

# Dr. G.ChandraMohan Reddy

## Principal & Professor



**Education Qualifications:** Doctor of Philosophy (Mechanical Engineering)  
**Specialization:** Metal Forming

### ADDRESS:

- A – Block

### JNTUH ID:

### EMAIL:

gcmr\_mct@mgit.ac.in

### DATE OF JOINING:

29-10-2009 to 09-05-2018

26-08-2022 to till date

### EXPERIENCE - 31 Years

- Teaching - 31
- Research -19

### SUMMARY:

- Publications - 95
- Conferences - 67
- Books – 09
- Honors/Awards - 15

### EVENTS:

- Organized - 48
- Attended - 62

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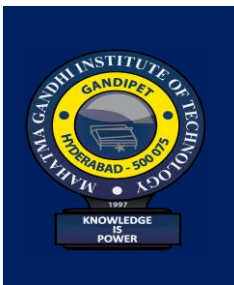
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### Membership of Professional Bodies:

1. Fellow- The Institution of Engineers (India)
2. American Society of Mechanical Engineers (ASME)
3. Aeronautical Society of India (AESI) M – 19970
4. Member, IEEE
5. Life Member, ISME
6. Life Member, ISTE
7. Life Member, Tribology Society of India.

### Responsibilities Held at Institution Level:

1. Principal from 26-08-2022 to till date.
2. Principal & Chief Superintendent of Exams at MGIT during 2009 to 2018
3. Presiding Officer of GATE, JEE, JEE Advanced Examinations during 2009 to 2018 and received best center award from IISc Bangalore.
4. EC Member, The Institution of Engineers (India) Hyderabad for the Two Year sessions (State Centre Committee Member) 2002-2012, 2014-2016 & 2018-2020
5. Member: Organizing Committee TS EAMCET2017&18.
6. Member: State Advisory Committee – Telangana State Electricity Regulatory Commission 2015-2018.
7. EC Member: AESI Hyderabad Branch 2017-2018, 2018-2019
8. Member: University Purchase Committee in the field of Mechanical Engineering/Nano Technology JNTUH Kukatpally for 2014-15.
9. EC Member : A P Productivity Council (for the session 2006-2008)(AP Chapter of National Productivity Council)
10. Member: Academic Council of State Board of Technical Education and Training. Attended the XXI Academic Council Meeting on 21st January 2008 at BRKR Bhavan, Hyderabad-63.
11. Member: Board of Studies of Mechanical Engineering, JNTUH during 2012-2018
12. Member: DRC, Mechanical Engineering, Osmania University for the year 2010-2012. -2015
13. Joint Hon. Secretary: The Institution of Engineers (India) AP State Centre for the session 2004-2006
14. Member: Organizing committee & Technical Events Committee of 23rd Indian Engineering Congress at NIT Warangal during Dec 2008.
15. Hon. Secretary: The Institution of Engineers (India) AP State Centre for the session 2006-2008
16. Chief Superintendent of EAMCET, ECET and ICET during 2009 to 2018 16. Coordinator, CII Industry Institution connect from 2001 to 2010.
17. Coordinated with IEI HQs for Accreditation of CBIT and MGIT by IEI and also obtained Life Memberships.

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18. Core Committee member of NBA Accreditation preparation committees from 1996 to till date.

**Responsibilities Held at Department Level:**

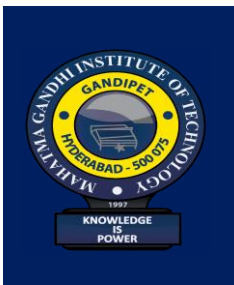
1. Member, Department Advisory Committee
2. Member Board of Studies,
3. Member, Course Expert Group

**Research Guidance:**

1. UG – 120
2. PG - 80

**Honors/Awards Received:**

1. Engineer Seva Ratna Award from Engineers Elders Club on 6th Dec 2021 at IEITSC from the Chairman, HRC TS.
2. Felicitated on Teachers' Day at IEI Khairathabad in Sept 2017.
3. Paper titled "Influence of Process parameters on hardness and microstructure of pre-heat-treated friction welded 15CDV6 alloy steel" for the category Best Presentation/Best Content at the ASAR International conference held at Hyderabad 18th Sept' 2016.
4. Felicitated by LIONS CLUB INTERNATIONAL on Teachers' Day at IEI Khairathabad in Sept 2015.
5. Received ISTE Best Student Chapter Award 2014 for AP at 17th ISTE Students National Convention held at Rajkot (Gujarat) for overall leadership and quantum of activities at MGIT from amongst the chapters in AP Section.
6. Received "Best Engineering College Principal Award-2012" on 02-02-2013 by ISTE AP Section.
7. Received ISTE Best Chapter Award 2012 for AP Section at 42nd ISTE National Convention held at Hyderabad 20th Dec'2012 for overall leadership and quantum of activities at MGIT from amongst the chapters in AP Section.
8. Paper titled "Experimental evaluation of Formability of sheet metals under PTFE lubricated conditions" published in Journal of Institution of Engineers (India) – Mechanical Engineering, Vol: 92, April 2011, pp 29-33 has been awarded Railway Board's 1st Prize at 27th Indian Engineering Congress held at VigyanBhavan, New Delhi on Dec 14, 2012.
9. Received 'Eminent Educationist Award' from International Institute of Education & Management, NEWDELHI for outstanding Achievements in the field of Education on 20th March 2011
10. Jewel of India by Indian Solidarity Council, New Delhi. (Ref: SL/ISC/21Feb/JIA dated 1st Jan 2011).
11. Received "Engineer of the Year award-2009" on Engineers day Function held on 15-09-2009. Govt. Andhra Pradesh & Institution of Engineers (INDIA) - AP State Center, Hyderabad, instituted the Award jointly.
12. Received Best Technical paper presentation award for the paper titled "Trends in Micro Machining Technologies" from Mechanical Engineering Division at Annual Technical session on 22nd Dec 2008, IEI APSC Hyderabad.
13. Received Distinguished Alumnus award from KITS Warangal and felicitations on the occasion of Silver Jubilee Celebrations held on 06-012007
14. Received "Best Principal Investigator" from AICTE- New Delhi for the Project Sanctioned in the Academic Year 1998-1999 and awarded Grade 'A' (Excellent) by the Monitoring Committee, AICTE, NEW DELHI
15. Received "Young Engineer of the Year award-1999" on Engineers day Function held on 15-09-1999. Govt. Andhra Pradesh & Institution of Engineers (INDIA)



- AP State Center, Hyderabad, instituted the Award jointly.

### Courses Handled at Under Graduate /Post Graduate Level:

- UG: Welding Technology, Fabrication Processes, Metal Cutting & Tool Design, Metal Forming Technology, Metal Cutting & Machine Tools, CAM, Robotics, Automation, Production Drawing Practice, Robotics, Machine Tools, Production Technology, Digital Manufacturing.
- PG: Applied Industrial Pneumatics, Industrial Robotics, CIM, AMT, AIM, AMFT, Mechatronics, Production Systems-Design & Control

### REVIEWER OF JOURNALS

1. Reviewer for Elsevier's Materials Today: Proceedings
2. Reviewer for the Journal of the Institution of Engineers (India) in Mechanical Engineering Division - A refereed Journal in Mechanical Engineering in India
3. Reviewer for the International Journal of Advanced Manufacturing Technology (IJAMT) - A refereed International Journal in Manufacturing.
4. Reviewer for the International Journal of Composite Materials (JCM)
5. Reviewer for the IJME Journal since Dec'2008
6. Reviewer for AIMTDR International/National Conferences

### VISITS ABROAD

Visited Singapore and presented two papers at the 2nd International Conference on Advanced Tribology during 3-5 Dec'2008, organized by the National University of Singapore (NUS)

### RESEARCH EXPERIENCE

(a) Sponsored Research Projects: Principal Investigator

Year of Funding	Sponsoring Organisation	Title of Project	Amount of Grant
1999	AICTE, NEW DELHI	Study of formability and process parameters of new materials in metal forming operations	RS 7.00 Lakhs
AICTE, NEW Delhi awarded the Best Principal Investigator with Excellent Grade			

(b) Student Research –

Masters Degrees ME/MTechthesis supervised since 1998

S.No	Name of the Student	Year	Title of Thesis
1.	Shubham D Dhane	2022	Optimization of Dimensional Inspection Methodology Using Coordinate Measuring Machine
2.	Sadige Akhil Prasad	2022	Design and fabrication of Die-Set for Forging of an Aero foil Compressor Blade
3.	Matham Sandeep	2022	Finite Element Analysis and Optimization of Ceramic Injection Moulding Process Parameters

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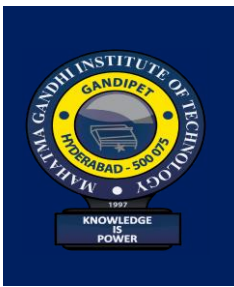
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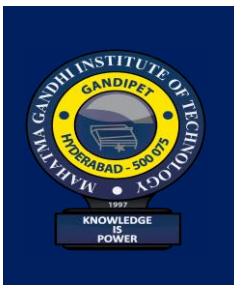
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4.	Mohammed Abdul Haque	2021	Topology Optimization of a Drone Frame structure using Metal and Carbon Fiber Reinforcements.
5.	Rohan Srinivasa Addanki	2020	Design and Optimization of Process Parameters using Additive Manufacturing Technologies for Aerospace Components.
6.	Aravind Ramayampet	2020	Design and Manufacturing of Relay Box using Additive Manufacturing
7.	N Vinod Kumar	2019	Design and fabrication of Mechanical Prosthetic Arm
8.	D Naresh Kumar	2019	Design and Development of Pressure Hull for Submarine.

**(c) Details of PhD guidance:**

**Awarded/Submitted/ In Progress**

S. No	Name of the Candidate	University / Year of Registration	Topic/Title of Research	Status/Co supervisor
1.	Sri L Ramesh  OU	2010-2011  OU	Analysis of critical parameters influencing the quality of vacuum impregnated fiber reinforced polymer components	In progress  Pre-Phd completed /  Dr AMK Prasad, OUCE
2.	Sri G Ramesh  Hyderabad	2012-2013  OU	Optimization of Blank holding force in deep drawing using LS DYNA	In progress  PrePhd completed/  Dr S Venkatesh, OU
3.	Md Kareemulla  Hyderabad	2012-2013  OU	Study and Analysis of Friction welding Dissimilar Materials	In Progress  Dr P Ramesh Babu, OU



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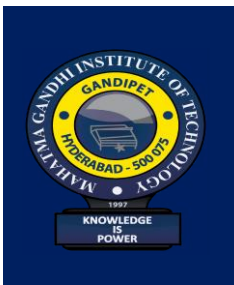
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4.	Ch Sai Krupa Hyderabad	2017-2018 OU	Mechanical and thermal properties of kopok/epoxy polymer matrix composites	Lr NO: 1086/F/Acad-III/2018 dated: 18-8-2018,SNO: 49  Dr S Venkatesh, 5.OU
5.	D Gopikrishna Hyderabad	2017-2018 OU	Experimental and finite element simulation(DEF ORM-3D) in turning steel materials with carbide inserts	Lr NO: 1086/F/Acad-III/2018 dated: 18-8-2018 SNO: 24  Dr R Rajendra, OU
6	Md Mazaharuddin Hyderabad	2017-2018 OU	Mechanical Performance of glass and carbon fiber reinforcement epoxy and bentonite powder hybridmatrix composite for enhancing the strength	Lr NO: 1086/F/Acad-III/2018 dated: 18-8-2018 SNO: 89  Dr S Venkatesh, OU
7.	Janaiah B Hyderabad	2017-2018 OU	Studies on Mechanical Properties of laminated bamboo composites	Lr NO: 1086/F/Acad-III/2018 dated: 18-8-2018, SNO: 87  Dr A Krishnaiah, OU

**Research Consulting Experience:**

- Simulation studies on explosively formed projectiles using dynamic analysis for RS 9.95 Lakhs from DRDO(RCI/PGAD) Hyderabad for the period 2009-2011
- Optimization of Process Parameters for Additive Manufacturing of Defence components for RS 9.95 Lakhs from DRDO/RCI/PGAD Hyderabad for the period 2019-2021.
- Student Projects by consultancy to the college:



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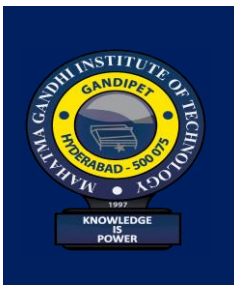
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S.No	Title	Agency/ Organization	Details of Payment Receipt No & Date
1	Measurement of process parameters in extrusion operation of Lead. M.Tech Project for RS 3000/-	JNTU-Hyderabad	12582, 08-12-1998
2	Computer aided experimental analysis of drawing super alloys –  M. Tech project for RS 3000/-	TTTI-Chandigarh	004711, 06-09-2000
3	On Formability studies of Super alloys- B.Tech project for RS 3000/-	Vasavi College of Engg. Hyderabad	015472, 22-03-2001
4	Analysis and simulation of Deep Drawing titanium alloys-  M.Tech Project for RS 3000/-	TTTI-Chandigarh	017571, 18-06-2001
5	Simulation and analysis of various formability tests –  M.Tech Project for RS 3000/-	JNTUniversity-Hyderabad	018114, 02-08-2001
6	Simulation and analysis of OSUFT test setup and its comparison-  M.Tech Project for RS 3000/-	JNTUniversity-Hyderabad	018113, 02-08-2001
7	Studies on the effects of grain size on Deep drawing process –  M.Tech Project for RS 3000/-	TTTI-Chandigarh	10725, 19-08-2002

**Industrial And Professional Experience**

- (a)** Undergone three and half months of Industrial training during UG and PG



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studies in (i) PRAGA TOOLS, Secunderabad (ii) KTPS- TS Genco, Palvancha and (iii) AP STEELS LTD, Palvancha.

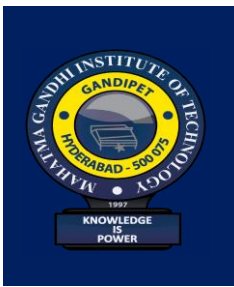
**(b) Administrative and Professional Experience**

Period	Organisation	Designation
2022	MGIT	Principal
2009-2018	MGIT	Principal
2006-2008	The Institution of Engineers(India) AP State Centre,Hyd	Honorary Secretary
2004-2006	The Institution of Engineers(India) AP State Centre, Hyd	Joint. Hon Secretary

The Institution of Engineers (India), AP state Centre continuously bagged the Best State Centre Awards at all India Level for its performance during the years 2004-2005, 2005-2006 and 2006-2007 among 91Centers across the country.

**Expert Lectures Delivered & Invited Speaker/Keynote Speaker**

1. Delivered a Guest Lecture on “Fundamentals of Manufacturing Technology” on 3rd Nov 2018 organized by Dept of Mechanical Engg., JNTUH College of Engineering, Sultanpur.
2. Resource Person for the AICTE-ISTE One Week (27th May to 1st Jun 2019) refresher Program on Teaching withTechnologyon 28th May 2019 organized by ISTE Chapter, NNRG College,Hyd.
3. Delivered an Invited talk “Industrial Automation and Intelligent Manufacturing” on 23rd September 2019 at the Two Day All India seminar on “Recent Trends in Automation and Digital Manufacturing” organized by The Institution of Engineers (India) Telangana State Centre under the aegis of Production Engineering Division Board of IEI during 23rd – 24th September 2019.
4. Delivered a Talk on “Limits, Fits, Tolerances and Geometrical Tolerances” at Two Week FDP on Precision Engineering and Machining Processes organized by Anurag Group of Institutions (Formerly CVSR) during 14-27 Nov 2019 on 14th Nov 2019.
5. Session Speaker on 5th Dec 2019 “Principles and an overview of Automation in Manufacturing” at FDP on Automation for Smart Industry & Manufacturing organized by Centre of Excellence in Automation & ControlEngineering, Dept of Mechanical Engg, Malla Reddy College of Engineering & Technology (Autonomous Institution) during 5-7 Dec 2019.
6. Delivered a Talk on Enhance Safety&Health, Performance by Use of Advanced Technologies “on 4th March 2020 at 11.15 AM for All 2nd Year students at CBIT and a Popular Lecture at 230PM at IEI TSC for the Engineering Community, Visvesvaraya Bhavan, Khairathabad, Hyderabad.
7. Delivered a Talk on Digital Manufacturing – Industry 4.0 on 4thJUN 2020for the faculty and students nationwide, in a webinar series “Recent Revolutions in Mechanical Engineering” during 02-06 JUN 2020 organized by Dept of Mechanical Engineering, JBIET(aut) Hyderabad.
8. Delivered a Talk on Industry 4.0: Digital Manufacturing & Design –on 18th JUN 2020 for the CBIT-MED-FDP on “Industry 4.0: Vision for Design &



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Manufacturing” during 16-20 JUN 2020 organized by Dept of Mechanical Engineering, CBIT.

9. Delivered a Talk on Learner Oriented Delivery of Teaching – on 28th Sept 2020 for the ISTE FDP ON “TEACHING LEARNING STRATEGIES OF ONLINE EDUCATION (TLSOE-2020) – Organized by NNRG Group of Institutions, Hyderabad.
10. Delivered a Talk on Digital Manufacturing on 21st Oct 2020 for the ATAL-FDP on Molecular manufacturing during 19 – 23 OCT 2020 organized by Dept of Mechanical Engineering, CBIT
11. Delivered a Talk on Safe Yourself to Save Your Family on 4th March 2021 on the occasion of National Safety Day at IEI TSC Hyderabad.
12. Delivered a Lecture on Industry 4.0: Digital Manufacturing on 26th March 2021 for the webinar session organized by MED, Vignan Institute of Technology & Science, Hyderabad
13. Delivered a Lecture on Industry 4.0: Digital Manufacturing on 17th June 2021 as resource person for the one-day workshop on Smart Manufacturing: Connected Factories organized by IEI TSC and MED, CBIT Hyderabad.
14. ASME-CBIT Webinar – Speaker on “3D Printing” Additive Manufacturing on 25th July 2021.
15. Resource Person for UGC-Human Resource Development Centre, JNTUH One Week Online Short Course on “Robotics and its Applications” from 20-12-2021 to 27-12-2021 on the Topic “Basics and Classification of Robots and Applications of Robots” from 11.45 Am to 1.15 Pm on 20-12-2021 (Monday).
16. Resource Person for UGC-Human Resource Development Centre, JNTUH One Week Online Short Course on “Robotics and its Applications” from 20-12-2021 to 27-12-2021 on the Topic “Robot Kinematics” from 3.45 Pm to 5.15 Pm on 21-12-2021 (Tuesday).
17. Speaker on “Smart Digital manufacturing Practices for SME Sector in Global digitalization Era” on 10th February 2022 from 6.30PM to 8.00 PM organized by Hyderabad Management Association.

Books/Reports/General articles etc.

1. Proceedings of ONE Week Short Term Training Programme (STTP) on “Robotics & Automation Systems” from 2nd to 7th JUNE 2003 jointly organized by Departments of Mechanical Engineering, CBIT & MGIT Hyderabad and sponsored by CFDME.
2. Proceedings of the TWO Week AICTE-ISTE Short Term Training Programme (STTP) on “Advanced Metal Working Techniques & Finite Element Simulations in Metal Forming” from 30th June to 11th JULY 2003, of Mechanical Engineering, CBIT
3. Proceedings of the FIVE day Course on “Finite Element Simulations in Manufacturing” jointly organized by CBIT & CITD (Central Institute of Tool Design) Balanagar, Hyderabad at CITD during 12th to 16th JULY 2005.
4. Technical Volume of 23rd National Convention of Mechanical Engineers and National Seminar on “Emerging trends in Manufacturing systems and Technologies” during 10-12 September 2007.
5. Technical volume of Two Day All India Seminar on “Role of IT in Infrastructure Development” organized by IEI APSC during 23-24 February at Visveswaraya Bhavan, Khairathabad, Hyderabad.