

GRIET/CE/BOS/IE/G/21-22

9th April 2022

Minutes of Meeting

For

I & II M. Tech Structural Engineering

(For Students admitted from 2022-23 as per GR22 Regulations)

Board of Studies

Held on 9th April 2022



Minutes of meeting of the BOS for M. Tech Structural Engineering, Course Structure and Syllabus approval for 1 & 11-year GR22 Regulation of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) held on 9th April 2022 in the Department of Civil Engineering, GRIET at 11:30 AM.

Venue: Room No:4212, Seminar Hall, Civil Engineering Department.

S.No.	Name of the member	Position in the Current Engagements	Position in the BOS	Signature
Chair	person	Engagements	ВОЗ	
1	Dr C Lavanya	Professor & HOD, Department of Civil Engineering, GRIET, Hyderabad	Chairman	C 9/4/2
Unive	rsity Nominee			
2	Dr S Vidyavathi	Professor, Department of Civil Engineering, JNTUH, Kukatpally	JNTUH Nominee	Milyarat
Educa	ationist or Industria	llist		
3	Dr M V Seshagiri Rao	Professor, Department of Civil Engineering, CVR College of Engineering	External Expert (Academics)	Mr
4	Dr. R. Prasanna Kumar	Professor & HOD, Department of Civil Engineering, Geetanjali College of Engineering & Technology.	External Expert (Academics)	Doly
5	Dr V V Krishna Reddy	Chief Consultant & Proprietor, M/S Continental Designers Project Consultant	External Expert (Industry)	Wilkear
Memb				
6	Dr Mohammad Hussain	Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	pd. Hun
7	Dr G V V Satyanarayana	Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	Questra

8	Dr V Srinivasa Reddy	Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	Mogloy
9	Dr T Srinivas	Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	09/04/21
10	Dr O S D Hima Bindu	Associate Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	Bidales
11	Mr T Srikanth	Associate Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	9/4/22
12	Mr A Prakash	Assistant Professor, Department of Civil Engineering, GRIET, Hyderabad	Internal Member	Lin
13	Dr R Raman Goud	Professor, Department of Mechanical Engineering, GRIET, Hyderabad	Internal Member	Rugin -
14	Ms K Ramya	System Support Engineer, Tata Consultancy Services, Hyderabad	Alumni	Ramya

Item 1: Syllabus subject to approval by Academic council is confirmed for M.Tech Structural Engineering I & II Year.

Item 2: Subjects of BS, ES, HS and MC are confirmed by BOS of respective Departments.

Item 3: Evaluation Scheme suggested as per GR22 to be adopted.

Item 4: Panel of Examiners are suggested.

Item 5: Existing Practices to be strengthened and continued.



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

ACTION TO BE TAKEN IN M. TECH COURSE STRUCTURE AND SYLLABUS

Minutes of meeting of the BOS for M. Tech Structural Engineering, Course Structure and Syllabus approval for I & II-year GR22 Regulation of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) held on 9th April 2022 in the Department of Civil Engineering, GRIET at 11:30 AM.

Venue: Room No:4212, Seminar Hall, Civil Engineering Department.

The following members constitute the board of studies of Civil Engineering, with effect from the Academic year 2021-22.

1.	Dr C Lavanya, Professor & I/C HOD, DCE, GRIET	BOS Chairman
2.	Dr S Vidyavathi, Professor, DCE, JNTUH, Kukatpally	JNTU Nominee
3.	Dr M V Seshagiri Rao, Professor, DCE, CVR College of Engineering	External Expert
	, , , , , , , , , , , , , , , , , , ,	(Academics)
4.	Dr. R. Prasanna Kumar, Professor & HOD, DCE, Geetanjali College of	External Expert
	Engineering &Technology	(Academics)
5.	Dr V V Krishna Reddy, Chief Consultant & Proprietor,	External Expert
٥.	M/S Continental Designers Project Consultant	(Industry)
6.	Dr Mohammad Hussain, Professor, DCE, GRIET	Internal Member
7.	Dr G V V Satyanarayana, Professor, DCE, GRIET	Internal Member
8.	Dr V Srinivasa Reddy, Professor, DCE, GRIET	Internal Member
9.	Dr T Srinivas, Professor, DCE, GRIET	Internal Member
	. Dr O S D Hima Bindu, Associate Professor, DCE, GRIET	Internal Member
	. Mr T Srikanth, Associate Professor, DCE, GRIET	Internal Member
	. Mr A Prakash, Assistant professor, DCE, GRIET	Internal Member
		Co-opted Member
13	. Dr R Raman Goud, Professor, DME, GRIET	Alumni
14	. Ms K Ramya, System Support Engineer, TCS, Hyderabad	

Head of the department welcomed all members in BOS meeting and discussed the following points to be considered in the syllabus.

S.No	Actionable Items	Action to be Taken by Mrs K Hemalatha
l	All the subjects must be included with Text Books and Reference Books separately with latest edition and year of Publication in uniform count and Citation.	
2	Theory of Thin Plates and Shells is introduced as new Course in Professional Elective V in place of Analysis and Design of Shells and Folded Plates.	Dr V Mallikarjuna Reddy
3	Theory and Application of Cement Composites: Unit I, Unit II and Unit III are to be included with advanced topics as per AICTE guidelines as the syllabus is similar to Advanced Concrete Technology Unit I: Introduction-Classification and Characteristics of Composite Materials Unit II: Mechanical Behaviour	Dr V Srinivasa Reddy
4	Unit III: Cement Composites Structural Design Lab: ETABS Software name is be mentioned along with	Mr C Vivek Kumar
5	syllabus Advanced Structural Engineering Lab: Assessment of flexural behaviour of under reinforced R.C. Beam and Over Reinforced RC beam are included as Experiment 11 and 12.	Dr G V V Satyanarayana

BOS - Chairman

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



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

Internal Minutes of meeting of the BOS for M. Tech Structural Engineering, Course Structure and Syllabus approval for 1 & II-year GR22 Regulation of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) held on 29th Jan 2022 through Online mode from 2:30 PM to 4:00 PM.

S.No	Name of the Member	Position in the current Engagements	Position in the BOS		
Chairpe	Chairperson				
1	Dr C Lavanya	Professor, DCE, GRIET	Chairman		
Member	Members				
2	Dr V. Mallikarjun Reddy	Professor, DCE, GRIET	Internal Member		
3	Dr. Mohammed Hussain	Professor, DCE, GRIET	Internal Member		
4	Dr. V.Srinivasa Reddy	Professor, DCE, GRIET	Internal Member		
5	Dr. G.V.V. Satyanarayana	Professor, DCE, GRIET	Internal Member		
6	Dr. T.Srinivas	Professor, DCE, GRIET	Internal Member		
7	Dr K Srikanth	Associate Professor, DCE, GRIET	Internal Member		
8	Dr. O.S.D. Hima Bindu	Associate Professor, DCE, GRIET	Internal Member		
9	Ms. K.Hemalatha	Assistant Professor, DCE, GRIET	Internal Member		
10	Mr V Naresh Kumar Varma	Assistant Professor, DCE, GRIET	Internal Member		
11	Mr A Vittalaiah	Assistant Professor, DCE, GRIET	Internal Member		
12	C Vivek Kumar	Assistant Professor, DCE, GRIET	Internal Member		
13	A Prakash	Assistant Professor, DCE, GRIET	Internal Member		
14	G Swetha	Assistant Professor, DCE, GRIET	Internal Member		
15	Polina V V S S R Krishna	Assistant Professor, DCE, GRIET	Internal Member		
16	Mr. C Vanadeep	Assistant Professor, DCE, GRIET	Internal Member		
17	Mr. V.Ramesh	Assistant Professor, DCE, GRIET	Internal Member		
18	Ms. T. Jahnavi	Assistant Professor, DCE, GRIET	Internal Member		
19	K Veera Babu	Assistant Professor, DCE, GRIET	Internal Member		

The members of board of studies during the meeting held on 29th January 2022 through Online meeting. Online meeting discussed thoroughly and drew the following recommendations for I and II years of GR22 Regulation:

- 1. All the subjects must be included with Pre-Requisites and action verbs in Course objectives. Course outcomes as per Blooms Taxonomy levels.
- 2. The following recommendations were done in Course Structure:
 - Advanced Concrete Lab title is changed with Advanced Concrete Technology Lab.
 - ii) Advanced Structural Engineering lab is introduced as new lab Course in I year II semester.
- 3. In Analytical and Numerical Methods for Structural Engineering syllabus is rearranged as follows
 - i) Solution of Nonlinear Algebraic and Transcendental Equations and Error Analysis topics is assigned in Unit I from Unit III.
 - ii) Fundamentals of Numerical Methods and Curve Fitting is allocated in Unit III from Unit I
 - iii) Richardson Extrapolation and Implicit & Explicit scheme concepts are removed from Unit IV
 - iv) Boundary Value problems were added in Unit IV
 - v) Developing an algorithm for simple mathematical problems concepts are added in Unit V
- 4. Structural Health Monitoring RF/PSTN/GSM/Satellite Communications, Networking of sensor, Data compression technique is added in Unit II as today Health monitoring of all structures governed by sensors only.
- 5. Structural Design Lab
 - i) Dynamic analysis of multi-storeyed structure added in Task 9 along with static analysis
 - ii) Analysis and design of retaining wall, Analysis of bridge deck slab experiments are removed as it is time consuming for both experiments.
- 6. Design of Advanced Structures
 - i) Ribbed Slabs title is added in Unit I
 - ii) Design of Deck slab bridges title is changed with design of bridges and included design of T beam bridge in Unit V
- 7. Cost Management of Engineering projects-
 - Project site, data required for significance topics removed from Unit II as the topics repeated in same unit.
 - ii) Cost-Volume-Profit Analysis & Balanced Score Card and Value-Chain Analysis concepts are restricted to theory only in Unit III.
 - iii) Transportation and Assignment problems topics are restricted to only theory as these topics are related to another specialization.

BOS-Chairman

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



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

DEPARTMENT OF CIVIL ENGINEERING

M. Tech Structural Engineering

Comparison of syllab

S.No	Comparison of syllabus			
	Name of the Course	GR20 to GR22	POs	
1	New Courses	Advanced Structural Engineering Lab		
		Theory of Thin Plates and Shells	1,2,3,4,5,6	
2	Title Change	Advanced Concrete lab title is changed with Advanced		
		Concrete Technology Lab	1,4,5,6	
3	Professional electives and open	Five professional electives starting from I yr I sem and		
	electives	one open elective in II yr I sem	-	
		Syllabus is rearraged in all units. Boundary Value		
4		problems were added in Unit IV and developing an	1,3,4,5,6	
	Structural Engineering	algorithm for simple mathematical problems concepts are	1,5,4,5,0	
		added in Unit V		
_		RF/PSTN/GSM/Satellite Communications, Networking of		
5	Structural Health Monitoring	sensor, Data compression technique is added in Unit II	1	
		·	1,3,4,5,6	
		Dynamic analysis of multi-storeyed structure added in		
6	Structural Design Lab	Task 9 & Analysis and design of retaining wall, Analysis		
		of bridge deck slab experiments are removed	1,2,3,4,5,6	
		Design of Deck slab bridges title is changed with design		
7	Design of Advanced Structures	of bridges and included design of T beam bridge in Unit V		
			1,2,3,4,5,6	
		Cost-Volume-Profit Analysis & Balanced Score Card and		
8	Cost Management of Engineering	Value-Chain Analysis concepts, Transportation and		
٥	projects	Assignment problems topics are restricted to theory only		
		in Unit III	4,5,6	
		Unit I, Unit II and Unit III are included with advanced		
9	Theory and Application of Cement	topics as per AICTE guidelines as the syllabus is similar		
	Composites	to Advanced Concrete Technology	1,5,6	

BOS-Chairman

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



GRIET/Management /BOS/1E/G/22-23

02 May 2022

Minutes of Meeting For

BOS - MANAGEMENT

[Management and Allied Courses in B. Tech I – IV Year (CE, CSB, CSM,CSE,CSD,ECE,EEE,ME,IT) & M. Tech I & II Years and B. Tech. with Minor program]

(For students admitted from 2022-23 as per GR 22 Regulations)

Board of Studies

Held on 02 May 2022



Minutes of meeting of the BoS for Management and other allied courses in B. Tech (I – IV Year) – all branches and M.Tech (I & II Years) and B. Tech. with Minor program all branches of Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous) Hyderabad held on 02nd May 2022 in GRIET Campus, at 1:00 PM.

III Older		
Members Present:		
Dr.Y. Rama Krishna Prasad	Bos - Chairman	11 PV-10 5 22
Professor, DMS		02/5/22
GRIET, Bachupally, Hyderabad		
GldE1) = 1		
Dr. Sindhu	Member (INTH Name	as judy 4
Professor & Director, SMS- JNTUH	Member (JNTU Nominee)	Duy
Hyderabad		
Hyderabad		V
Dr. K. Veeraiah	Mamban (Faster 15	Rueraidh.
HOD, Department of Management Studies	Member (External Expert)	(Veraid).
MLRITM -Hyderabad		
D. G.V. Issue		5. Kalyan 02/05/2022
Dr S Kalyan	Member (External Expert	5.22
BVRIT Hyderabad College of Engineering for Won	nen	02/05/20
Bachupally, Hyderabad		
	,	N _m
Mr. D.V.T. Prasad	Member (Industry) Please	cdus
General Manager – Technical.	1500	
Foshan Lisun Machinery Co, Ltd., Hyderabad		
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Dr. G. Patrick	Member	V
Professor, HOD - Dept. of S&H		1
GRIET, Bachupally, Hyderabad		
D- D I I'		Md.
Dr. D. Indira	Member	0.10
Professor and Assoc. Dean EDC		
DMS- GRIET, Bachupally, Hyderabad		
Mr. S. Davandra Ch.	Manalana	
Mr. S. Ravendra Chary	Member	Qa-C
Associate Professor, DMS		
GRIET, Bachupally, Hyderabad		. 1
Mr. K K Sunil Kumar	M 1	
Associate Profession D. A. M.	Member	with.
Associate Professor, Dept. Humanities		/ '
GRIET, Bachupally, Hyderabad		1. Gazales
Ms. Y Gayathri	Mamban	1. Gazalla
Assistant Professor Day II	Member	1.001
Assistant Professor, Dept. Humanities		
GRIET, Bachupally, Hyderabad		Λ
Ms. K Latha	Member	Latho
Assistant Professor Dont II	Meniner	- Louis
Assistant Professor, Dept. Humanities GRIET, Bachupally, Hyderabad		
	oved by Academic Council	is confirmed for B. Tech
the *subjects of Management as confirmed by BOS of re	espective subjects are accepte	d (copy enclosed)
It an agement as confirmed by BOS of re	spective subjects are are	

Item 2: Evaluation scheme suggested as per GR22 to be adopted

Item 4: Existing practices to be strengthened and confirmed.

Item 3: Panel of examiners are suggested



DEPARTMENT OF HUMANITIES AND SCIENCES (Management)

Minutes of Meeting for reviewing and emending the changes suggested by the BoS of Management and other allied courses in B. Tech (I – IV Year), M.Tech (I & II Years), B. Tech. with Minor program of the GR22 Regulations on 27th April 2022

GRIET/H&S - Humanities /15A/G/22-23

02nd May 2022

The following members are present to discuss the BoS of Management and other allied courses in B. Tech (I – IV Year) and M.Tech (I & II Years) and B.Tech with minor program of the GR22 Regulations on 02May 2022 and suggested some modifications and the same is implemented.

The following faculty members were presented:

1. Dr.Y. Rama Krishna Prasad , Bos – Chairman, Professor, DMS,GRIET, Bachupally, Hyderabad

2. Dr. Sindhu, Member (JNTU Nominee), Professor, SMS, JNTUH, Hyderabad

3. Dr S Kalyan, Member (External Expert), BVRIT Hyderabad College of Engineering for Women Bachupally, Hyderabad S. Kalyan

4. Dr. K. Veeraiah, Member (External Expert), HOD, Department of Management Studies, MLRITM -

 Mr. D.V.T. Prasad, Member (Industry), General Manager – Technical, Foshan Lisun Machinery Co, Ltd., Hvderahad

6. Dr. G. Partick, Member, Professor, HOD - Dept. of S&H, GRIET, Bachupally, Hyderabad

7. Dr. D. Indira, Member, Professor and Assoc. Dean EDC, DMS- GRIET, Bachupally, Hyderabad

8. Mr. S. Ravendra Chary , Member, Associate Professor, DMS, GRIET, Bachupally, Hyderabad

9. Mr. K K Sunil Kumar, Member, Associate Professor, Dept. Humanities, GRIET, Bachupally, Hyderabad

10. Ms. Y Gayathri, Member, Assistant Professor, Dept. Humanities, GRIET, Bachupally, Hyderabad

11. Ms. K Latha, Member, Assistant Professor, Dept. Humanities, GRIET, Bachupally, Hyderabad

The following points are discussed in the meeting:

No.	Item	Action
	After review of the Economics and Accounting for Engineers course, it was suggested to remove or reduce some content in the unit- iv capital budgeting and all new national income components in unit -3 and finally after clarification same subject will be continued.	Suggested modifications done by JNUTH nominee

2	Received the suggestion on Value Ethics and Gender Culture to include the case lets for the better understanding the content in applied orientation.	Suggested modifications done
3	Acknowledged the Constitution of India syllabus and refereed to add some content on Judiciary content in the last unit (if possible and time into consideration).	Suggested content added in the course
4	Based on the University nominee and other experts 'suggestions the content of Fundamentals of Management and Entrepreneurship is modified based on the learning requirement of engineers	Suggested modifications done
5	For the open elective courses of Thread 1 they appreciated the courses proposed by the BOS and suggested to continue the same for the subjects of HRD & OB, but they suggested some modifications in the Cyber Law and Ethics in the title of the course as IPR & Cyber law as 60+40 ration and in Economic Policies in India the content to be added the current topics such as budgets, GDP, NITI Aayog and some current aspects.	Suggested content added in the course
6	Cleared the courses of Fundamentals of Economics, Design Thinking without any changes and suggested some changes i.e precise the content in the course LSPD-Life Skills and Personality Development, with reference textbooks.	The same syllabus continued
7	For the M. Tech audit courses, they recommended to add the judiciary aspects in the Indian Constitution, emphasized to change the title of Stress Management by Yoga as "Stress Management and Yoga" and for other courses they approved.	Suggested content added in the course
8	Finally, they emphasized on the reference books to be new additions and titles to be given to all courses and suggested to continue with modern case studies for all the subjects as per the need of syllabus and student requirements.	Suggested content added in the course
9	Courses proposed for the CSB program to be re-evaluated for the feasibility for completion and complexity for the UG programme	Informed to DAA for further actions.
10	JNUTH nominee suggested that B Tech Minors program syllabus to be as per the university pattern	Informed to DAA and proposed as per JNTUH

BOS – Humanities (Management)

Changes made in GR 22 compared to GR 20 syllabus Under BOS of Management

Subject Name: Value Ethics and Gender Culture

Unit	Include: GR22	Exclude from GR 20
Unit:1	Case Study added on values and self-development	NONE
Unit: 2	Case Study added on Personality	NONE
Unit: 3	Case Study added on professional ethics	NONE
Unit: 4	Case Study added on attitudes towards gender	NONE
	Case Study added on gender-based violence in view	NONE
Unit: 5	of human rights	

Subject Name: Economics and Accounting for Engineers

Unit	Include: GR22	Exclude from GR 20
Unit:1	NONE	NONE
Unit: 2	NONE	NONE
Unit: 3	National Income and its Components are added	NONE
Unit: 4	NONE	NONE
Unit: 5	NONE	NONE

Subject Name: Constitution of India

Unit	Include: GR22	Exclude from GR 20
Unit :1	NONE	NONE
Unit: 2	NONE	NONE
Unit: 3	NONE	NONE
Unit: 4	NONE	NONE
Unit: 5	Composition of Indian Judiciary added	NONE

Subject Name: Design Thinking

Unit	Include: GR22	Exclude from GR 20
Unit:1	NONE	NONE
Unit: 2	NONE	NONE
Unit: 3	NONE	NONE
Unit: 4	NONE	NONE
Unit: 5	End of the syllabus Case Studies to be done	NONE

Subject Name: LSPD-Life Skills and Personality Development (Removed the course)

Unit	Include: GR22	Exclude from GR 20
Unit:1	NONE	NONE
Unit: 2	NONE	NONE
Unit: 3	NONE	NONE
Unit: 4	NONE	NONE
Unit: 5	NONE	NONE