



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Approved by AICTE, Accredited by NAAC 'A+' Grade, Recognized under 2(f) and 12(b) of UGC, Permanently Affiliated to JNTUK, Kakinada
DEPARTMENT OF MECHANICAL ENGINEERING

4 Years B.Tech. (Mechanical Engineering) Course Structure: (2021-22)

GRBT-20 COURSE STRUCTURE

DEPARTMENT OF MECHANICAL ENGINEERING



Godavari Institute of Engineering & Technology

Approved By AICTE NAAC 'A+' Grade Recognized by UGC, U/Sec.2(f)&12(B) Permanent
Affiliation by JNTUK, GIET Campus, Chaitanya Knowledge city, NH-16, Rajahmundry, East Godavari,
A.P. Tel: +91-883-2484828-31 www.giet.ac.in


















GRBT- 20 COURSE STRUCTURE

Mechanical Engineering

I B. Tech. I Semester

| S. No | Category | Course Code | Subject Title | Hours per Week | | | Credits | Internal | External | Total |
|-----------------|----------|--------------|---|----------------|----------|-----------|-------------|------------|------------|------------|
| | | | | L | T | P | | | | |
| 1 | BSC | 201HB101 | Mathematics-I | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | HSMC | 201HB102 | Communicative English-I | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | BSC | 201HB103b | Engineering Chemistry | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | ESC | 201EE104 | Basic Electrical and Electronics Engineering | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 5 | ESC | 201ME105 | Engineering Graphics | 1 | 0 | 4 | 3 | 30 | 70 | 100 |
| 6 | BSC | 201HB111b | Engineering Chemistry Laboratory | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 7 | ESC | 201EE112 | Basic Electrical and Electronics Engineering Laboratory | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 8 | ESC | 201ME113d | Basic Engineering Workshop | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| Total | | | | 13 | 0 | 13 | 19.5 | 300 | 500 | 800 |
| BSC =7.5 | | ESC=9 | HSMC=3 | | | | | | | |

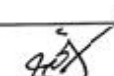
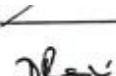
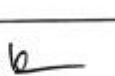



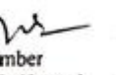

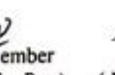
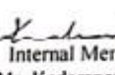

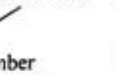

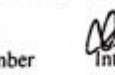

| | | | | |
|---|--|--|--|---|
|  University Nominee (Dr. B. Balakrishna) |  Subject Expert (Dr. D. Ravi Kumar) |  Industrial Expert (Mr. Rajiv Aramadaka) |  Internal Member (Dr. P.M.M.S. Sarma) |  Special Invitee Member (Dr. M.V. Sekhar Baba) |
|  Internal Member (Dr. P. Jayananda Kumar) |  Internal Member (Dr. D. Santha Rao) |  Internal Member (Mr. Kedarath M) |  Internal Member (Mr. B.Joga Rao) |  Internal Member (Mrs. E. Nirmala Devi) |
|  Internal Member (Mr. M. Balakrishna) |  Internal Member (Mr. A. Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, BOS (Dr. M. Sreenivasa Rao) |

GRBT- 20 COURSE STRUCTURE

Mechanical Engineering

I B.Tech. II Semester

| S. No | Category | Course Code | Subject Title | Periods per Week | | | Credits | Internal | External | Total |
|----------------|----------|-----------------|---|------------------|----------|----------|-------------|------------|------------|------------|
| | | | | L | T | P | | | | |
| 1 | BSC | 201HB201 | Mathematics-II | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | BSC | 201HB202b | Engineering Physics | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | ESC | 201ME203a | Engineering Mechanics | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | ESC | 201CS204a | Fundamentals of Computer Programming | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 5 | ESC | 201ME205 | Material Science and Metallurgy | 3 | 0 | 0 | 3 | 50 | 50 | 100 |
| 6 | BSC | 201HB211b | Engineering Physics Laboratory | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 7 | HSMC | 201HB212 | Communicative English Laboratory | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 8 | ESC | 201CS213a | Fundamentals of Computer Programming Laboratory | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 9 | MC | 201HB296 | Environmental Studies | 2 | 0 | 0 | 0 | 100* | - | - |
| Total | | | | 17 | 0 | 9 | 19.5 | 320 | 480 | 800 |
| BSC=7.5 | | ESC=10.5 | HSMC=1.5 | | | | | | | |


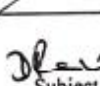




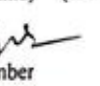




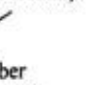



| | | | | |
|---|--|--|--|---|
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|  Internal Member (Mr.M. Balakrishna) |  Internal Member (Mr.A.Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, Board (Dr. M. Sreenivasa Rao) |

GRBT- 20 COURSE STRUCTURE

Mechanical Engineering

II B.Tech. III Semester

| S. No | Category | Course Code | Subject Title | Hours per Week | | | Credits | Internal | External | Total |
|---------------|-----------|-----------------|---|----------------|----------|-----------|-------------|------------|------------|------------|
| | | | | L | T | P | | | | |
| 1 | BSC | 201HB301 | Mathematics-III | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | PCC | 201ME302 | Mechanics of Solids | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | PCC | 201ME303 | Production Technology | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | PCC | 201ME304 | Thermodynamics | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 5 | PCC | 201ME305 | Fluid Mechanics & Hydraulic Machinery | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 6 | PCC (LAB) | 201ME311 | Fluid Mechanics & Hydraulic Machinery Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 7 | PCC (LAB) | 201ME312 | Mechanics of Solids & Metallurgy lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 8 | PCC (LAB) | 201ME313 | Computer Aided Design and Modelling Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 9 | SOC | 201CS381 | Programming with Python | 0 | 1 | 2 | 2 | ---- | 50 | 50 |
| 10 | MC | 201CE391 | Constitution of India | 2 | 0 | 0 | 0 | 30 | 70* | 100 |
| Total | | | | 17 | 1 | 11 | 21.5 | 330 | 620 | 950 |
| BSC =3 | | PCC=16.5 | SOC=2 | | | | | | | |

| | | | | |
|---|--|--|---|---|
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|  Internal Member (Mr. M. Balakrishna) |  Internal Member (Mr. A. Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G. Ramakrishna) |  Chairman, Board (Dr. M. Sreenivasa Rao) |

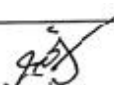
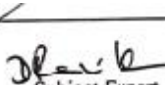
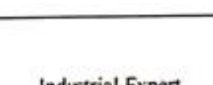



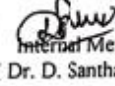
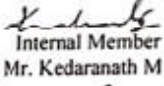
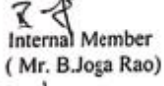
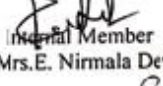


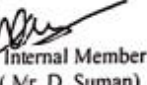
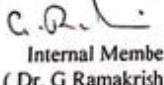

GRBT- 20 COURSE STRUCTURE

Mechanical Engineering

II B. Tech. IV Semester

| S. No | Category | Course Code | Subject Title | Periods per Week | | | Credits | Internal | External | Total |
|--|-----------|-----------------|--|------------------|--------------|-----------|-------------|------------|------------|------------|
| | | | | L | T | P | | | | |
| 1 | BSC | 201HB401 | Probability and Statistics | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | PCC | 201ME402 | Kinematics of Machinery | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | PCC | 201ME403 | Thermal Engineering | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | HSS | 201ME404 | Industrial Engineering and Management | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 5 | PCC (LAB) | 201ME411 | Numerical Modelling for Mechanical Engineers | 2 | 0 | 2 | 3 | 50 | 50 | 100 |
| 6 | PCC (LAB) | 201ME412 | Production Technology Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 7 | PCC (LAB) | 201ME413 | Thermal Engineering Lab. | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 8 | PCC (LAB) | 201ME414 | Computer Aided Machine Drawing | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 9 | SOC | 201HB481 | English for Career | 0 | 1 | 2 | 2 | --- | 50 | 50 |
| | | | | 14 | 1 | 13 | 21.5 | 320 | 530 | 850 |
| Honors/Minor courses(The hours distribution can be 3-0-2 or 3-1-0 also) | | | | 4 | 0 | 0 | 4 | | | |
| BSC=3 | | PCC=10.5 | ESC=3 | SOC=2 | HSS=3 | | | | | |

At the end of II Year II semester, student must complete Summer Internship

| | | | | |
|---|--|--|--|---|
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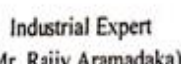




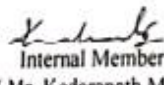

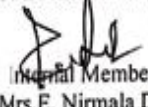
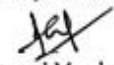


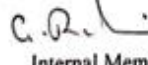
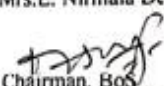
GRBT- 20 COURSE STRUCTURE

Mechanical Engineering

III B. Tech. V Semester

| S. No | Category | Course Code | Subject Title | Periods per Week | | | Credits | Internal | External | Total |
|-------|-----------|-------------|---|------------------|---|---|---------|----------|----------|-------|
| | | | | L | T | P | | | | |
| 1 | PCC | 201ME501 | Dynamics of Machinery | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | PCC | 201ME502 | Heat Transfer | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | PCC | 201ME503 | Metal Cutting and Machine Tools | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | PEC | | Professional Elective -1 | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201ME564A | A. Fuels Combustion and Emission control | | | | | | | |
| | | 201ME564B | B. Tribology | | | | | | | |
| | | 201ME564C | C. Industrial Robotics | | | | | | | |
| | | 201ME564D | D. Advanced Materials | | | | | | | |
| 5 | OEC | | Open Elective-1 | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201CE565a | a. Environmental Pollution & Control | | | | | | | |
| | | 201EE565a | b. Fundamentals of Utilization of Electrical Energy | | | | | | | |
| | | 201EC565a | c. Microprocessors and its Interfacing | | | | | | | |
| | | 201CS565a | d. Foundations of Operating Systems | | | | | | | |
| | | 201AM565a | e. Basic Automobile Engineering | | | | | | | |
| | | 201MM565a | f. Elements of Mining Technology | | | | | | | |
| | | 201PT565a | g. Fundamentals of Petroleum Engineering | | | | | | | |
| | | 201MB565a | h. Principles of Management | | | | | | | |
| 6 | MC | 201MB591 | IPR and Patents | 2 | 0 | 0 | 0 | 30 | 70* | 100 |
| 7 | PCC (LAB) | 201ME511 | Theory of Machines Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 8 | PCC (LAB) | 201ME512 | Machine Tools Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |

| | | | | | | | | | | |
|---|--|----------------|--|-----------------|----------|------------------------------|-------------|--------------|------------|------------|
| 9 | SOC (LAB) | 201ME581 | Modelling and Simulation of Mechanical Systems | 0 | 1 | 2 | 2 | -- | 50 | 50 |
| 10 | 201ME531-Summer Internship/ 201ME521-Mini Project-1 | | | 0 | 0 | 0 | 1.5 | 100 | -- | 100 |
| Total | | | | 16 | 1 | 10 | 21.5 | 380 | 500 | 850 |
| Honors/Minor courses(the hours distribution can be 3-0-2 or 3-1-0 also | | | | 4 | 0 | 0 | 4 | | | |
| SOC = 2 | | OEC = 3 | | PCC = 12 | | Summer Internship=1.5 | | PEC=3 | | |

| | | | | |
|---|--|--|---|--|
|  University Nominee (Dr. B. Balakrishna) |  Subject Expert (Dr. D. Ravi Kumar) |  Industrial Expert (Mr. Rajiv Aramadaka) |  Internal Member (Dr. P.M.M.S. Sarma) |  Special Invitee Member (Dr. M.V.Sekhar Babu) |
|  Internal Member (Dr. P. Jayananda Kumar) |  Internal Member (Dr. D. Santha Rao) |  Internal Member (Mr. Kedarath M) |  Internal Member (Mr. B.Joga Rao) |  Internal Member (Mrs.E. Nirmala Devi) |
|  Internal Member (Mr.M. Balakrishna) |  Internal Member (Mr.A.Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, BOS (Dr. M. Sreenivasa Rao) |

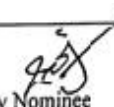
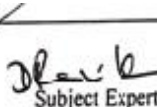




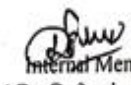
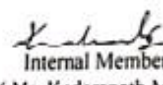

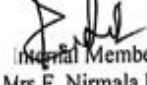



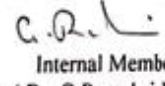
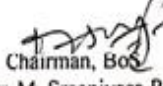
**GRBT- 20 Course Structure
Mechanical Engineering
III B. Tech. VI Semester**

| S. NO | Category | Course Code | Subject Title | Periods per Week | | | Credits | Internal | External | Total |
|-------|-----------|--------------------------|---|------------------|---|---|---------|----------|----------|-------|
| | | | | L | T | P | | | | |
| 1 | PCC | 201ME601 | Design of Machine Members | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 2 | PCC | 201ME602 | Engineering Metrology and Instrumentation | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 3 | PCC | 201ME603 | CAD/CAM | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 4 | PEC | Professional Elective -2 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201ME664A | A. Refrigeration and Air Conditioning | | | | | | | |
| | | 201ME664B | B. Mechatronics | | | | | | | |
| | | 201ME664C | C. Advanced Foundry and Welding Technology | | | | | | | |
| | | 201ME664D | D. Non Destructive Evaluation | | | | | | | |
| 5 | OEC | Open Elective – 2 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201CE665a | a. Solid Waste Management | | | | | | | |
| | | 201EE665a | a. Concepts of Power System Engineering | | | | | | | |
| | | 201EC665a | a. IoT and its Applications | | | | | | | |
| | | 201CS665a | a. Fundamentals of Databases | | | | | | | |
| | | 201AM665a | a. Hybrid and Electric Vehicles | | | | | | | |
| | | 201MM665a | a. Open Pit Slope Analysis and Design | | | | | | | |
| | | 201PT665a | a. Basic Concepts in Petroleum Drilling Engineering | | | | | | | |
| | | 201MB665a | Operations Management | | | | | | | |
| | MC | 201HB691 | Quantitative Aptitude and Reasoning | 2 | 0 | 0 | 0 | 30 | 70* | 100 |
| 6 | PCC (LAB) | 201ME611 | Heat Transfer Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 7 | PCC (LAB) | 201ME612 | Metrology and Instrumentation Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |

| | | | | | | | | | | |
|-----------------------------|-----------|----------|----------------------------------|-----------|----------|-----------|-------------|------------|------------|------------|
| 8 | PCC (LAB) | 201ME613 | Computer Aided Manufacturing Lab | 0 | 0 | 3 | 1.5 | 50 | 50 | 100 |
| 9 | SOC (LAB) | 201ME681 | Finite Element Analysis | 0 | 1 | 2 | 2 | --- | 50 | 50 |
| Total | | | | 16 | 1 | 13 | 21.5 | 300 | 550 | 850 |
| Honors/Minor courses | | | | 4 | 0 | 0 | 4 | | | |

Industrial /Research Internship/Mini Project-2 months (Mandatory) during summer vacation
















| | | | |
|----------------|----------------|-------------------|---------------|
| PEC = 3 | OEC = 3 | PCC = 13.5 | SOC =2 |
|----------------|----------------|-------------------|---------------|

| | | | | |
|--|---|--|---|---|
|  University Nominee (Dr. B. Balakrishna) |  Subject Expert (Dr. D. Ravi Kumar) |  Industrial Expert (Mr. Rajiv Aramadaka) |  Internal Member (Dr. P.M.M.S. Sarma) |  Special Invitee Member (Dr. M.V. Sekhar Baba) |
|  Internal Member (Dr. P. Jayananda Kumar) |  Internal Member (Dr. D. Santha Rao) |  Internal Member (Mr. Kedarath M) |  Internal Member (Mr. B.Joga Rao) |  Internal Member (Mrs.E. Nirmala Devi) |
|  Internal Member (Mr.M. Balakrishna) |  Internal Member (Mr.A.Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, BoS (Dr. M. Sreenivasa Rao) |

**GRBT- 20 Course Structure
Mechanical Engineering
IV B. Tech. VII Semester**



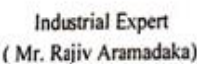
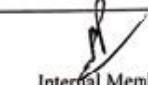
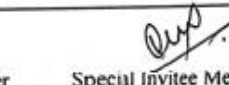
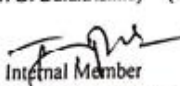
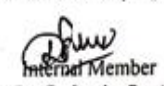
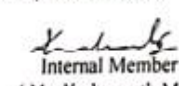

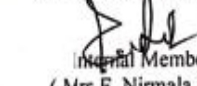
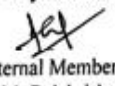


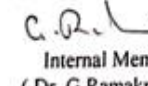

| S. NO | Category | Course Code | Subject Title | Periods per Week | | | Credits | Internal | External | Total |
|-------|----------|---------------------------|--|------------------|---|---|---------|----------|----------|-------|
| | | | | L | T | P | | | | |
| 1 | PEC | Professional Elective -3 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201ME761A | A. Design of Transmission Elements | | | | | | | |
| | | 201ME761B | B. Mechanical Vibrations | | | | | | | |
| | | 201ME761C | C. Automobile Engineering | | | | | | | |
| | | 201ME761D | D. Advanced Manufacturing Processes | | | | | | | |
| 2 | PEC | Professional Elective - 4 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201ME762A | A. Operations Research | | | | | | | |
| | | 201ME762B | B. Micro Electro Mechanical Systems | | | | | | | |
| | | 201ME762C | C. Design for Manufacturing | | | | | | | |
| | | 201ME762D | D. Automation in Manufacturing | | | | | | | |
| 3 | PEC | Professional Elective-5 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201ME763A | A. Power Plant Engineering | | | | | | | |
| | | 201ME763B | B. Nano Technology | | | | | | | |
| | | 201ME763C | C. Additive Manufacturing | | | | | | | |
| | | 201ME763D | D. Production Planning and Control | | | | | | | |
| 4 | OEC | Open Elective-3 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201CE764a | a. Building Technology | | | | | | | |
| | | 201EE764a | b. Fundamentals of smart grid technologies | | | | | | | |
| | | 201EC764a | c. Introduction to Embedded Systems | | | | | | | |
| | | 201CS764a | d. Information Security | | | | | | | |
| | | 201AM764a | e. Modern Vehicle Technology | | | | | | | |
| | | 201MM764a | f. Mining and its Importance | | | | | | | |
| | | 201PT764a | g. Basic Concepts in Reservoir Engineering | | | | | | | |
| | | 201MB764a | h. Entrepreneurship for Engineers | | | | | | | |

| | | | | | | | | | | |
|-----------------------------|--|-----------------|--|---------------|----------|----------------|-----------|---------------|------------|------------|
| 5 | OEC | Open Elective-4 | | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| | | 201CE765a | a. Safety Engineering | | | | | | | |
| | | 201EE765a | b. Basics of Electrical Measurements and Instrumentation | | | | | | | |
| | | 201EC765a | c. Fundamentals of Digital Image Processing | | | | | | | |
| | | 201CS765a | d. Human computer Interaction | | | | | | | |
| | | 201AM765a | e. Alternative Energy Resources for Auto-motives | | | | | | | |
| | | 201MM765a | f. Remote Sensing & GIS in Mining | | | | | | | |
| | | 201PT765a | g. Introduction to Petroleum Production Engineering | | | | | | | |
| | | 201MB765a | h. Digital Marketing | | | | | | | |
| 6 | HSSC | 201HB781 | UHV 2 –Understanding Harmony | 3 | 0 | 0 | 3 | 30 | 70 | 100 |
| 7 | SOC | 201ME781 | Computational Fluid Dynamics Lab | 0 | 1 | 2 | 2 | --- | 50 | 50 |
| 8 | 201ME731-Industrial /Research Internship/ 201ME721-Mini Project-2 | | | 0 | 0 | 0 | 3 | 100 | --- | 100 |
| Total | | | | 16 | 1 | 6 | 23 | 280 | 470 | 750 |
| Honors/Minor courses | | | | 4 | - | 0 | 4 | | | |
| PEC = 9 | | SOC=2 | | PROJ=3 | | OEC = 6 | | HSMC=3 | | |

| | | | | |
|---|--|--|--|---|
|  University Nominee (Dr. B. Balakrishna) |  Subject Expert (Dr. D. Ravi Kumar) |  Industrial Expert (Mr. Rajiv Aramadaka) |  Internal Member (Dr. P.M.M.S. Sarma) |  Special Invitee Member (Dr. M.V. Sekhar Babu) |
|  Internal Member (Dr. P. Jayananda Kumar) |  Internal Member (Dr. D. Santha Rao) |  Internal Member (Mr. Kedarath M) |  Internal Member (Mr. B. Joga Rao) |  Internal Member (Mrs. E. Nirmala Devi) |
|  Internal Member (Mr. M. Balakrishna) |  Internal Member (Mr. A. Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, BoS (Dr. M. Sreenivasa Rao) |

GRBT- 20 Course Structure
Mechanical Engineering
IV B. Tech VIII Semester

| S. NO | Category | Code | Course Title | Hours per Week | | | Credits | Internal | External | Total |
|--------------|---------------|----------|--------------|----------------|---|----|-----------|----------|----------|-------|
| | | | | L | T | P | | | | |
| 1 | Major Project | 201ME841 | Project work | 0 | 0 | 18 | 12 | 40 | 160 | 200 |
| Total | | | | | | | 12 | | | |

| | | | | |
|---|--|---|--|---|
|  University Nominee (Dr. B. Balakrishna) |  Subject Expert (Dr. D. Ravi Kumar) |  Industrial Expert (Mr. Rajiv Aramadaka) |  Internal Member (Dr. P.M.M.S. Sarma) |  Special invitee Member (Dr. M.V. Sekhar Babu) |
|  Internal Member (Dr. P. Jayananda Kumar) |  Internal Member (Dr. D. Santha Rao) |  Internal Member (Mr. Kedaranath M) |  Internal Member (Mr. B.Joga Rao) |  Internal Member (Mrs.E. Nirmala Devi) |
|  Internal Member (Mr.M. Balakrishna) |  Internal Member (Mr.A. Babji) |  Internal Member (Mr. D. Suman) |  Internal Member (Dr. G Ramakrishna) |  Chairman, BOS (Dr. M. Sreenivasa Rao) |