



Department of Mechanical Engineering

1. About the Department

The Department of Mechanical Engineering was established in the year 2010. At present, the department offers Graduate, and Doctoral degree courses. Mechanical Engineering Department is highly reputed for producing eminent engineers as professionals, researchers and entrepreneurs. Department has strong industry-institute collaboration and has well-equipped laboratories such as Refrigeration and Air Conditioning, Fluid Power and Fluid Machinery, Fuel testing, IC Engines, etc. Many of its alumni occupy key positions in industries and institutions in India and abroad. The department is proud to be collaborated with well-known industries in niche areas.

Head of Department : Prof. Banoth Mohan

Email ID : mohan_mech@chaitanya.edu.in

2. Courses Offered / Syllabus

- Courses Offered: 1: B.Tech in Mechanical Engineering, Sanctioned Strength – 30
2: Ph.D in Mechanical Engineering
- Syllabus for B.Tech in Mechanical Engineering

DETAILED 4-YEAR CURRICULUM CONTENTS

Semester III (Second year): Curriculum Branch/Course: Mechanical Engineering

| Sl. No. | Type of course | Code | Course Title | Hours per week | | | Credits |
|---------|-----------------------|----------|---|----------------|----------|-----------|---------|
| | | | | Lecture | Tutorial | Practical | |
| 1 | Basic Science Courses | BSC- 301 | Mathematics III (Statistics, Probability, And Numerical Techniques) | 3 | 1 | 0 | 4 |

| | | | | | | | |
|----------------------|---|------------|--------------------------------|---|---|---|-----------|
| 2 | Professional Core Courses | PCC- ME301 | Thermodynamics | 3 | 1 | 0 | 4 |
| 3 | Professional Core courses | PCC-ME302 | Manufacturing Technology- 1 | 3 | 1 | 0 | 4 |
| 4 | Humanities and Social Sciences including Management courses | HSMC301 | Humanities-I (Law and Ethics) | 3 | 0 | 0 | 3 |
| 5 | Engineering Science Course | ESC-301 | Engineering Mechanics | 3 | 1 | 0 | 4 |
| 6 | Engineering Science Course | ESC 302 | Python Programming | 3 | 0 | 0 | 3 |
| 7 | Mandatory Course | MC-II | NSS/Sports | 2 | 0 | 0 | 0 |
| 8 | Professional Core Course Lab | PCC-ME302L | Manufacturing Technology-1 Lab | 0 | 0 | 2 | 1 |
| 9 | Engineering Science Course Lab | ESC 302L | Python Programming Lab | 0 | 0 | 2 | 1 |
| 10 | Seminars | | | 0 | 0 | 2 | 1 |
| Total Credits | | | | | | | 25 |

DETAILED 4-YEAR CURRICULUM CONTENTS

**Semester IV (Second year) Curriculum
Branch/Course: Mechanical Engineering**

| Sl. No. | Type of course | Code | Course Title | Hours per week | | | Credits |
|---------|---------------------------|-------------|----------------------------------|----------------|----------|-----------|---------|
| | | | | Lecture | Tutorial | Practical | |
| 1 | Professional Core courses | PCC- ME405 | Instrumentation & Control system | 3 | 1 | 0 | 4 |
| 2 | Professional Core courses | PCC -ME404 | Manufacturing Technology -2 | 3 | 0 | 0 | 3 |
| 3 | Professional Core courses | PCC- ME 401 | Strength of Materials | 3 | 1 | 0 | 4 |

| | | | | | | | |
|----|---|--------------|------------------------------------|---|---|---|-----------|
| 4 | Professional Core courses | PCC- ME 402 | Applied Thermodynamics | 3 | 1 | 0 | 4 |
| 5 | Humanities and Social Sciences including Management courses | HSMC401 | Humanities-II (Operation Research) | 3 | 0 | 0 | 3 |
| 6 | Professional Core courses | PCC-ME403 | Machine Drawing Practice | 1 | 0 | 4 | 3 |
| 7 | Mandatory courses | MC-III | Environmental Science | 2 | 0 | 0 | 0 |
| 8 | Professional Core courses Lab | PCC- ME 401L | Strength of Materials Lab | 0 | 0 | 2 | 1 |
| 9 | Professional Core courses Lab | PCC - ME404L | Manufacturing Technology -2 Lab | 0 | 0 | 2 | 1 |
| 10 | Seminars | | | 0 | 0 | 2 | 1 |
| | | | Total Credits | | | | 24 |

DETAILED 4-YEAR CURRICULUM CONTENTS

**Semester V (Third year) Curriculum
Branch/Course: Mechanical Engineering**

| Sl. No. | Type of course | Code | Course Title | Hours per week | | | Credits |
|---------|---------------------------|------------|--|----------------|----------|-----------|---------|
| | | | | Lecture | Tutorial | Practical | |
| 1 | Professional Core courses | PCC- ME501 | Internal Combustion Engine | 3 | 1 | 0 | 4 |
| 2 | Professional Core courses | PCC- ME502 | Kinematics of Machinery | 3 | 1 | 0 | 4 |
| 3 | Professional Core courses | PCC- ME503 | Design of Machine Elements-I | 3 | 1 | 0 | 4 |
| 4 | Professional Core courses | PCC- ME504 | Fluid Mechanics and Hydraulic Machines | 3 | 1 | 0 | 4 |

| | | | | | | | |
|----------------------|---|-----------------|--|---|---|---|-----------|
| 5 | Professional Elective Course | PEC-MEL 511-513 | PEC Elective -I | 3 | 0 | 0 | 3 |
| 6 | Humanities and Social Sciences including Management courses | HSMC-501 | Management-I ("Management Economics and Accountancy) | 3 | 0 | 0 | 3 |
| 7 | Professional Core courses | PCC- ME501L | Internal Combustion Engine Lab | 0 | 0 | 2 | 1 |
| 8 | Professional Core courses | PCC- ME504L | Fluid Mechanics and Hydraulic Machines Lab | 0 | 0 | 2 | 1 |
| 9 | Seminar | | | 0 | 0 | 1 | 1 |
| Total Credits | | | | | | | 25 |

**Semester VI (Third year) Curriculum
Branch/Course: Mechanical Engineering**

| Sl. No. | Type of course | Code | Course Title | Hours per week | | | Credits |
|---------|-------------------------------|-----------------|---------------------------------------|----------------|----------|-----------|---------|
| | | | | Lecture | Tutorial | Practical | |
| 1 | Professional Core courses | PCC- ME601 | Heat Transfer | 3 | 1 | 0 | 4 |
| 2 | Professional Core courses | PCC- ME602 | Design of Machine Elements-II | 3 | 1 | 0 | 4 |
| 3 | Professional Core courses | PCC- ME603 | Introduction to Physical Metallurgy | 3 | 0 | 0 | 3 |
| 4 | Professional Elective courses | PEC-MEL 621-623 | PEC Elective-II | 3 | 0 | 0 | 3 |
| 5 | Open Elective courses | OEC 401-403 | Open Elective-I | 3 | 0 | 0 | 3 |
| 6 | Mandatory Course | MC – IV | Essence of Indian Knowledge Tradition | 0 | 0 | 0 | 0 |

| | | | | | | | |
|----|-----------------------------|------------|-------------------------|---|---|----------------------|-----------|
| 7 | Professional Core courses | PCC-ME603L | Physical Metallurgy Lab | 0 | 0 | 2 | 1 |
| 8 | Professional Core courses | PCC-ME601L | Heat Transfer Lab | 0 | 0 | 2 | 1 |
| 9 | Project (Summer Internship) | PROJ-ME601 | Project-I | 0 | 0 | 6 | 3 |
| 10 | Seminar | | | 0 | 0 | 1 | 1 |
| | | | | | | Total Credits | 23 |

DETAILED 4-YEAR CURRICULUM CONTENTS

| |
|--------------------------------------|
| PROFESSIONAL ELECTIVE COURSES |
|--------------------------------------|

PROFESSIONAL ELECTIVE COURSES [PEC]

| Sl. No. | Code No. | Course Title | Hours per week | | | Total Credits | Semester |
|---------|-------------|------------------------------|----------------|----------|-----------|---------------|----------|
| | | | Lecture | Tutorial | Practical | | |
| 1 | PEC-MEL 511 | Computational Fluid Dynamics | 3 | 0 | 0 | 3 | 5 |
| 2 | PEC-MEL 512 | Tool Design | 3 | 0 | 0 | 3 | 5 |
| 3 | PEC-MEL 513 | Composite Materials | 3 | 0 | 0 | 3 | 5 |
| 4 | PEC-MEL 621 | Mechatronic systems | 3 | 0 | 0 | 3 | 6 |
| 5 | PEC-MEL 622 | Machine Tool and Metrology | 3 | 0 | 0 | 3 | 6 |
| 6 | PEC-MEL 623 | Total Quality Management | 3 | 0 | 0 | 3 | 6 |

DETAILED 4-YEAR CURRICULUM CONTENTS

OPEN ELECTIVE COURSES [OEC]

| OPEN ELECTIVE COURSES | | | | | | |
|-----------------------|----------|-----------------------------------|----------------|----------|-----------|---------------|
| Sl. No. | Code No. | Course Title | Hours per week | | | Total Credits |
| | | | Lecture | Tutorial | Practical | |
| 1 | | Cyber Security | 3 | 0 | 0 | 3 |
| 2 | | Internet of Things | 3 | 0 | 0 | 3 |
| 3 | | Sensor Networks | 3 | 0 | 0 | 3 |
| 4 | | Machine Learning | 3 | 0 | 0 | 3 |
| 5 | | Block Chain Technology | 3 | 0 | 0 | 3 |
| 6 | | Non conventional energy sources | 3 | 0 | 0 | 3 |
| 7 | | Electric vehicles | 3 | 0 | 0 | 3 |
| 8 | | Smart grid technologies | 3 | 0 | 0 | 3 |
| 9 | | Power electronics | 3 | 0 | 0 | 3 |
| 10 | | Special electrical machines | 3 | 0 | 0 | 3 |
| 11 | | Disaster Management | 3 | 0 | 0 | 3 |
| 12 | | Remote sensing and GIS | 3 | 0 | 0 | 3 |
| 13 | | Environmental impact Assessment | 3 | 0 | 0 | 3 |
| 14 | | Road safety and management | 3 | 0 | 0 | 3 |
| 15 | | Intelligent transportation system | 3 | 0 | 0 | 3 |
| 16 | | Embedded Systems | 3 | 0 | 0 | 3 |
| 17 | | Digital Image & Video Pprocessing | 3 | 0 | 0 | 3 |
| 18 | | VLSI | 3 | 0 | 0 | 3 |
| 19 | | Wireless Sensor Networks | 3 | 0 | 0 | 3 |

| | | | | | | |
|----|--|---|---|---|---|---|
| 20 | | Bio-Medical Electronics | 3 | 0 | 0 | 3 |
| 21 | | Microprocessor & Microcontrollers | 3 | 0 | 0 | 3 |
| 22 | | Fluid mechanics and hydraulic mechanics | 3 | 0 | 0 | 3 |
| 23 | | Power plant Engineering | 3 | 0 | 0 | 3 |
| 24 | | Elements of Mechanical Engineering | 3 | 0 | 0 | 3 |
| 25 | | Instrumentation & control system | 3 | 0 | 0 | 3 |

DETAILED 4-YEAR CURRICULUM CONTENTS

| |
|--------------------------|
| MANDATORY COURSES |
|--------------------------|

Mandatory Courses: [MC] -Non-Credit

| Sl. No. | Category | Course code | Course Title | Hours per Week | | | Credits | Semester |
|---------|------------------|-------------|---------------------------------------|----------------|---|---|---------|----------|
| | | | | L | T | P | | |
| 1 | Mandatory Course | MC-IV | Essence of Indian Knowledge Tradition | - | - | - | 0 | 5 |

➤ Syllabus for Ph.D in Mechanical Engineering

Course Structure and Syllabus For Pre Ph.D. DEPARTMENT OF MECHANICAL ENGINEERING

PAPER – I: RESEARCH METHODOLOGY

(Common for all Specializations) (Effective from the admitted batch 2021–22)

PAPER – II

Choose any **one** subject of the following

| Sl. .NO | PAPER | PAPER CODE |
|------------|--|---------------|
| 1 | Thermal Engineering | 20PH03101 |
| 2 | Mechanical Engineering Design | 20PH03102 |
| 3 | Industrial Engineering | 20PH03103 |
| 4 | Advanced Production Technology | 20PH03104 |
| 5 | Material Technology | 20PH03105 |
| 6 | Refrigeration Equipment and Cryogenic Engineering | 20PH03106 |
| 7 | Heat and Mass Transfer | 20PH03107 |
| 8 | I.C. Engines and Alternative Fuels | 20PH03108 |
| 9 | CAD Theory and Practice | 20PH03109 |
| 10 | Mechanical Vibrations and Condition Monitoring | 20PH03110 |
| 11 | Design for Manufacture | 20PH03111 |
| 12 | Special Manufacturing Processes | 20PH03112 |
| 13 | Industrial Robotics | 20PH03113 |
| 14 | Simulation Modeling and Analysis of Manufacturing Systems | 20PH03114 |
| 15 | Advanced Optimization Techniques | 20PH03115 |
| 16 | Logistics and Supply Chain Management | 20PH03116 |

| | | |
|----|----------------------------------|-----------|
| 17 | Advanced Operations Management | 20PH03117 |
| 18 | Mechanics of Composite materials | 20PH03118 |
| 19 | Energy Conservation | 20PH03119 |
| 20 | Computational Methods | 20PH03120 |

3. HoD/BoS Chairperson and BoS Members

BOARD OF STUDIES MEMBERS DETAILS IN THE DEPARTMENT OF MECHANICAL ENGINEERING OF CHAITANYA (DEEMED TO BE UNIVERSITY)

| S. No. | Name | Position |
|--------|---|----------------------------------|
| 1 | Prof.B.Mohan, Professor and HOD | Chairman |
| 2 | Dr. M.Srinivasnaik, Associate Professor | Member |
| 3 | Dr. G. Suresh, Associate Professor | Member |
| 4 | Dr. Sudipta Chand, Assistant Professor | Member |
| 5 | Mr.B.Raj Kumar, Assistant Professor | Member |
| 6 | Mr.S. Raju, Assistant Professor | Member |
| 7 | Mr.B. Srinath, Assistant Professor | Member |
| 8 | Mr.U. Raghupathi, Assistant Professor | Member |
| 9 | Dr.V.Nagabhushan Rao, Assistant Professor, IIT Madras | Co-opted Member & Subject Expert |
| 10 | Prof..B.Balunaik, Professor, JNTUH | Co-opted Member & Subject Expert |

External Member:

1. Dr. V.Nagabhushan Rao
Assistant Professor
Department of Aerospace Engineering
Indian Institute of Technolgy, Madras
Chennai, Tamil Nadu, 600036

2. Prof. B.Balunaik
Senior Professor & Director of University Foreign Relations,
Department of Mechanical Engineering
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085, Telangana, India

4. Departmental Research Committee

Approval of the constitution of Departmental Research Committee

Chairman of the Board of Studies places the Departmental Research Committee. The research activity of all the scholars in a department shall be monitored from time-to-time by the duly constituted DRC with the following members:

- a. Dean of the faculty concerned - Chairman
- b. Research Supervisors in the Department Members
- c. Chairman, Board of Studies concerned Member– Convener

FUNCTIONS OF DRC:

- i) To review the research proposal and finalize the topic of research;
- ii) To guide the research scholar to develop the study design and methodology of research
- iii) To periodically review and assist in the progress of the research work of the research scholar.
- iv) To make suggestions before the submission of the thesis/dissertation.

Departmental Research Committee of Department of Mechanical Engineering

| Sl. No | Name | Designation |
|--------|--|-------------|
| 1 | Prof. G. Shankar Lingam, Dean, Faculty of Engineering & Technology | Chairman |
| 2 | Dr.B.Mohan, Head, BoS Chairman | Convener |
| 3 | Dr.M.Srinivasnaik | Member |
| 4 | Dr.G. Suresh | Member |
| 5 | Dr. Sudipta Chand | Member |

5. Faculty in Department of Mechanical Engineering

| S.No. | Name | Date of Joining | Designation | Department |
|-------|-----------------------|-----------------|---------------------|------------------------|
| 1 | Prof. MOHAN BANOTH | 6/26/2010 | PROFESSOR | MECHANICAL ENGINEERING |
| 2 | Dr. SUDIPTA CHAND | 6/23/2021 | ASST PROFESSOR | MECHANICAL ENGINEERING |
| 3 | Dr. SURESH GUDIPUDI | 6/16/2021 | ASSOCIATE PROFESSOR | MECHANICAL ENGINEERING |
| 4 | Mr. RAGHUPATHI UDUTHA | 8/17/2016 | ASST PROFESSOR | MECHANICAL ENGINEERING |
| 5 | Mr. RAJU SURAM | 3/9/2017 | ASST PROFESSOR | MECHANICAL ENGINEERING |
| 6 | Mr. SRINATH BANDARI | 7/10/2018 | ASST PROFESSOR | MECHANICAL ENGINEERING |
| 7 | Mr. SAGAR GUDURU | 1/10/2016 | ASST PROFESSOR | MECHANICAL ENGINEERING |
| 8 | Ms. SHRAVANI BOKKALA | 1/25/2017 | ASST PROFESSOR | MECHANICAL ENGINEERING |

6. Non-teaching Staff

| Sl.No | Name | Designation |
|-------|----------|----------------|
| 1 | K.Eshwar | Lab Technician |
| 2 | Chandu | Lab Technician |

7. Seminars/Conferences/Workshops/FDPs

➤ Faculty Development Programs: 8

| S.N O | Faculty | Name of the FDP | Organized By | No. of Days | Year | ATAL/STTP/AICTE |
|-------|-------------------------------|---------------------------------|--------------|-------------|------|-----------------|
| 1 | Dr. Sudipta Chand, Dr. Suresh | Universal Human Values(UHV) FDP | AICTE | 5 | 2022 | AICTE |

| | | | | | | |
|---|--|--|---|---|------|------------|
| | Gudipudi | | | | | |
| 2 | Dr. Sudipta Chand, Dr. Suresh Gudipudi | Universal Human Values (UHV) Refresher -1 FDP | AICTE | 5 | 2022 | AICTE |
| 3 | Dr. Sudipta Chand, Dr. Suresh Gudipudi | Universal Human Values (UHV)- 2 FDP | AICTE | 6 | 2022 | AICTE |
| 4 | Dr. Sudipta Chand, Prof. B. Mohan | Advances in Manufacturing | NIT Surat | 5 | 2021 | ATAL |
| 5 | Dr. Sudipta Chand, Dr. Suresh Gudipudi | Processing of Novel Materials (Elementary) | IIT BHU, Varanasi | 5 | 2021 | ATAL |
| 6 | Dr. Sudipta Chand, Prof. B. Mohan | Processing of Novel Materials (Advanced) | IIT BHU, Varanasi | 5 | 2021 | ATAL |
| 7 | Dr. Sudipta Chand, Dr. Suresh Gudipudi, Prof. B. Mohan | Innovative Techniques In Product Design, Numerical Simulation And Additive Manufacturing | University College of Engineering, Nagercoil | 5 | 2021 | ATAL |
| 8 | Dr. Sudipta Chand, Dr. Suresh Gudipudi, Prof. B. Mohan | Advances in Manufacturing Systems | Madhav Institute of Technology and Science, Gwalior | 6 | 2021 | AICTE-STTP |

➤ **Webinars/Seminars: 6**

| Sl. no | Faculty | Webinar/Seminar Title | | Days | Year |
|--------|--------------------|--|----------------------------|------|------|
| 1 | Dr. Sudipta Chand, | Advanced Manufacturing for Biomedical Applications | Organized at Department of | 1 | 2022 |

| | | | | | |
|---|-----------------------------------|---|--|---|------|
| | Prof. B. Mohan | | Mechanical Engineering ,CDU | | |
| 2 | Dr. Sudipta Chand, Prof. B. Mohan | An Overview of Super Thermal Power Plants | Organized at Department of Mechanical Engineering ,CDU | 1 | 2022 |
| 3 | Dr. Sudipta Chand, Prof. B. Mohan | National Education Policy: A way ahead | Participated | 1 | 2021 |
| 4 | Dr. Sudipta Chand, Prof. B. Mohan | Protecting innovation through IPR with focus on copyright, patent and trademark | Participated | 1 | 2021 |
| 5 | Dr. Sudipta Chand, Prof. B. Mohan | IPR-Patents Design | Participated | 1 | 2021 |
| 6 | Dr. Sudipta Chand, Prof. B. Mohan | New trends in Biotechnological applications for human welfare | Participated | 2 | 2021 |

8. Publications

| S.No | Author(s) | Title | Journal | ISSN No. | Impact factor (JCR-Thomson Reuters) | Year |
|------|-------------------|---|---|-----------|-------------------------------------|------|
| 1 | Dr. Sudipta Chand | Effect of Three-Body Abrasion Wear Behavior Alloy Fabricated on B4C/BN-reinforced | Lecture Notes in Mechanical Engineering | 2195-4364 | Scopus | 2022 |

| | | | | | | |
|---|---------------------|--|--|-----------|--------|-------------|
| | | Through Powder Al6061 Metallurgy Method | | | | |
| 2 | Dr. M. Srinivasnaik | Production and Performance Characteristics of a Diesel Engine with Chicken Waste-Based Bio Diesel | IOSR Journal of Mechanical and Civil Engineering | 2278-1684 | NA | 2022 |
| 3 | Dr. M. Srinivasnaik | Analytical Validation For Finding The Best Performance Of C.I Engine Piston Having Coated And Non-Coated Alloy Materials | Dogo Rangsang Research Journal | 2347-7180 | NA | 2022 |
| 4 | Dr. M. Srinivasnaik | Recent Research In Powder Mixed Electrical Discharge Machining | Juni Khyat | 2278-4632 | NA | 2022 |
| 5 | Dr. M. Srinivasnaik | Performance Evaluation of Four Stroke Ci Engine Using Coconut Based Bio-Diesel' | Juni Khyat | 2278-4632 | NA | 2022 |
| 6 | Dr. M. Srinivasnaik | The efficiency analysis of diesel engine by normal and coated piston | Metszet | 2061-2710 | Scopus | 2022 |
| 7 | Dr. M. Srinivasnaik | Performance analysis Engine with crown Non-coated alloy mate | Metszet | 2061-2710 | Scopus | 2022 |
| 8 | Dr. M. Srinivasnaik | Rate of emission by ch injection time for diffe material addition for bronze c non-coated by CFD A | Metszet | 2061-2710 | Scopus | 2022 |

| | | | | | | |
|----|---------------------|---|--|-----------|--------|------|
| 9 | Dr. M. Srinivasnaik | The performance and evaluating of Diesel using alloys of copper bronze coated & materials | Metszet | 2061-2710 | Scopus | 2022 |
| 10 | Dr. B.Mohan | Fault Detections of Turbo Fan Engine Using Deep Learning (DL) | International Journal of Scientific Research in Engineering and Management | 2582-3930 | NA | 2022 |

9. Patents

1. Dr. Sudipta Chand " Effective Solar-Thermal Plant with Circulating SolarRadiation" Indian Patent No: 202241008727, 18/02/2022.
2. Dr Mukuloth Srinivasnaik " Fully automatic commercial line vehicle assembly line system " Indian Patent No: 202241007000 A, 25/02/2022.
3. Prof B.Mohan of Mechanical Dept on "Solar Power Based Robotic Autonomous Vehicle Using Raspberry PI with Live Streaming Using IOT Control" (Indian Patent No: 2020 41028499, July 4, 2020)

10. Lab Equipments

| | | |
|------------------------|-----------------------------------|--|
| MECHANICAL ENGINEERING | Engg. Work Shop Lab | Arc Welding M/C, Anvils,Bench Vice,CarpentryClam,Drill M/C Height Gauge,Hacksaw M/C |
| MECHANICAL ENGINEERING | Fluid Mechanics | Calibration Of V Notch, Rectangler Notch, Calibration OfMouth Pieace, Orifices Meter & Venturi Meter |
| MECHANICAL ENGINEERING | Hydralics And Hydraulic Machinery | Centrifugal Pump, Reciprocating Pump, Pelton Wheel Turbaine |
| MECHANICAL ENGINEERING | Manufacturing Process Lab | FoundaryShop,Welding Machine |

| | | |
|------------------------|--------------------------------|---|
| MECHANICAL ENGINEERING | Material Science & Testing Lab | Impact Testing Machine, Brinell & Vickers Hardness Test, Rockwell Hardness Testing, Young's Modulus |
| MECHANICAL ENGINEERING | Material Testing Laboratory | Universal Test Machine, Izod Test, Charpy Test Machine, Brinell and Vickers Hardness Machine |
| MECHANICAL ENGINEERING | Metallurgy Lab | Microscope, Materials of Minerals |

11. Research Scholars

| Admission Number | Name of Student | Year of Admission |
|------------------|--------------------|-------------------|
| D21123 | G. Madhu | 2021 |
| D21124 | B. Srinivas | 2021 |
| D21125 | Suram Raju | 2021 |
| D21126 | T. Sai Kiran Goud | 2021 |
| D21127 | Udutha Raghupathi | 2021 |
| D21129 | Yarala Vinod Kumar | 2021 |
| D22110 | Banoth Kavitha | 2022 |
| D22111 | Deepika Rama | 2022 |
| D22112 | Ch. Sridevi | 2022 |
| D22113 | K. Raveena | 2022 |
| D22114 | B. Ramesh | 2022 |
| D22115 | M. Ranjith Kumar | 2022 |
| D22136 | D. Srinivas | 2022 |

12. Achievements of Faculty and Students





Innovations by Faculty and students of Mechanical Engineering Department

1. Electric car converted from Petrol car
2. Solar Powered Tricycle
3. Electronic Bicycle
4. Smart Carrier Vehicle
5. SI engine fueled by Acetylene

6. Compressed Air Vehicle
7. Battery Operated Fertilizer Spray

13. Contact Info

Professor and Head of Department : Prof. Banoth Mohan

Contact : 9908202035 , Email: mohan_mech@chaitanya.edu.in