



Dr. K. C. SABITHA

Assistant Professor



Education

M.E. (Mechanical Engineering), Ph.D.(ME)

Qualifications:

Specialization:

Production Engineering

ADDRESS:

- B – Block -104

JNTUH ID:

4857-150409-131703

EMAIL:

kcsabitha_mct@mgit.ac.in

DATE OF JOINING:

20-03-2003

EXPERIENCE - 22 Years

- Teaching -22

SUMMARY:

- Publications - 7
- Conferences - 7
- Books – 2
- Honors/Awards - 2

EVENTS:

- Organized - 35
- Attended - 115

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

Membership of Professional Bodies:

1. Life Member of Indian Institute Of Welding (IIW)
2. Indian Society Of Technical Education (ISTE)
3. Member of International Association of Engineers (IAENG)

Responsibilities Held at Institution Level:

4. Chief Coordinator of Entrepreneurship Development Cell (EDC) -MGIT
5. Convenor IIC MGIT
6. Member of Women Welfare Cell – MGIT
7. Nodal Officer ARIIA
8. Member of TEQIP –Instrumental in preparing Phase I and Phase II of TEQIP (College Level)
9. Maintaining and updating information in assigned files of NAAC & NBA
10. Faculty Event coordinator for Business Plan during SAE convention Tier –I & Tier –II
11. Member of Anti Ragging Committee

Responsibilities Held at Department Level:

1. Prepared the Lab Manuals for Engineering Metrology Lab
2. Project seminars conducted
3. In Charge of NBA & NAAC Files
4. In charge of Mentoring and counselling activities
5. Worked as Time Table In-Charge
6. Guided main projects for 4th year B.Tech, MCT, Mechanical students
7. Class-In Charge

Honors/Awards Received:

1. Best Paper Award for the paper entitled Evaluation of Mechanical Properties of Tailor Welded Metal Blanks.
2. Recipient of Best Teacher Award for excellence in teaching - Prof.F.D.VAKIL Memorial Award.

Courses Handled at Under Graduate /Post Graduate Level:

UG: Engineering Metrology, Metrology and Machine Tools, Unconventional Machining, Production Technology, Manufacturing Process, Mechanics of solids, Management Science, Industrial Management, Data structures through C, Business Economics & Financial Analysis, Operations Research, Managerial Economics & Financial Analysis, Principles of Entrepreneurship, Plant Layout and Material Handling

PG: Instrumentation and sensor Technology, Principles of Entrepreneurship



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Publications:

1. K.C.Sabitha, Dr.R.Uday Kumar ,Determination of Formability Index for Ninety degrees Sheet Roll Direction Welded Joint,International Journal of Advances in Engineering and Management (IJAEM) Volume 4, Issue 6 June 2022, pp: 2189-2192 ISSN: 2395-5252.
2. K.C.Sabitha, Dr.R.Uday Kumar, “Determination of Erichsen Number for sheet metal welds in zero and forty five degrees sheet roll direction”, Journal Of Engineering,Computing & Architecture, Volume 12, Issue 4, April – 2022 ISSN NO:1934-7197.
3. K.C.Sabitha, “Influence of Process Parameters on Surface Roughness of Titanium Alloy Ti-6Al-4V” through Electro Discharge Machining International Research Journal Of Engineering and Technology(IRJET) Volume8, Issue 3,March 2021, e-ISSN: 2395-0056 p-ISSN: 2395-0072.
4. K. C. Sabitha , Dr. R. Uday Kumar , “Determination of Material Removal Rate in Electro Discharge Machining through Copper Electrode”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Volume 9 Issue V May 2021-
5. K.C.Sabitha , “Influence of Process Parameters on Surface Roughness of Titanium Alloy Ti-6Al-4V through Electro Discharge Machining”, International Research Journal of Engineering and Technology (IRJET) “Volume: 08 Issue: 03 | Mar 2021 ISO 9001:2008 Certified Journal
6. K.C.Sabitha, Dr.P.Ravinder Reddy, Dr.A.Krishnaiah, Dr.R.Uday Kumar, “Evaluation of Strain Hardening Exponent of Tailor Welded Sheet Metal Blanks”, Journal of Advanced Research in Dynamical and Control Systems(JARDCS) ISBN 978-93-81288-18- 4 [ICEAT-2019], 9-10 April 2019.
7. K.C.Sabitha, Dr.P.Ravinder Reddy, Dr.A.Krishnaiah, Dr.R.Uday Kumar,”Evaluation of mechanical properties of tailor welded sheet metal blanks”, IOP Conference series: Materials ,(An open access International Journal Science and Engineering 455(2018)012061(December) ISSN:1757-899X, [ICAAMM-2018], 13-14 July 2018.

Conferences:

1. Presented a paper on Determination of Anisotropy for Transverse Sheet Metal Welds - International Conference On “Advanced Materials and Processes for Engineering Applications” (ICAMP)held on 8 th & 9 th July 2022 at St.Martin’s Engineering College,Hyderabad.
2. Presented a paper on Evaluation Of Strain Hardening Exponent of Tailor Welded Sheet Metal Blanks - International Conference On Engineering and Advancement in Technology 2019 (ICEAT)held on 9th – 10th April 2019 at LORDS Institute of Engineering & Technology,Hyderabad.
3. Presented a paper on Evaluation Of Mechanical Properties of Tailor Welded Sheet Metal Blanks - 2nd International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM 2018) held on 13th & 14th July 2018 at MLR Institute of Technology,Hyderabad.
4. Presented a paper on “A Study on effect of process parametrs and defects in deep drawing of sheet metals“ – Recent Trends in Engineering and Technology – Samskruti College Of Engineering and Technology Hydereabd held on 28-29 july 2017.
5. Published a paper on “Developments in Forming of Tailor Welded Blanks“ at Advances in Materials & Processing Technologies Conference – AMPT2016, held on 8-11 Nov, 2016.Presented a paper on“An Overview of Tailor welded blanks in the field of manufacturing“ at the II World Conference, Engineering & Technology held on 8 th & 9 th March 2013.



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6. Presented a paper on “Optimization of EDM Process Parameters on Ti 6Al 4V” “Role and Significance of Intellectual Property during Recession” two day National Conference on “Advances in Mechanical Engineering” from November 18 -19, 2010 at Vasavi College of Engineering, Hyderabad.
7. Presented a paper on ” “Role and Significance of Intellectual Property during Recession” two day National Conference on “Advances in Mechanical Engineering” from November 18 -19, 2010 at Vasavi College of Engineering, Hyderabad.

EVENTS ORGANIZED:

CONFERENCES:

1. Organized Technovation

FDPS/STTPS:

1. Organized a two day online FDP on IPR & Patent Filing on 11th -12th September 2020 -R&D cell and NISP
2. Organized a one week online Faculty Development Program On Recent Advances in Renewable Energy & Energy Efficiency Technologies 21st -25th July, 2020 Mechanical Engineering Department, MGIT
3. Organized Faculty Development Program in Entrepreneurship on 22nd April – 04th May 2012 (2 weeks)

REFRESHER COURSES/ WORKSHOPS/ WEBINARS/ SEMINARS/

1. Session on Achieving Problem-Solution Fit and Product-Market Fit 22nd February 2024 by IIC-MGIT.
2. Workshop on Design Thinking, Critical thinking and Innovation Design on 24th February 2024 by IIC MGIT
3. Intra Institutional Innovation Challenge & Hackathon on 26th February 2024 by IIC MGIT
4. Poster Presentation of Innovative Ideas on 27th February 2024 by IIC MGIT
5. Workshop on Entrepreneurship Skill, Attitude and Behaviour Development on 23rd February 2024 MGIT
6. Shark Tank by EDC & Idea Incubator on 21st March 2024 by IIC MGIT
7. Workshop on Business Model Canvas MGIT IIC 21st June 2024 by IIC MGIT
8. Field Visit to ATAL Community Incubation Centre ACIC-CBIT on 26th June 2024 CBIT by IIC MGIT
9. Session on Intellectual Property Rights (IPR's) and IP Management on 26th June 2024 by IIC MGIT
10. Innovation and start up ecosystem enablers from the region in Engineering Opportunities and Challenges on 20th August 2024 IIC MGIT.
11. Poster Presentation of Start-Ups on 21st August 2024 by IIC MGIT.
12. Accelerators / Incubation – Opportunities for students and faculties – Early-stage Entrepreneurs” on 23rd August 2024 by IIC MGIT.
13. Commercialization of Lab Technologies & Tech-Transfer on 22nd Januray 2024 by IIC-MGIT .
14. Achieving Proposition Fit and Business Fit on 23rd August 2024 by IIC, MGIT.
15. Lean Start-Up & Minimum Viable Product /Business”- Boot Camp (or) Mentoring Session on 28th August 2024 by IIC- MGIT.
16. Ideathon Hack4SDE Sparks Innovation at MGIT by Idea Incubator on 19th October 2024 MGIT.
17. Workshop on Entrepreneurship Skill, Attitude and Behaviour Development on



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23rd February 2024 EDC & IIC.

18. Innovation & Entrepreneurship Outreach Program in Mandal Praja Parishad Upper Primary School, Khanapur by EDC & IIC on 9th February 2023
19. Field Visit to M/s Fusion Heat Treaters, Patancheru Hyderabad on 13th February 2023 by M/s Fusion Heat Treaters by MGIT IIC.
20. Workshop on Entrepreneurship Skill, Attitude and Behaviour Development by EDC & IIC on 16th February 2023
21. Tie Grad plus kick off session & Idea Boot Camp organized by EDC in association with The Indus Entrepreneurs (Tie), Hyderabad
22. International Women's Day- "Gender Equality Today For A sustainable Tomorrow" 08th March 2022 Women Development Committee, MGIT.
23. SAMBHAV - e - National Level Awareness Programme (e-NLAP) on Entrepreneurship as part of Azadi Ka Amrit Mahotsav (AKAM) in association with Khadi & Village Industries Commission (KVIC) as per the directions of the Ministry of MSME on 25th November 2021
24. International Women's Day- "Choose to Challenge" 08th March 2021 Women's welfare cell, MGIT.
25. All the way up 2.0 on 11th March 2020 by EDC- MGIT, Hyderabad
26. Mergers and Acquisitions on 13th October 2017 by EDC- MGIT, Hyderabad.
27. World Entrepreneurship Day on 21st August 2017 by EDC- MGIT, Hyderabad.
28. Expert Talk –Business Report Preparation on 22nd Feb 2013 by EDC- MGIT, Hyderabad.
29. Expert Talk - Financial Assistance on 21st Jan 2013 by EDC- MGIT, Hyderabad.
30. Expert Talk –Idea Generation on 10th Jan 2013 by EDC- MGIT, Hyderabad.
31. Woman Entrepreneurship – Woman Empowerment on 7th March 2012 by EDC- MGIT, Hyderabad.
32. Entrepreneurship Awareness Camp 16th – 18th February 2012 (3 Days) by EDC- MGIT, Hyderabad

EVENTS ATTENDED:

CONFERENCES

1. Participated in International Conference On Engineering and Advancement in Technology 2019 (ICEAT) held on 9th & 10th April 2019 at LORDS Institute of Engineering & Technology, Hyderabad
2. Participated in 2nd International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM 2018) held on 13th & 14th July 2018 at MLR Institute of Technology, Hyderabad.
3. Attended National Conference on "Advances in Mechanical Engineering" AIM-2010 held at Vasavi College of Engineering during 18-19 November 2010.
4. Participated in four day International Meet – 53rd Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), from December 27th to 30th, 2008 at University College of Engineering, Osmania University, Hyderabad
5. National conference on "Dynamics of Evaluation to Engineering Management, 23-24th July 2003, Dhruva College of Management, Hyderabad.

FDPS/STTPS

1. Participated in Two Week FDP on "Recent Advances In Design And Development Of Mechatronics & Robotic Systems" organized by Department of Mechanical Engineering, M.G.I.T. during 04-16 December, 2017.
2. Participated in Two Week FDP on "Current Trends In Materials and Manufacturing" organized by Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad during May 15-27, 2017.
3. Participated in Two Week programme of "Faculty Development Programme in Entrepreneurship" during 22 April – 04 May, 2013 organized by Entrepreneurship Development Cell, M.G.I.T. (2 Weeks).



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4. Attended Two Week programme of “Faculty Development Programme in Entrepreneurship” during 26th August – 09th Sept, 2010 organized by Entrepreneurship Development Cell, Osmania University sponsored by NSTEDB, DST, New Delhi (2 Weeks).
5. Attended a One week workshop on “STTP on Mechatronics” at M.G.I.T, Gandipet, Hyd during 12th – 16th July 2010.
6. Participated in one week STTP on “Rapid Prototyping and e-Manufacturing”, from March 23rd to 28th, 2009 at University College of Engineering, Osmania University, Hyderabad
7. A Short term training programme on “Robotics & Automation System” organized by Mahatma Gandhi Institute of Technology, Hyderabad, 2nd – 7th June 2003

REFRESHER COURSES/ WORKSHOPS/ WEBINARS/ SEMINARS/GUEST LECTURE

1. Participated in two day Workshop on “Recent trends in Manufacturing (RTM-2013)” organized by the department of mechanical Engineering CBIT, during 29th & 30th July 2013.
2. “Innovations & Best Practices” held on 18th – 20th December 2003 conducted by ALEAP
3. A In-House training programme on “Effective teaching methodology” held on 24-29 November 2003 at CBIT, Hyderabad.

ONLINE PROGRAMMES ATTENDED

FDPs/STTPs: 32

WEBINARS/Workshops : 63

INSTITUTION'S INNOVATION COUNCIL(IIC)(IIC-MHRD): 08

ONLINE CERTIFICATIONS:

1. NPTEL-AICTE -Faculty Development Programme On Fundamentals Of Manufacturing
2. Online Course on Digital Manufacturing & Design through COURSE ERA

ANY OTHER CONTRIBUTION:

1. As the Convenor of the Institution's Innovation Council (IIC), Chief Coordinator of the Entrepreneurship Development Cell (EDC), and Coordinator of the Idea Incubator Club, have actively promoted innovation and entrepreneurship within the department. organized numerous events such as startup boot camps, ideation challenges, and mentorship programs that helped students develop their entrepreneurial skills.
2. Guided main projects for 4th year B.Tech, MCT students
3. Guided main projects for 4th year B.Tech Mechanical students
4. Guided mini projects for 3rd year MCT and Mechanical students
5. Question paper sets prepared for Mechanical Engineering subjects for UG courses of Engineering colleges