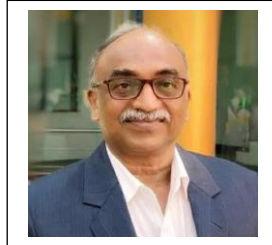# Srinivas University

Mangalore - India

Atomic Research Centre

Centre for Development of AI &ML Applications to Data Science and IoT

Dr K T VeeraManju, Research Professor
Dept of Computer Science &Engineering
Srinivas University

1. **Purpose of ARC:** To study AI and ML algorithms with special reference to Data Science and Analytics also adaptable for secure business and IoT applications.
2. **Objective of ARC :** To implement various algorithms and make a comparative study for the suitability of their applications to specific areas of business intelligence, NLP and for robust systems of IoT to overcome the limitations or shortcomings of security with respect to data and other applications considering real time applications.
3. **Description on Proposed Research :**
   Study of selected domain or area chosen. Business Intelligence, Secure systems, NLP, Industrial automation.
   Study and programming of various application boards such as Raspberry Pi, Arduino, NodeMCU.,
   Study of various associated sensors and their limitations
   Programming with Python and C++
   Implementation of ANN, DL and intelligent hybrid algorithms.
   Building and testing models using simulation tools such as MATLAB, COSMOL and other simulation packages from ALTAIR
   Project report preparation and paper publications with suitability of practical implementation for societal benefits
4. **Expected Outcome:**
   Effective models that can be practically implementable systems for Business Analytics and IoT with secure performance and applicable to various domains in the real word context.
   Research publications in Indexed journals
5. **List of the Team Members :**
   1. Mrs Priyadarshini P
   2. Mrs Panchajanyeswari H
   3. Mrs Rameesa K
   4. Mr Arthur D Silva
   5. Mr Vinay M T
   6. Mr Rangaswamy H
   7. Mr Anmol U K

6. List of Working Papers:
1. Web services/Cloud Services Issues and Challenges
2. The customer service and business approaches in Automobile sector.
3. Sentiment analysis in a regional paper.
4. Comparative study of various image processing techniques and their suitability for aquaculture.
5. Customer behaviorial study and analysis in financial sector.
6. Algorithms and their suitability for pattern classification.
7. Study and analysis of various E-platform merchant and shopping websites (e-commerce) for various   pattern predictions for goods requirement , customer retention and other allied actions.

7. List of related Published Papers in Journals Proceedings, Book Chapters, Magazines by this Group.

Camera ready papers are being given for plagiarism check and for modifications

Dr K T VeeraManju
Dated: 10th July 2022