



# Dr. K. Ramanjaneyulu

## Associate Professor & HoD



Education Qualifications: Ph. D. (Metallurgical Engineering)  
Specialization: Metal Joining (Solid State Welding Al Alloys)

### ADDRESS:

- A – Block -Room No A-004

### JNTUH ID:

32150403-191223

EMAIL: [raman@mgit.ac.in](mailto:raman@mgit.ac.in)

### DATE OF JOINING:

21-10-1999

### EXPERIENCE - 24 Years

- Teaching - 23

### SUMMARY:

- Publications - 03
- Conferences - 13

### EVENTS:

- Organized - 9
- Attended - 04

### LET'S MEET ON SOCIAL:

### Membership of Professional Bodies:

1. Fellow of Institution of Engineers (FIE)
2. Life Member of Indian Society for Technical Education (ISTE)
3. Life Member of Indian Institute of Metals (IIM)
4. Life Member of Indian Institute of Welding (IIW)
5. Life Member of Indian Welding Society (IWS)
6. Life Member of Indian Society for Non-Destructive Testing (ISNT)
7. Life Member of Society for Failure Analysis (SFA)
8. Life Member of Indian Institute of Mineral Engineers (IIME)

### Responsibilities Held at Institute Level:

1. In-charge, Watch and ward
2. Hon-Secretary-cum-Treasurer, MGIT-ISTE Chapter (Faculty)
3. Disciplinary Committee Member

### Responsibilities Held at Department Level:

4. Head of the Department
5. Chairman, Board of Studies, MME, MGIT.
6. Disciplinary Committee Member
7. Hon-Secretary-cum-Treasurer, MGIT-ISTE Chapter (Faculty)

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

1. Heat treatment Technology
2. Fuels Furnaces and Refractories
3. Iron Making,
4. Steel Making,
5. Light Metals and Alloys
6. High Temperature Materials
7. Ceramic Science and Technology and
8. Composite Materials Publications:

### Publications (International Journals):

1. K.Ramanjaneyulu , G.Madhusudhan Reddy, A.Venugopal Rao and R.Markandeya, "Structure- Property Correlation of AA 2014 Friction Stir Welds: Role of Tool Pin Profile", Journal of Materials Engineering and Performance, ASM International, Vol. 22, No. 8, 2013, pp 2224- 2240.
2. K.Ramanjaneyulu , G.Madhusudhan Reddy and A.Venugopal Rao, "Role of Tool Shoulder Diameter in Friction Stir Welding: An Analysis of the Temperature and Plastic Deformation of AA 2014 Aluminium Alloy", Transactions of the Indian Institute of Metals, Volume 67, Issue 5 (2014), Page 769-780. An International Journal Published by Springer.

**ADDRESS:**

- A – Block -Room No A-004

**JNTUH ID:**

32150403-191223

EMAIL: [raman@mgit.ac.in](mailto:raman@mgit.ac.in)

**DATE OF JOINING:**

21-10-1999

**EXPERIENCE - 24 Years**

- Teaching - 23

**SUMMARY:**

- Publications - 03
- Conferences - 13

**EVENTS:**

- Organized - 9
- Attended - 04

**LET'S MEET ON SOCIAL:**

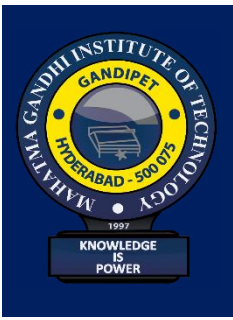
3. K.Ramanjaneyulu, G. Madhusudhan Reddy and Hina Gokhale, "Optimization of Process Parameters of aluminum alloy AA 2014-T6 Friction Stir Welds by Response Surface Methodology", Defence Technology, Defence Technology Volume 11, Issue 3, September 2015, Pages 209-219 open access, International Journal, Published by Elsevier Publications

**International Conferences:**

1. K. Ramanjaneyulu, Jhansi. J and GVR Murty presented a research paper on "Weldability Studies of Titan-44 alloy (Beta-21S) by Electron Beam Welding" in NSWEST-2021, during July 23rd and 24th 2021.
2. K. Ramanjaneyulu, P. Venkata Ramana and Dr. G. Madhusudhan Reddy, presented a research paper on "Advanced Studies on Influence of Tool Shoulder and Tool Pin Profile on Friction Stir Welds of AA 2014 Aluminum Alloys" in National Welding Seminar (NWS-2016) and 11th International Welding Technology Exhibition during December 15th to 17th 2016.
3. A Venugopal Rao, G Madhusudhan Reddy, and K Ramanjaneyulu, A research paper presented on "Friction-Stir Welding process parameters - Selection on the basis of material plasticity models" in 6th International Research Colloquium during April 7th -9th April 2016 at Hyderabad, Organized by International institute of Welding and Indian Institute of Welding Hyderabad Branch.

**National Conferences:**

1. K. Ramanjaneyulu, Jhansi. J and GVR Murty, presented a research paper on "Evaluation of Microstructure and Mechanical Properties of Beta Ti alloy TIG welds in National Weld Meet (NWM-2021) Organized by the Indian Institute of Welding, Trichy Chapter during
2. K. Ramanjaneyulu, J. Jhansi and GVR Murty" in NSWEST-2021, during July 23rd and 24th 2021.
3. Nagaraja Kowmudi, K. Ramanjaneyulu, and Madhusudhan Reddy, "Temperature evaluation in Friction Stir Welding through Thermographic Technique", 25th National Seminar & International Exhibition on Non-Destructive Evaluation (NDE-2015) during November 26th - 28th, 2015. Organized by Indian Society for Non-Destructive Testing, Hyderabad Chapter.
4. K. Ramanjaneyulu, G. Madhusudhan Reddy and K. Srinivasa Rao, "Influence of Tool Pin Profile on Microstructure and Pitting Corrosion Behavior of AA 2014-T6 Aluminum Alloy Friction Stir Welds", National Welding Seminar (NWS-2015) during January 22nd to 24th 2015. Organized by the Indian Institute of Welding, Jamshedpur Branch.
5. K. Ramanjaneyulu, G. Madhusudhan Reddy and R. Markandeya, Presented and obtained Best Technical Paper IVBS-2013 Award on "Optimization of Mechanical Properties of Aluminum Alloy AA 2014-T6 Friction Stir Welds by Centre Point Design", IIW Vizag Branch Seminar (IVBS-2013) on Welding Management for Sustainable Development during Nov 22nd to 23rd 2013. Organized by the Indian Institute of Welding, Visakhapatnam Branch and Visakhapatnam Steel Plant.



**ADDRESS:**

- A – Block -Room No A-004

**JNTUH ID:**

32150403-191223

**EMAIL:** [raman@mgit.ac.in](mailto:raman@mgit.ac.in)

**DATE OF JOINING:**

21-10-1999

**EXPERIENCE - 24 Years**

- Teaching - 23

**SUMMARY:**

- Publications - 03
- Conferences - 13

**EVENTS:**

- Organized - 9
- Attended - 04

**LET'S MEET ON SOCIAL:**

6. K. Ramanjaneyulu, G. Madhusudhan Reddy and R. Markandeya, "Optimization of Process Parameters of Friction Stir Welds of Aluminum Alloy AA 2014-T6 By Response Surface Methodology" National Seminar on Advances in Welding Technology and NDT Methods, during September 20th to 21st 2013. Organized by Coimbatore Institute of Technology and Indian Welding Society, Coimbatore Chapter, Sponsored by TEQIP.
7. K. Ramanjaneyulu, G. Madhusudhan Reddy and R. Markandeya, "Friction Stir Welding of Aluminum Alloy AA 2014 - Optimization of Mechanical Properties", Advances in Welding Science and Technology (ADWEST-2013), during May 3rd to 4th 2013. Organized by the Indian Institute of Welding, Chennai Chapter.
8. K. Ramanjaneyulu, G. Madhusudhan Reddy, A. Venugopal Rao and Markandeya, "Influence of Tool Pin Profile on Heat Generation and Microstructure of AA 2014 Aluminum Alloy Friction Stir Welds" National Welding Seminar (NWS-2013), during February 7th to 9th 2013. Organized by the Indian Institute of Welding, Bangalore Chapter.
9. K. Ramanjaneyulu, G. Madhusudhan Reddy, and R. Markandeya, Presented a poster on "Influence of Tool Pin Profile on Microstructure and Mechanical Properties of AA 6010-T6 Aluminum Alloy Friction Stir Welds" National Metallurgists Day and Annual Technical Meeting (NMD-ATM 2011), during November 13th to 16th 2011. Organized by the Indian Institute of Metals, Hyderabad Chapter and Defence Metallurgical Research Laboratory, Hyderabad.

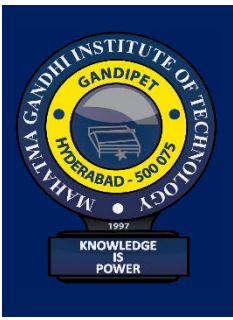
**Research and Consultancy:**

The Mechanistic Aspects in "Titan -44 Base Metal and Weldments During Tensile Deformation". Sponsored by Aeronautical Research and Development Board (AR and DB), DRDO, New Delhi. Cost of the Project is Rs. 9.89 Lakhs

**Events Organized:**

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

1. Organized a one-day National workshop on "Emerging Trend in NDE)", during 9th and 10th October -2021, In Association with Indian Society for Non-Destructive Testing (ISNT) Hyderabad Chapter.
2. Organized a one-day National workshop on "Advances in Welding Technologies for strategic Applications (AWTSA-2021) on 14th August -2021, under aegis of Indian Institute of Welding Hyderabad Branch.
3. As an organizing Committee member, organized a one-day National Conference on "Challenges in Joining of Advanced Materials (CJAM-2017)", during 29th May-2017, under aegis of Indian Institute of Welding Hyderabad Branch.



**ADDRESS:**

- A – Block -Room No A-004

**JNTUH ID:**

32150403-191223

EMAIL: [raman@mgit.ac.in](mailto:raman@mgit.ac.in)

**DATE OF JOINING:**

21-10-1999

**EXPERIENCE - 24 Years**

- Teaching - 23

**SUMMARY:**

- Publications - 03
- Conferences - 13

**EVENTS:**

- Organized - 9
- Attended - 04

**LET'S MEET ON SOCIAL:**

4. As a Co-Convener, organized a ISTE Andhra Pradesh and Telangana State Student's Convention - 2016 and MAGISTECH - 2016, during 28th and 29th September-2016.
5. As an organizing Committee member, organized an International Conference on International Institute of Welding 6th Welding Research and Collaboration Colloquium, during 7th - 9th April 2016, organized by IIW Kolkata and Hosted by IIW Hyderabad Branch.
6. As an organizing Committee member, organized a One Day Workshop on "Advances in Materials Joining Technologies (AMJT)" on 29th May 2015. Organized by Indian Institute of Welding (IIW) Hyderabad Branch.
7. As an organizing Committee member, organized a One Day Workshop on "Advances in Welding and Surface Engineering (AWSE)" on 17th October 2014. Organized by Indian Institute of Welding (IIW) Hyderabad Branch.
8. As a co-Convener, organized a ISTE Andhra Pradesh State Student's Convention - 2013 and MAGISTECH - 2013, during 13th and 14th September-2013.
9. As a convener, organized a One-week ISTE Faculty Development Programme (FDP) on "Teaching Learning and Research in Engineering and Technology" during 30th July - 3 August 2012. at MGIT under the aegis of ISTE-MGIT chapter and IPC -MGIT.

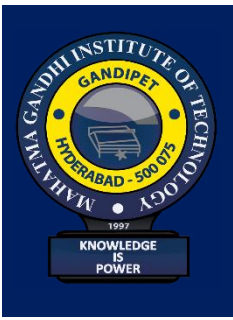
**Events Attended**

**FDPs/STTPs:**

1. Attended a National Welding Seminar (NWS-2015) and Weld India Exhibition during 9th - 12th December-2015 at CIDCO Exhibition Centre, Vashi, Navi Mumbai.
2. Attended DST Sponsored National Conference on Sustainability through Chemical and Biological Sciences during 19-20th March, 2015. Organized by the Department of Physics and Chemistry, MGIT.
3. Attended an Awareness workshop on Outcome based Education and accreditation on 14th September 2015 organized by Jawaharlal Nehru Technological University College of Engineering, (JNTUCE) Hyderabad, Under TEQIP-II.
4. Attended a National Conference on "Specialty steels for the strategic sector" during 5th to 6th December 2014. Organized by Indian Institute of Metals (IIM) Hyderabad Chapter and Defence Metallurgical Research Laboratory (DMRL), Hyderabad.

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

1. One Day Workshop on Advances in Welding Technologies for Strategic Applications (AWTSA) on 14th August 2021 organized by The Indian Institute of Welding, Hyderabad Branch
2. Indo - German workshop on advanced automotive steels (IGWAAS-2021) during March 4 - 5, 2021.



3. Webinar on Women Empowerment Organized by Women Empowerment Cell, RGM CET in association with Indian Servers on July 1st ,2020
4. Webinar on Laser arc hybrid welding of High-Performance materials on 27<sup>th</sup> Feb 2021 organized by the Indian Institute of Welding, Hyderabad Branch.

#### **Online Certifications:**

1. NPTEL-AICTE course on “Mechanical Behavior of Materials” July-Nov 2021
2. COURSERA: Materials Science: 10 Things Every Engineer Should Know! May 2020
3. COURSERA: Material Processing, 2020
4. COURSERA: Material Behavior, 2020

#### **ADDRESS:**

- A – Block -Room No A-004

#### **JNTUH ID:**

32150403-191223

EMAIL: [raman@mgit.ac.in](mailto:raman@mgit.ac.in)

#### **DATE OF JOINING:**

21-10-1999

#### **EXPERIENCE - 24 Years**

- Teaching - 23

#### **SUMMARY:**

- Publications - 03
- Conferences - 13

#### **EVENTS:**

- Organized - 9
- Attended - 04

#### **LET'S MEET ON SOCIAL:**