Dr. K. Sudhakar Reddy

Professor & Head

Education Qualifications: Doctor of Philosophy (Mechanical Engineering)
Specialization: Thermal Engineering

ADDRESS:

- B Block – 101, Department of Mechanical Engineering, MGIT

JNTUH ID:

29150406-142128

EMAIL:

mct@mgit.ac.in

DATE OF JOINING:

20-10-1999

EXPERIENCE

- Teaching - 26
- Research -05
- Industry -01
- Others –

SUMMARY:

- Publications - 32
- Conferences - 36
- Patents – Nil
- Books – 01
- Honors/Awards - 01

EVENTS:

- Organized - 25
- Attended - 183

Membership of Professional Bodies:

1. Life Member of Indian Society for Technical Education (ISTE),
2. Member American Institute of Aeronautics and Astronautics (AIAA),
3. Member American Society of Mechanical Engineers (ASME).

Responsibilities Held at Institution Level:

1. Director – Ranking & Accreditation Committee
2. Member – Academic Audit Committee
3. Member of Anti-Ragging Committee

Responsibilities Held at Department Level:

1. Monitoring and Procurement of laboratory equipments as required from time to time as per the curriculum.
2. Continuously updating the required information / data related to NAAC, NBA, JNTUH and AICTE.

Research Guidance:

1. UG - 50
2. PG - 12
3. Ph.D - 04

Honors/Awards Received:

1. Student project titled "Design and Development of Prototype of an Android based Agricultural Robot with Motorized Shovel Control System and Automatic seed Dispensing System" was Awarded best innovation project 2016 at national level by Indian National Academy of Engineering (INAE), New Delhi.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Instrumentation and Control Systems, Mechanical Measurements and Control Systems, Finite Elements Methods, CAD/ CAM lab

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2. **PG:** Instrumentation and Sensor Technology, Applied Mechatronics Lab

Research & Consultancy:

1. Organized AICTE Sponsored Four Weeks STTP on Recent Advances in Micro Electro Mechanical Systems (MEMS) Mechatronics and Their Applications for Future Challenges held during the Academic Year 2020-21, Received grants Rs. 4,38,333/-
2. Principal Investigator for UGC Sponsored Research Project on "Fuel distribution Studies in a reverse flow Gas Turbine Combustor"- Research Grant Sanctioned of Rs. 4.45 Lakhs
3. Co-Investigator for Research and Development Project of AICTE: "Studies on Methanol – Diesel mixtures in air gap insulated piston engine"- research grant of Rs: 7.7 Lakhs.
4. Principal Investigator_ AICTE sponsored MODROBS Project received for the development and modernization of "CNC and Robotics Lab" Grant-in-aid from AICTE, New Delhi for an amount of Rs. 14 Lakhs.
5. Organized a Two Week AICTE Sponsored Faculty Development Programmee (FDP) on "Latest developments in Hydraulics, Pneumatics and electronic control systems" held during 4-16 May 2015 at M.G.I.T, Gandipet, Hyderabad. Received Grants of Rs. 6.6 Lakhs.
6. Organized a Two Week AICTE Sponsored Faculty Development Programmee (FDP) on "Design and Development of Mechatronics and Robotic Systems" held during 4-16 December 2017 at M.G.I.T, Gandipet, Hyderabad. Received Grants of Rs. 6.52 Lakhs.

Events Organized:

FDPs/STTPs: 25

Events Attended

FDPs/STTPs: 63

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture: 120

Online Certifications: 09

Any Other Contribution:

1. Empanelled NBA Expert member.
2. Steering Committee member, TEQUIP III, Govt. of Uttarakhand