

## Faculty Profile

### **Dr. P.AMARANATHA REDDY**

Lecturer in Computer Applications,  
Governement Degree College,  
Nandikotkur,  
Nandyal District.  
Andhra Pradesh

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### **Research Interests**

Association Rules Mining

Utility Mining

Data Mining

### **Education**

- **Ph.D. in Computer Science and Engineering**, Jawaharlal Nehru Technological University, Kakinada, **October 2024**.
- **M.Tech in Software Engineering** from SreeNidhi Institute of Science and Technology (autonomous). Hyderabad, A.P with **75.36%** marks. 2010-2012.
- **B.Tech in Computer Science & Engineering** from Srialahasteeswara Institute of Tech. affiliated to J.N.T.U Anantapur, A.P with **65%** marks. 2006-2010.
- **Intermediate** from Sai Jr.college Anantapur, affiliated to Board of Intermediate Education, Hyderabad, A.P with **89.7%** marks. 2004-2006.
- **S.S.C** from Z.P.H.School, Lavanur affiliated to the Board of Secondary Education, Hyderabad, A.P with **88%** marks. 2003-2004.

### **Achievements**

- Qualified in National Eligibility Test (NET) Dec 2018.
- Qualified in TS&AP SET-2014 combined Telangna & Andhra Pradesh eligibility test for Assistant Professor.
- Qualified in APSET-2016 Andhra Pradesh State Level Eligibility Test for Assistant Professor.
- Qualified in GATE - 2010, GATE – 2015, GATE- 2016.
- OCJP 1.6 (Oracle Certified Java Programmer) certified.
- Qualified in Faculty Eligibility Test FET-2010.

## Teaching Experience

- Working as Lecturer in Computer Applications from 25<sup>th</sup> Aug 2021 in Govt. Degree College Nandikotkur, Nandyal Dist., AP.
- Worked as Assistant Professor from 14<sup>th</sup> Dec 2015 in VIGNAN (deemed to be university), Vaddamudi, Guntur dist. AP.
- Worked as Academic Consultant (Teaching Assistant) from August 30<sup>th</sup> 2013 to Dec 14<sup>th</sup> 2015 in Sri Padmavati Women University, Tirupati.

## Journals & Conferences

P. Amaranatha Reddy, MHM Krishna Prasad, S. Rao Chintalapudi, &quot;Strong Correlated High Utility item-sets recommendation in E-commerce applications using EGUI-tree over data stream&quot;, International Journal of Grid and Utility Computing.  
DOI: 10.1504/IJGUC.2023.10057772.

[Accepted, SCOPUS indexed; Free, Impact factor: 0.29]

Amaranatha Reddy, P., Hazarath Murali Krishna Prasad, M. &quot;High Utility Item-set Mining from retail market data stream with various discount strategies using EGUI- tree. J Ambient Intell Human Comput 14, 871–882 (2023).

<https://doi.org/10.1007/s12652-021-03341-3>

[SCIE indexed & Free, Impact factor: 3.662]

P. Amaranatha Reddy, MHM Krishna Prasad, &quot; Sliding Window Based High Utility Item-Sets Mining over Data Stream Using Extended Global Utility Item-Sets Tree, International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.14, No.5, pp. 72-83, 2022. DOI:10.5815/ijigsp.2022.05.06

[SCOPUS indexed & Free, Impact factor:0.722]

P. A. Reddy and M. H. M. K. Prasad, &quot;Challenges to find association rules over various types of data items: A Survey, 2017 International Conference on Computing, Communication and Automation (ICCCA), Greater Noida, 2017, pp. 180-184  
doi: 10.1109/CCAA.2017.8229796.