



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

GRIET/CE/BOS/IE/G/20-21

18th July 2020

Minutes of Meeting

For

I & II M. Tech Structural Engineering

(For students admitted from 2020-21 as per GR20 Regulations)

Board of Studies


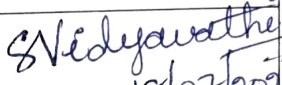




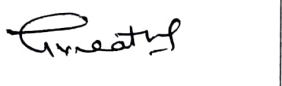
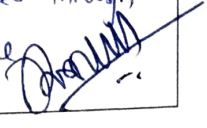
Held on 18th July 2020

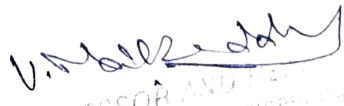




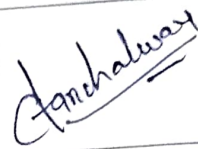


GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

Minutes of meeting of the BOS for M. Tech Structural engineering (syllabus approval for I & II year GR20 Regulation) of Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Hyderabad held on 18th July 2020 in the Department of Civil Engineering (online and offline), GRIET at 12:30PM.

Members Present:

Sl.No	Name of the Member	Designation	Signature with date
1	Dr V Mallikarjuna reddy, Professor & HOD Department of Civil Engineering GRIET, Bachupally, Hyderabad	BOS Chairman	 18/07/2020
2	Dr S Vidyavathi, Professor Department of Civil Engineering JNTUH, Kukatpally, Hyderabad	JNTU Nominee	 18/07/2020
3	Dr M V Seshagiri Rao Professor Department of Civil Engineering CVR college of Engineering	External member	In online 
4	Prof.P.Sreenivas Sarma Professor Department of Civil Engineering CBIT,Gandipet,Hyderabad	External member	Attended in online 
5	Dr V V Krishna Reddy Chief Consultant & Proprietor M/S Continental Designers Project Consultant, Hyderabad	Industry Expert	Attended in online 
6	Dr Mohammad Hussain Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
7	Dr G V V Satyanarayana Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
8	Dr V Srinivasa Reddy Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	Attended through online 


PROFESSOR AND HOD
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Gokaraju Rangaraju Institute of
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Bachupally, Kukatpally,
Hyderabad-500 090

9	Dr C Lavanya Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
10	Dr T Srinivas Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
11	Dr Atulkumar Anil Manchalwar Associate Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
12	Dr K Srikanth Associate Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
13	Mr T Srikanth Associate Professor Department of Civil Engineering GRIET, Bachupally, Hyderabad	Internal Member	
14	Dr R Raman Goud Professor, Department of Mech Engineering GRIET, Bachupally, Hyderabad	Internal Member	Attended through online
15	Ms Hamsalekha	Alumni	Attended through online


Item 1: Syllabus subject to approval by Academic council is confirmed for M.Tech Structural engineering (I & II years)

Item 2: Subjects of BSC, ESC, HSMC and MC are confirmed by BOS of respective Departments.

Item 3: Evaluation Scheme suggested as per GR20 to be adopted.

Item 4: Panel of Examiners are suggested.

Item 5: Existing practices to be strengthened and continued.


PROFESSOR AND
Department of Civil Engineering
Bokaraju Rangaraju Institute of
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Bachupally, Kukatpally,
Hyderabad-500 080



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

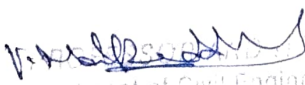
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ACTION TO BE TAKEN IN M.Tech COURSE STRUCTURE & SYLLABUS

Minutes of meeting of the BOS for M. Tech Structural Engineering (syllabus approval for I & II year GR20 Regulation) of Gokaraju Rangaraju Institute of Engineering & Technology (Autonomous) Hyderabad held on 18th July 2020 in the Department of Civil Engineering (online and offline), GRIET at 12:30PM.

The following members constitute the board of studies of Civil Engineering, with effect from the Academic year 2020-21.

- | | |
|--|-----------------|
| 1. Dr V Mallikarjunareddy, professor & 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 member | External |
| 4. Prof. P. Sreenivas Sarma, professor, DCE, CBIT member | External |
| 5. Dr V V Krishna Reddy, Chief Consultant & Proprietor, M/S Continental Designers Project Consultant | Industry Expert |
| 6. Dr Mohammad Hussain, Professor, DCE, GRIET Member | Internal |
| 7. Dr G V VSatyanarayana, Professor, DCE, GRIET Member | Internal |
| 8. Dr V Srinivasa Reddy, Professor, DCE, GRIET Member | Internal |
| 9. Dr C Lavanya, Professor, DCE, GRIET Member | Internal |
| 10. Dr T Srinivas, Professor, DCE, GRIET Member | Internal |
| 11. Dr Atulkumar Anil Manchalwar, Associate Professor, DCE, GRIET | Internal Member |
| 12. Dr K Srikanth, Associate Professor, DCE, GRIET Member | Internal |
| 13. Mr T Srikanth, Associate Professor, DCE, GRIET Member | Internal |
| 14. Dr N Satish, Professor & HOD, DME, GRIET | Co-opted Member |
| 15. Mr Jagannadh | Alumni |


Department of Civil Engineering
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Head of the department welcomed all members in BOS meeting both online and offline - discussed the following points to be considered in the course structure and syllabus.

S.No	Actionable Items	Action to be Taken by
1	Changes in Course Structure: 1. Program Elective I in I semester-Theory and Analysis of Plates is changed with Theory and application of Cement Composites. 2. Theory of Thin Plates and Shells subject is replaced with Analysis and Design of Shells and folded plates in III semester as Program Elective V.	MrsK Hemalatha
2	All the subjects must be included with Course Pre-Requisites (write before Course Objectives and Course Outcomes).	All faculty
3	Changes in Syllabus: Advanced Concrete Technology: Replace Unit I and II has to be changed with advanced topics in concrete technology which are already covered in B.Tech and include Geo Polymer Concrete in Unit III	Dr K Srikanth
4	Changes in Syllabus: Structural Optimization: Include the use of computer programs specifically like C,C++,MAT lab	Dr G V VSatyanarayana
5	Changes in Syllabus: Structural Design Lab: Task II detailing has to be shifted to Task IV and order need to be changed from Task II to Task V	Dr G V VSatyanarayana
6	Changes in Syllabus: Advanced Steel Design: Replace Unit I & II and add plate girder and Gantry Girder. Adjust 3,4,5 units into total five modules as syllabus is heavy and it is already covered in B.Tech.	Dr V Mallikarjuna Reddy
7	Changes in Syllabus: Advanced Concrete Structures: Unit I has to be replaced with Flat slabs and advanced topics in design of reinforced concrete structures, as basics were already studied in UG program.	DrAtul Kumar Manchalwar
8	Changes in Syllabus: Disaster Management: Functions of National Disaster Management by State and Central Government has to be included in Unit IV.	Dr V Mallikarjuna Reddy

[Signature]
PROFESSOR
Department of Civil Engineering
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Hyderabad-500 060



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF CIVIL ENGINEERING

Minutes of Meeting for Board of Studies

The members of Board of Studies during the meeting held on 10th July 2020 in the Department of Civil Engineering through online mode, after having thorough discussions, drew the following recommendations for GR20 M. Tech Structural Engineering Program structure and Syllabus of I & II year.

- M. Tech Structural Engineering Program structure and Syllabus of I & II year was prepared as per recommendations by the AICTE.
- Principles of Bridge Engineering and Earthquake Resistant Design of Buildings are introduced as new courses in Professional Elective III and Professional Elective IV.
- There are five professional electives starting from I year I Sem and one open elective in II yr I sem.
- Theory of Thin Plates and Shells subject is replaced with Analysis and Design of Shells and folded plates in III semester as Program Elective V.
- In Structural Optimization, the use of computer programs specifically like C, C++, MATLAB is included to get exposed with advanced technologies.
- Functions of National Disaster Management by State and Central Government included in Disaster Management Syllabus to provide all measures necessary and expedient for the purpose of disaster management
- Theory and Analysis of Plates is changed with Theory and application of Cement Composites as Professional Elective I.
- Geopolymer Concrete an innovative material and a real alternative to conventional Portland cement for use in transportation infrastructure is included in Advanced Concrete Technology Syllabus.

Chairman, BoS



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF CIVIL ENGINEERING

M.Tech Structural Engineering

Comparison of syllabus

S.No	Name of the Course	GR18 to GR20 (As per AICTE)
1	New Courses	Principles of Bridge Engineering and Earthquake Resistant Design of Buildings are introduced as new courses in Professional Elective III & Professional Elective IV
2	Professional electives and open electives	Five professional electives starting from I yr I sem and one open elective in II yr I sem
3	Theory of Thin Plates and Shells	Replaced with Analysis and Design of Shells and Folded Plates as Professional elective V
4	Structural Optimization	Use of Computer programs specifically like C, C++, MATLAB is included
5	Disaster Management	Functions of National Disaster Management by State and Central Government included in syllabus.
6	Theory and Analysis of Plates	Replaced with Theory and application of Cement Composites as Professional Elective I
7	Advanced Concrete Technology	Geopolymer Concrete is included in syllabus