10
17	20241A0118	JARAPULA JAYANTH	0	0	0	6	0		- C	~
18	20241A0119	K NIKHITHA	8	0	0	d	0	5 (20	f c
19	20241A0121	K.KONDAL	0	d	0	6	4	50		
20	20241A0122	KAMMAMPATI UDAYKIRAN	0	C	0	4	50	50	19	30
21	20241A0123	KARNE SRITHAN	0	d	0	6	9	A	0	20
22	20241A0124	KUNCHALA VARUN KUMAR	6	6	e	d	8	C	0	50
23	20241A0125	KUNTA NITHIN REDDY	\$	6	0	-5	0	c	0	Lu la
24	20241A0126	M PAVAN KALYAN	8	9	e	0	~	56	(7 0
25	20241A0127	MERE MAHESH	d	a	C	0	50	d	4	
26	20241A0128	MOHAMMED AHMED	.0	d	0	Ø	9	2		ta
27	20241A0129	MOTHUKURI LAXMAN	d	d	~	4	2	0	20	2
28	20241A0130	MOTTADI ADITYA TEJA	•	-0	٥	8	0	a	K	

			100 CO 10	100 00 20	06-03-2024	07-03-2024	08-03-2024	09-03-2024	11-03-2024	12-03-2024
			6707-00-60	+707-C0-C0		Thursday	Friday	Saturday	Monday	Tuesday
			Monday	Tuesday	Weanesaay	fine mit	Cian	Sion	Sign.	Sign.
S. No	Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign.	-ugic	11410	0	0
29	20241A0131	MULA SUSHMA SRI	0	9	~	v	6.	2	te	A
06	20241A0132	NAYINI SWETHA	0	K	d	1	2		20	10
8	20201202	P SAI KIRAN REDDY	L'	d	Ľ	đ	á	0	2	~~~
	2024140134		0	6	a	9	ø	~	8	5
20	2010414202			C	0	9	B	4	d	3
5	20241A0137			C	-	C	4	a	0,	e
34	20241A0138				40	5	6	6	~	4
35	20241A0139	PULLAGURA SANTHOSH	6	2	4	20	-	C	0	9
36	20241A0140	RACHALA BHARATH	2	8	-	7			C	X
37	20241A0142	RAMAVATH ROJA	ð	٨	9	4	2	30	4	
38	20241A0143	RATHLAVATH SAIRAM NAYAK	2	۵	حاد	~	6	e de la competition de la comp	2	2
39	20241A0144	RAVI TEJA PASUNUTHI	2	8	2		~		50	-e
40	20241A0146	SADDI SHRIANK REDDY	4	P	d	٩	2	0	2	÷¢
41	20241A0147	SATHVIKA NARLA	A	41	0	5		S	4	4
42	20241A0148	SOKKULA KOUSHIKREDDY	9	0	5	1	5	2		the second secon
43	20241A0149	SRIRAM PANDAVULA	3	6	(4		N.	2	10
44	20241A0150	T.BHARGAVI	S	9	0	5		2	4	
45	20241A0151	T.BHUVANESHWARI	٩	2	1	50	10			te
46	20241A0152	S.TEJA RETIESH REDDY	d,	, 0	2	2	2	6	0	A
47	20241A0153	TEJAVATH KALYANI	A	3	0	-	2	0	C.	C
48	20241A0154	TELLAPURAM PRUDHVI RAJ	d	G	ß	2	~	××		50
49	20241A0155	THADEM ROHITH	9			-00	((c.	7.0	6	4
50	20241A0156	THUMMALA RAJASHEKAR	3	26	5	20	-	< 0	Ģ	1
51	20241A0157	UVSGR KAMESWARA SAI KARTHIK	>				20	9		50
52	20241A0158	SREERAM VATTEM	9	Ś		Se	sa	2.	50	se
53	20241A0159	V VIKESH	22	4	>		q	60	20	10
54	20241A0160	VENNAM SRIKAR	6	_	25	5	2	20	2 (-
22	21245A0101	GUMADAVELLI ARUN KUMAR		5		2 6	60	2.6	50	20
56	21245A0102	KADIRABAD SRIRAM	2	2		0		5		-
57	21245A0103	MANIKONDA NIKITHA	9	20	2 4	50	-	,	0	200
58	21245A0104	PARIDULA PRATHYUSHA		3-	5	1		+ 0		0
59	21245A0105	PATERU MOUNA	.6	6	3	_	2	5	8	

0

Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizaunpet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Geographic Information System-GIS

ATTENDANCE SHEETS

			13-03-2024	14-03-2024	15-03-2024	16-03-2024	18-01-2024	19-01-2024	20-01-2024	21-01-2024
all and a second second second second second second second second second second second second second second se			Wednesday	Thursday	Friday	Saturday	Monday	Thesday	Wednesday	Thursday
21	Koll No.	Name of the Student	Sign.	Sign.	Sien.	Slen.	Sien.	Slen.	Slen	
-	20241A0101	AADHI SRIKAR RAO	G	Ø	ł	Q	0	0		Q
63	20241A0103	BACCHUGUDAM RITHVIK REDDY	C	0	30	0	4	0	6	q
67	20241A0104	RANDLA NAVEEN	A	90	0	0	0	2	e	00
4	2024140105	R. PRANAV SAI	C	6	G	20	4	50	0	4
6	20241A0106	BHATTU SUPREETH CHAKRAVARTHY	4	A	0	0	0	N.C.	e	
0	20241A0107	RHUPATHIRAJU HIMANTHAVARMA	C	G	0	0	e	0	4	A
~	2024140108	ROINI HEMANTH	~	1	c	Ģ	20	0	e	
B	20241A0109	CHALLA AJAY KUMAR	d	U	0	S	e	rel 1	0	a
6	2024140110	DONABOINA SRI HARI	A	0	-6	0				
10	2024140111	EPPA ARNAV	6	G	d	a	9	V	0	4
=	2024140112	G L N RAGHURANAN	A	Ą	-0	9	d		d	*
12	2024140113	GANDLA HARSHITH KUMAR	0	0	0	0	6	B	0,	0
13	2024140114	QUQQILLA SHASHANK	.O	c	e	U		e.	C.	di di
14	2024140115	GUNDA SHIKANTH	R.	B	G	7	50	G	,d	.0
13	2024140116	JANGILI SHAVAN KUMAR	ų	6	0	e	e	9	2	.0
16	2110814202	JANJIRALA SRUTHI	e	.0	0	P	6	0	0	× Ca
17	2024140118	JARAPULA JAYANTH	0	۵	0	0	C	a	6	e,
18	6110P16202	K NIKHTHA	d	0	A	A	0	-	9	
19	3024140121	K KONDAL	Ö	J	C	V	Z	; ;-	6	3
64	20241A0122	KAMMAANPATI UDAYKIRAN	¢,	0	1	0	0	4	3	0
81	F610614505	KARNE SRITHAN	Ċ	d	el	G	5.0	ø	A	B
SI SI	F010814002	KUNCHALA VARUN KUMAR	2	4	q	9	U.	c	()	5
Bit	5010016000	KUNTA NITHIN REDDY	0	5	0	0	U	9	5	2
R	301341A0126	M PAVAN KALYAN	C	5	P	0		(1)	3	1.00
99	1010114000	NERE NAMESH	6		0	C.	G	9	13	- 50
89	2024140128	MOHAMMED ANMED	0	ġ	D.	2	0	1	R	
27	90341A0129	MOTHURADILLAXMAN	Ø	3	-	Charles and the second	Q1	50	.0	(A)
44	0610016505	MOTTADI ADITVA TEJA	re-	0	10	0	0	0	20	6
			13-03-2024	14-03-2024	15-03-2024	16-03-2024	18-03-2024	19-03-2024	20-03-2024	21-03-2024
-------	------------	-----------------------------	------------	------------	------------	------------	------------	----------------	------------	------------
Ì			Wednesday	Thursday	Friday	Saturday	Monday	Tuesday	Wednesday	Thursday
S. No	Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.	
29	20241A0131	MULA SUSHMA SRI	9	G	ď	¢	9	Q	6	9
30	20241A0132	NAYINI SWETHA	6	- 6		6	C	6	×	~
31	20241A0134	P.SAI KIRAN REDDY	G	E	C	8	0	×	A	Q
32	20241A0136	PATHLAVATH SHIVA NAYAK	9	G	E	0	0	C	a	a
33	20241A0137	PEDDIBOINA ANUSHA	C	Ć	G	A	6	U U	8	C
34	20241A0138	POREDDY ABHINAV REDDY	E	20	É	0	6	, c	~	0
35	20241A0139	PULLAGURA SANTHOSH	A	0	6	6	5 0	4	Q	a
36	20241A0140	RACHALA BHARATH	0/	Q	A	4	4	P		Q
37	20241A0142	RAMAVATH ROJA	a	6	d	C	G	E	C	4
38	20241A0143	RATHLAVATH SAIRAM NAYAK	9	0	01	(Ju	¢ I	d	e	4
39	20241A0144	RAVI TEJA PASUNUTHI	S	3	9	6	Ø	8	0	6
40	20241A0146	SADDI SHRIANK REDDY		9	A.	5	10	G	15	a
41	20241A0147	SATHVIKA NARLA	d'	E	ß	d	A	S.	6	0
42	20241A0148	SOKKULA KOUSHIKREDDY	6	A	8	e	9	a	0	9
43	20241A0149	SRIRAM PANDAVULA	6	đ	6	\$	d	Q	Q	a
44	20241A0150	T.BHARGAVI	d	0	4	0	٥,	4	a	S
45	20241A0151	T.BHUVANESHWARI	d	4	A	1	d,	, d	di	A
46	20241A0152	S.TEJA RETIESH REDDY	Q	8	¢	D'	Q	9	d	d
47	20241A0153	TEJAVATH KALYANI	B	.d	4	ď,	10	di	Ø	dir
48	20241A0154	TELLAPURAM PRUDHVI RAJ	Я	0	B	Ą	S	Ņ	Q	K
49	20241A0155	THADEM ROHITH	D.	G	X	d,	N	p.	q	0
50	20241A0156	THUMMALA RAJASHEKAR	0	Ø	9	S	Ċ,	¢	Ģ	
51	20241A0157	UVSGR KAMESWARA SAI KARTHIK	6	þ	0	d.	9	O ₁	di	\$
52	20241A0158	SREERAM VATTEM	Q	-6	£	6	A	9	5	d
53	20241A0159	V VIKESH	d	8	A	Ø	d	Q	S	5
54	20241A0160	VENNAM SRIKAR	d	2	8	2	9	5	2	K
55	21245A0101	GUMADAVELLI ARUN KUMAR	6	0	6		5	Ø	Q	A
56	21245A0102	KADIRABAD SRIRAM	0	0	9		0	2	d	G
57	21245A0103	MANIKONDA NIKITHA	d,	4	0	d	a	æ	d	8
58	21245A0104	PARIDULA PRATHYUSHA	6	C	0	B	0	S	κ'	8
59	21245A0105	PATERU MOUNA	5	8	2	0	2	9	Ð	6



GRIET/6C/G/23-24

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET					
Department	Civil Engine	ering	Professiona	d Body	Instit Body	utional
Nature of the Event (Co & Extra Curricular Activities-Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Bodyevents/Preventation/Conf erence/ Industry Visit)	Value Add	ed Course				
Title / Theme of the Event	Geographic	Information S	System (GIS)		
Details of the Coordinator& Designation	Convenor Dr. G V V Saty Professor & HO Coordinators 1. Mr. Rathod Assistant P 2. Mr.C.Vivel Assistant P	anarayana, DD, CE, GRIET I Ravinder rofessor, CE, GR & Kumar rofessor, CE, GR	UET UET			
Event Dates/Days	From	То	No. of Days			
Dient Dutts Dujs	04/03/2024	21/03/2024	15			
Details of the Speaker / Guest Organization Address:	1. Mr. Rat 2. Mr. C.	thod Ravinder, A Vivek Kumar, A	ssistant Profess	sor, CE, GR sor, CE, GR	JET IET	
Participants	No. of Faculty	No. of UG students	No.of PG Students	No.of out participa	side nts	Total Participants
(Teaching Faculty / Non- Teaching Faculty / Students)	-	59	-	-		59
Faculty Names & Designation	-					

Summary of the Event	A Geographic Information System (GIS) is a framework for gathering, managing, and analyzing data rooted in the science of geography. GIS integrates many types of data and is used to analyze spatial locations and organize layers of information into visualizations using maps and 3D scenes. With this unique capability, GIS reveals deeper insights into data, such as patterns, relationships, and situations—helping users make smarter decisions. Some of the application seen for various departments such as Urban Planning, Environmental Management, Transportation, Agriculture, Public Health. GIS continues to evolve with advancements in technology, such as the integration of artificial intelligence (AI) and machine learning, cloud computing, and the Internet of Things (IoT), expanding its capabilities and applications across various fields.
Deposited A/C no A/C name and date and other details (enclose proof-A/C	NIL
statement)	
Expenditure (in rupees)	NIL
(Enclose proof-bills)	
POs attained with this Event (number and description)	 e. Use modern engineering tools such as CAD and GIS for the Civil Engineering practice. f. Understand the impact of engineering solutions in a global, economic and societal context. g. Understand the effect of Civil Engineering solutions on environment and to demonstrate the need for sustainable development. h. Understanding of professional and ethical responsibility. k. Demonstrate the management principles in Civil Engineering projects. l. Recognize the need for and an ability to engage in life-long learning.



Photographs of the event (Hard copy and Soft copy)

1



Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,

Yes

- Signature of Coordinators 1. Mr. Rathod Ravinder Assistant Professor, CE, GRIET.
- Mr.C. Vivek Kumar Assistant Professor, CE, GRIET

1vett

Signature of Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET.





-

- 0 00





has friend on . Canadilly in the shirt from different and a SPACE STATIONS Ammunicipus Burkisten - MIR MITLAL UT a h 3 of case is And a proper date provide by another of a second se SATTEUTES Corres could be defined action a defined to SUPERINES AND SPACE STUDIES PLATFORMS 1 WY MUTURA CAN Find to exceeding
 Find to exceeding Mart. · Creations and · BASING ICBAN 2 SUNDAUMAN SUMANNAN IS A Ches 1. GROUND BORNE A SPACE BOANE PINESSSS 2. AIR BORNE

11



Spatial Spatial Resolution Resolution tadiometric Resolution aterretionship	The measure of smallest angular are incore separation between two objects that can be reached by the senses. that can be reached by the senses. Statistical and the sense of the sense is the optimater and NOLLOFTOR 1.1.1.0.1 and and the sense of the sense is the optimater and Refers to the hand with and the sense of the sense is the optimater and Refers to the and optimated is the sense is the optimater and Refers to the and optimated is the sense of the optimater and Refers to the and optimated is the sense of the sense of the optimater and Refers to the and optimate is an object is the sense of the optimater and Refers to the and optimate is an object is the sense of the sense from the scene of means in recorded. IRS JCTID BAVE (Reg. LEQUID 1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.1.0.1.
Temporal Resolution	Refers to the frequency of redictions of texa as the third interest tension repetitive exercises of an area. It is visal for exercisery through the part Los UCD post frequencies (100 million) and the statistical frequencies of the Los of the tracks area to a strength strength of the strength of the

Non Image Forming - Spectrometers, Radlometer IRAMW, Laser ranger A sensor is a device comprising of optical component or system and a detector with electronic circuitry that will be used to record the reflected and/or emitted energy from Possive 6 Measure reliected, milled more f - I. Photographic Camera : O 4. The Microwave R. -0 J. The Optical Scan -> ACINE Image Forming various objects SENSORS

Allide Ortani Tempora Baruto No Orbanet and Barbi Ortana Price Persodiam Anual Neglos mandam dan ka Vener Anam (daya) 11 11 REMOTE SENSING SATELLITES AND SENSORS 12 111 1 12.4 11 -]: -5 11 A here. All and see it 1 33 101 ł 1 11 111 2 1 ł 14 211 ł 1 i 1 1 Â l ì â ź 1 8 Landest 446 (1962/1964) [14,04,040111,1,1,1048 IRS 1A/18, (1986/1991) IRS 1C/10 (1994/1997) (Landsal 7 (Proposed) (Peoplera) SAN TOP2 Name / character ST-S MON



m

INDIAN IMAGING CAPABILITY

























DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/1C/G/23-24

28 November 2023

From, Dr GVV Satyanarayana Professor & HOD Civil Engineering Dept

To The Principal, GRIET, Hyderabad.

Subject: Value Added Course on **Building Planning and Orientation** - Reg.,

Sir,

With reference to the above subject, we the Department of Civil Engineering introduce Value Added Course on "<u>Building Planning and Orientation</u>", for <u>II-year B. Tech Civil</u> Engineering. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

10/ 28-11-23

Dr.GVV Satyanarayana Professor & HOD Civil Engineering Dept Generation GRAN 8005 Generation GRAN 8005

Principal



Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering Timetable for Value Added Course AY: 2023-24 (I-Semester)

	•		w.e.f : 04th Decem	ber to 21th December 2023
Day	08:50am – 11:20am	11:20am - 12:00pm	12:00pm – 02:30pm	2:30pm-4:30pm
Monday	Regular Classwork		Regular Classwork	VAC- BPO
Tuesday	Regular Classwork		Regular Classwork	VAC- BPO
Wednesday	Regular Classwork	LUNCH	Regular Classwork	VAC- BPO
Thursday	Regular Classwork	BREAK	Regular Classwork	VAC- BPO
Friday	Regular Classwork		Regular Classwork	VAC- BPO
Saturday	Regular Classwork		Regular Classwork	VAC- BPO

Sub. Code	Sub. Short form	Subject	Speaker Name
68232 8005	VAC – BPO	Building Planning and Orientation	 Dr.GVV Satyanarayana Emp ID: 841 Civil Dept. C Vivek Kumar Emp ID: 1500 Civil Dept.

HOD-CE 2811.23

One Credit Course

Course Title : Building Planning and Orientation

Total Number of Lecture Hours : 30

Course Objective: The objective of the course is to equip the student with building planning and orientation by drawing skills using AUTOCAD software.

Course Outline: The students are made to understand the real time applications in the building orientation with the help of basic requirements of building like sun path, direction, ventilation, lighting, coordination of spatial requirements in all aspects. Also, it is useful to make them to understand and draw in the drafting software AutoCAD to enhance the drawing skills.

- 1. Practice Sessions Conducted in AutoCAD.
- 2. Regular assignments and quizzes are also conducted.

Syllabus:

- 1. Introduction of Building Orientation, Factors affecting Orientation of buildings, Availability of space for efficient design, planning, and internal layout.
- 2. Goals for Building Orientation, Thermal Radiation and Direction, Humidity, Wind Direction, Rainfall, Neighborhood Conditions.
- 3. Development of a Layout plan using the VAASTHU.
- 4. Orientation of Rooms, Dimensions, Directions, Minimum Spacing requirements, Effective utilization of spacing guidelines.
- 5. Basic guidelines in building planning, Components of buildings, Different types of Drafting Software in Civil Engineering, Units and Unit Conversion,
- 6. Introduction to AutoCAD, Advantages and Uses in the Civil Engg. Applications, 2D and 3D Drawings. Isometric and Orthogonal Views
- 7. AutoCAD Commands and its definitions
- 8. Hands on Training with simple drawings.
- 9. Orientation of Building spaces in the layout of a plot
- 10. Hands on Training with using 2D drawings in the given Plot.
- 11. Planning of a residential building plan (1BHK)
- 12. Planning of a residential building plan (2BHK). Section and Elevation

Session Plan

Session1: Introduction of Building Orientation,

Session2: Factors affecting Orientation of buildings.

Session 3: Availability of space for efficient design, planning, and internal layout.

Session 4: Availability of space for efficient design, planning, and internal layout

Session 5: Goals for Building Orientation, Thermal Radiation and Direction

Session 6: , Humidity, Wind Direction

Session 7:, Rainfall, Neighborhood Conditions.

Session 8: Orientation for Thermal Needs,

- Session 9: Orientation for Visual Needs
- Session 10: Orientation for Ventilation
- Session 11: Development of a Layout plan using the VAASTHU.
- Session 12: Development of a Layout plan using the VAASTHU.
- Session 13: Basic guidelines in building planning, Components of buildings
- Session 14: Orientation of Rooms, Dimensions,
- Session 15: Directions, Minimum Spacing requirements,
- Session 16: Effective utilization of spacing guidelines
- Session 17: Different Drafting Software in Civil Engineering, Units and Unit Conversion,
- Session 18: Introduction to AutoCAD, Advantages and Uses in the Civil Engg.
- Session 19: Applications, 2D and 3D Drawings. Isometric and Orthogonal Views
- Session 20: AutoCAD Commands and its definitions
- Session 21: Hands on Training with simple drawings.
- Session 22: Orientation of Building spaces in the layout of a plot
- Session 23: Practice session on Orientation of Building spaces in the layout of a plot
- Session 24: Hands on Training with using 2D drawings in the given Plot.
- Session 25: Hands on Training with using 2D drawings in the given Plot.
- Session 26: Planning of a residential building plan (1BHK)
- Session 27: Planning of a residential building plan (1BHK)
- Session 28: Planning of a residential building plan (2BHK).

Session 29: Planning of a residential building plan (2BHK).

Session 30: Section and Elevation

Targeted Audience :

1. B. Tech (Civil) II Year Students

Resource Persons

- 1. Dr.GVV Satyanarayana, Professor and HOD, Civil Engg. Dept, GRIET.
- 2. C Vivek Kumar, Assistant Professor Civil Engg. Dept, GRIET

About Value Added Course

Building planning and orientation refer to the process of strategically designing and positioning buildings within a site to optimize factors such as sunlight, ventilation, views, energy efficiency, and overall functionality. Before designing a building, architects and planners conduct a comprehensive site analysis to understand the site's characteristics, including topography, soil conditions, climate, vegetation, and surrounding built environment.

Program Development: This phase involves defining the project's goals, requirements, and constraints. Architects work closely with clients to understand their needs, budget, timeline, and functional requirements for the building.



Course Contents

Building Orientation, Factors affecting Orientation of buildings, Availability of space for efficient design, planning, and internal layout, Goals for Building Orientation, Thermal Radiation and Direction, Humidity, Wind Direction, Rainfall, Neighbourhood Conditions, Thermal Needs, Visual Needs, Orientation for Ventilation VAASTHU and Planning

Development of a Layout plan using the VAASTHU, Basic guidelines in building planning, Components of buildings, Orientation of Rooms, Dimensions, Directions, Minimum Spacing requirements, Effective utilization of spacing guidelines,

AutoCAD

Introduction to AutoCAD, Advantages and Uses in the Civil Engg, Applications, 2D and 3D Drawings. Isometric and Orthogonal Views, AutoCAD Commands and its definitions, Hands on Training with simple drawings, Orientation of Building spaces in the layout of a plot, Hands on Training with using 2D drawings in the given Plot. Planning of a residential building plan (1BHK and 2BHK)

Section and Elevation.

Registration

There is **NO** Registration Fee for the Value-Added Course on "Structural Health Monitoring (SHM) – Applications and Case Studies"

Expected Outcome:

This course will help students to learn the basic concepts of Building Planning and Orientation to extend the learning to projects in the practical implications in Civil engineering domain.

Important Dates

Receipt of Registrations : 02-12-2023 VAC Duration :

> 4th December to 21st December 2023 (Daily 3pm to 5pm)



Gokaraju Rangaraju Institute of Engineering and Technology

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is known for its innovative teaching practices.

The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Presently GRIET has 9 UG and 6 PG programs. The college is NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, AI&ML, DS are new programs. The institute is accredited by NAAC with 'A++' grade.

Department of Civil Engineering

The Department of Civil Engineering is established in the year 2008, with an intake of 60 students. It is a fast-growing discipline in tune with the infrastructure growth.

The department has master's program in Structural Engineering, established in the year 2014 with an intake of 18 students which is further increased to 30 students from the academic year 2017. The department has well equipped laboratories with an emphasis on practical skills and fundamentals. The Department has well experienced and talented faculty which includes nine doctorates.

Patrons Dr. Jandhyala N. Murthy, Director, GRIET

Dr. J. Praveen, Principal, GRIET

Dr. K. V. S. Raju, Senior Administrative officer, GRIET

Convenor

Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET

Coordinators

1. Mr. C Vivek Kumar Assistant Professor, CE, GRIET

2. Ms. K. Hemalatha Assistant Professor, CE, GRIET

Resource Persons

- 1. Dr. GVV Satyanarayana Professor & Head, CE, GRIET
- 2. Mr. C Vivek Kumar Assistant Professor, CE, GRIET

Value Added Course on Building Planning and Orientation (4th December to 21st December 2023)

Organized by Department of Civil Engineering



Gokaraju Rangaraju

Institute of Engineering and Technology (Autonomous) Bachupally, Hyderabad, Telangana. India-500090 Office: 7207344440, 7207714441 www.griet.ac.in

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Value-Added Course on Building Planning and Orientation

LIST OF REGISTERED PARTICIPANTS

S.No	Reg No	Student Name
1	22241A0101	ANDELA NANDU YADAV
2	22241A0102	BANOTH MANASA
3	22241A0103	BHUKYA NAVEEN
4	22241A0104	BODDU MANOJ
5	22241A0105	BOINA RAMA KRISHNA
6	22241A0106	BUNARI SANJAY
7	22241A0107	CHINTAMALLA VARUN KUMAR
8	22241A0108	DHEERAVATH BALAJI
9	22241A0109	GAJJELLI VINAY KUMAR
10	22241A0110	GANGAPURAM YUVRAJ
11	22241A0111	GANJAYEE MADHAVI
12	22241A0112	GUNTI GOUTHAM
13	22241A0113	HARIJANA MURALI
14	22241A0114	JADI AKSHARA
15	22241A0115	JARUPLA AJAY
16	22241A0116	KANAGALA SANDEEP
17	22241A0119	KOTTAM SHIVA PRIYA
18	22241A0120	KUNCHALA ADHISESHU
19	22241A0121	KUNCHALA VENKATA SAI
20	22241A0122	MANDHA MADHAVI
21	22241A0123	MEDGALKER SAKETH
22	22241A0124	MEKALA KEERTHANA
23	22241A0125	MEKALA MUKESH
24	22241A0127	N NITHIN JYOTHIR KUMAR
25	22241A0128	NENAVATH SHIVA
26	22241A0130	R SWAMY MANIKANTA
27	22241A0131	REDAPANGU SWAPNA
28	22241A0132	SANKOJU AKSHAY KUMAR
29	22241A0134	SIDDAPURAM KALGUTI SAI TEJA
30	22241A0135	SONGA SAI KIRAN

31	22241A0136	SURITI AJAY KUMAR
32	22241A0137	TANUKU NAGA SAITARUN
33	22241A0138	UDAY TEJA KUCHIPUDI
34	22241A0139	VADAPARTHI INDU SATISH KUMAR
35	22241A0140	VADDE ANIL KUMAR
36	22241A0141	VENKATA NITIN BATTULA
37	23245A0102	BONAGIRI SHIVA PRASAD
38	23245A0103	CHETLAPALLY SUPRAJA
39	23245A0104	DANDU SHERYEL ANSHIKA
40	23245A0105	ERIGELA NIHARSHA
41	23245A0106	GAJAVELLY HARSHAVARDHAN
42	23245A0108	GURRAM ESHWAR
43	23245A0109	JANGILI RAVI KUMAR
44	23245A0110	JUKURU PRASANNA
45	23245A0111	JUPAKA ARANYA
46	23245A0112	KORADALA VENKAT
47	23245A0113	MOHAMMED ASHREEN SANIYA
48	23245A0114	N APURVA
49	23245A0115	PINAPAKA VYSHNAVI
50	23245A0116	PITTALA PRANAY KUMAR
51	23245A0117	RANGINENI MEGHANA
52	23245A0118	SAI GANESH
53	23245A0120	SRI VARDHAN PASUNURI
54	23245A0121	SRIRAMOJU ANUDEEP
55	23245A0122	TAMPA CHANDANA
56	23245A0123	UDDANDAM ANU SREE
57	23245A0124	VARALA SANTHOSH KUMAR

.

.

Gokaraju Rangaraju Institute of Engineering & Technology Bachupally, Nizampet Road, Kukatpally, Hyderabad-500090 B.Tech Civil Engg. II Yr-II Sem- Section A- GR22 2023 -24 Value Added Course on Building Planning and Orientation 04th December to 21th December 2023

S.No	Roll Number	Student Name	4.12.23	5.12.23	6.12.23	7.12.23	8.12.23	11.12.23	12.12.23	13.12.23
1	22241A0101	ANDELA NANDU YADAV	Ander	AiNanda	A. wonder	A-Nandy	A. Nande	A. Nondy	A randy	N. Nandy
2	22241A0102	BANOTH MANASA	Rinad	RAD	B.Mar	BiMen	Bittab	B-Made	Bingon	B. May
3	22241A0103	BHUKYA NAVEEN	B. Naveen	RNaven	P. Noveen	Billover	BiHaveen	Antaveen	B. Naven	Brower
4	22241A0104	BODDU MANOJ	B manoj	Branoj	B. Manoj	B mono)	(B Mano)	B. Monoj	mangi	manag
5	22241A0105	BOINA RAMA KRISHNA	Rand	Rans	Planz	Rare	Romat	Ranak	Hande	Pariton
0	22241A0106	BUNARI SANJAY	B. Sayloy	B. Sanjes	B.soyoy	Biseyes	B-sayay	B-senjay	B.Sonjey	B. sayo
7	22241A0107	CHINTAMALLA VARUN KUMAR	h. closer	chillon	decas	chiceson	children	duceson	dellore	dillor
8	22241A0108	DHEERAVATH BALAJI							0	10 1
9	22241A0109	GAJJELLI VINAY KUMAR	aytra	ANS	poly	poth	Auges	astro	Kryb	Angle.
10	22241A0110	GANGAPURAM YUVRAJ	Chury	Juj	ynnj	Juj	guy	your	yu	yung
11	22241A0111	GANJAYEE MADHAVI	Sady	Mady	Madly	Made	Mady	Mady	rady	Xbd.r
12	22241A0112	GUNTI GOUTHAM	12	a	a	dis	an	de	on	0-
13	22241A0113	HARIJANA MURALI	wurd	anti	munds	murti	aunt	Sunti	mun (i	De un de
14	22241A0114	JADI AKSHARA	A-	A	A	A	A	A	A	-
15	22241A0115	JARUPLA AJAY	1.1.1	1	· · ·					
16	22241A0116	KANAGALA SANDEEP	sady	Sandy	Sardep	Endop	Sandop	Sartap	Endy	Shulop
17	22241A0118	KOLAPAKA VAMSHIKRISHNA		/						
18	22241A0119	KOTTAM SHIVA PRIYA	Perya	paye	posyx	portyn	priva	Voige	ways	popp
19	22241A0120	KUNCHALA ADHISESHU	h. AL	- Wet	het	ha	LPC	K.p	K 12	
20	22241A0121	KUNCHALA VENKATA SAI	Aff	H	Rif	HE	Hit	17	A.	
21	¹ 22241A0122	MANDHA MADHAVI	Qì	Qj	as	(0)	CI	CI j	Ce j	OL
22	22241A0123	MEDGALKER SAKETH	×.3					16 14	the state	Sloudda D.
23	22241A0124	MEKALA KEERTHANA	M. Kut	n. Lut	m. Auth	N- Lutter	n-Kurtha	N. hurry	M. Forge	N. March
24	22241A0125	MEKALA MUKESH	hady	hereby	ensy	henst	fresh	heary	angl	Luch
25	22241A0126	NALLAMETLA YASHWANTH	X~	12m	Xn	m	MM-	Y~~	fr	m
26	22241A0127	N NITHIN JYOTHIR KUMAR	Nulitta	N.J.th	allit	1.1.7	North	Nonlight	Nonlitte	-1. lith
27	22241A0128	NENAVATH SHIVA	Normie	M Blin	~ Miglion	Millin	N-Shir	Meliva	M.Shir	Nillin
28	22241A0129	POLAGANI MOHIT								
29	22241A0130	R SWAMY MANIKANTA	inf	1sol	M	M	det	AS	KH	Ky
30	22241A0131	REDAPANGU SWAPNA	Signe	- Snoppo	Shapn	supri	suppre	Suapre	sup	dupni
31	22241A0132	SANKOJU AKSHAY KUMAR		1						
32	22241A0133	SHANIGARAPU ARA VIND		10	0.1	0.1	(D) VI -	0 -1 -	Q-1:	Q.T.
33	22241A0134	S KALGUTI SAI TEJA	Bastic	Bartero	Cofin	Cofin	· Cafere	· Barthe	- Bortoja	- Cofine
34	22241A0135	SONGA SAI KIRAN	Sailia	1 Sailing	1 Sali King	1 Libu	Saikerag	Sachila	Jaikin	hipar
26	2224140136	SUBITI AJAY KUMAR	Any	Aw	Any	Ann	1 km	Hype	Ayr	+ Am

80. 22241 A0119 LANI ALU NAUA SAITARUN Jump												
86 223414013 ENRIGUE TOA KUCHURUD Imm Imm <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>0</th><th></th><th>•</th><th>-</th></t<>									0		•	-
86 222414013 LANUKU NAUA SAITARUN Lanu Lanu Lanu Lanu Lanu Lanu Lanu Lanu Lanu Lanu Lanu 11 222414013 UNAY TIDA KICHPUDB Lanu Lanu Lanu Lanu Lanu<				~	0	0	\bigcirc	ſ	\mathcal{D}	C	P	-
19 22214018 UDAY FIJA KUNHPUM Quark Quark <th>30</th> <th>22241A0137</th> <th>TANUKU NAGA SAITARUN</th> <th>lim</th> <th>In</th> <th>hann</th> <th>Thin</th> <th>Jun</th> <th>Tar</th> <th>am</th> <th>theme</th> <th>-</th>	30	22241A0137	TANUKU NAGA SAITARUN	lim	In	hann	Thin	Jun	Tar	am	theme	-
4 2224140179 V SATISHI KUMAR 2 224140140 VANN ANN KUMAR 4 2224140140 VANN ANN KUMAR 4 2224140140 VANN ANN KUMAR 4 2224140140 VANN ANN KUMAR 4 222440101 VEXALA NITH BATTULA 4 222440101 VEXALA NITH BATULA 4 222440101 VEXALA NITH BATULA 4 222440101 VEXALA NITH BATULA 5 2044014 VEXALA NITH BATULA 5 2044014 VEXALA NITH BATULA 6 204007 Pavan 6 204007 Pavan 6 204007 Pavan 6 204007 Pavan 7 2044014 VEXALA NITH BATULA 7 20440105 VERTLA NITHARSHA 7 20440105 VERTLA NITHARSHA 7 20440105 VERTLA NITHAR 7 20440105 VERTLA NITHAR 7 20440105 VERTLA NITHARSHA	37	22241A0138	UDAY TEJA KUCHIPUDI									
99 22211A0H0 VAINU AND AND AND AND AND AND AND AND AND AND	18	22241A0139	V SATISH KUMAR	QV	2N	SIN	ar	QN	8/2	81×	81	
 2214141 VENATA NUMA RADIA 222444000 REAL SUNA PRAVA NUMAR RUDDY 222444000 REAL SUNA PRAVA NUMAR RUDDY 222444000 REAL SUNA PRAVA NUMAR 222444000 REAL SUNA RUMAR 222444000 REAL SUNA RUMAR 222444000 RULLA KUMAR 22244400 RULLA KUMAR	39	22241A0140	VADDE ANIL KUMAR	Vacult	V. Auit	N. Auil	Y. duil	Valuil	N. Quil	V. Auil	N.Auil	
41 22244.0101 IPAA NA KUMAR REDDY PaVan Pava	40	22241A0141	VENKATA NITIN BATTULA									
 2224440102 JENANDER NILVA PRASAD 2224440102 CHETLAPALLY SUPRALA 2224440103 CHETLAPALLY SUPRALA 2224440103 CHETLAPALLY SUPRALA 2224440103 CHETLAPALLY SUPRALA 2224440103 CHETLAPALLY SUPRALA 2224440103 CHETLAPALLY SUPRALA 2224440103 CHARTELANSHIKA 2224440113 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANYA 224444011 LIPAKA ARANY	41	23245A0101	B PAVAN KUMAR REDDY	Pavan	Pavan	Pavan	Parkin	Pavan	Pavar	Pavar	Pavar	
 224440103 (HETLAPALLY SUPRAJA SUPPA) SUPPA	42	23245A0102	BONAGIRI SHIVA PRASAD	B. Shhapes	18.Shiva	B.Shiva	Bishing	Bishina	Bishing	Bishing	Bshing	
44 23245A0104 DANDU'SHERVEL ANSHIKA Anshilan	43	23243A0103	CHETLAPALLY SUPRAJA	Supra	supraya	Supraja	Supraja	Supraja	suproja	supraja	supraja	
 21245A0105 I'BIGELA NIHARSHA 21245A0106 GAJAVELLY HARSHAVARDHAN 21245A0106 GAJAVELLY HARSHAVARDHAN 21245A0107 GAULA KIRAN 21245A0107 GAULA KIRAN 21245A0108 GURRAM ESHWAR 21245A0108 GURRAM ESHWAR 21245A0109 JANGILLRAVI KUMAR 21245A0101 JUKURU PRASANNA 21245A0110 JUKURU PRASANNA 21245A0111 JUPAKA ARANYA 21245A0112 KORADALA VENKAT 21245A0113 MOHAMMED ASHREEN SANIYA 21245A0114 N APURVA 21245A0115 PINAPAKA VYSHNAVI 21245A0115 PINAPAKA YYSHNAVI 21245A0116 PITALA PRANAY KUMAR 21245A0117 RANGINENI MEGHANA 21245A0117 RANGINENI MEGHANA 21245A0118 SAIGANSH YUMAR 21245A0118 SAIGANSH YUMAR 21245A0119 SANGI SANJAY KUMAR 21245A0119 SANGI SANJA	44	23.5454.0104	DANDU SHERYEL ANSHIKA	Anshila	Anshala	Anshika	Anshiles	Anshilca	-Anshiler	Anshike	-Anshiler	
 2015A0108 GAJAVELLY HARSHAVARDHAN 2014AKIRAN 2014AKIRANANA 2014AKIRANANANA 2014AKIRANANANA 2014AKIRANANANANA 2014AKIRANANANANANA 2014AKIRANANANANANANA 2014AKIRANANANANANANANANANANANANANANANANANANAN	45	23345A0105	ERIGELA NIHARSHA	E. north	Nihaela	whereft	Nhow	Nihozel	Nhoem	Nihods	nonas	eh-
47 23245A0107 GAULA KIRAN 48 23245A0108 GURAM ESHWAR 49 23245A0109 JANGILI RAVI KUMAR 50 23245A0110 JUKURU PRASANNA 51 23245A0110 JUKURU PRASANNA 51 23245A0110 JUKURU PRASANNA 51 23245A0111 JUPAKA ARANYA 51 23245A0111 JUPAKA ARANYA 52 23245A0112 KORADALA VENKAT 52 23245A0112 KORADALA VENKAT 53 23245A0113 MOHAMMED ASHREEN SANIYA 54 23245A0113 MOHAMMED ASHREEN SANIYA 55 23245A0114 NAPURVA 56 23245A0115 PINAPAKA VYSHNAVI 57 23245A0116 PITTALA PRANAY KUMAR 58 23245A0117 RANGINENI MEGHANA 59 23245A0117 RANGINENI MEGHANA 50 23245A0118 SAI GANESH 59 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 51 23245A0119 SANGI SANJAY KUMAR 52 23245A0118 SAI GANESH 53 23245A0118 SAI GANESH 54 23245A0118 SAI GANESH 54 23245A0118 SAI GANESH 54 23245A0118 SAI GANESH 55 23245A0118 SAI GANESH 56 23245A0118 SAI GANESH 56 23245A0118 SAI GANESH 57 23245A0118 SAI GANESH 58 23245A0118 SAI GANESH 59 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 51 23245A0119 SANGI SANJAY KUMAR 52 23245A0120 SRI VARDHAN PASUNURI 53 23245A0120 SRI VARDHAN PASUNURI 54 23245A0121 SRIRAMOJU ANUDEEP 54 AND SANGI SANJAY KUMAR 55 23245A0121 SRIRAMOJU ANUDEEP 54 AND SANGI SANJAY KUMAR 55 23245A0122 TAMPA CHANDANA 56 23245A0123 UDDANDAM ANU SREE 57 40407 SANJAY KUMAR 58 23245A0124 VARALA SANTHOSH KUMAR 59 3245A0124 VARALA SANTHOSH KUMAR 50 32245A0124 VARALA SANTHOSH KUMAR 50 3245A0125 VOLLEM MANJUSHA 50 3245A0125 VOLLEM MANJUSHA 50 32245A0125 VOLLEM MANJUSHA 50 3245A0125 VOLLEM MANJUSHA 50 3245A	40	23245A0106	GAJAVELLY HARSHAVARDHAN	and	Euch	Goff	Q 21	any	Comp	auges	amp	
48 23245A0108 GURRAM ESHWAR 49 23245A0109 JANGILI RAVI KUMAR 40 23245A0109 JANGILI RAVI KUMAR 40 23245A0110 JUKURU PRASANNA 51 23245A0110 JUKURU PRASANNA 51 23245A0110 JUKURU PRASANNA 51 23245A0111 JUPAKA ARANYA 52 23245A0112 KORADALA VENKAT 53 23245A0112 KORADALA VENKAT 54 23245A0113 MOHAMMED ASHREEN SANIYA 54 23245A0113 MOHAMMED ASHREEN SANIYA 55 23245A0115 PINAPAKA VYSHNAVI 55 23245A0115 PINAPAKA VYSHNAVI 56 23245A0116 PITTALA PRANAY KUMAR 57 23245A0117 RANGINENI MEGHANA 58 23245A0117 RANGINENI MEGHANA 59 23245A0118 SAI GANESH 59 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0118 SAI GANESH 50 23245A0119 SANGI SANJAY KUMAR 50 23245A0119 SANGI SANJAY KUMAR 52 23245A0119 SANGI SANJAY KUMAR 53 23245A0119 SANGI SANJAY KUMAR 54 23245A0120 SRI VARDHAN PASUNURI 55 23245A0120 SRI VARDHAN PASUNURI 56 23245A0121 SRIRAMOJU ANUDEEP 57 32345A0117 RANGI VUMAR 58 23245A0121 SRIRAMOJU ANUDEEP 59 3245A0120 SRI VARDHAN PASUNURI 50 23245A0121 SRIRAMOJU ANUDEEP 50 404 MILLION SANJAY KUMAR 50 23245A0121 SRIRAMOJU ANUDEEP 50 404 MILLION SANJAY KUMAR 50 23245A0121 VARDHAN PASUNURI 51 23245A0122 VOLLEM MANJUSHA 52 23245A0123 VOLLEM MANJUSHA 59 3245A0124 VARALA SANTHOSH KUMAR 50 32245A0125 VOLLEM MANJUSHA 50 3245A0125 VOLLEM MANJUSHA 5	.47	23245A0107	GAJULA KIRAN	June .	fue.	fur	fin	fin.	fory.	from	finy.	
 23245A0109 JANGILI RAVI KUMAR 23245A0110 JUKURU PRASANNA 23245A0110 JUKURU PRASANNA 23245A0110 JUKURU PRASANNA 23245A0110 JUKURU PRASANNA 23245A0111 JUPAKA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYAMUA ARANYA AYA	48	23245A0108	GURRAM ESHWAR	G=+	6==+	Gel	G=	6.3	GZD	G=	G=	
 23245A0110 JUKURU PRASANNA JANNA TANA TANA TANA TANA TANA TANA TANA	19	23245A0109	JANGILI RAVI KUMAR	price	004	per	Der	Ruy	R	pol	Wit	ļ
51 23245A0111 JUPAKA ARANYA J. AYANYA A TANYA J. AYANYA J. A	50	23245A0110	JUKURU PRASANNA	J. Provan.	J pravar	J. Rixon	7 Prasa	Palance	J-Prasame	Jpasan	J-Pracons	
 23245A0112 KORADALA VENKAT 23245A0112 KORADALA VENKAT 23245A0113 MOHAMMED ASHREEN SANIYA 23245A0114 NAPURVA 23245A0114 NAPURVA 23245A0115 PINAPAKA VYSHNAVI 23245A0115 PINAPAKA VYSHNAVI 23245A0116 PITTALA PRANAY KUMAR 23245A0116 PITTALA PRANAY KUMAR 23245A0117 RANGINENI MEGHANA 23245A0118 SAI GANESH 23245A0119 SANGI SANJAY KUMAR 23245A0120 SRI VARDHAN PASUNURI 440 Marting Sangi Sanjay Sangi	- 51	23245A0111	JUPAKA ARANYA	J. Arana	a Arany	J. Araner	J- Avan	JJ- Aran	J. Arranya	J-Arcely	J-Archy	
 23245A0113 MOHAMMED ASHREEN SANIYA 23245A0114 NAPURVA 23245A0114 NAPURVA 23245A0114 NAPURVA 23245A0115 PINAPAKA VYSHNAVI 23245A0115 PINAPAKA VYSHNAVI 23245A0116 PITTALA PRANAY KUMAR 23245A0116 PITTALA PRANAY KUMAR 23245A0117 RANGINENI MEGHANA 23245A0118 SAI GANESH 23245A0119 SANGI SANJAY KUMAR 23245A0119 SANGI SANJAY KUMAR 23245A0119 SANGI SANJAY KUMAR 23245A0120 SRI VARDHAN PASUNURI 23245A0121 SRIRAMOJU ANUDEEP 23245A0121 SRIRAMOJU ANUDEEP 23245A0122 TAMPA CHANDANA 23245A0123 UDDANDAM ANU SREE 23245A0123 UDDANDAM ANU SREE 23245A0123 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245A0125 VOLLEM MANJUSHA 23245	-52	23245A0112	KORADALA VENKAT	kovenled	h.venca	Kivenkat	Rvenco	fr.venkat	Kivenkat	to vertical	K.venka	
54 23245A0114 N APURVA Structure <	53	23245A0113	MOHAMMED ASHREEN SANIYA	H Annen	old schere	MA Aghaen	radahare	rad Armon	tad scheer	MdiAhae	Ugd Adece	
 23245A0115 PINAPAKA VYSHNAVI 23245A0116 PITTALA PRANAY KUMAR 23245A0116 PITTALA PRANAY KUMAR 23245A0117 RANGINENI MEGHANA R. Megrano R. Megran	54	23245A0114	N APURVA	3 mile	Stowne	8 pure	3 prus	Sporne	Stowne	3 pune	3 prime	F 🖤
56 23245A0116 PITTALA PRANAY KUMAR Dane	55	23245A0115	PINAPAKA VYSHNAVI	Vyshnavi	Vyshnavi	Yushnavi	Vyshnavi	Vushnavi	Vyshnavi	Vysbravi	Vissboavi	
57 23245A0117 RANGINENI MEGHANA R. Megnes R. Megnes <th>56</th> <th>23245A0116</th> <th>PITTALA PRANAY KUMAR</th> <th>Dome</th> <th>Bond</th> <th>Brul</th> <th>Resort</th> <th>But</th> <th>Denoral</th> <th>Dime</th> <th>L Provent</th> <th>7</th>	56	23245A0116	PITTALA PRANAY KUMAR	Dome	Bond	Brul	Resort	But	Denoral	Dime	L Provent	7
38 23245A0118 SAI GANESH Rus Rus Rus Rus Rus Rus Rus Rus Rus Rus	57	23245A0117	RANGINENI MEGHANA	R.Megra	RMahan	RMathing	Rinceta	RMaghana	R.Meetana	R.Matan	P. Mechano	
59 23245A0119 SANGI SANJAY KUMAR Storing Storinder Storinder	38	23245A0118	SAI GANESH	RNJ	1SN4	Bhor	Bhr	the	Allor	Bh	Pri	1
60 23245A0120 SRI VARDHAN PASUNURI 61 23245A0121 SRIRAMOJU ANUDEEP 62 23245A0122 TAMPA CHANDANA 63 23245A0123 UDDANDAM ANU SREE 64 23245A0124 VARALA SANTHOSH KUMAR 65 23245A0125 VOLLEM MANJUSHA 66 23245A0125 VOLLEM MANJUSHA 67 MANJUSHA 68 MANJUSHA 69 MANJUSHA 69 MANJUSHA 60 MANJU	59	23245A0119	SANGI SANJAY KUMAR	Silving	Serger	S. Congey	Slanger	S-Songes	S-Sanjay	Same	Slam	1
61 23245A0121 SRIRAMOJU ANUDEEP COANDER COANDER SANDER SAN	60	23245A0120	SRI VARDHAN PASUNURI	AD	(AK)	As	AD	Ab	AD	AD	AK	1
62 23245A0122 TAMPA CHANDANA 63 23245A0123 UDDANDAM ANU SREE 64 23245A0124 VARALA SANTHOSH KUMAR 65 23245A0125 VOLLEM MANJUSHA 66 MANJUSHA 67 MANJUSHA 68 MANJUSHA 69 MANJUSHA 69 MANJUSHA 60 M	61	23245A0121	SRIRAMOJU ANUDEEP	S. Anido	P squedes	5. Amda	Signide	S. Annilles	CANINA	conday	c. medicas	a
63 23245A0123 UDDANDAM ANU SREE 64 23245A0124 VARALA SANTHOSH KUMAR 65 23245A0125 VOLLEM MANJUSHA Manjusha Manjusha M	62	23245A0122	TAMPA CHANDANA	Thendene	7. Carden	T. charden	Redender	1. Verdar	Colondan	5. Chandar	R. Londar	4
64 23245A0124 VARALA SANTHOSH KUMAR Org Buk Buy Save Save Save Save Save Save Save Save	63	23245A0123	UDDANDAM ANU SREE	U:AN	. leitry	t i try.	U.Arg.	UAN	when	uAnl	CU-A.O	
65 23245A0125 VOLLEM MANJUSHA Manjusha Manjusha Manjusha Manjusha Manjusha Manjusha Manjusha Manjusha Manjusha	64	23245A0124	VARALA SANTHOSH KUMAR	Bre	Bish	esq	Sas	Side	Surts	Encli	C IN	-
	65	23245A0125	VOLLEM MANJUSHA	Manjust	na manjush	a Manjusha	Monjush	Manjusto	Monjusho	Manjut	Maniush	

.

•

.

S.no	Roll Number	Student Name	14.12.23	15.12.23	16.12.23	18.12.23	19.12.23	20.12.23	21.12.23
1	22241A0101	ANDELA NANDU YADAV	Awandy	- Nandy	Awards	A.Nandy	A.Nandu	A.Nandy	A round
2	22241A0102	BANOTH MANASA	BARL	BMay	BMar	R Max	B Map	\$ may	& Men
3	22241A0103	BRUKYA NAVEEN	B-Nuren	Rinksten	RiNaren	1 Marcen	Riplanes	R Novien	BiNaveer
4	22241A0104	BODDU MANOJ	(Mano)	monol	mand	Maroj	manoi	Mano,	Monoj
5	22241A0105	BOINA RAMA KRISHNA	Ronak	Rank	Ranik	Rande	Rane	Romate	Rande
0	22241A0106	BUNARI SANJAY	B. Sahay	BSaufy	B. Sonjay	B. Sanfary	Bsanjay	B. Sonfor	B. Saufary
7	22241A0107	CHINTAMALLA VARUN KUMAR	a closer	diver	chr. Voren	a. Veza	h. com	duran	huse
8	22241A0108	DHEERAVATH BALAJI							
9	22241A0109	GAJJELLI VINAY KUMAR	Notes	pitto	ages	anore	anota-	aviste	post.
10	22241A0110	GANGAPURAM YUVRAJ	Juga	Yagi	years	ynnf	ying	yng	yng
11	22241A0111	GANJAYEE MADHAVI	Malut	Nadis	nerdy	Mada	mod-	Mali	the
12	22241A0112	GUNTI GOUTHAM	1-	d	A	0-	0	a	0
13	22241A0113	HARIJANA MURALI	Audi	muchi	Invedi	adunts	munti	Dunk	murh
14	22241A0114	JADI AKSHARA	A,	A	A	A	A	A	A
15	22241A0115	JARUPLA AJAY	,						
16	22241A0116	KANAGALA SANDEEP	Sindap	Sudep	Sandap	Sando	Endy	sond-p	Sale
17	22241A0118	KOLAPAKA VAMSHIKRISHNA			Ì.	a chi			
18	22241A0119	KOTTAM SHIVA PRIYA	priya	prizzi	paiga	parya	paura	prizz	prove
19	22241A0120	KUNCHALA ADHISESHU	"k iPh	4.2	k.Ah	k Alh	6 OL	4.Ash	6 ph
20	22241A0121	KUNCHALA VENKATA SAI	12	fz	Vit	1+	17	lie	ty
21	22241A0122	MANDHA MADHAVI	â	Q1	alie	69.1	di	Cal	Q1
22	22241A0123	MEDGALKER SAKETH	4						
23	22241A0124	MEKALA KEERTHANA	M.Kuth	m. Kauthi	M. Kuth	N. Kuth	N-Karth	14. Kuuth	N-Kall
24	22241A0125	MEKALA MUKESH	Energy	- Gupert	burgy	Groor	lingy	felogh	buch
25	22241A0126	NALLAMETLA YASHWANTH	Mikys	Vin	Verh	Yesy	Ver	Nen	pur
26	22241A0127	N NITHIN JYOTHIR KUMAR	North	Nith.	L'AJ	Not	No. Nist	nl. Nith	, I. AFA
27	22241A0128	NENAVATH SHIVA	Nishing	N.Shin	N.Shier	N-Shiva	N-Shira	Nishing	Noshi
28	22241A0129	POLAGANI MOHIT							
29	22241A0130	R MANIKANTA	mil	me	may	Mais	My	and	May
30	22241A0131	REDAPANGU SWAPNA	Suspe	Supe	Sugni	kunpa	Supp	supe	sug
31	22241A0132	SANKOJU AKSHAY KUMAR							, '
32	22241A0133	SHANIGARAPU ARA VIND		a.	0.1	0.1	0.1	0:	0.1
33	22241A0134	SI KALGUTI SAI TEJA	Batic,	Cafie	Cartino	Cafic	Daifin	Chafz-	Wafy.
34	22241A0135	SONGA SAI KIRAN	Baikia	Selling	KK.	-SK	SK	SK	SK,
35	22241A0136	SURITI AJAY KUMAR	Afr	An	THY	An	Huy	pm	AW
36	22241A0137	TANUKU NAGA SAITARUN							

•

(

(

.

7	22241A0138	UDAY TEJA KUCHIPUDI	1.		1 -		1.0		- A-
8	22241A0139	V INDU SATISH KUMAR	1.84	V-8	N-Sp	V- 8	N.S	VS	V-8-5
10	22241A0140	VADDE ANIL KUMAR	Valuil	Yout	Maril	N Kluit	N Acii)	V.Auil	1 Xui
40	22241A0141	VENKATA NITIN BATTULA							
41	2324540101	BOARI PAVAN KUMAR REDDY	Pavan	Povan	PONATI	Pavan	Pavon	Pavan	Pavar
42	23245A0102	BONAGIRI SHIVA PRASAD	B. Shivo	Bighlia	B.Shlva	Bishiva	Bishiva	Bishiva	13 Shina
43	2324540103	CHRITLAPALLY SUPRAJA							
44	2324440104	DANDU SHERYEL ANSHIKA							
45	23045A0105	ERIGELA NIHARSHA							
45	23243A0106	GAJAVELLY HARSHAVARDHAN	abili	B28	Ber	(Spars)	8024	ADUS	ABUL
41	2324540107	GAJULA KIRAN	duy	Aug-	Au.	Surp	dang.	Any	free.
45	23245A0108	GURRAM ESHWAR	(it)	6.5	1.3	4.31	1.3	6.5	1.3
19	23245A0109	JANGILI RAVI KUMAR	Die	(Pi	L (Pou	1 m	R	o Die	Del
50	23245A0110	JUKURU PRAŠANNA				-USA			
51	23245A0111	JUPAKA ARANYA	T.Aann	AT ALANA	T AKADAN	J. AVAN	Availation	Availa	T Dec.
2	23245A0112	KORADALA VENKAT	1/ wentral	hereit	Ic watch	- Ki verbal	tul	Kink	K. I
53	23245A0113	MOHAMMED ASHREEN SANIYA	Md Ala	Md Alay	Md Aria	Mobelera	Adadure	a Md Arbox	er MA Acho
54	23245A0114	N APURVA							
55	23245A0115	PINAPAKA VYSHNAVI			7	A		:	
56	23245A0116	PITTALA PRANAY KUMAR	D.	Deal	Qui			R	
57	23245A0117	RANGINENI MEGHANA	Sans	The way	1 mg	- Dough	County	19ang	With
58	23245A0118	SAI GANESH	A	AP	A	AL	AL	Ne	
59	23245A0119	SANGI SANJAY KUMAR	Pifange	Scoupe	- S. Conjer	1 C.Com	Silain	RG	
60	23245A0120	SRI VARDHAN PASUNURI	AB	GP		(AR)	(Ad)	CAR)	Cib
61	23245A0121	SRIRAMOJU ANUDEEP	CoAnde	a cuture	Sepreday	e conda	and a	Yelp-	(300)
62	23245A0122	TAMPA CHANDANA	Telardan	a dindar	- ochardan	havelow	S Anual	Simole	1 soprid
63	23245A0123	UDDANDAM ANU SREE	÷ 5 (10	120.	Monto	J.Chamber	Hower
64	23245A0124	VARALA SANTHOSH KUMAR	Dealf	Wen	rait	. E. 1	Paul	P	
65	23245A0125	VOLLEM MANJUSHA	V Sur	024	(cron)	, cere	- Con	Sach	Servely

,

· · · · ·

	Gokaraju Rangaraju Institute of Engine	ering &	Technology
	Bachupally, Nizampet Road, Kukatpally	, Hydera	1bad-500090
	Value-Added Course on Building Plannin	g and Or	ientation
	INTERNAL ASSESSMENT QUEST	'ION PAI	PER
1. In CAD, th	e LIMITS command allows you to determine	the:	
1.	Size of the drawing space.		
2.	Amount of time that is needed to draw the		
3,	Size of the text.		
4.	None of the above		
Answer: Size (of the drawing space.		
2. A uniform p	pattern of dots/lines on the CAD screen is calle	ed a/an	
1.	Snap pattern.	3.	Grid
2.	Reference dot pattern.	4.	All of above
Answer: Grid			
3. What do yo	u mean by AutoCAD?		
1.	Automatic Candidate Address Detection		
2.	Automatic Card Address Direction		
3.	Automatic Computer Active Décor		
4.	Automatic Computer-Aided Design/Drafting		
Answer: Auto	matic Computer-Aided Design/Drafting		
4. What does (CAD in AutoCAD stand for?		
1.	Computer Aided Design	3.	Computer Assignment
2.	Computer Advance Detail		Description
		4.	All of above
Answer: Com	puter Aided Design		
5. Which key	can be used to quickly cancel a command?		
1.	backspace	3.	tab
2.	esc	4.	enter
Answer: esc			
6. What does	UCS means? (In the context of CAD)		
1.	User Coordinate System	3.	United Coordinate
2.	United CAD Software		System
		4.	User CAD Software
Answer: User	Coordinate System		
7. What are th	e characteristics of a Triangle?		
1.	2 sides, 4 angles	3.	4 sides, 3 angles
2.	4 sides, 4 angles	4.	3 sides, 3 angles
Answer: 3 side	es, 3 angles		
8. A command	l used to move the view planar to the screen.		
1.	offset	3.	pan
2.	fillet	4.	dist
Answer: pan			
9. A command	l used to check a distance		
1.	fillet	3.	pan
2.	offset	4.	dist
Answer: dist			
10. What does	s the Offset command do?		

Page | 1

2. Marine shows specified distance		
2. Moves above specified distance		
3. Moves away from specified distant	ce .	
4. none of the above		
Auswer: Moves to specified distance		
11. Where would AutoCAD ask you for someth	ing: 2 Dura	autian Dalatta
1. Tool icolis	3. Prop	erties Palette
2. Command Line	4. 100	lbar
12 This type of triangle has TWO equal sides?		
12. This type of thangle has 1 wO equal sides:	2	1-41
2 Scalana	5. equi	lateral
Answer: Scalene	4. Kign	I
13 In Cartesian coordinate system the	ia vortical	
1 X	18 vertical.	
$2 \times$	5. Z	
Answer: V	4. W	
14 Minor axis and major axis must be specified	in and an to durant o (m)	
1 ellinse	In order to draw a(n)	for
2 line	5. Chan	
Answer: ellipse	4. CIICI	
15. When saving your drawings in Autocad the	default file type is 2	
1 ndf	3 bak	
2 dwg	J. Jak 4. doc	
Answer: dwg	4. 400	
16. What does the command Fillet do?		
1 Straightens an angle		
2. Curves an angle		
3. Deletes an angle		
4. All of above	•	
Answer: Curves an angle		
17. The shortcut command key for UNDO.		
1. CTRL+C	3. CTR	L+CU
2. CTRL+Z	4. CTR	L+CHA
Answer: CTRL+Z		
18. The shortcut command key for TABLE.		
1. TL	3. TN	
2. TE	4. TB	
Answer: TB		
19. This type of triangle has TWO equal sides?		
1. Move	3. Exte	nd
2. Trim	4. Scale	2
Answer: Extend		
20. The command is used to lengthen	a line to meet an edge.	
1. Array	3. Exte	nd
2. Chamfer	4. Rota	te
Answer: Extend		
21. A command used to insert multiline text		
1. units	3. join	
2. trim	4. mtex	it.

Answer: mtext

22. What a phantom line used for?

- 1. To show an alternate position
- 2. To represent a line of symmetry
- 3. To represent an edge not visible
- 4. To eliminate a section of drawing not needed because of size

Answer: To show an alternate position

23. When you type a second point by first moving the cursor to indicate direction and then entering a distance, you are using the ______

- 1. Direct Distance entry technique
 3. Interactive

 2. Relative Polar
 4. Absolute Coordinates
 - Coordinates

Answer: Direct Distance entry technique

24. Which CAD command enlarges or reduces selected of	bjects proportionally in the X, Y,	
and Z directions from a base point?		

1. Stretch3. Array2. Divide4. Scale

Answer: Scale

25. Which CAD command creates multiple copies of objects in a circular or rectangular pattern?

1.	Array	3.	Chamfer
2.	Extend	4.	Rotate

Answer: Array

26. The command provides length of an object but does not place a dimension line on drawing?

1.	Annotate			3.	Baseline
2.	Leader	•		4.	Distance

Answer: Distance

27. CAD commands such as LINE, CIRCLE, and ARC are examples of

- 1. Modify commands3. Draw commands.2. Edit commands4. None of the above
- Answer: Draw commands.

28. How many AutoCAD OBJECTS are in a rectangle?

1. One3. Four2. Two4. None of above

Answer: One

29. Which CAD command creates multiple copies of objects in a pattern?

- 1. Rotate3. none of the above
- 2. Array

4. Extend

Answer: Array

30. When a layer is turned off____

- 1. It makes no real difference. Details can still be added to the layer
- 2. Details on the layer cannot be seen
- 3. File space is saved when saving the file
- 4. Details cannot be erased from the layer

Answer: Details on the layer cannot be seen

31. CAD stands for_

- 1. computer aided driving
- 2. computers and drawing

- 3. computer aided design
- 4. cats and dogs

3. Line

4. Pattern

Answer: computer aided design

32. The ______ tool is used to fill in an object with color/pattern design.

1. Arc

- 2. Hatch
- Answer: Hatch

33. What a break line used for?

1. To show an alternate position

- 2. To represent an edge not visible
- 3. To represent a line of symmetry
- 4. To eliminate a section of drawing not needed because of size

Answer: To eliminate a section of drawing not needed because of size

34. The origin of a drawing is ALWAYS at

- 1. 0,0
- 2. The first point you select

Answer: 0,0

35. Polar coordinates are used mostly for drawing

- 1. Arcs
 - 2. Circles
 - 3. Angled lines

Answer: Vertical and Horizontal Straight Lines

36. The ______ command will adjust the display so that all objects in the drawing are displayed to be as large as possible.

- 1. Pan
- 2. Circle

3. Zoom All 4. Orbit

Answer: Zoom All

37. What is the difference between command Plot and Print?

- 1. print command can print up to A3 size paper
- 2. plot command prints only big plans
- 3. The plot command for CNC (CAM
- 4. No difference

Answer: No difference

38. From which direction does AutoCAD start measuring angles?

1. 6 o'clock 2. 9 o'clock

- 3. 3 o'clock
- 4. 12 o'clock

Answer: 3 o'clock

39. With the Multiline Text editor, you can do all of the following, except.

- 1. Create fields such as date, time and author
- 2. Insert numbered and bulleted lists
- 3. Insert pictures
- 4. Insert specific drafting and engineering symbols

Answer: Insert pictures

40. How many points do you need to define for the rectangle command?

- 3. One 1. Two
- 2. Four 4. None

Answer: Two

- Straight Lines

3. A random point in space

- 4. Vertical and Horizontal

4. UCS ICON

Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous)

Bachupally, Nizampet Road, Kukatpally, Hyderabad-500090 Value-Added Course on Building Planning and Orientation Internal Assessment Score

S. No	Roll No.	Name of the Student	Score (30)
1	22241A0101	ANDELA NANDU YADAV	22
2	22241A0102	BANOTH MANASA	23
3	22241A0103	BHUKYA NAVEEN	18
4	22241A0104	BODDU MANOJ	16
5	22241A0105	BOINA RAMA KRISHNA	20
6	22241A0106	BUNARI SANJAY	18
7	22241A0107	CHINTAMALLA VARUN KUMAR	24
8	22241A0108	DHEERAVATH BALAJI	21
9	22241A0109	GAJJELLI VINAY KUMAR	25
10	22241A0110	GANGAPURAM YUVRAJ	26
11	22241A0111	GANJAYEE MADHAVI	20
12	22241A0112	GUNTI GOUTHAM	24
13	22241A0113	HARIJANA MURALI	26
14	22241A0114	JADI AKSHARA	20
15	22241A0115	JARUPLA AJAY	26
16	22241A0116	KANAGALA SANDEEP	20
17	22241A0119	KOTTAM SHIVA PRIYA	28
18	22241A0120	KUNCHALA ADHISESHU	20
19	22241A0121	KUNCHALA VENKATA SAI	22
20	22241A0122	MANDHA MADHAVI	24
21	22241A0123	MEDGALKER SAKETH	18
22	22241A0124	MEKALA KEERTHANA	24
23	22241A0125	MEKALA MUKESH	15
24	22241A0127	N NITHIN JYOTHIR KUMAR	16
25	22241A0128	NENAVATH SHIVA	19
26	22241A0130	R SWAMY MANIKANTA	24
27	22241A0131	REDAPANGU SWAPNA	24
28	22241A0132	SANKOJU AKSHAY KUMAR	26
29	22241A0134	SIDDAPURAM KALGUTI SAI TEJA	19

			1
30	22241A0135	SONGA SAI KIRAN	19
31	22241A0136	SURITI AJAY KUMAR	16
32	22241A0137	TANUKU NAGA SAITARUN	17
33	22241A0138	UDAY TEJA KUCHIPUDI	25
34	22241A0139	VADAPARTHI INDU SATISH KUMAR	22
35	22241A0140	VADDE ANIL KUMAR	24
36	22241A0141	VENKATA NITIN BATTULA	18
37	23245A0102	BONAGIRI SHIVA PRASAD	23
38	23245A0103	CHETLAPALLY SUPRAJA	21
39	23245A0104	DANDU SHERYEL ANSHIKA	20
40	23245A0105	ERIGELA NIHARSHA	25
41	23245A0106	GAJAVELLY HARSHAVARDHAN	24
42	23245A0108	GURRAM ESHWAR	23
43	23245A0109	JANGILI RAVI KUMAR	24
44	23245A0110	JUKURU PRASANNA	28
45	23245A0111	JUPAKA ARANYA	26
46	23245A0112	KORADALA VENKAT	27
47	23245A0113	MOHAMMED ASHREEN SANIYA	26
48	23245A0114	N APURVA	27
49	23245A0115	PINAPAKA VYSHNAVI	24
50	23245A0116	PITTALA PRANAY KUMAR	20
51	23245A0117	RANGINENI MEGHANA	25
52	23245A0118	SAI GANESH	24
53	23245A0120	SRI VARDHAN PASUNURI	26
54	23245A0121	SRIRAMOJU ANUDEEP	20
55	23245A0122	TAMPA CHANDANA	24
56	23245A0123	UDDANDAM ANU SREE	25
57	23245A0124	VARALA SANTHOSH KUMAR	25
58	23245A0125	VOLLEM MANJUSHA	27

GRIET/6C/G/23-24

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET					
Department	Civil Engineering Professional Body Institution Body					
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Added Course					
Title / Theme of the Event	BUILDING P	BUILDING PLANNING AND ORIENTATION				
Details of the Coordinator& Designation	Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET Coordinators 1. Mr. C Vivek Kumar Assistant Professor, CE, GRIET 2. Ms. K. Hemalatha Assistant Professor, CE, GRIET					
Event Dates/Days	From	To	No. of Days			
Details of the Speaker / Guest Organization Address:	Dr. G V V Satyanarayana, Professor & Head, CE, GRIET Mr. C Vivek Kumar Assistant Professor, CE, GRIET					
Participants (Teaching Faculty / Non-	No. of Faculty	No. of UG students	No. of PG Students	No. of outs participan	ide Total ts Participants	
Teaching Faculty / Students)	-	55	-	-	55	
Faculty Names & Designation			-			

Summary of the Event	Building Planning and Orientation program in AutoCAD typically involves several key steps and tasks. Starting by introducing participants to the AutoCAD software, its interface, tools, and basic functions. Teaching to students about the fundamentals of building planning, including architectural design principles, space utilization, building codes, and regulations. Guiding the students through setting up a new drawing in AutoCAD, including setting units, scales, and drawing limits. Demonstration on creating the floor plans using AutoCAD, including drawing walls, doors, windows, and other architectural elements. Emphasize accuracy, scale, and dimensioning. Teaching students about site planning and orientation, including how to import site maps or survey data into AutoCAD, analyze sun paths for optimal orientation, and integrate landscaping elements. Providing the best practices, tips, and shortcuts for efficient building planning and orientation workflows in AutoCAD. Throughout the program, encourage hands-on practice and provide exercises and projects for participants to apply their skills. Additionally, incorporate discussions on industry trends, sustainability considerations, and emerging technologies in building planning and design.
IRG (in rupees)	
Deposited A/C no A/C name and date and other details (enclose proof-A/C statement)	NIL
Expenditure (in rupees) (Enclose proof-bills)	NIL
POs attained with this Event (number and description)	b. Analyse problem and interpret the data.c. Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints.d. Identify, formulate, analyse, and interpret data to solve Civil Engineering problems.j. Work effectively as an individual or in a team and to function on multi-disciplinary context.
Photographs of the event (Hard copy and Soft copy)	

Signature of Coordinators

- 1. Mr. C Vivek Kumar Assistant Professor, CE, GRIET.
- 2. Ms. K. Hemalatha Assistant Professor, CE, GRIET

12.

Signature of Convenor Dr. G V V Satyanarayana, Professor & HOD, CE, GRIET.

Hyderabad, 20-03-2024.

To

The Principal GRIET, Bachupally.

> Subject : Autodesk – Revit Architecture Certification course for Civil Engineering Students

Respected Sir,

In the view of Centre for Excellence in the Department of Civil Engineering, we are planning for Autodesk – Revit Architecture Certification course in Department of Civil Engineering. Kindly give permission for Centre of Excellence and guide us in Financial Aspects. As per the discussion with Team CANTER CADD INDIA Private Limited, an amount of ₹2500 (Rupees Two thousand Five Hundred Rupees Only) per student in a total of 50 Students are required to run the course.

Thanking You,

Deau Tige Plocenul Kinaly action as per policy for core Enaucher for core Enaucher for core Junthy 293/24

Yours Faithfully, Hod - Civil

(Dr. G.V.V. Satyanarayana) PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Engineering and Technology Bachupally, Kukatpally, Hyderabad-500 090


CANTER CADD INDIA PVT. LTD.

Date: 16-03-2024

To, GRIET COLLEGE Dr.G V V Satyanarayana HOD Civil Department

Subject: Proposal for Software Training on Revit Architecture Workshop

This is with reference to the discussion we had with you regarding the training on Revit Architecture software. In continuation to the same, we are pleased to submit our best offer for the above training.

Hope our offer would be in line with your requirement.

We strongly believe that you will get the best value for money for the Training you get from CANTER CADD.

Thanking you once again for your interest and looking forward to receive your valuable order.

Best Regards,

Venkata Ramana Mobile No: 8919478021

Enclosures: Company Profile Proposal – Terms & Conditions.



CANTER CADD INDIA PVT. LTD.

COMPANY PROFILE

We would like to introduce ourselves as CANTERCADD. We commenced our operations in 2004 with focus on CAD training. Today we are proud to say that we are the Excellent CAD training Institution, having 18 Center sins Hyderabad over all 100centers across India. We have the privilege of training over 2,60,000 engineers and 200+ corporate houses from various industries.

The only one of its kind, CANTERCADD, to its credit has achieved many milestones and successively too. The Centre enjoys its status of the market leader in CAD education. We offer top of the line international quality training. Our training programs are comprehensive and are structured in a way that will impart industry specific skills to executives from different industries. The executives are encouraged to work on their own projects during the training program to make it more interacting, interesting, and useful.

Computer Aided Design (CAD) using AutoCAD, Catia v5, Creo, SolidWorks.

Finite Element Analysis (FEA) using Ansys workbench, Hyper mesh.

Project Management: Primavera and Microsoft Project

We offer following training programs on CAD / CAE that caters to the needs of the various disciplines of engineering like Mechanical, Civil, Architectural and Electrical. The training services offered by CANTERCADD ensure the following:

- a. international quality course material
- b. A learners Exercise book

c. An internationally recognized Certificate

d. Life time online technical support

At CANTERCADD, training is not a onetime phenomenon. It is the start of continuous learning process.

Quality & Customer Satisfaction Cell of CANTERCADD offers post-training support to customers to keep them updated on the latest trends of the industry, and to help them solve CAD related problem in their daily routine.

CANTER CADD INDIA PVT. LTD.

:

:

:

:

:

PROPOSAL:

Course on Venue Software Using Faculties Course Material Course Timing: Course Date Certificate

Revit Architecture Workshop AT COLLEGE **Revit Architecture** Expert faculties provided by CANTER CADD. One set of Reference Material

ER CADD

Mutually Convenient Time Mutually Convenient Date.

: :

Test & certificate

COURSE FEE

Course	Duration	Actual Fee	Fee at your Place per individual	Min. Number of students
Revit Architecture	48 HRS	8900	Rs.2000	120
Revit Architecture	48 HRS	8900	Rs.2500	60

Inclusive of Service Tax.

HIGHLIGHTS OF CANTER CADD TRAINING:

Autodesk Authorized Training Centre in Hyderabad.

Lifetime Online Technical Support: We provide lifetime online technical support to all our customers through our forum.

Internationally Recognized Certificate:

On successful completion of the course, candidates are eligible for CANTERCADD certificate, which is recognized in more than 90 countries.

World Class Detailed Courseware:

One set of CANTERCADD courseware will be given to each individual.



DEPARTMENT OF CIVIL ENGINEERING

Ref No: GRIET/CE/IC/G/23-24

11th April 2024

То

The Principal,

GRIET,

Hyderabad.

Subject: Value Added Course on "Autodesk – Revit Architecture", Regd.

Respected Sir,

With reference to the above subject, we the Department of Civil Engineering introducing Value Added Course on "Autodesk – Revit Architecture" In association with Canter CADD India Pvt Ltd for III B. Tech Civil Engineering Students. Certificates will be awarded to all students who clear both Internal and External examination. The examination pattern is 30 marks for Internal Examination and 70 marks for External Examination. Kindly provide the subject code for the proposed Value-Added Course. Timetable and syllabus are enclosed below.

Thanks & Regards

J. Permean

Principal

201 11.4.14 ngineering and Technology Bachupally, Kukatpally, Regulation, GR2D. Hyderabad-500 000 Regulation, Gode: N. Hyderabad-500 000 Code: N. PROFESSORCIVILE Engineering Dept Gokaralu Rangaraju Institut Department of Civi Engineering and Technology



Gokaraju Rangaraju Institute of Engineering and Technology Department of Civil Engineering

Timetable for Value Added Course AY: 2023-24

		wef:1	8 th April to 24 th April 2024
Day	09:00am - 12:00nm	12:00pm -1:00pm	1:00pm – 04:00pm
Day			
18-04-2024	VAC-Revit		VAC-Revit
Thursday	VAC-Revit		
19-04-2024	VAC Dovit		VAC-Revit
Friday	VAC-Revit		
20-04-2024	VAC Devit		VAC-Revit
Saturday	VAC-Revit	LUNCH	
22-04-2024	VAC Devit	Horiton	VAC-Revit
Monday	VAC-Revit		
23-04-2024	NAC Durit		VAC-Revit
Tuesday	VAC-Revit		
24-04-2024			VAC-Revit
Wednesday	VAC-Revit		

Sub. Code	Sub. Short form	Subject	Speaker Name
GR23V 8020	VAC-Revit	Autodesk – Revit Architecture	 Speakers from Canter CADD India Pvt Ltd Lahari Priya, Training Manger. Venkata Ramana, Manager. Poojitha, Civil CADD Facilitator. Nagaraju, Civil CADD Facilitator.

PROFESSOR AND HEAD Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Bachubally, Kukatbally. Hyderawad-500 090

One Credit Course

Course Title : Autodesk – Revit Architecture

Total Number of Lecture Hours : 36

Course Content:

- 1. Introduction to Autodesk Revit Architecture
- 2. Starting an Architectural Project
- 3. Creating Walls
- 4. Using Basic Building Components-I
- 5. Using the Editing Tools
- 6. Working with Datum Planes and Creating Standard Views
- 7. Using Basic Building Components-II
- 8. Using Basic Building Components-III
- 9. Adding Site Features
- 10. Using Massing Tools
- 11. Adding Annotations and Dimensions
- 12. Creating Project Details and Schedules
- 13. Creating Drawing Sheets, and Plotting
- 14. Creating 3D Views
- 15. Rendering Views and Creating Walkthroughs
- 16. Advanced Features in Autodesk Revit Architecture

Targeted Audience :

1. B. Tech (Civil) III Year Students

Resource Persons

- 1. Lahari Priya, Training Manger.
- 2. Venkata Ramana, Manager.
- 3. Poojitha, Civil CADD Facilitator.
- 4. Nagaraju, Civil CADD Facilitator.

Autodesk - Revit Architecture Institute of Engineering and Technology Department of Civil Engineering **Jokaraju Rangaraju** Office: 7207344440, 7207714441 Value Added Course (18th April to 24th April 2024) Telangana. India-500090 Bachupally, Hyderabad, www.griet.ac.in In Association with (Autonomous) CANTER CADD ISO 9001:2015 Certified Organized by U0 Speakers from Canter CADD India Pvt Ltd Senior Administrative officer, GRIET Assistant Professor, CE, GRIET. Assistant Professor, CE, GRIET. Assistant Professor, CE, GRIET Professor & HOD, CE, GRIET Civil CADD Facilitator. Civil CADD Facilitator. Mr. Venkata Ramana, Dr. G V V Satyanarayana, Dr. Jandhyala N. Murthy, Mr. C Vivek Kumar **Resource Persons** 1. Mr. Akula Prakash 1. Ms. Lahari Priya, Mr. A. Vittalaiah Training Manger. Mr. Nagaraju, Ms. Poojitha, Coordinators Dr. K. V. S. Raju, Principal, GRIET Director, GRIET Dr. J. Praveen, Manager. Convenor Patrons č. 4 3. i practical skills and fundamentals. The further increased to 30 students from the equipped laboratories with an emphasis on Department has well experienced and talented The Department of Civil Engineering is established in the year 2008, with an intake of 2014 with an intake of 18 students which is academic year 2017. The department has well 60 students. It is a fast-growing discipline in The department has master's program in Structural Engineering, established in the year NBA accredited in CE, CSE, ECE, EEE, IT, and ME. CSBS, Al&ML, DS are new programs. The institute is accredited by NAAC with The mission of GRIET is to achieve and impart has 9 UG and 6 PG programs. The college is AICTE, New Delhi, permanently affiliated to and autonomous under JNTUH, Hyderabad. GRIET is committed to quality education and is quality education with an emphasis on practical skills and social relevance. Presently GRIET by Dr. G Gangaraju as a self-financed institute under the aegis of Gokaraju Rangaraju Educational Society. GRIET is approved by Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is established in 1997 Institute of Engineering and Technology ((@)) Gokaraju Rangaraju known for its innovative teaching practices. **Department of Civil Engineering** faculty which includes nine doctorates. tune with the infrastructure growth. A++' grade.

No.



Gokaraju Rangaraju Institute of Engineering & Technology

(Autonomous) Bachupally, Nizampet Road, Kukatpally, Ilyderabad-500009 Department of Civil Engineering Value-Added Course on Autodesk - REVIT Architecture

LIST OF REGISTERED PARTICIPANTS

S. No	Roll No	Name of Student	Mobile Number	E-mail ID
1	2124140102	AGAM MALLIK AR IUN	8688811699	mallikarjun21241a0102@grietcollege.com
2	21241A0102	ASALLA SALKUMAR	9381775938	saikumar21241a0105@grietcollege.com
3	21241A0105		6309776356	vishnu21241a0106@grietcollege.com
4	21241A0100	BSWATHI	7989179736	swathi21241a0107@grietcollege.com
5	21241A0107	BACHA TOSHITH	9121945473	toshith21241a0108@grietcollege.com
6	21241A0103	BANOTH VAMSHI NAIK	6301378062	vamshi21241a0111@grietcollege.com
7	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	9573349697	hema21241a0112@grietcollege.com
8	21241A0112	CHENNAM LOHITHA RAMA NAGA	8074671005	lohitha21241A0114@grietcollege.com
0	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	8169653825	saikaran21241a0115@grietcollege.com
10	21241A0116	CHITAKOILA SHRUTHI	9014440517	Shruthi21241a0116@grietcollege.com
	21241A0117	DEEPATI VINAY KUMAR	9121951584	vinay21241A0117@greitcollege.com
12	21241A0119	DURGAM SURAJ	9347335010	surajladdu8@gmail.com
12	21241A0120	GEEDIGINIALA DHANRAJ	9182361780	dhanraj21241a0120@grietcollege.com
13	21241A0120	GUDALA NITISH KUMAR	9701904911	nitish21241a0121@grietcollege.com
14	21241A0121	LADHAV SIKINDAR	9014417844	sikindar21241a0122@grietcollege.com
15	21241A0122		8143700943	jessica21241a0125@grietcollege.com
10	21241A0125	K ANUSHA	6281862250	kokkeraanusha23@gmail.com
17	21241A0120	KANDI E SWAPNIL	9392733426	Swapnil21241a0128@grietcollege.com
18	21241A0120		6304437213	kamaluddin21241a0130@grietcollege.com
19	21241A0130	KODAKANDI A LOKESH	9603240671	lokesh21241a0131@grietcollege.com
20	21241A013	KUPPALA NAGA NARENDRA	9392401378	narendra21241a0132@grietcollege.com
21	21241A013		7989914210	Chaitanyakutchrlapati@gmail.com
22	21241A013	MANDA RAGHUVARDHAN	9666630055	raghuvardhan21241a0135@grietcollege.com
23	21241A013		9121443052	gouthammm196@gmail.com
24	21241A013	R OLETI DHANA LAXMI VARMA	6304239841	oletivarma2002@gmail.com
25	21241A013	OPSUKARTHIK	9100534133	karthik21241a0139@grietcollege.com
26	21241A013		9701360090	rohith21241a0142@grietcollege.com
27	21241A014	2 PENTAMIKONITI	8897240512	nagesh21241a0143@grietcollege.com
28	21241A014	Z SAMA SHASHIDAR REDDY	8125417679	shashidar21241a0147@grietcollege.com
29	21241A014	A SPEE CHARAN KANNAM	8008983457	sreecharan21241a0149@grietcollege.com
30	21241A014	2 VANKUDOTH USHA	8074695720	usha21241a0153@grietcollege.com
31	21241A015	AKINA RAKSHITH	8897974659	rakshith22245a0101@grietcollege.com
32	22245A010	ANDEA NARSHIMA	6300554650	sushmaanagani003@gmail.com
33	22245A010		9398053897	afsana22245a0103@grietcollege.com
34	22245A010	AFSANA	9603409339	akshitha22245a0104@grietcollege.com
35	22245A010	4 DEEKONDA AKSIIITAA	8688150400	saibhanvitha22245a0105@grietcollege.com
36	22245A010	5 GANAPURAM SALDIMATIN	8106124732	abhishek22245a0106@grietcollege.com
37	22245A010	6 GURRAM ABHISTICK	8688469603	rushikesh22245a0107@grietcollege.com
38	22245A010	17 J RUSHIKESH	7032693025	jangamrajeshwari881@gmail.com
39	22245A010	18 JANGAM KAJESHWAR	8688415521	vasu22245a0109@grietcollege.com
40	22245A010	9 JANGAPELLI VASU	7794872776	bhavesh22245a0111@grietcollege.com
4	22245A01	II NEELI BHAVESH	9959414178	murari22245a0112@grietcollege.com
4:	2 22245A01	12 NANDI SKINIVASA SALMOIGUU	9014455496	rickynandigam@gmail.com
4	3 22245A01	13 VIGNAN NANDIGAM	8500600183	Orsuajaykumar29@gmail.com
4	4 22245A01	14 ORSU AJAYKUMAR	9059542604	raju22245a0115@grietcollege.com
4	5 22245A01	15 RAJU MADHUKAR		

Cordinatus 1 day 2) De

PROFESSOR AND HEAD PROFESSOR AND HEAD Department of Civil Engineering Gokaralu Rangaraju Institute of Engineering and Technology Engineering and Technology Rachunally, Kukatpally, Bachupally, Kukalpally, Mineenng ang lechnolog



GRIET/6C/G/23-24

EVENT SUMMARY REPORT

Griet /Other institutes/Organization Address:	GRIET				ditutional
Department	Civil Engine	ering	Professional	Body B	ody
Nature of the Event (Co & Extra Curricular Activities -Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/ Conference/ Industry Visit)	Value Add	ed Course			
Title / Theme of the Event	Autodesk - F	Revit Architect	ure		
Details of the Coordinator& Designation	Convenor Dr. G V V Saty Professor & HO Coordinators 1. Mr. Akula Assistant F 2. Mr. A. Vit Assistant F 3. Mr. C Viv Assistant F	vanarayana, DD, CE, GRIET Prakash Professor, CE, GR talaiah Professor, CE, GR ek Kumar Professor, CE, GR	IET IET. IET		
	From	То	No. of Days		
Event Dates/Days	18-04-2024	24-04-2024	06		
Details of the Speaker / Guest Organization Address:	 Ms. Lahar Mr. Venka Ms. Poojit Mr. Nagar 	i Priya, Training I ata Ramana, Mana tha, Civil CADD I raju, Civil CADD	Manger. Ager. Facilitator. Facilitator.	No. of the	T-4-1
Participants	No. of Faculty	NO. of UG students	Students	participan	ts Participants
(Teaching Faculty / Non- Teaching Faculty / Students)		45	-	-	45

Faculty Names & Designation	-									
Summary of the Event	Autodesk - Revit Architecture program aimed to necessary skills and knowledge to effectively architectural design and documentation. Particip learn from experienced instructors and industry hands-on exercises, and real-world case studio collaborative learning environment, allowing experiences and insights with one another. Kee included improved proficiency in using Re- understanding of BIM principles, and the ability to building designs and documentation. Poverwhelmingly positive, with many praising the practicality, and hands-on approach. Recommer- include incorporating more advanced topics, suc- advanced visualization techniques, and providing networking and collaboration among participants	o equip participants with the y use Autodesk Revit for pants had the opportunity to ry experts through lectures, es. The program fostered a participants to share their y outcomes of the program vit Architecture, enhanced o create detailed and accurate earticipant feedback was he program for its relevance, indations for future programs ch as BIM management and g additional opportunities for								
IRG (in rupees)										
Deposited A/C no A/C name and date and other details (enclose proof-A/C	Refundable Amount A cautionary deposit of Rs 1250/- is collected Participants which accounts for Rs 56,250/- (Rup Hundred and Fifty) and the same is refunded afte of Course.	I from all the 45 Registered bees Fifty-Six Thousand Two er the Successful completion								
statement)										
Expenditure (in rupees) (Enclose proof-bills)	Description Payment towards Canter CADD India Pvt Ltd Miscellaneous (Lunch and Refreshments) Grand Total	Expenditure Amount Rs 1,32,750.00 /- Rs 4340.00 / - Rs 1,37,090.00 / -								
POs attained with this Event (number and description)	 b. Analyse problem and interpret the data. c. Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints. d. Identify, formulate, analyse, and interpret data to solve Civil Engineering problems. j. Work effectively as an individual or in a team and to function on multi-disciplinary context. 									
Photographs of the event (Hard copy and Soft copy)	Real of the second									







2027 Signature of Coordinators

- 1. Mr. Akula Prakash Assistant Professor, CE, GRIET.
- Assistant Professor, CE, GRIET

Signature of Convenor Dr. G V V Satyanarayana, Professor & HOD, CE ORIET PROFESSOR AN Engineering PROFESSOR AN Engineering Department of Civil Engineering Department of Civil Engineering Department of Civil Engineering Gokaralu Rangataiu Institute Gokaralu Rangataiu Institute Bachupally, Kukatpally, Bachupally, Kukatpally, Husteratod-500 090





Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous)

-

Bachupally, Nizampet Road, Kukatpally, Ilyderabad-500009 Department of Civil Engineering Value-Added Ceurse on Autodesk - REVIT Architecture

STS
Ξ
S
E
ž
2
Z
Ξ
E
<

		18-04-	2024	19-04-	2024	20-04-3	2024
		Thur	sday	Frid	lay	Satur	day
		FN	٨N	FN	٨N	FN	NN
Roll No.	Name of the Student	Sign.	Sign.	Sign.	Sign.	Sign.	Sign.
21241A0102	AGAM MALLIKARJUN	A. Mallikary	p mall kajin	q. martikaju	A martiker	1. manley	penallixar and
21241A0105	ASALLA SAI KUMAR	A Saibunco	A.Si hunar	A-Jai kum	A-Saikums	A-Sai beinor	4 Jai kund
21241A0106	VISHNU PULI	Purtishnu	P. VÍSHAR	(vilhur	P-villour	P. MUMMer	f-Villing
21241A0107	B SWATHI	B. Swatti	3.Swarthi	intranz.s	S. Swatti	W tows.2	intows.8
21241A0108	BACHA TOSHITH	(Aprile)	100 miles	Jert Hog	(opena)	let 202	10000
21241A0111	BANOTH VAMSHI NAIK	B. Namilie	B. vumpu	B. Vrumpur,	K. Vamlin	B. vampi	B. varine
21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	A.A.Y	R. Luk	N-A-N	Robel	R. Lad	TEANY
21241A0114	CHENNAM LOHITHA RAMA NAGA	[autha	lowitha	10hitha	ent-ual	lolutha	low that
21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	13-M 6A	rement	Kowar	Nowar	Kugue	Lavered
21241A0116	CHITAKOILA SHRUTHI	aturne	Shrult	sprudli	shrall.	Shrulli	chrille
21241A0117	DEEPATI VINAY KUMAR	لاصار	والمسال	لاممال	Unay	Jihay .	unay
21241A0119	DURGAM SURAJ	stop.	S mer	Swit.	& hand	est.	· front
21241A0120	GEEDIGINJALA DHANRAJ	(, Shamer,	Ed rent	month	mond	and	guarray'
21241A0121	GUDALA NITISH KUMAR	C. Neter	C. WINDER	C. 250	Cr. Abs	كلحا	Carto
21241A0122	JADHAV SIKINDAR	I. Silinda	J Sikinde	J. Sikindo	J. Sikind	Jusikink	Jusikinda
21241A0125	JELLI JESSICA	AND I	मु	A A	mp	And V	And
21241A0126	K ANUSHA	K. Anushan	K.Anush	K. Arveha	KANUSKA	K. Anus ha	K. Anusha
21241A0128	KAMBLE SWAPNIL	AT A	4	ing	N.	T.	two

" ++- 1c. h/- 12. h	The the offer	Deventra k-noverdeg k-noverdea.	chajting Xchaiting Xchaytony	Key- degli Hage	Mom. (myler). Callen	anna voura vorna	Pine pine for	Ling (Ling)	NGOEH NOYEN NOYEN	North Closed Glosed	-Starton K.Ster chalon K.St Chalon	V. P. M. M. M. M. M. M. M. M. M. M. M. M. M.	17b. J. They A. They.	sushing (sushing, Gushing,	Afrana Afrana Afrana	Alerhum Abstichte -Abstude	Enumeration of the marked in the marked	Activities Colomital so Tentines	Clusticht - IChurritean Ichurritean	Redi Redi Josh	· CANCEL - CANCEL - CANCEL	The second second	transfer the trans	which appreciation and	HTHO KEAN OHTHA	min (m) (m)	, -Hen	the fresh
11. b. 11. b. 11. b. 11.	(hkestern)	K, Marendra K-Narendra K-narendra K-n	Xelaitanua Kelpaitanua Kahajitanu K	Kaghe Kagher Kagh	Gorthern Gontrom. Contons for	Varma Varma Varma V	aint and and	Wind Brand - Chiny -	hojech Nagesh Nagesh	Charty Charty Charty 5	Krsyel Krsyel Pisterian K	Det v. toller V. tall	A. Rad A. Band A. Bud A	Bushma, Bushma, Bushma (3	uthona attana attana a	Akolich Akolich Akolich	Clausting Clause in the second of the second	A BANNARY RANNARY READING	I. Auniver of Juniver - S. Anniter - J	They had	A NON THOUSAND	and the second	trong trong the	Represents us and a mar	O CHERTO CHERTO CHERTO	M N N M		comments i ham i) the
KHAJA KAMALJIDIN	KODAKANDLA LOKESH	KUPPALA NAGA NARENDRA	KUTCHARLAPATI CHAITANYA	MANDA RAGHUVARDHAN	NALUVALA GOUTHAM	OLETI DHANA LAXMI VARMA	ORSU KARTHIK	PENTAM ROHITH	RAMAVATH NAGESH	SAMA SHASHIDAR REDDY	SREE CHARAN KANNAM	VANKUDOTH USHA	AKULA RAKSHITH	ANAGANI SUSHMA	AFSANA	DEEKONDA AKSHITHA	GANAPURAM SAI BHANVITHA	GURRAM ABHISHEK	J RUSHIKESH	JANGAM RAJESHWARI	JANGAPELLI VASU	NEELI BHAVESH	NANDI SRINIVASA SAI MURARI	VIGNAN NANDIGAM	ORSU AJAYKUMAR	RAJU MADHUKAR		
21241A0130	21241A0131	21241A0132	21241A0133	21241A0135	21241A0137	21241A0138	21241A0139	7 21241A0142	\$ 21241A0143) 21241A0147) 21241A0149	1 21241A0153	2 22245A0101	3 22245A0102	4 22245A0103	5 22245A0104	6 22245A0105	7 22245A0106	8 22245A0107	9 22245A0108) 22245A0109	1 22245A0111	22245A0112	22245A0113	1 22245A0114	5 22245A0115		
10	20	21	22	23	24	25	26	27	28	56	3	e	, w	3	ļ ņ	m	m	m	ñ	ň	4	4	4	4	44	4		

Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Department of Civil Engineering Value-Added Course on Autodesk - REVIT Architecture

ATTENDANCE SHEETS

	 A construction assessment of the second secon		22-04-2024	23-04-2024	24-04-	-2024
			Monday	Tuesday	Wedn	esday
			FN AN	FN A	N FN	AN
S. No	Roll No.	Name of the Student	Sign. Sign.	Sign. Si	gn. Sign.	Sign.
-	21241A0102	AGAM MALLIKARJUN	A-malli Kayn'A. Malisayin	P. Mallitan A.r.	ulity Amalitanjur	Prailikenten
2	21241A0105	ASALLA SAI KUMAR	A Giburer A Jai kump	A. Si kumer A.S.	Chevert A- Di Kenne	A aiken
e S	21241A0106	VISHNU PULI	P. irmen P-villan	P. Werner P. W.	thue P. vilhue	f-withur
4	21241A0107	B SWATHI	Remathi B. Swath	E. Swatti B. Sy	nthis B. Swath.	B. Lwath
5	21241A0108	BACHA TOSHITH	total letter	1 marsh 1	the series	(CALAND)
9	21241A0111	BANOTH VAMSHI NAIK	BeVumply B. Vumply	B-Vambri BX	ample B. Vamshi	6. Lomen
2	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	Ride Side	B We B.C	1005R 11	A Carl
~	21241A0114	CHENNAM LOHITHA RAMA NAGA	low the low the	Hewitting 1012	the builting	[olu the.
6	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	Forwy Ference	Torow Bus	the burge	Anna
10	21241A0116	CHITAKOILA SHRUTHI	Shrill through	Small St	Twee should	Show B
	21241A0117	DEEPATI VINAY KUMAR	Uinay Uinay	in paril	Franko ha	how
12	21241A0119	DURGAM SURAJ	energi Short	si trans	int	to the second
13	21241A0120	GEEDIGINJALA DHANRAJ	Colorent Coloris	(1) montail	the (maran	
14	21241A0121	GUDALA NITISH KUMAR	4. MAK (4. MV	C. HE E. L	in the	(i. ACO
15	21241A0122	JADHAV SIKINDAR	Je Sikinda J. Sikin	by J. Sikinder J.	Sikinda I sikind	V J. Sikhadar
16	21241A0125	JELLI JESSICA	and the	AW A	me me	XX
21	21241A0126	K ANUSHA	K. Anush K. Anush	1. K rush K. A	1 time along	22
18	21241A0128	KAMBLE SWAPNIL	the second	15 2 + 15.	rif Kinnishs	K.Anush

1. 1. 1. b. 2. 1. b	12.14 12.14 12.14 1.14 1.14 1.14 1.14 1.	attended to the second of the	K NATENDAR K RETENDED K MALEN WALEN WALEN WALEN KORANDAUK KEBELANGE	D. 1 Kert Rey Der Rey Rey	1 1 1. march Contract Control Control on Control .	million million varia varia varia	7 is 1.1. But Deer due	and and and and and and	Lach most reach back back ragesh bagesh	Kisra Kisra Chart Quart Chart	C. aler R. m. C. Sm. R.S. K. Steller K. Steller	min with rale with all all with the	1 2 1 1 1 1 1 1 1 1 2 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2	A-Kome A representation of the share (Sushing - (Sushing)	Alana Afrana Afrana Afrana Afrana	ALI & ALA-A Abeli to Alships Ablish Alcibile	All num the strain the mutual of all and the all and the strain of the s	AN THE CALLER CRAWLE CONTRACTION COMMENCE COMPER	ad 10 the approximate of minute of the minut	and they they they they they	AND THANK AND THOUSE THOUSE AND THE	Thready Amore Buroad Buroad Buroad	Revert Rovery Rovery Russel Winey	Werender Werter Werender Warender Warender Wichter Hickory	A THAY DATA OATAY OLTAN O ATAY O ATAY	The way way that the		Counternam Que I tell	Front of the start
	130 KHAJA KAMALUDDIN	131 KODAKANDLA LOKESH	132 KUPPALA NAGA NARENDRA	1133 KUTCHARLAPATI CHAITANYA	1135 MANDA RAGHUVARDHAN	0137 NALUVALA GOUTHAM	0138 OLETI DHANA LAXMI VARMA	0139 ORSU KARTHIK	0142 PENTAM ROHITH	0143 RAMAVATH NAGESH	0147 SAMA SHASHIDAR REDDY-	0149 SREE CHARAN KANNAM	V0153 VANKUDOTH USHA	40101 AKULA RAKSHITH	A0102 ANAGANI SUSHMA	A0103 AFSANA	A0104 DEEKONDA AKSHITHA	A0105 GANAPURAM SAI BHANVITHA	A0106 GURRAM ABHISHEK	A0107 J RUSHIKESH	A0108 JANGAM RAJESHWARI	A0109 JANGAPELLI VASU	A0111 NEELI BHAVESH	A0112 NANDI SRINIVASA SALMONAN	A0113 VIGNAN NANDIGAM	A0114 ORSU AJAYKUMAK	A0115 RAJU MADHUKAR		
	19 21241A01	20 21241A01	21 21241A01	22 21241A01	23 21241A01	24 21241A0	25 21241A0	26 21241A0	27 21241A0	28 21241A0	29 21241A0	30 21241AC	31 21241A(32 2245A	33 22245A	34 22245A	35 22245A	36 22245A	37 22245A	38 22245A	39 22245A	40 22245A	41 22245A	42 22245A	43 22245A	44 22245A	45 22245		

CANTER CADD INDIA PVT.LTD.

Revit Architecture Question Paper:

CADD

Q1. BIM stands for_____

- a) Building Information Management
- b) Business Information Management
- c) Building Information Modellingd) Building intelligent Management

Q2. File format of Revit Project file_____

a) .RVT b) .RFA c) .RFT d) .RTE

Q3. Which of the following template is INVALID template in REVIT_____?

a) Architecture b) construction c) civil d) Mechanical e) Residential

Q4. What is the full form of UI in Revit Architecture? _____-

- a) User interface work flow
- b) User interfere
- c) User Interface
- d) None of the above

Q5. Which two are type properties of wall?

- a) Base constraint
- b) Coarse fill pattern
- c) Top constraint
- d) Function
- e) Location line

Q6. What is the short cut key for walls _____-

- a) WL
- b) WLL
- c) WA
- d) WAL

Q7. where can we find "FILLET" tool in Revit _____

- a) Modify panel
- b) Draw tools
- c) Geometry panel
- d) Datum panel

CANTER CADD INDIA PVT.LTD.



Q8. When you trim or extend elements to corner, you click on the portion of the elements you want to

- a) Move
- b) Keep
- c) Remove
- d) Offset

Q9. Which is/are door instance parameter _____?

- a) Thickness
- b) Door Material
- c) Height
- d) Level

Q10. Where is the option door located in ribbon palette?

- a) Build
- b) Model
- c) Circulation
- d) None of the above

Q11. The default sill height of the DOOR is _____

- a) 0'0"
- b) 3'0"
- c) 7'0"
- d) None of the above

Q12. What is the short cut key for Window?

- a) WD
- b) WI
- c) WN
- d) WIN

Q13. To move the window from one wall to another wall into another you can _____

- a) All of the above
- b) Ctrl+x -----→ ctrl+v
- c) Using button "pick new host"
- d) Just drag it with mouse

Q14. This key rotates a component counter clockwise by 90 degrees: _____

- a) Enter
- b) CTRL
- c) SPACEBAR

CANTER CADD INDIA PVT.LTD.

d) ALT

Q15. What does the small triangle next to the roof boundary line indicate in the roof sketch?

CADD

- a) Gable
- b) Orientation
- c) Slope
- d) Overhang

Q16. Which two are automatically created by default when adding a new level?

c) 5

- a) Floor plan
- b) 3d view
- c) Section
- d) Ceiling plan

Q17. Where can you see a list of groups that you create in a project _____

- a) Project Browser
- b) View Tab
- c) Status Bar
- d) Manage Tab

Q18. How many types of Area plans exist in Revit Architecture

b) 2

a) 3

d) 1

Q19. The following tool is used to create an opening perpendicular to the selected face of the roof, floor or ceiling ______

- a) Vertical opening
- b) Shaft opening
- c) Wall opening
- d) By face opening

Q20. Which of the following two tools are used to create a vertical opening for roof, floor or ceiling

- a) Vertical opening
- b) Wall opening
- c) Shaft opening
- d) By face opening

Q21. Grids are: ____

- a) Parameter elements
- b) Datum elements
- c) Type elements
- d) Category elements

CANTER CADD

CANTER CADD INDIA PVT.LTD.

Q22. What are the critical parts of stair: _____

- a) Nosing Structure
- b) Stringer
- c) Treads
- d) Baluster/railing
- e) All of the above

Q23. Which one of the following elements does not have the option to create a slope arrow during the edit mode?

a) Floors

- b) Ceiling
- c) Roofs
- d) Walls

Q24. The color fill legend panel is located in the _____

- a) View tab
- b) Manage tab
- c) Option tab
- d) Annotation tab

Q25. View Cube can be found in ______ view

- a) Elevation view
- b) Section view
- c) Camera view
- d) 3d view

CANTER CAN ISO 9001:2015 Certified	ring cipatian	of B.Tech 3rd Year has.	ture From 18th to 24th	erabad.	KATTA RAHUL Managing Director
GOKARAJU RANGARAJU Institute of Engineering and Technology	Department of civil Engineer Certificate of Partic	Certify That Mr./MsA.Mallikarjun	pated a Software Training On Revit Architect	April,2024 at GRIET,Bachupally,Hyde	V.Satyanarayana V.Satyanarayana Civil Department www.cantercadd.com
		This is C	Partici		Dr.G.V.

all a

CANTER CON	eering ticipatian	of B.Tech 3rd Year has	tecture From 18th to 24th	yderabad.	KATTA RAHUL Managing Director		
GOKARAJU RANGARAJU Institute of Engineering and Technology	Department of civil Engine Certificate of Part	This is Certify That Mr./MsA.Sai kumar	Participated a Software Training On Revit Archite	April,2024 at GRIET,Bachupally,Hy	Dr.G.V.V.Satyanarayana	www.cantercadd.com	

-

SO 9001:2015 Certified N-M Participated a Software Training On Revit Architecture From 18th to 24th CANTER Managing Director **KATTA RAHUL** ***** トチャト Settificate of Participation April,2024 at GRIET,Bachupally,Hyderabad. Department of civil Engineering www.cantercadd.com Institute of Engineering and Technology GOKARAJU RANGARAJU Dr.G.V.V.Satyanarayana HOD Civil Department モーナ

.

ISO 9001:2015 Certified Participated a Software Training On Revit Architecture From 18th to 24th CANTER Managing Director **KATTA RAHUL** *** Sentificate of Participation April,2024 at GRIET,Bachupally,Hyderabad. Department of civil Engineering www.cantercadd.com **Generation** Institute of Engineering and Technolom Dr.G.V.V.Satyanarayana HOD Civil Department Tri-

ISO 9001:2015 Certified CANTER COM This is Certify That Mr./Ms......<u>B.Toshith</u> of B.Tech 3rd Year has Participated a Software Training On Revit Architecture From 18th to 24th Managing Director KATTA RAHUL * * * * Certificate of Participation April,2024 at GRIET, Bachupally, Hyderabad. Department of civil Engineering www.cantercadd.com **GOKARAJU RANGARAJU** Institute of Financian and T Institute of Engineering and Technology Dr.G.V.V.Satyanarayana HOD Civil Department Fr



GOKARAJU RANGARAJU Institute of Engineering and Technology

(Autonomous)

Approved by AICTE, New Delhi - Permanently affiliated to JNTUH, Hyderabad Accredited by NAAC with A++grade

Department of Civil Engineering

LETTER OF APPRECIATION

25-04-2024

To

M/s. Canter CADD India Pvt Ltd Level-IV, Diamond Corner, Khajaguda Main Road, Gachibowli, Hyderabad Telangana.

Dear Sir / Madam

I am writing to provide feedback on the training sessions you conducted for our III B. Tech Civil Engineering students of GRIET. Your Expert Team from Kukatpally Branch expertise and dedication were evident throughout the training program, and I would like to express my gratitude for your efforts. The training sessions were informative and engaging, providing valuable insights into Revit Architecture. Your team ability to explain complex concepts in a clear and concise manner was particularly appreciated by the students. Your team passion for the subject matter was contagious, making the sessions both Educational and Enjoyable.

Additionally, your team professionalism and approachability were notable. Your team created a positive learning environment where students felt comfortable asking questions and sharing their thoughts. Your team willingness to go above and beyond to help students understand the material did not go unnoticed. Overall, the feedback from students regarding your training sessions has been overwhelmingly positive. They have expressed appreciation for your team knowledge, teaching style, and the relevance of the content to their studies.

Thank you once again for your valuable contribution to our students' learning experience. We look forward to the possibility of working with you again in the future.

Sincerely, x est 25.4.24 Dr. G V V Satyanarayana Professor & Head Dept. of Civil Engineering GRIET(A). . 1 21 Doperiri Gokare' 1. Bachurz Enginteri Hyderola Loud Dan

Bachupally, Kukatpally, Hyderabad - 500 090, Telangana, India Cell : 7207344440 / 7207714441, e-mail: info@griet.ac.in, www.griet.ac.in

The HOD Amontrient of CSE&IT, GLUEC [Sub- Mandawering 30 laptops & 30 changes to the placement tom of GRIET regards] With the reference to the subject cited above, we (N. Swothi and Regarted Madam, Saliri Kychowollung) hardovering 30 HP leptops & 30 chargers within a good working Condition to the team of placement incharges of GRIET to conduct the workshop from 18th April, 2024 to 24th April, 2024 in the room no 2309, GLWEC. After Completion of one week workshop we'll collect the things return back. This is for your kind notice and please give us the parnission to herdover the above things. Thanking you, Yours sincerely, N. Scoath and 3 LOUY! C. Viver Kumar 97914-26508 Asst. Prof/ Civil Retarrand 30 laptop of Charopers exp after Uninstaling Softwarmen Preased Constru 1 1- 1- 2-27.

L



Gokaraju Rangaraju Institute of Engineering & Technology Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 B.Tech Civil Engg. III Yr-II Sem- Section A- GR20 2023 -24 REVIT ARCHITECTURE REGISTRATION

S. No	Roll No	Name of Student	Signature
1	21241A0101	ADAKULAPALLY ANIL	
2	21241A0102	AGAM MALLIKARJUN Online	A-Mallikariun
3	21241A0104	AMIRNENI YASASVI	
4	21241Å0105	ASALLA SAI KUMAR On ine	11. Der Dernier
5	21241A0106	VISHNU PULI CASH	Purilhou
6	21241A0107	BSWATHI	Sia
7	21241A0108	BACHA TOSHITH online	pail
8	21241A0109	BADAVATH BHAGYASREE	and in the second
9	21241A0110	BADHAVATH YAMINI	Chair Stelland
10	21241A0111	BANOTH VAMSHINAIK (auline)	B. vanshi vale (Online)
11	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	F. And and
12	21241A0114	CHENNAM LOHITHA RAMA NAGA (online)	louitha
13	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO 🖓	pr) Serins
14	21241A0116	CHITAKOILA SHRUTHI (Carh)	Shouth
15	21241A0117	DEEPATI VINAY KUMARG (Banh Transfu)	Vingeskumar.
16	21241A0118	DEGA PRANAY	
17	21241A0119	DURGAM SURAJ (Online)	story.
18	21241A0120	GEEDIGINJALA DHANRAJ (on line)	Giphannay
19	21241A0121	GUDALA NITISH KUMAR (Cash)	Cr. As
20	21241A0122	JADHAV SIKINDAR (Online)	J. Sikindov
21	21241A0123	JAJAALA SAINADH	
22	21241A0124	JAVVADI SRIYANKA	
23	21241A0125	JELLI JESSICA & - Pery (Online)	Gent
24	21241A0126	KANUSHA (online)	K.Anusha
25	21241A0127	K SREENU	
26	21241A0128	KAMBLE SWAPNIL outer	Smy contine)
27	21241A0129	KANDULA SHASHANK	
28	21241A0130	KHAJA KAMALUDDIN (Dollos)	12. 12.
29	21241A0131	KODAKANDLA LOKESH (Cash)	lokesh IDO
30	21241A0132	KUPPALA NAGA NARENDRA (Online)	K. Narendra
31	21241A0133	KUTCHARLAPATI CHAITANYA (inti)	peud
	2124140135	MANDA RAGHUVARDHAN (Co.Sh)	An I

33	21241A0136	MEGHARAJ YASHESHWAR	
34	21241A0137	NALUVALA GOUTHAM (Cash)	N. EFONTIOND
35	21241A0138	OLETI DHANA LAXMI VARMA (conh)	Vertina.
36	21241A0139	ORSUKARTHIK (Online)	Seef ->"
37	21241A0140	P SRIVANI	, , , , , , , , , , , , , , , , , , , ,
38	21241A0141	PATTHI SAI GANESH	
39	21241A0142	PENTAM ROHITH (cosh)	p. (Pin) -)
40	21241A0143	RAMAVATH NAGESH (online)	R. Nagech
41	21241A0144	RATHOD SANJEEV	U
42	21241A0145	RAVURIAKASH	
43	21241A0147	SAMA SHASHIDAR REDDY (Cash)	Ohashiy
44	21241A0148	SANDEEP KOTA	and the second second second second second second second second second second second second second second second
45	21241A0149	SREE CHARAN KANNAM (Cash)	K: Sree charon
46	21241A0151	TALARI SRIKEERTHAN	
47	21241A0153	VANKUDOTH USHA (online)	isher-v.
48	22245A0101	AKULA RAKSHITH (anti)	feil
49	22245A0102	ANAGANI SUSHMA (online).	Bushma
50	22245A0103	AFSANA Online	Alkanart
51	22245A0104	DEEKONDA AKSHITHA (cuh)	O. Akilito
52	22245A0105	GANAPURAM SAI BHANVITHA (cash)	Bharwithgi
53	22245A0106	GURRAM ABHISHEK (autin c)	part -)16
54	22245A0107	JRUSHIKESH (antis)	paint-let payme
55	22245A0108	JANGAM RAJESHWARI (Online)	Kaji
56	22245A0109	JANGAPELLI VASU	pail ->
57	22245A0110	MARAPELLY ASHRITHA	
58	22245A0111	NEELI BHAVESH (Oul Rue)	Burgest
59	22245A0112	NANDI SRINIVASA SAI MURARI (Online)	paraent p
60	22245A0113	VIGNAN NANDIGAM (alis)	Vigne Jurgyer
61	22245A0114	ORSU AJAYKUMAR (on line)	Asay
62	22245A0115	RAJU MADHUKAR (antin)	Pourd
63	22245A0116	SAMALA SRIJA SRI	,
	No- 9	Rephritian = 43 × 1250 = 53 + 2 × 1210 =	2,750 /) Plc 2 500 /) Para
		(139, Le 102)	56950/-



REVIT Reyd Pce 43 x 1250 = B53, 750/- -> Deposited in HOD - CIVIL (ND. of Students) Account

BACHUPALLY CASH RECEIPT A/C 18822191002750 Customer Name HOD CIVIL DEPARTMENT Detail BY CASH Amt Deposit 2,500.00 INR Two Thousand Five Hundred Only.

1

5

Amt Received By 5184806 on 20-04-2024 11:02:38 Txn/Sr no M156750/3 Cashier Punjab National Deck V 1

Punjab National Bank Welcomes Yo

TollFree 24 Hours Call Center : 1800 180 2222, 0124-2340000 . 18001032222

Corruption free India for a deve loped Nation Thankyou!

REVIT Regd Fee Q × 1250/- = Rs Q300/-Deposited in HOD- CIVIL Account

.


		Checklist for Receipt of Registratic	on Fee and Certificat	te of Participat	ion	
S. No	Roll No	Name of Student	Received Farticipation Certificate	Received Registration Fee	Signature of the Participant	
-	21241A0102	AGAM MALLIKARJUN	Yes	ye s	A. Madikanun	
7	21241A0105	ASALLA SAI KUMAR	yes	Yes	R. Vamphinlail	
m	21241A0106	VISHNU PULI	700	7 es	p. alland	
4	21241A0107	B SWATHI	Yes	sah	R. Swarth	
5	21241A0108	BACHA TOSHITH	Yes	Yes	result.	
9	21241A0111	BANOTH VAMSHI NAIK	Ves	Yes	B. vaniti Naic	
2	21241A0112	BHIMAVARAPU HEMA SAI BHARADWAJA	yeg	Yer	June. 2	
0	21241A0114	CHENNAM LOHITHA RAMA NAGA	Y P S	Ver	Inditua.	
6	21241A0115	Ch. VENKATA SAI KARAN SRINIVASA RAO	Xec	Yes	X	
10	21241A0116	CHITAKOILA SHRUTHI	4 es	Yes	(hruthi .	
11	21241A0117	DEEPATI VINAY KUMAR	Yes	Yes	. And Kenin	
12	21241A0119	DURGAM SURAJ	765	705	· And	
12	21241A0120	GEEDIGINJALA DHANRAJ	yes	461	C. Drawt	
14	21241A0121	GUDALA NITISH KUMAR	yes	Yes	Le Read	
12	21241A0122	JADHAV SIKINDAR	Nes	26'5	Y. Silvinda Y	
16	21241A0125	JELLI JESSICA	Yers	74	- tel	
17	21241A0126	K ANUSHA	Yes	4 65	K. Anushs	
18	21241A0128	KAMBLE SWAPNIL	۲۲	Yes	K. Swaper	
19	21241A0130	KHAJA KAMALUDDIN	Yes	22	12. 10-	
20	21241A0131	KODAKANDLA LOKESH	yes	7es		

Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Bachupally, Nizampet Road, Kukatpally, Hyderabad-500009 Department of Civil Engineering Value-Added Course on Autodesk - REVIT Architecture

CANTER CADD 150 9001:2015 Centined

			Received	Received	Signature of the Particinant
R	oll No	Name of Student	Participation Certificate	Registration Fee	Signature of the Latitudiant
212	41A0132	KUPPALA NAGA NARENDRA	ye9	Yes	K-Narentza
212	41A0133	KUTCHARLAPATI CHAITANYA	Yes	Yes	aturn to a
212	41A0135	MANDA RAGHUVARDHAN	Ker	Yer	
212	41A0137	NALUVALA GOUTHAM	723	400	
212	41A0138	OLETI DHANA LAXMI VARMA	748	Yrs	O L. H. TA.
212	41A0139	ORSU KARTHIK	yes	yes	(- (- (- (- (- (- (- (- (- (-
212	41A0142	PENTAM ROHITH	Yes	yed	
212	241A0143	RAMAVATH NAGESH		yes	
212	241A0147	SAMA SHASHIDAR REDDY	703	10	Clienty
212	241A0149	SREE CHARAN KANNAM	Yes	Yes	K.Srel cholon
212	241A0153	VANKUDOTH USHA	Ves	Yes	
22	245A0101	AKULA RAKSHITH	.Yes	Yes	A.K.D.
22	245A0102	ANAGANI SUSHMA	Yes	yes	(Jushmyr
22	245A0103	AFSANA	Yes	γις	d promite
22	245A0104	DEEKONDA AKSHITHA	V.U	191	
2	245A0105	GANAPURAM SAI BHANVITHA	Yes	725	Chranich
5	245A0106	GURRAM ABHISHEK	445	766	Cherry Cherry
3	245A0107	J RUSHIKESH	Yes	70	3. C tww.
5	245A0108	JANGAM RAJESHWARI	YG	रेख	الحطرا
5	245A0109	JANGAPELLI VASU	Yes	(26)	T , vore
2	245A0111	NEELI BHAVESH	Yes	Yes	Three and the second
2	245A0112	NANDI SRINIVASA SAI MURARI	408	Yer	
2	245A0113	VIGNAN NANDIGAM	Yes) ei,	the second and
5	245A0114	ORSU AJAYKUMAR	527	52	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
22	245A0115	RAJU MADHUKAR	763	785	
		Cound	when y and		-HUD AND HERUNG -HUD AND HERUNG -HUD AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG -HUT AND AND HERUNG
					CONTRACTOR STATE

				Dete: 18 04 2024
			invoice : 110/24	Date: 16.04.2024
From	m			
M/s	.Canter Cadd India Pvt Ltd			
Lev	el-IV,Diamond Corner,			
Kha	ajaguda Main Road,			
Gad	chibowli,Hyderabad			
Tel	angana-19			
HD	FC BANK A/C.NO : 502000	22856070		
IFS	C : HDFC0009015	- 741		
GS	TIN/UIN : 36AAFCC7853D1	IZN		
GF				
GF	RIET COLLEGE chupally,Nizampet Rd,Kuka	tpally,		
GF Ba Hy	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090	tpally, 0		
GF Ba Hy	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090	tpaliy, 0		
GF Ba Hy	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090	tpally, 0		
GF Ba Hy SI.NO.	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090	tpally, D No. of participants	Price	Total
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45	Price 2500	Total 112500.00
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45	Price 2500 Total	Total 112500.00 112500.00
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 No. of participants 45	Price 2500 Total CGST 9%	Total 112500.00 112500.00 10125.00
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45	Price 2500 Total CGST 9%	Total 112500.00 112500.00 10125.00
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45	Price 2500 Total CGST 9% SGST 9%	Total 112500.00 112500.00 10125.00 10125.00
GF Ba Hy <u>SI.NO.</u>	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45	Price 2500 Total CGST 9% SGST 9% Grand Tota	Total 112500.00 112500.00 10125.00 10125.00 al 132750.0
GF Ba Hy SI.NO.	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture	tpally, 0 <u>No. of participants</u> 45 Thirty Two Thousand Se	Price 2500 Total CGST 9% SGST 9% Grand Tota	Total 112500.00 112500.00 10125.00 10125.00 al 132750.0 fty Rupees Only.
GF Ba Hy <u>SI.NO.</u> 1	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture Payble(in words)One Lakh	tpally, 0 <u>No. of participants</u> 45 Thirty Two Thousand Se	Price 2500 Total CGST 9% SGST 9% Grand Tota even Hundred and Fit	Total 112500.00 112500.00 10125.00 10125.00 10125.00 10125.00 112500.00 10125.00 10125.00 10125.00 10125.00 10125.00 10125.00 10125.00
GF Ba Hy <u>SI.NO.</u> 1	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture Payble(in words)One Lakh	tpally, 0 <u>No. of participants</u> 45 Thirty Two Thousand Se	Price 2500 Total CGST 9% SGST 9% Grand Tota even Hundred and Fit	Total 112500.00 112500.00 10125.00 10125.00 al 132750.0 fty Rupees Only.
GF Ba Hy SI.NO. 1	RIET COLLEGE chupally,Nizampet Rd,Kuka derabad,Telangana- 500090 Description of course Revit Architecture Payble(in words)One Lakh	tpally, 0 <u>No. of participants</u> 45 Thirty Two Thousand Se	Price 2500 Total CGST 9% SGST 9% Grand Tota even Hundred and Fit	Total 112500.00 112500.00 10125.00 10125.00 10125.00 112500.00 10125.00 10125.00 10125.00 10125.00 10125.00 10125.00

Prepared by :

Verified by :

Authorized signatory :

N Pay 2 See with all one provides south as a futhy one was profit south and a cast futhy 22/4/24

Pay with ast please full 23/4/24

			Involco : 110/24	Dato: 18	0.04.2024
610	(1) Davidas David Invita David Lai				
MUS	Canter Cado mola PAT Lio				
Lev	NHV, Diankond Comer.				
KD O	alaciana anan kond,				
H	NEC BANK A'C NO : 502000	022856070			
15	SC : HDFC0009015				
6	STINUIN : SGAAFCC785SD	1ZN			
Π	C				
Ģ	RIET COLLEGE				
		- h h			
Б	achupath, Nizampet Rd, Kuki	apalo,			
Б	achupath, N'Eampet Rd, Kuk	apan,			
B H	achupat);,N≿ampet Rd,Kuk }rceratad,Telangana- 50009	90 90	S		
B H	achupat);,N≿ampet Rd,Kuki ≬rceratad,Tetangana- 50009	50 90	de transfer de services		
B H	achupath; Nizampet Rd, Kuki hristalad, Tekingana- 50009 Descrition of course	atpanty, 90 No. of participa	ants Price		Total
E H	achupath; Nizampet Rd, Kuki Inderabad, Tekangana- 50009 Describtion of course Revit Architecture	arpany, 90 <u>No. of participa</u> 45	ants Price 2500		Total 112500.00
B H NO.1	achupath; Nizampet Rd, Kuki Inderatad, Tekangana- 50009 Descrittion of course Revit Architecture	arpany, 90 <u>No. et participa</u> 45	ants Price 2500 Total		Total 112500.00 112500.00
	achupath; Nizampet Rd, Kuki Inderatad, Tekangana- 50009 Descrittion of course Revit Architecture	arpany, 90 <u>No. of participa</u> 45	ants Price 2500 Total CGST S	0	Total 112500.00 112500.00 10125.00
	achupally, Nizampet Rd, Kuki Interated, Tekangana- 50009 Description of course Revit Architecture	arpanty, 90 <u>No. of participa</u> 45	ants Price 2500 Total CGST 9 SGST 9	9%	Total 112500.00 112500.00 10125.00 10125.00
B H <u>NO</u> 1	achupath; Nizampet Rd, Kuki hristalad, Tekangana- 50009 Describtion of course Revit Architecture	arpanty, 90 <u>No. of particips</u> 45	ants Price 2500 Total CGST 9 SGST 9 Grand 1	0 1 9% 9% Fotal	Total 112500.00 112500.00 10125.00 10125.00 132750.00
B H	achupath; Nizampet Rd, Kuki Arcieratad, Tekangana- 50009 Descrittion of course Revit Architecture	arpany, 90 <u>No. of particips</u> 45 h Thirty Two Thouss	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and	1 9% 9% Fotal	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
	achupath; Nizampet Rd, Kuki Arcieratad, Tekangana- 50009 Description of course Revit Architecture	arpany, 90 <u>No. et participa</u> 45 h Thirty Two Thousa	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and	I 9% 9% Fotal I Fifty Rupee	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
	achupath; Nizampet Rd, Kuki hrierabad, Tekangana- 50009 Describtion of course Revit Architecture	arpany, 90 <u>No. of participa</u> 45 h Thirty Two Thousa	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and	0 1 9% 9% Fotal 1 Fifty Rupee	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
	achupath; Nizampet Rd, Kuki hristalad, Tekangana- 50009 Descrition of course Revit Architecture ht Payble(in words)One Laki any's PAN : AAFCC7853D	arpany, 90 <u>No. of particips</u> 45 h Thirty Two Thousa	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and	1 9% 9% Fotal	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
	achupath; Nizampet Rd, Kuki hrierabad, Tekangana- 50009 Descrition of course Revit Architecture Int Payble (in words) One Laki any's PAN : AAFCC7853D ration : cdare that this is invoice sho	arpany, 90 <u>No. et participa</u> 45 h Thirty Two Thousa	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and of the course of training	I I I I I Fifty Rupee	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
E H UNO 1 1 Unout Domp Declass Ve de 2 1 the	achupath; Nizampet Rd, Kuki hristabad, Tekangana- 50009 Describtion of course Revit Architecture Int Payble(in words)One Laki any's PAN : AAFCC7853D ration : relare that this is invoice sho particulars are true and cor	No. of participa 45 h Thirty Two Thousa	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and of the course of training	I D D D D D D D D D D D D D D D D D D D	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
E H LNO. 1 1 Domp Declass Ve declass Ve declass Ve declass	achupath; Nizampet Rd, Kuki hrieratad, Tekangana- 50009 Descrition of course Revit Architecture Int Payble(in words)One Laki any's PAN : AAFCC7853D ration : retare that this is invoice sho particulars are true and con	amany, 90 <u>No. et participa</u> 45 h Thirty Two Thousa pws the actual price rect,	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and of the course of training	9% 9% Fotal I Fifty Rupee	Total 112500.00 112500.00 10125.00 10125.00 132750.00 is Only.
	achupath; Nizampet Rd, Kuki hrierabad, Tekangana- 50009 Describtion of course Revit Architecture Int Payble(in words)One Laki any's PAN : AAFCC7853D ration : indare that this is invoice sho particulars are true and con	aφally, 90 <u>No. of particips</u> 45 h Thirty Two Thousa ows the actual price rect.	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and of the course of training	I Fifty Rupee	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.
E H LNO. 1 1 J J Dompi Hectar Life H H H H H H H H H H H H H H H H H H H	achupath; Nizampet Rd, Kuki hristabad, Tekangana- 50009 Describtion of course Revit Architecture Int Payble(in words)One Laki any's PAN : AAFCC7853D ration : clare that this is invoice sho particulars are true and con	amally, 90 <u>No. of particips</u> 45 h Thirty Two Thous: ows the actual price rect.	ants Price 2500 Total CGST 9 SGST 9 Grand 1 and Seven Hundred and of the course of training	I D D D D D D D D D D D D D	Total 112500.00 112500.00 10125.00 10125.00 132750.00 as Only.

	-	-1	Ø	TEC Boonson Bach	HNOL red by Go upally, P Phone :	-OGY, karaju Ra (ukatpalit) 7207344	BAC Ingaraju (, Hyde 1440 / 7	HUPALL Educational 1 rabad - 500 207714441	.1 Society) 090.
Cas	sh/ Bank Cheque/D.D No. 803	142	V	loucher	No.		Date :	29/4	24
Paid to	Contes codd	Ind P.	aR	1	122				
Runae	and lake fire	FY O	100	aho	-911	1-4	ve	hunda	ed and
r sugar	- Licha Lachurald	n fo	aiu?	43	to	300.	1000	CRUE	1 stude
toward		/e	FRIT			CREDIT		BILL No.	DATE
SILHO	PARTICULARS	1.2.0	Cual		^				
1.	Cower Cast	121	500	201					
2.	Chilla VUE. U.S.			.					
3.				1					
4.			1						
5.									
6.	Total		Ca	0			1		1
	Ealance	THE	200	00					1
							-		
Prepa	24/04/24 ' red by Presidentif	Principal	12	Chec	ked by I			Receive	r's Signature
	Paid to Rupee toward SLNo 1. 2. 3. 4. 5. 6. 7. 8. Prepa	Paid to <u>COMPER</u> Codd Rupees <u>Che Lach Harr</u> towards <u>Core Lectonol of</u> <u>SLNO PARTICULARS</u> <u>1. COMER Codd</u> <u>2. DALES Codd</u> <u>3.</u> <u>4.</u> <u>5.</u> <u>6.</u> <u>6.</u> <u>7.</u> <u>7.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u>	Paid to <u>COADER COAD</u> <u>Photo</u> Rupees <u>Che Lock Azrity</u> O towards <u>Core Lectonology</u> <u>Ly</u> <u>SLNO</u> <u>PARTICULARS</u> <u>D</u> <u>1.</u> <u>COADER CALL</u> <u>121</u> <u>2.</u> <u>DALER CALL</u> <u>121</u> <u>3.</u> <u>4.</u> <u>5.</u> <u>6.</u> <u>6.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u>	Paid to <u>COLDER CODE LODIELS</u> Rupees <u>Cite Loloh Frazity</u> One towards <u>CORE Lectonology</u> <u>Howes</u> <u>SINO PARTICULARS</u> DEBIT <u>1.</u> <u>COLLER CALL</u> <u>121500</u> <u>2.</u> <u>DABA RUL-ULL</u> . <u>3.</u> <u>4.</u> <u>5.</u> <u>6.</u> <u>6.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u>	Paid to <u>Cost Bos</u> <u>Cost</u> <u>Dod Dod Les III</u> Rupees <u>Case Lectonology</u> <u>Dod Unit</u> towards <u>Core Lectonology</u> <u>Dod USAG</u> <u>SINO</u> <u>PARTICULARS</u> <u>DEBIT</u> <u>1.</u> <u>Costes</u> <u>Cost</u> <u>121500</u> <u>DO</u> <u>2.</u> <u>DALES</u> <u>Cost</u> <u>121500</u> <u>DO</u> <u>2.</u> <u>DALES</u> <u>Cost</u> <u>121500</u> <u>DO</u> <u>3.</u> <u>4.</u> <u>5.</u> <u>6.</u> <u>6.</u> <u>7.</u> <u>Total</u> <u>1,21,500</u> <u>DO</u> <u>Balance</u> <u>7.</u> <u>1642</u> <u>M</u> <u>President/Principal</u> <u>Chec</u>	Paid to <u>Copper Cost</u> <u>Data 100</u> <u>Monsolu</u> Rupees <u>Che Lectonol 1999</u> <u>Doubles no</u> towards <u>Copre Lectonol 1999</u> <u>Doubles no</u> <u>st.No</u> <u>PARTICULARS</u> <u>DEBIT</u> <u>1.</u> <u>Copper</u> <u>Cast</u> <u>121500</u> <u>DD</u> <u>2.</u> <u>Dolla Rut-(L-1.</u> <u>3.</u> <u>4.</u> <u>5.</u> <u>6.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>8.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>8.</u> <u>8.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7.</u> <u>7</u>	Pail to <u>COMPER</u> <u>CODE</u> <u>Laboration</u> <u>International Action And Action And Action And Action And Action And Action And Action And Action And Action And Action Actio</u>	Paid to Cost Des Cost Des Paid to the men Rupees (The Lake Annalogy Having to 3th year towards Core Lechnology Having to 3th year towards Core Lechnology Having to 3th year SINO PARTICULARS DEBIT CREDIT 1. Coster Call 121500 00 (2. Tables RUL-(Lt) (3. 4. 5. 6. Total 1, 21,500 00 (Balance) President/Principal Checked by Mact.	Paid to Copper Class Desire III, we were Rupees and I ald I I with a log Phone and flipe hundre towards <u>Corre Lectonology Downson</u> by 3rd years <u>CRUR</u> SINO PARTICULARS <u>DEBIT</u> <u>CREDIT</u> <u>BILL No.</u> 1. <u>Courses</u> <u>Call</u> <u>121500</u> 50 2. <u>Dalla RUF-(Izt.</u> <u>1</u> 3. 4. 5. 6. 6. Total <u>1,21,500</u> 50 <u>Balance</u> <u>Receive</u> <u>The resident Principal</u> <u>Checked by Macs</u> <u>Receive</u>

GRIET GRIET NIZAMPET ROAD, BACHUPALLY, HYDERABAD-500 072. State Name : Telangana, Code : 36 E-Mail : info@gokaraju.org

Journal Voucher

No. : Dated : 23-Apr-2024 Particulars Debit Credit STUDENT TRAINING Dr 1,12,500.00 GST ON REVENUE EXP Dr 20,250.00 To TDS (194J) 11,250.00 PROFESSIONALS To CANTER CADD INDIA 1,21,500.00 **PVT LTD** -6 On Account of : **BEING THE AMOUNT** PAYABLE TOWARDS CORE TECHNOLOGY TRAINING TO CIVIL STUDENTS (3RD YEAR) VIDE INVOICE NO.110/24, DT.18.04.2024. Rs 1,32,750.00 Rs 1,32,750.00

Authorised Signatory

Core technerogy (ore technerogy (i.c.i.i) - (rewining) FI DT29.04.2024 1,21,500 GRIET Transaction Statiment Brach Nan Amount JNJA 108210 Achupaliy Aryveen most HDFC0009015 HYD And The Back IFSC Code Pls Transfer A.c No.18821011000013 RTGS/NEFT B TPOMOGUA DANG 50200022856070 HDFC BANK Beneficial Account Numb Bank Name CHEQUE NO.807142/24-04-24 1 CANTER CADD INDIA PVT LTD S.No Beneficiary Name -



Signature Suo 20 Fucchandu Tea Point Asychickucture 200/20/201 g å 6 GRIET Campus, 3044001 No. 18/4/2470 CASH / CREDIT AMOUNT Butter mille yourse Xalle of 420 -420 Ë TOTAL TEQ - 42HOJXB/10 = RATE Goods once sold will not be taken back or exchanged Bachupally, Hyderabad CV:1-Cell: 9100500361 Thanks Ka: r. h.L PARTICULARS PAPER PRODUCTS ٠. aty 24/4/24 24102 ß Edday 8 Signature B-051 01010 Ps. CASH I CREDIT (7) 81 Serilingampally, Hyderabad-500032 MENG TOTAL SSOOL 020 - 420-AMOUNT -SREE LAKSHMI CATERING SERVICES S. SREE LAKSHMI CATERING SERVICES MIG-1394, BHEL, Nallagandla, MIG-1394, BHEL, Nallagandla, Serilingampally, Hyderabad-500032 RATE 35 NO-S KR 20 T NorSXB 130 618 Cuit- 42 Nors X 1910 ON XS JON TO MALAND Pivit Archituchure Goods once sold will not be taken back or exchanged Thenks 10111 81 PARTICULARS PUPER PRODUCTS Chicker meals **CTS** Lom Ws.

1		Gurram Abhishet
	222151010	gurramabhahak 123 Bymail com
		E106126742
		5100124782
	CANTER CADD INDIA PVT.LTD.	as as
	Revit Archite	cture Question Paper:
	Q1. BIM stands forC	
	 a) Building Information Management b) Business Information Management c) Building Information Modelling d) Building intelligent Management 	
	Q2. File format of Revit Project file	
	a) .RVT b) .RFA c) .RFT	d).RTE
	Q3. Which of the following template is INVALID te	mplate in REVIT? <
	a) Architecture b) construction c) civil d	l) Mechanical e) Residential
	Q4. What is the full form of UI in Revit Architecture	e?
	 a) User interface work flow b) User interfere c) User Interface d) None of the above 	
	Q5. Which two are type properties of wall?	,d ~
	 a) Base constraint b) Coarse fill pattern c) Top constraint d) Function e) Location line 	
	Q6. What is the short cut key for walls	
	a) WL b) WLL c) WA	
	 d) WAL 07 where can we find "FILLET" tool in Revit 	
	a) Modificanal	
	b) Draw tools	N
	 Geometry panel Datum panel 	
	oj tatom parte	

CANTER CADD

1.0

CANTER CADD INDIA PVT.LTD.

Q8. When you trim or extend elements to corner, you click on the portion of the elements you want to

- a) Move
- b) Keep
- c) Remove
- d) Offset

Q9. Which is/are door instance parameter $\underline{\mathcal{A}, \mathcal{C}}$

- a) Thickness
- b) Door Material
- c) Height
- d) Level

Q10. Where is the option door located in ribbon palette? _____

- a) Build
- b) Model
- c) Circulation
- d) None of the above

Q11. The default sill height of the DOOR is $_$ \land

- a) 0'0"
- b) 3'0"
- c) 7'0"
- d) None of the above

Q12. What is the short cut key for Window? _____C

- a) WD
- b) WI
- c) WN
- d) WIN

Q13. To move the window from one wall to another wall into another you can d

- a) All of the above
- b) $Ctrl+x \cdots \rightarrow ctrl+v$
- c) Using button "pick new host"
- d) Just drag it with mouse

Q14. This key rotates a component counter clockwise by 90 degrees: _____

- a) Enter
- b) CTRL
- c) SPACEBAR

CANTE	TER CADD INDIA PVT.LTD.	RCADD
d)) ALT	
Q15. W	What does the small triangle next to the roof boundary line indicate in the roof sketch?	c
a)) Cable	
b)) Orientation	
c)	Slope	
d)	l) Overhang	/
016 W	Which two are automatically exacted by default along d is d	
Q10. W	which two are automatically created by default when adding a new level?	
a)	ij ricorpian	
c)	b) Section	
d)	d) Ceiling plan	1
Q17. W	Where can you see a list of groups that you create in a project $___ \alpha _$	
a)	a) Project Browser	
b)	b) View Tab	
c)	c) Status Bar	
aj	h) Manage lab	
Q18. Ho	How many types of Area plans exist in Revit Architecture	
a)	a) 3 b) 2 c) 5 d) 1	
Q19. Tł	The following tool is used to create an opening perpendicular to the selected face of the roof,	floor or
ceiling	ng	
a)	a) Vertical opening	
b)	b) Shaft opening	
c)) Wall opening	
d)	l) By face opening	
020. W	Which of the following two tools are used to create a vertical opening for roof floor or ceiling	
	a, c	
a)) Vertical opening	
b)	b) Wall opening	
c)) Shaft opening	
d)	By face opening	
Q21. Gr	Grids are:b	
a)) Parameter elements	
b)) Datum elements	

- c) Type elements
- d) Category elements



Q22. What are the critical parts of stair: $\underline{C, d, b}$

- a) Nosing Structure
- b) Stringer
- c) Treads
- d) Baluster/railing
- e) All of the above

Q23. Which one of the following elements does not have the option to create a slope arrow during the edit mode?

d

view

d

- a) Floors
- b) Ceiling
- c) Roofs
- d) Walls

Q24. The color fill legend panel is located in the _

- a) View tab
- b) Manage tab
- c) Option tab
- d) Annotation tab

Q25. View Cube can be found in ____

- a) Elevation view
- b) Section view
- c) Camera view
- d) 3d view

/J Vasu 2224:520109

8688415521 Vasigangapelli@genail.com

	CANTER CADD
CANTER CADD INDIA PVI.LTD.	
	$\left(\begin{array}{c} 0 \end{array} \right)$
Revit Architecture Question Paper:	$\left(\begin{array}{c} 10 \end{array} \right)$
Q1. BIM stands for C	1 (25/
 a) Building Information Management b) Business Information Management c) Building Information Modelling d) Building intelligent Management 	
Q2. File format of Revit Project file	
.RVT b) .RFA c) .RFT d) .RTE	/
Q3. Which of the following template is INVALID template in REVIT?	
a) Architecture b) construction civil d) Mechanical e) Residential	
Q4. What is the full form of UI in Revit Architecture?	
 a) User interface work flow b) User interfere c) User Interface d) None of the above 	
Q5. Which two are type properties of wall? α & b	
b) Coarse fill pattern	
c) Top constraint	
d) Function	
e) Location line	
Q6. What is the short cut key for walls	
a) WL	
b) WLL	
et WA	
aj wal	
Q7. where can we find "FILLET" tool in Revit	
a) Modify panel	
b) Draw tools	
c) Geometry panel	
d) Datum panel	



QS. When you trim or extend elements to corner, you click on the portion of the elements you want to C a) More b) Keep A Remove d) Otiset Q9. Which is/are door instance parameter _____ ? a) Thickness b) Door Material Sh Height d) Level b Q10. Where is the option door located in ribbon palette? a) Suild by Model. c) Circulation d) None of the above Q11. The default sill height of the DOOR is $_$ α -000 b) 3'0" c) 70% d) None of the above Q12. What is the short cut key for Window? _____ a) WD b) W1 d) WIN Q13. To move the window from one wall to another wall into another you can _____ α All of the above b) $Ctrl+x \dots \rightarrow ctrl+v$ c) Using button "pick new host" d) Just drag it with mouse C. Q14. This key rotates a component counter clockwise by 90 degrees: _ a) Enter b) CTRL SPACEBAR.

CANTER CADD I	NDIA PVT.LTD.				CANTER CADD	
d) ALT						
Q15. What does th	ie small triangle i	next to the roof	boundary line	ndicate in the	roof sketch?	
a) Gable						
b) Orientatio	n				-	
Slope.						
d) Overhang						
Q16. Which two ar	e automatically c	reated by defau	lt when adding	a new level? _	a and o b	
Eloor plan	1.					
by 3d view.						
c) Section						
d) Ceiling pla	an					
Q17. Where can yo	ou see a list of gro	oups that you cro	eate in a projec	<		
Project Br	owser					
b) View Tab						
c) Status Bar	5					
d) Manage Ta	ab					
Q18. How many ty	pes of Area plans	exist in Revit A	rchitecture	b /		
2) 2	b) 2	c) 5	d) 1			
a) 5		eate an opening	g perpendicular	to the selected	l face of the roof, floor or	
Q19. The following	, tool is used to cr	enter en opennig				
a) 5 Q19. The following ceiling	g tool is used to cr —	/				
a) 5 Q19. The following ceiling a). Vertical or	g tool is used to cr — Dening	/				
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open	g tool is used to cr — pening jing	/				
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open	g tool is used to cr — bening hing ing	/				
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open J By face op	g tool is used to cr 					
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open b) By face op	g tool is used to cr — bening hing ening ening					
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open J By face op Q20. Which of the f	s tool is used to cr 	Is are used to cr	eate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open By face op Q20. Which of the f	tool is used to cr bening ing ening following two too Q and	ols are used to cr	eate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open c) Wall open Q20. Which of the f	g tool is used to cr 	Is are used to cr	ceate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open J By face op Q20. Which of the f	g tool is used to cr 	ols are used to cr	eate a vertical	opening for roo	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open Q20. Which of the f Vertical op b) Wall open Shaft open	g tool is used to cr pening ing ening following two too Q and bening, ing ing	Is are used to cr	eate a vertical	opening for roo	of, floor or ceiling	
a) 5 Q19. The following ceiling b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) Shaft open d) By face op	g tool is used to cr pening ning ening following two too Q and bening ing ing ening	Is are used to cr	eate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are:	g tool is used to cr pening ning ening following two too Q and bening, ing ing ing ing	ols are used to cr	eate a vertical	opening for roo	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are: a) Parameter	g tool is used to cr pening ning ening following two too Q and bening ing ening ing ening cening ening	Is are used to cr	eate a vertical	opening for roo	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are: b) Parameter	g tool is used to cr pening ing ening following two too Q and pening ing ing ing ing ing ing ing	Is are used to cr	eate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are: a) Parameter b) Datum elen c) Type elem	g tool is used to cr pening ning ening following two too Q and bening, ing ing ening ening ening ening ening ening ening ening ening ening	ols are used to cr	eate a vertical	opening for roo	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft open c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are: a) Parameter b) Datum eler c) Type elem d) Category e	g tool is used to cr pening ning ening following two too Q and pening ing ening ening ening ening ening ening ting ening ting ening ting ening ting ening ting ening ting ting tool owing two too Q and pening ting tool owing two too Q and too pening ting tool owing two too Q and too too too too too too too too too to	Is are used to cr	eate a vertical	opening for roc	of, floor or ceiling	
a) 5 Q19. The following ceiling a). Vertical op b) Shaft oper c) Wall open d) By face op Q20. Which of the f b) Wall open b) Wall open d) By face op Q21. Grids are: a) Parameter b) Datum elei c) Type elem d) Category e	s tool is used to cr pening ning ening following two too Q and bening, ing ing ening ening ening ening ening ening ening ing ing ing ing ening ing ing ing ing ing ing ing ing ing	ols are used to cr	eate a vertical	opening for roo	of, floor or ceiling	



Q22. What are the critical parts of stair: ______@

- a) Nosing Structure
- b) Stringer
- c) Treads
- d) Baluster/railing
- e) All of the above

Q23. Which one of the following elements does not have the option to create a slope arrow during the edit mode? ______

a) Floors
(c) Roofs Walls
Q24. The color fill legend panel is located in the (
a) View tab
b) Manage tab
c) Option tab
Annotation tab
Q25. View Cube can be found inQ
a) Elevation view
b) Section view
c) Camera view
3d view

FEEDBACK FORM

Date: 24 04 24

ANTER CADD

Student Name: 0. Kastfick Student ID 2124140139

Contact Number: 9100534133 Course : Revit Instructor name:

Please tick V	Yes	No
The facilitator had thorough knowledge in the subject.	V	
The facilitator has been able to explain the features and benefits of the software.	V	
I am satisfied with the training sessions and have been able to understand the software.	V	-
The training sessions were on time and exercises were given.	V	
All my doubts have been cleared by the facilitator.	V	
Are you able to do project in software?	V	
If yes did you submitted Y/N	V	

Please give your valuable rating	Excellent	Good	Average
The overall rating for this demo session is			

Any additional comments /feedback /suggestions:

Valy	good	-Ephanation	8	kotury	В	are	-Aplached	very
1	0	neely.						

Thank you very much for your kind feedback.

Canter CADD India Pvt. Ltd

FEEDBACK FORM



Date: 24/04)2023

Student Name:_	BUVO	Student ID_	<u>212</u> 4140119

Contact Number: 93473350/Course : ReVit Instructor name: 10	har	v1
Please tick 🗸	Yes	No
The facilitator had thorough knowledge in the subject.	/	
The facilitator has been able to explain the features and benefits of the software.	-	
I am satisfied with the training sessions and have been able to understand the software.	1	
The training sessions were on time and exercises were given.	1	-
All my doubts have been cleared by the facilitator.	/	
Are you able to do project in software?	/	
If yes did you submitted Y/N	~	

Please give your valuable rating	Excellent	Good	Average
The overall rating for this demo session is	0		

Any additional comments /feedback /suggestions:

course which I never heave very intrating

Thank you very much for your kind feedback.

Canter CADD Innia Pvt. Ltd.

FEEDBACK FORM



Date: 24/4/24

Student Name: G. Sai Bhanvitha Student ID 2224 SA0105

Contact Number: 8688150400 Course : REVIT Instructor name: Lak	iari Pi	riya
Please tick √	Yes	No
The facilitator had thorough knowledge in the subject.		
The facilitator has been able to explain the features and benefits of the software.	1	
I am satisfied with the training sessions and have been able to understand the software.	\checkmark	
The training sessions were on time and exercises were given.		
All my doubts have been cleared by the facilitator.		
Are you able to do project in software?	$\overline{\mathbf{x}}$	
If yes did you submitted Y/N	ノ	

Please give your valuable rating	Excellent	Good	Average
The overall rating for this demo session is			

Any additional comments /feedback /suggestions:

Topics are being explained clearly and doubts charification is done simultaneously

Thank you very much for your kind feedback.

Cantel CADD India Pvt. Ltd

FEEDBACK FORM



Date: 24/04/24

Student Name: KONAga Narendra_____ Student ID_ 21241 NO132

Contact Number: 9392401378 Course: civil Eng Instructor name: GIRFET Labori priya

Please tick V Revit	Yes	No
The facilitator had thorough knowledge in the subject.		
The facilitator has been able to explain the features and benefits of the software.	~	
I am satisfied with the training sessions and have been able to understand the software.		
The training sessions were on time and exercises were given.		
All my doubts have been cleared by the facilitator.		
Are you able to do project in software?		
If yes did you submitted Y/N		

Please give your valuable rating	Excellent	Good	Average	
• The overall rating for this demo session is	\checkmark			

Any additional comments /feedback /suggestions:

5. A								
good exp	planing (ach and	everyt	hing. I am	1 100	ming	Very	
 quickly.	because	of cla	or hing	dought	vory	and		

Thank you very much for your kind feedback.

Canter CADD Insha Pvt. Ltd.