

Dr. R. RENUKA

Designation : Assistant Professor
Department of Mathematics
University College of Engineering Panruti
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Present Position:

- Assistant Professor, Department of Mathematics, University College of Engineering Panruti from 15.09.2009.

Present Additional Academic Responsibilities at University:

- **Cultural Co-Ordinator**, University College of Engineering Panruti from 15.03.2013 till date.

Previous Additional Academic Responsibilities at University:

- **Deputy Warden for Girls Hostel**, Anna University of Technology, Tiruchirappalli-Panruti Campus from 01.03.2011 to 15.09.2012.

Teaching Experience:

- Assistant Professor, Department of Mathematics, University College of Engineering Panruti from 15.09.2009 .
- Lecturer, Anna University Tiruchirappalli Panruti Campus from 01.09.2008 to 14.09.2009
- Lecturer (SS), V.R.S. College of Engineering and Technology, Arasur from 01.12.2006 to 29.08.2008.
- Lecturer, V.R.S. College of Engineering and Technology, Arasur from 17.08.2001 to 30.11.2006.
- Teacher, Vivekananda Vidhya Mandir Matriculation School, Panruti from 2.12.1989 to 14.08.2001

Degree:

- **B.Sc.**, Mathematics (1983), Seethalakshmi Ramaswami College, Tiruchirappalli, University of Madras, Chennai.
- **M.Sc.**, Mathematics (1985), Seethalakshmi Ramaswami College, Tiruchirappalli, Bharathidasan University, Tiruchirappalli.

- **M.Phil.**, Mathematics (1987), Department of Mathematics, Bharathidasan University, Tiruchirappalli.
- **B.Ed.**, Mathematics (1991), Department of Education, Annamalai University, Chidambaram

Research Degree:

- **Ph.D.**, (Jan 2016) in Mathematics from the Faculty of Science and Humanities, Anna University, Chennai.
- **Title of the Thesis:** Contribution to the study on some aspects of Intuitionistic Fuzzy Topological structures.

Area of Specialization:

- Fuzzy Topology and Intuitionistic Fuzzy Topology.

Membership of Scientific and Professional Societies:

- Life member in ISTE from Sep 2002.

List of Seminar / Short Term Course /FDP/ Workshop attended:

1. Special Training Programme for Mathematics Faculty member organized by Anna University, Chennai at M.A.M College of Engineering, Tiruchirappalli from 03.06.2013 to 04.06.2013.
2. Bridge course on Mathematics for Faculty members organized by Centre for Faculty Development, Anna University, Chennai at Anna University, Chennai from 20.06.2014 to 21.06.2014.
3. One Week Faculty Development Training Programme “MA 2262 – Probability and Queueing Theory” organized by Department of Mathematics, University College of Engineering Villupuram from 30.11.2012 to 06.12.2012
4. One Week Faculty Development Training Programme “MA 2261 – Probability and Random Processes” organized by Department of Mathematics University College of Engineering Panruti from 12.12.2012 to 18.12.2012
5. Two-week AICTE sponsored Faculty Development Programme “Developing Pedagogical skills for Teachers through active learning Techniques” organized by Department of Management studies, M.A.M College of Engineering, Tiruchirappalli” from 10.06.2013 to 22.06.2013.
6. One day National Level Workshop on “Ramanujan works...” sponsored by Tamil Nadu State Council for Science and Technology organized by Department of Science and Humanities, V.R.S College of Engineering and Technology, Arasur on 08.02.2014.
7. Seven days FDP “MA 6151 – Engineering Mathematics-I” organized by Department of Mathematics, University College of Engineering Panruti from 24.06.2015 to 30.06.2015.

8. Seven days FDP “Graph Theory and its Applications” organized by Department of Mathematics, University College of Engineering, Anna University BIT Campus, Tiruchirappalli-24 from 22.05.2017 to 28.05.2017.
9. AICTE sponsored Two-week National FDP “Emphasizing Morals, Values, Ethics, and Character Education for Quality Teachers” organized by Department of Computer Science and Engineering, P.A. College of Engineering and Technology, Pollachi-642002 from 04.12.2017 to 17.12.2017
10. One day Webinar on “The Mathematics-The Language of Engineering” organized by Department of Mathematics, University College of Engineering. BIT Campus, Anna University, Tiruchirappalli on 04.06.2020.
11. DST Purse sponsored Two-week course on “Research Methodology RM-2018” organized by Faculty of Science, Annamalai University, Chidambaram with A grade from 10.12.2018 to 23.12.2018.
12. MHRD sponsored Two-week FDP on “Advanced concepts for developing MOOCS” organized by Teaching Training Centre, Ramanujan College, University of Delhi from 02.07.2020 to 17.07.2020.
13. NPTEL course “Transform Calculus and its Applications in Differential Equations” on Swayam platform sponsored by MHRD, 12-week Programme with score 94 from Jan to Apr- 2020.
14. MHRD sponsored Two-week FDP on “Managing Online Classes and Co-Creating MOOCS 3.0” organized by Teaching Training Centre, Ramanujan College, University of Delhi with grade A⁺ from 25.07.2020 to 10.08.2020.
15. Three weeks Online Industry Training Programme on Basic Science and Communication organized by RGMTC – BSNL , Meenambakkam from 08.06.2020 to 26.06.2020 at BSNL Cuddalore.

Papers published in Journals:

a) International Journals:

1. V. Seenivasan and **R. Renuka** (2013) “On Intuitionistic Fuzzy semi- α -irresolute functions” in an international journal “Annals of Fuzzy Mathematics and Informatics” Volume 6 No.2, pp 315-323 ISSN No.2093-9310.
2. **R. Renuka** and V. Seenivasan (2013) “On Intuitionistic Fuzzy slightly precontinuous functions “ in an international journal “International Journal of Pure and applied Mathematics” Volume 86 No.6, pp 993-1004 ISSN No.1311-8080.
3. **R. Renuka** and V. Seenivasan (2013) “On intuitionistic fuzzy pre- β -irresolute functions” in an international journal “Scientia Magna” Volume 9 No.2 pp 93-102 ISSN No.1556-6706.
4. **R. Renuka** and V. Seenivasan (2013) “On β -connectedness in intuitionistic fuzzy topological spaces” in an international journal “General Mathematics Notes” Volume 19 No.1 pp16-27 ISSN No. 2219-7184.

5. V. Seenivasan and **R. Renuka** (2014) "On Intuitionistic fuzzy slightly β -continuous functions" in an international journal "Notes on Intuitionistic Fuzzy Sets" Volume 20, 2014, No.1, 45-54 ISSN No. 2367-8283.
6. **R. Renuka** and V. Seenivasan (2014) "Intuitionistic Fuzzy α - irresolute functions" in peer reviewed international Journal "Italian Journal of Pure and Applied Mathematics" Volume 33, pp 71-80, ISSN No. 1126-8042.
7. **R. Renuka** and V. Seenivasan (2015) "Intuitionistic Fuzzy pre- α -irresolute open and closed mappings" in an international journal "Annals of Fuzzy Mathematics and Informatics" Volume 9 No.4, pp 615-620, ISSN No. 2093-9310.
8. **R. Renuka** and V. Seenivasan (2015) "On Intuitionistic Fuzzy β -Almost Compactness and β -Nearly Compactness", The Scientific World Journal, vol. 2015, Article ID 869740, pp. 1-5, ISSN No.1537-744X.
9. **R. Renuka** and V. Seenivasan (2015) "Intuitionistic Fuzzy semi- α -irresolute open and closed mappings" was published in International Journal of Applied Engineering Research, Vol.10 No.72, pp. 15-18, ISSN No. 0973-4562.

b) National Journals:

1. V. Seenivasan and **R. Renuka** (2013) "Intuitionistic Fuzzy Pre- α - irresolute functions" in peer reviewed national Journal "Far East Journal of Mathematical Sciences" Volume 72, NO. 2, pp 251-267, ISSN No. 0972-0871

Conferences:

a. International Conferences:

1. Participated and presented paper "On intuitionistic fuzzy β - Baire spaces "in "International conference on Mathematics And its Applications-2014" (ICMAA-2014) organized by Department of Mathematics, University College of Engineering Villupuram held during 15.12.2014 to 17.12.2014 and was published in "Proceedings of the International conference on Mathematics And its Applications-2014".
2. Participated IC3DIET-18 (2018), "International Conference on Computing, Communication and Drastic Innovations in Energy thrive", organized by University College of Engineering Panruti during 28.02.2018 to 01.03.2018.

b. National Conferences:

1. Participated AICTE sponsored National conference on "Current Researchers on Fuzzy logic and its Applications" organized by Department of Mathematics, M.A.M College of Engineering, Tiruchirappalli during 23.06.2011 to 25.06.2011.
2. Participated and presented paper "On Intuitionistic Fuzzy slightly precontinuous functions" in "National conference on Mathematical Sciences and Applications(NCMSA-2013)" organized by Department of Mathematics, School of Science and Humanities, Karunya University, Coimbatore held during 14.03.2013 and 15.03.2013 and was published in Proceedings of the National Conference held at Karunya University, Coimbatore.

- 3.** Participated and presented paper “ Intuitionistic Fuzzy semi- α -irresolute open and closed mappings” in “Interdisciplinary National Conference on Soft Computing and its Applications”(NCSCA'2015) organized by Department of Mathematics & Department of Electronics and Communications Engineering, University College of Engineering Tindivanam, held during 29.04.2015 and 30.04.2015 and was published in Proceedings of the Interdisciplinary National conference on Soft Computing and its Applications.
