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Dr.G. Deena is working as Assistant Professor in the Department of CSE at SRM Institute of Science and Technology, Ramapuram campus. She holds a Ph.D degree in the field of Computer Science and Engineering from Sathyabama Institute of Science and Technology. She has 17.5 years of teaching experience with good programming skills. She has published many research articles in National and International Journals, Conferences and in Symposiums. She has published text book in Machine Learning and in Natural Language Processing. She has actively participated in Faculty development Programme and in workshops. She is certified in various courses from NPTEL, Coursera and in Udemy. She is a reviewer in different International Journals.

Area of Research:

Knowledge Based System, Natural Language Processing, Machine Learning

Publications:

1. Deena.G and Raja.K (2022), “Keyword Extraction Using Latent Semantic Analysis for Question Generation”, Journal of Applied Science and Engineering, Vol. 26, No 4, Page 501-510
2. Deena.G and Raja.K (2022), “Objective Type Question Generation using Natural Language Processing”, International Journal of Advanced Computer Science and Applications (IJACSA) EISSN 2156-5570, Vol. 13, No. 2, 2022, pp.539-548. IF:1.09, H index:8, SJR:0.193.
3. Deena.G and Raja.K (2019), “Designing an Automated Intelligent e-Learning System to Enhance the Knowledge using Machine Learning Techniques”, International Journal of Advanced Computer Science and Applications (IJACSA), EISSN 2156-5570, Vol. 10, No. 12, pp.112-119.
4. Deena.G and Raja.K (2018), “The impact of learning style to enrich the performance of learner in e-learning system”, Journal of web Engineering, Vol. 17, No.6, pp. 1914-1925, EISSN 1544-5976.
5. Deena.G, Raja.K and Kannan.K (2021), “An Automatic Question Generation System using Rule-Based Approach in Bloom’s Taxonomy”, Recent Advances in Computer Science and Communications, Bentham Science Publisher, EISSN 2666-2566, Vol.13, No.1.

6. Deena.G, Raja.K, Nizar Banu. P.K and Kannan.K (2020), “Developing the Assessment Questions Automatically to Determine the Cognitive Level of the E-Learner Using NLP Techniques”, International Journal of Service Science, Management, Engineering, and Technology (IJSSMET), EISSN: 1947-9603, IGI Global, Vol.11 No.2, pp. 95-110.
7. Deena.G and Raja.K (2019), “Sentence Selection Using Latent Semantic Analysis for Automatic Question Generation in E-Learning System”, International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering & Sciences Publication (BEIESP) Bhopal, India, EISSN 2278-3075, Vol.8, No.9, pp.86-91, DOI:10.35940/ijitee. I7492.078919, IF:5.54
8. Deena.G and Raja.K (2020), “A Novel Dynamic Self-Assessment Question Preparation Mechanism Using Natural Language Processing”, Two Day International Virtual Conference on Contemporary Practices of Technology and Management for Economic Growth (ICTMEG2020), VIT University.
9. Deena.G, Raja.K, Nizar Banu.P.K and Kannan.K (2019), “Implementing Bloom's Taxonomy to Determine the Cognitive Level of E-Learner through Automatically Generated Questions”, Second International Conference of Computing and Informatics (ICCI-2019), Benha University, Egypt.
10. Deena.G and Raja.K (2017), “A study on knowledge based e-learning in teaching learning process”, International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies, Chennai, India, 10.1109/ICAMMAET.2017.8186686, (Scopus Indexed and IEEE Xplore Digital Library).

Patents:

1. Artificial Intelligence and IoT Based Automatic Smart Health Care Monitoring System to monitor health for Pet Animals and Birds using AI Camera. – Dec 2022.
2. Design and development of Customer Behaviour Prediction using Web Usage Mining – July 2022
3. IoT Based Infant Health Monitoring System- March 2022.

Text Books:

1. G.Deena, Amul Mary, (2022), “**Natural Language Processing**”, Deccan International Academic Publishers, ISBN: 978-93-95191-24-1.
2. G.Deena and Dr.T.RV.Anandharajan, (2020),“**Machine Learning Techniques**”, Charulatha Publications, Chennai, ISBN 978-93-89970-60-9.

Google Scholar:

<https://scholar.google.com/citations?user=XYwHWtkAAAAJ&hl=en>

Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=57201699174>