

Faculty Profile



Name: Dr. Durga Prasad Kavadi

Designation: Assistant Professor

Teaching Areas: Web Technologies, Computer Networks, Java Programming, C Programming, Python Programming, Artificial Intelligence, Machine Learning Java Programming, OOAD through UML, Operating Systems

Research Interests: Data Science & NLP

Education:

- **Ph.D.**, CSE from JNTU Kakinada (2020)
- **M.Tech**, CSE from JNTU Kakinada Affiliated Engineering College (2011)
- **B.Tech**, CSE from ANU, Vijayawada (2006)

Research / Selected Publications:

SCI JOURNALS: 2

1. Durga Prasad Kavadi, Rizwan Patan, Manikandan Ramachandran, Amir H. Gandomi, *Partial derivative Nonlinear Global Pandemic Machine Learning prediction of COVID 19*, Chaos, Solitons & Fractals, Volume 139, 2020, 110056, ISSN-0960-0779.
2. Durga Prasad Kavadi, Fadi Al-Turjman, Adi Narayana Reddy K, Rizwan Patan, "A Machine Learning Approach for Celebrity Profiling ", International Journal of Ad Hoc and Ubiquitous Computing, 2021 Vol.38 No.1/2/3, pp.111 – 126, DOI: 10.1504/IJAHUC.2021.119091

Patents: 4

INTERNATIONAL PATENTS: 2

1. Smart Quarantine Shelters for Potential Risk Patients Using IoT from IP-Australian Government (2020) – **Granted**
2. Automated Real-Time Driving Behavioural Modelling Analysis and Reporting In Denser Traffic Using Data Mining from IP-Australian Government – **Granted** (2020)

NATIONAL PATENTS: 2

1. Method of Secure Online Voting Using Middleware Security from IP-Government of India (2019)- **Published**
2. Computer Implemented Method for Classification of Microcalcification Clusters in Digital Mammograms from IP-Government of India (2020) – **Published**

SCOPUS JOURNALS:

1. Durga Prasad Kavadi, Palacharla Ravikumar, Dr.Kamini Srinivasa Rao. (2020). *A New Supervised Term Weight Measure for Text Classification*. International Journal of Advanced Science and Technology,
2. Durga Prasad Kavadi, Adi Narayana Reddy K, Shyama Chandra Prasad. (2020). *Prediction of Personalized Medicine using Deep Learning*. International Journal of Advanced Science and Technology.
3. VSai Krishna, K Durga Prasad, A Phaneendra , (2020), "A Feature Selection based Approach for Authorship Attribution"- Jour of Adv Research in Dynamical & Control Systems
4. Divanu Sameera, Vedavathi K, Durga Prasad Kavadi. (2020). *A Novel Approach for Text Classification using Recurrent Neural Networks*. International Journal of Advanced Science and Technology,

BOOK CHAPTERS:

- "COVID-19 SYMPTOMS RECOGNITION USING ARTIFICIAL INTELLIGENCE STRATEGY" for the book – "COVID – 19: The Clinical Management", in 2021, Lexicon International Publisher- (A Govt. Recognized organization), ISBN "978-81-949147-0-9".