

1.1.3 Employability/ Entrepreneurship/soft skill courses offered Department of Civil Engineering

INDEX

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| 4 | 15th BoS Minutes | 7 |

Department of Civil Engineering

Minimum Credits to be earned: 164 (for Regular students) 131 (for Lateral Entry Students)

| 1- | | 131 (for Lateral Entry St | udents) | | | | |
|-----|----------------|---|------------------------------------|---|----|----|------|
| | enth Semest | | | | I | | |
| 1 | | Elective V (Professional Elective) | 3 | 1 | - | 3 | |
| 2 | | Elective VI (Professional Elective) | | 3 | 1 | - | 3 |
| 3 | | Elective VII (Open Elective III) | 3 | 1 | - | 3 | |
| 4 | 19CE701 | Project Work | - | - | 16 | 8 | |
| 5 | 19CE702 | Summer Internship II | 1,2,5,6,10,12 | - | - | - | 1.5 |
| Tot | al | | | 9 | 3 | 16 | 18.5 |
| Eig | hth Semester | r | | | | | |
| 1 | | Elective VIII (Professional Elective) | | - | - | - | 3 |
| 2 | | Elective IX (Open Elective IV) | | - | - | - | 3 |
| 3 | 19CE801 | Full Semester Internship (FSI) | 1,2,,5, 8, 9, 10, PSO1, PSO2 | - | - | - | 9 |
| To | tal | | | - | - | - | 15 |
| Ele | ctive V | | | | | | |
| Car | eer Path I, II | , III and Other Core Electives | | | | | |
| 1 | 19CEC13 | Building Information Modeling | 3,5,10,PSO2 | 3 | 1 | - | 3 |
| 2 | 19CEC23 | Highway Project Formulation and Economics | 3 | 1 | - | 3 | |
| 3 | 19CEC33 | BIM for Pre-Engineered Building | 3,5,10,PSO2 | 3 | 1 | - | 3 |
| 4 | 19CE010 | Construction Economics and Finance | 3,10,11 | 3 | 1 | - | 3 |
| 5 | 19CE011 | Advanced Reinforced Concrete Design | 2,3,10, PSO2 | 3 | 1 | - | 3 |
| 6 | 19CE012 | Construction Methods and Equipment | 2,7,12 | 3 | 1 | - | 3 |
| | | MOOCs | | - | - | - | 3 |
| Ele | ctive VI | | | | | | |
| 1 | 19CE013 | Basics of Dynamics and Earthquake Engineering | 1,2,3,12, PSO2 | 3 | 1 | - | 3 |
| 2 | 19CE014 | Pavement Analysis and Design | 3,12,PSO2 | 3 | 1 | - | 3 |
| 3 | 19CE015 | Prestressed Concrete Structures | 3,10,12, PSO2 | 3 | 1 | - | 3 |
| | | MOOCs | | - | - | - | 3 |
| Ele | | en Elective III | | | | | |
| 1 | 19CE003 | Solid Waste Management | 3,7, 12 | 3 | 1 | - | 3 |
| 2 | 19EE003 | Fundamentals of Electrical Vehicle Technology | 2,3,12 | 3 | 1 | - | 3 |
| 3 | 19ME003 | Industrial Engineering and Management | 1,11 | 3 | 1 | - | 3 |
| 4 | 19EC003 | Interfacing and Programming with Arduino | 1,2 | 3 | 1 | - | 3 |
| 5 | 19CS003 | Data Science for Engineering Applications | 2,3,4 | 3 | 1 | - | 3 |
| 6 | 19CH003 | Industrial Ecology for Sustainable Development | 2,6,7 | 3 | 1 | - | 3 |
| 7 | 19IT003 | Fundamentals of Mobile Computing | 1,7 | 3 | 1 | - | 3 |
| 8 | 19BS004 | Advanced Materials of Renewable Energy | 1,7 | 3 | 1 | - | 3 |

Comment [11]: Revised and updated 15th BoS dated 04.09.2021.

Comment [12]: Revised and updated 15th BoS dated 04.09.2021.

Comment [13]: New Course and approved in 15th BoS

Comment [14]: New Course and approved in 15th BoS

Comment [15]: New Course and approved in 15th BoS

| 9 | 19BS005 | Applied Linear Algebra for Engineers | 1,12 | 3 | 1 | - | 3 |
|-----|---------------|--|-------------|---|---|---|---|
| Ele | ctive VIII | | | | | | |
| 1 | 19CE016 | Repair and Rehabilitation of Structures | 2,7,12,PSO2 | - | - | - | 3 |
| 2 | 19CE017 | Remote Sensing and GIS | 1,2,5 | - | - | - | 3 |
| 3 | 19CE018 | Pavement Management System | 5,12 | - | - | - | 3 |
| | | MOOCs | - | - | - | 3 | |
| ELE | ECTIVE IX: Op | oen Elective IV | | | | | |
| 1 | 19CE019 | Green Buildings | 1,7,12 | - | - | - | 3 |
| 2 | 19EE017 | Sustainable Energy | 1,2,12 | - | - | - | 3 |
| 3 | 19ME019 | Total Quality Management | 1,11 | - | - | - | 3 |
| 4 | 19EC011 | Communication Technologies | 1,2 | - | - | - | 3 |
| 5 | 19CS020 | Applications of Artificial Intelligence | 2,3,6,7 | - | - | - | 3 |
| 6 | 19CH016 | Green Technologies | 1,6,7 | - | - | - | 3 |
| 7 | 19IT015 | Human Computer Interaction | 1,7 | - | - | - | 3 |
| 8 | 19BS006 | Handling of Industrial waste and waste water | 1,7 | - | - | - | 3 |

Comment [16]: New Course and approved in 15th BoS

Comment [17]: New Course and approved in 15th BoS

Department of Civil Engineering

Minimum Credits to be earned: 160 (for Regular students) 127 (for Lateral Entry Students)

| E: GL | Comestor | 127 (for Lateral Entry Stud | circij | | | | |
|---|---|--|---|---------------------------------|---------------------------------|--------------|--|
| FIITI | n Semester | | 3, 10, | | I | T I | |
| 1 | 20CE501 | Design and Detailing of RC Structures | 3 | - | 2 | 4 | |
| 2 | 20CE502 | Environmental Engineering | 3, 6, 7, 12 2, 3, 8, | 3 | 1 | - | 3 |
| 3 | 20CE503 | Foundation Engineering | 3 | 1 | - | 3 | |
| 4 | 20CE504 | Hydrology | 2, 3, 12 | 3 | - | 2 | 4 |
| 5 | | Elective I (Professional Elective) | | 3 | 1 | - | 3 |
| 6 | | Elective II (Open Elective I) | | 3 | 1 | - | 3 |
| 7 | 20CE505 | Environmental Engineering Laboratory | 3, 6, 7, 12 | - | - | 3 | 1.5 |
| 8 | 20TPX01 | Term Paper | 1,4,10,12 | - | - | 3 | 1.5 |
| 9 | 20ESX02 | Employability Skills II | 1,2,5,8,10, 12 | 1 | 1 | 1 | - |
| 10 | 20HSX12 | CC & EC Activities II | 6,7,9,10 | - | - | 1 | - |
| 11 | 20SIX01 | Summer Internship I | 1,2,8,10, 12 | - | - | - | 1.5 |
| Tota | | | | 19 | 5 | 12 | 24.5 |
| Sixtl | h Semester | | | | | | |
| 1 | 20CE601 | Problem solving using OOPS | 1, 5, 12 | 3 | 1 | - | 3 |
| 2 | 20CE602 | Design of Steel Structures | 3, 5, 10, 12,PSO2 | 3 | 1 | - | 3 |
| 3 | 20CE603 | Estimation and costing | 1,12 | 3 | 1 | - | 3 |
| 4 | | Elective III (Professional Elective) | | 3 | - | 2 | 4 |
| 5 | | Elective IV (Open Elective II) | | 3 | 1 | - | 3 |
| 6 | 20CE604 | Programming Language Laboratory | 1,2,3,5 | - | - | 3 | 1.5 |
| 7 | 20MPX01 | Mini Project | 1,2,3,4,5,6, 7,8,9,10, 11,12,PSO1 ,PSO2 | - | - | 3 | 1.5 |
| 8 | 20ESX02 | Employability Skills II | 1 | 1 | 1 | 3 | |
| | | | - | 1 | 1 | 3 | |
| 9 | 20HSX12 | CC & EC Activities II | 12 6,7,9,10 | - | - | 1 | 1 |
| 10 | 20HSX12 | CC & EC Activities II Audit Course | | - | - | | 1 - |
| 10 Tota | 20HSX12 | | 6,7,9,10 | - | - | | 1 |
| 10 Tota Elec | 20HSX12 | Audit Course | 6,7,9,10 | - | - | 1 - | 1 - |
| 10 Tota Elec | 20HSX12 | | 6,7,9,10 | - | - | 1 - | 1 - |
| 10 Tota Elec | 20HSX12 | Audit Course | 1,3,PSO1, PSO2 | - - 16 | - | 1 - | 1 - |
| 10 Tota Elec Care 1 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials | 1,3,PSO1, PSO2 1,3,PSO2 | - - 16 | 5 1 1 | 1 - 10 | 1 - 23 3 3 |
| 10 Tota Elec Care | 20HSX12 Il tive I eer Path I, II, 20CEC11 | Audit Course III and Other Core Electives Principles of Building Architecture | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 | - - 16 | - - 5 | 1 - 10 | 1 - 23 |
| 10 Tota Elec Care 1 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials | 1,3,PSO1, PSO2 1,3,PSO2 | - - 16 | 5 1 1 | 1 | 1 - 23 3 3 |
| Tota Elec Care 1 2 3 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 20CEC31 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 4,5,11, | 3 3 3 | - - 5 1 1 1 | 1 | 1 - 23 3 3 3 |
| Tota Elec Care 1 2 3 4 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 20CEC31 20CE004 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 4,5,11, PSO2 | 3 3 3 3 3 | - - 5 1 1 1 1 | 10 | 1 - 23 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCs | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 4,5,11, PSO2 1,3,12 | 3 3 3 3 3 | 1 1 1 1 1 | 10 | 1 - 23 3 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 6 | 20HSX12 Itive I 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 tive II: Open | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCs Elective I | 1,3,PS01, PS02 1,3,PS02 3,PS02 4,5,11, PS02 1,3,12 3,10,11 | 3 3 3 3 3 3 | 1 1 1 1 1 1 | 1 - 10 | 1 - 23 3 3 3 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 | 20HSX12 Il tive I eer Path I, II, 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCs Elective I Disaster Management | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 4,5,11, PSO2 1,3,12 | 3 3 3 3 3 3 | 1 1 1 1 1 1 | 1 - 10 | 1 - 23 3 3 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 6 Elec 1 2 | 20HSX12 Itive I 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 tive II: Open 20CE001 20EE001 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCs Elective I Disaster Management Electrical Installation, Safety and Auditing | 1,3,PS01, PS02 1,3,PS02 3,PS02 4,5,11, PS02 1,3,12 3,10,11 | 3 3 3 3 3 3 | 1 1 1 1 1 1 | 1 - 10 | 1 - 23 3 3 3 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 6 Elec 1 | 20HSX12 Itive I Per Path I, II, 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 tive II: Open 20CE001 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCS Elective I Disaster Management Electrical Installation, Safety and Auditing Fundamentals of Optimization Techniques | 1,3,PSO1, PSO2 1,3,PSO2 3,PSO2 4,5,11, PSO2 1,3,12 3,10,11 | 3 3 3 3 3 3 | 1 1 1 1 1 1 | 1 - 10 | 1 - 23 3 3 3 3 3 3 3 |
| 10 Tota Elec Care 1 2 3 4 5 6 Elec 1 2 | 20HSX12 Itive I 20CEC11 20CEC21 20CEC31 20CE004 20CE005 20CE006 tive II: Open 20CE001 20EE001 | Audit Course III and Other Core Electives Principles of Building Architecture Geometric Design and Highway Materials Prefabricated Structures Construction Techniques Airport, Railways and Harbour Engineering Construction Economics and Finance MOOCs Elective I Disaster Management Electrical Installation, Safety and Auditing | 1,3,PS01, PS02 1,3,PS02 3,PS02 4,5,11, PS02 1,3,12 3,10,11 | 3 3 3 3 3 3 3 | 1 1 1 1 1 1 - | 1 - 10 | 1 - 23 3 3 3 3 3 3 3 3 |

Comment [18]: Revised and updated 15th BoS dated 04.09.2021.

Comment [19]: Revised and updated 15th BoS dated 04.09.2021.

Comment [110]: Revised and update 15th BoS dated 04.09.2021.

Comment [111]: Revised and update 15th BoS dated 04.09.2021.

| 6 | 20CH001 | Energy Conversion and Storage Devices | 1,3,6,7 | 3 | 1 | - | 3 | | | |
|------|---|--|----------------|---|---|---|---|--|--|--|
| 7 | 20IT001 | Fundamentals of Multimedia | 1,5,7 | 3 | 1 | - | 3 | | | |
| 8 | 20BS001 | Nano Materials and Technology | 1,12 | 3 | 1 | - | 3 | | | |
| Elec | Elective III | | | | | | | | | |
| Care | Career Path I, II, III and Other Core Electives | | | | | | | | | |
| 1 | 20CEC12 | Building Services | 3,7,12 PSO2 | 3 | - | 2 | 4 | | | |
| 2 | 20CEC22 | Highway Design and Simulation | 1,3,PSO2 | 3 | - | 2 | 4 | | | |
| 3 | 20CEC32 | Pre Engineered Buildings | 3,11 | 3 | - | 2 | 4 | | | |
| 4 | 20CE007 | AI for Civil Engineering | 1, 5, 12 | 3 | - | 2 | 4 | | | |
| 5 | 20CE008 | Engineering Geology | 1,2,4, PSO1 | 3 | - | 2 | 4 | | | |
| 6 | 20CE009 | Irrigation and Water Resources Engineering | 3, 5, 10, 12 | 3 | - | 2 | 4 | | | |
| Elec | tive IV: Open | Elective II | | | | | | | | |
| 1 | 20CE002 | Air Pollution and Environmental Impact Assessment | 6,7,12 | 3 | 1 | - | 3 | | | |
| 2 | 20EE002 | Renewable Energy Sources | 2,7 | 3 | 1 | - | 3 | | | |
| 3 | 20ME002 | Principles of Entrepreneurship | 1,11 | 3 | 1 | - | 3 | | | |
| 4 | 20EC002 | Electronics for Agriculture | 1,2 | 3 | 1 | - | 3 | | | |
| 5 | 20CS002 | Fundamentals of Machine Learning | 2,3 | 3 | 1 | - | 3 | | | |
| 6 | 20CH002 | Industrial Safety and Hazard Management | 1,2,3,6,8 | 3 | 1 | - | 3 | | | |
| 7 | 20IT002 | Fundamentals of Cloud Computing | 1,7 | 3 | 1 | - | 3 | | | |
| 8 | 20BS002 | Advanced Numerical Techniques | 1,2 | 3 | 1 | - | 3 | | | |
| 9 | 20BS003 | Functional Materials and Applications | 1,7 | 3 | 1 | - | 3 | | | |
| Aud | it Course | | | | | | | | | |
| 1 | 20AT001 | Communication Etiquette in Workplaces | - | - | - | - | - | | | |
| 2 | 20AT002 | Contemporary India: Economy, Policy and Society | - | - | - | - | - | | | |
| 3 | 20AT003 | Design The Thinking | - | - | - | - | - | | | |
| 4 | 20AT004 | Ethics and Integrity | - | - | - | - | - | | | |
| 5 | 20AT005 | Indian Heritage and Culture | - | - | - | - | - | | | |
| 6 | 20AT006 | Human Values and Professional Ethics | - | - | - | - | - | | | |
| 7 | 20AT007 | Intellectual Property Rights and Patents | - | - | - | - | - | | | |
| 8 | 20AT008 | Introduction to Journalism | - | - | - | - | - | | | |
| 9 | 20AT009 | Mass Media Communication | - | - | - | - | - | | | |
| 10 | 20AT010 | Science, Technology and Development | - | - | - | - | - | | | |
| 11 | 20AT011 | Social Responsibility | - | - | - | - | - | | | |
| 12 | 20AT012 | The Art of Photography and Film Making | - | - | - | - | - | | | |
| 13 | 20AT013 | Gender Equality for Sustainability | - | - | - | - | - | | | |
| 14 | 20AT014 | Women in Leadership | - | - | - | - | - | | | |
| 15 | 20AT015 | Introduction to Research Methodology | - | - | - | - | - | | | |
| 16 | 20AT016 | Climate Change and Circular Economy | - | - | - | - | - | | | |

Comment [112]: Revised and update 15th BoS dated 04.09.2021.

Comment [113]: Revised and update 15th BoS dated 04.09.2021.

Department of Civil Engineering
Minimum Credits to be earned: 160 (for Regular students)
123 (for Lateral Entry Students)

| Thir | d Semester | 125 (for faceral filtry state | | | | | _ |
|---------------------------------|---|--|---|---------|---|------------------|-------------------------|
| 1 | 21MA303 | Numerical Methods | 1, 12 | 3 | - | - | 3 |
| 2 | 21CE302 | Building Materials and Concrete Technology | 2,4,8, 12, PSO1 | 3 | - | 2 | 4 |
| 3 | 21CE303 | Building Planning and Drawing | 5, 10, 12 | 3 | - | 2 | 4 |
| 4 | 21CE304 | Fluid Mechanics | 1, 12 | 3 | - | - | 3 |
| 5 | 21CE305 | Solid Mechanics I | 1, 12 | 3 | - | - | 3 |
| 6 | 21CE306 | Surveying | 1, 2, 10, 12 | 3 | - | - | 3 |
| 7 | 21CE307 | Solid Mechanics Laboratory | 1, 4 | - | - | 3 | 1.5 |
| 8 | 21CE308 | Surveying Laboratory | 1, 4 | - | - | 3 | 1.5 |
| 9 | 21BEA01 | Environmental Studies | 1,6,7,12 | - | - | - | - |
| 10 | 21ESX01 | mployability Skills I 1,2,5,8, 12 | | 1 | - | 1 | - |
| 11 | 21HSX11 | CC & EC Activities I | 6,7,9,10 | - | - | 1 | - |
| Total | | | | | | 12 | 23 |
| | | | | | | | |
| Fou | rth Semester | | | | | | |
| Four | rth Semester 21CE401 | Hydraulics and Hydraulic Machinery | 1, 12 | 3 | - | - | 3 |
| | | | 1, 12 1, 2, 12, PSO1 | 3 | - | - | 3 |
| 1 | 21CE401 | Hydraulics and Hydraulic Machinery | 1, 2, 12, | | - | | |
| 2 | 21CE401 21CE402 | Hydraulics and Hydraulic Machinery Soil Mechanics | 1, 2, 12, PSO1 | 3 | - | - | 3 |
| 1 2 3 | 21CE401 21CE402 21CE403 | Hydraulics and Hydraulic Machinery Soil Mechanics Solid Mechanics II | 1, 2, 12, PSO1 1, 12 | 3 | - | - | 3 |
| 1 2 3 4 | 21CE401 21CE402 21CE403 21CE404 | Hydraulics and Hydraulic Machinery Soil Mechanics Solid Mechanics II Structural Analysis | 1, 2, 12, PSO1 1, 12 1, 12 | 3 3 3 | - | - | 3 3 3 |
| 1 2 3 4 5 | 21CE401 21CE402 21CE403 21CE404 21CE405 | Hydraulics and Hydraulic Machinery Soil Mechanics Solid Mechanics II Structural Analysis Transportation Engineering Fluid Mechanics and Hydraulic Machinery | 1, 2, 12, PSO1 1, 12 1, 12 3, 12, PSO2 | 3 3 3 | - | - - - 2 | 3 3 3 4 |
| 1 2 3 4 5 | 21CE401 21CE402 21CE403 21CE404 21CE405 21CE406 | Hydraulics and Hydraulic Machinery Soil Mechanics Solid Mechanics II Structural Analysis Transportation Engineering Fluid Mechanics and Hydraulic Machinery Laboratory | 1, 2, 12, PSO1 1, 12 1, 12 3, 12, PSO2 1, 4 | 3 3 3 - | | - - 2 3 | 3 3 3 4 1.5 |
| 1 2 3 4 5 6 7 | 21CE401 21CE402 21CE403 21CE404 21CE405 21CE406 21CE407 | Hydraulics and Hydraulic Machinery Soil Mechanics Solid Mechanics II Structural Analysis Transportation Engineering Fluid Mechanics and Hydraulic Machinery Laboratory Soil Mechanics Laboratory | 1, 2, 12, PSO1 1, 12 1, 12 3, 12, PSO2 1, 4 1, 4 1,2,5,8,10, | 3 3 3 - | | - - 2 3 | 3 3 3 4 1.5 |

Comment [114]: Revised and update 15th BoS dated 04.09.2021.

Comment [115]: Revised and update 15th BoS dated 04.09.2021.

GMR Institute of Technology An Autonomous Institute Affiliated to JNTUK, Kakinada



GMR INSTITUTE OF TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING 15th Board of Studies Meeting

Faculty Attended

26.03.2022

| Name | Designation | Signature |
|----------------------------|---|------------------|
| Dr. D Rama Seshu | | Julian |
| - 1 2 Maria Oceria | Professor/Civil NIT Warangal | A |
| Dr. P.Rajasekhar | Professor/Civil Osmania University, Hyderabad | 16ip |
| Dr. BVS Viswanadham | Professor/Civil IIT Bombay | Busylinaan adham |
| Dr. T.V. Praveen | Professor/Civil Andhra University, Vishakhapatnam | munp |
| Dr. K Ramu | Professor/Civil JNTU Kakinada Kakinada | hear |
| Er. B Narendra Kumar | M.D, Viswanadh Avenues | AA. |
| Or. A Vijayakumar | Professor/GMRIT | W |
| Dr. G. Ganesh Prabhu | Professor/GMRIT | A. |
| Pr.J. Sridhar | Associate Professor/GMRIT | |
| r. Jyoti Prakash Giri | Assistant Professor/GMRIT | Nev. |
| lr. U Siva Rama Krishna | Assistant Professor/GMRIT | |
| r. Naga Siva Pavani Peraka | Assistant Professor/GMRIT | Sant - |
| r. P. Sarath Chandra | Assistant Professor/GMRIT | Alke. |
| r. S.S.G. Prasad | Assistant Professor/GMRIT | 1 |

| Dr. R. Gokulan | Assistant Professor/GMRIT | X |
|------------------------------|---------------------------|---------------|
| Dr. Madhusmita Ghadai | Assistant Professor/GMRIT | Plota |
| Dr. A Arun Solomon | Assistant Professor/GMRIT | Same |
| Mr. B.P.R.V.S.Priyatham | Assistant Professor/GMRIT | p |
| Mr. K.Naga Rajesh | Assistant Professor/GMRIT | 62 |
| Mr. Bimalendu Dash | Assistant Professor/GMRIT | Boash. |
| Mr. B A V Ram Kumar | Assistant Professor/GMRIT | N |
| Mr. P. Ramu | Assistant Professor/GMRIT | Cont |
| Mr. S.H. Vamsi Krishna | Assistant Professor/GMRIT | Glews! |
| Mr. G. Madhava Krishna Reddy | Assistant Professor/GMRIT | Wrody & |
| Ms. Reshma das Mohapatra | Assistant Professor/GMRIT | Bulo |
| Mr. R. Karthik | Assistant Professor/GMRIT | Ja Rich |
| Mr. K. Raviteja | Assistant Professor/GMRIT | the Cozyalia. |
| Mr. K S R Kumar | Assistant Professor/GMRIT | KS-RK4 |
| Mr. K Srikanth | Assistant Professor/GMRIT | +62 |
| Ms. S. Sowjanya | Assistant Professor/GMRIT | - |
| Mr. V Raja Sekhar | Assistant Professor/GMRIT | - |

Department of Civil Engineering

15th Board of Studies (Virtual) Meet 26 March 2022, 10-30 AM Minutes of the Meeting

| S.No | Points Discussed | Remarks |
|------|---|---------|
| 1. | Welcoming Dr. K Ramu, Professor, JNTU Kakinada as the External BoS Member: Dr. A Vijaya Kumar welcomed the panel members and introduced the new BoS member, Dr. K Ramu, Professor, Department of Civil Engineering, JNTU Kakinada. Professor is nominated by the Institute committee to act as a JNTUK nominated BoS member to monitor the curriculum, and academic related activities. The panel members greeted Dr. K Ramu and proceeded with the discussion. | |
| 2. | 14 th BoS: Action Taken Report Approved by the Panel | |
| 3. | Review & Finalization of Electives in 7 th and 8 th Semesters of AR19 and AR20: Course structure is approved by the panel members | |
| 4. | 19CEC13 Building Information Modeling: Panel members enquired about the availability of required software packages at the institute to impart practical knowledge to the students. Dr. A Vijaya Kumar responded that the REVIT and NAVISWORKS software packages are available at the department computing facility. Panel approved the course. | |

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|---------------|---------------------|-------------------|--------------------------------------|----------------------------------|-----------------------|----------------------|
| Dr. K Ramu | Dr. BVS Viswanadham | Dr. D. Rama Seshu | Dr. T.V. Praveen | Dr. P. Rajasekhar | Mr. B. Narendra Kumar | Mr. G. Suresh |
| JNTU Kakinada | IIT Bombay | NIT Warangal | Andhra University, Vishakhapatnam | Osmania University, Hyderabad | Viswanadh Avenues | AEE, Dept. of WRE AP |

| | | 1 |
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| 5. | 19CEC23 Highway Project Formulation and Economics: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 6. | 19CEC33 BIM for Pre-Engineered Building: Panel members asked about the basic difference between the courses 19CEC13 and 19CEC33. Dr. Arun and Dr. A Vijaya Kumar responded that 19CEC33 specifically explains the modeling of Pre-Engineered building aspects in BIM, while 19CEC13 discusses most of the aspects of BIM. Panel approved the course. | |
| 7. | 19CE010 Construction Economics and Finance: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 8. | 19CE011 Advanced Reinforced Concrete Design: The title of Unit -III (Combined and Pile Foundation) needs revision. Panel members reviewed the textbooks and references given for the course and suggested to include "Sub-Structural Design" by Swami Saran in the list of references | |
| 9. | 19CE012 Construction Methods and Equipment: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 10. | 19CE013 Basics of Dynamics and Earthquake Engineering: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 11. | 19CE014 Pavement Analysis and Design: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 12. | 19CE015 Prestressed Concrete Structures: External panel members discussed with the faculty to know whether the advanced topics are included in the curriculum. The faculty stated that the fundamental concepts are only studied at UG level while the advanced topics will be studied in M.Tech. | |

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| Dr. K Ramu | Dr. BVS Viswanadham | Dr. D. Rama Seshu | Dr. T.V. Praveen | Dr. P. Rajasekhar | Mr. B. Narendra Kumar | Mr. G. Suresh |
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| | The panel approved the course contents. | |
| 13. | 19CE016 Repair and Rehabilitation of Structures: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 14. | 19CE017 Remote Sensing and GIS: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 15. | 19CE018 Pavement Management System: Panel members reviewed the course contents and approved the course for inclusion in the AR19 and AR20 curricula. | |
| 16. | Additional electives in M.Tech curriculum: The existing M.Tech curriculum structure, courses, and titles were approved by the panel in the 14 th BoS meeting. As per the recommendations made in the National Education Policy and the guidelines given by AICTE, additional electives are prepared to provide ample scope for the students to update their skills on cutting edge technologies in multidisciplinary environment. Therefore, AR16 PG regulations (M.Tech in Transportation Engineering) of GMRIT, three compulsory courses and two electives are now offered in the 1 st and 2 nd semesters. So, in the current BoS, the revised list of electives are presented to the panel members for approval. The panel approved the same. | |
| 17. | Honors and Minors courses: The revised list of honors and existing minor courses are presented to the panel members for approval. The panel approved the same. | |
| 18. | Open Electives: Panel members approved the course contents of open electives offered by the departments in 7th and 8th semesters. Panel members also appreciated the department for offering Green Buildings and Disaster Management courses as Open Electives. | |

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| 19. | Approval for readmitted students with transitory regulations: Panel approved the readmission of a student who discontinued the course in AR16 and readmitted in AR19 with transitory regulations. Panel also approved that the student can now continue the course work according to AR16 regulation. | | | | | | |
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| 20. | Updating of program wise subject expert lists The panel approved the subject experts list for civil engineering courses | | | | | | |
| 21. | Question banks: Panel members suggested to mark the level of difficulty of the questions so that the automated question paper setting algorithm could be controlled. Also, panel members suggested that the moderator should maintain the confidentiality and closely monitor to avoid repetition of questions in the examinations. Software packages: Panel members enquired about the availability of software packages at the institute to impart practical knowledge to the students. Dr. A Vijaya Kumar informed that AUTOCAD, REVIT, NAVISWORKS, STAADPro, ArcGIS, FEFLOW, IITPAVE, and other modelling software are available at the department computing facility. Reflections: Dr. A Vijaya Kumar mentioned that the department currently had 11 doctorates and remaining faculty members are pursuing Ph.D. Professor also presented the placement status of the department. | | | | | | |

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Coordinator(s)

HoD-CIVIL

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