



# SRINIVAS UNIVERSITY

Mangalore-575001, Karnataka (India)

## SRINIVAS RESEARCH CENTRE FOR INTELLIGENT COMPUTATIONAL CENTER (ICC)



**Prof. Subrahmanya Bhat B.**

### **Introduction:**

Srinivas University is one of the up-coming private university in the city Mangaluru-Karnataka, emphasising research in higher education. In this regard Atomic Research Centers have been developed in different colleges of Srinivas University. **ICC** is one such research center under the CCIS for involving faculty as well as students of higher education in research activity.

### **Objective:**

Intelligent Computational Center (ICC) is one of the Research Center in Srinivas University with the objective to propose the best alternative solution for any such complex problems involving multi dimensional aspects and parameters. **Research Plan:**

We are going to design and implement a “Intelligent Crop Computational System” that will suggest best alternative crop for the cultivation, to farmers community, by considering multi- dimensional factors varying from the Climate Change, Soil Fertility, Humidity, Temperature, Period of Cultivation, Cost of Cultivation, Current Market Price, etc so as to fulfill farmers present needs.

### **Expected Outcome:**

On successful implementation of this project, our system should be giving the list of crops that a farmer can adopt, based on various input parameters listed above, so as to fulfill his present needs. **Projects to be submitted for funding:**

Yes. “Intelligent Crop Computational

System” **Team Members List:**

Prof. Subrahmanya Bhat, Ms. Sangeetha Prabhu

### **Working Papers:**

1) Classification of Types of Crops

## 2) Model to build Maximizing Yield for a selected Crop

### **Published Papers:**

- [1]. Subrahmanya B & Dr. V. Vijayakumar. “Implementation of Directory based Cache Coherency Model to Analyze the Network Performance in Distributed Applications”. IOSR Journal of Engineering (IOSRJEN), October 2018, vol. 08, Issue 10, pp. 62-68, ISSN (e) 2250-3021, ISSN (p): 2278-8719.
- [2]. Subrahmanya B & Dr. V. Vijayakumar. “Adaptive Directory based Cache Coherency Model to Optimize the Network Bandwidth in Distributed Applications”. IOSR Journal of Engineering (IOSRJEN), September 2018, vol. 08, Issue 9, pp. 41-46, ISSN (e) 2250-3021, ISSN (p): 2278-8719.
- [3]. Subrahmanya Bhat & Dr. K. R. Kamath. “Directory Organizations in Cache Coherency Systems for High Performance Computation”. International Journal of Current Research and Modern Education (IJCRME), August 2016, vol. I, Issue I, pp. 868-871, ISSN: 2455–5428.
- [4]. Subrahmanya Bhat & Dr. K. R. Kamath. “Directory Based Cache Coherency Protocol In Multi-Core System For High Performance Computation”. International Journal of Current Research and Modern Education, May 2016, vol. I, Issue I, pp. 257-261, ISSN:2455–5428.
- [15]. Subrahmanya Bhat B and Dr. K.R Kamath. “Cache Hierarchy In Modern Processors and its Impact On Computing”. International Journal of Management, IT and Engineering (IJMIE), July 2015, vol. 5, Issue 7, pp. 248-253, ISSN: 2249-0558, I.F. 5. 299.
- [16]. Subrahmanya Bhat B and Dr. K.R Kamath. “Directory Based Cache Coherency, Organization, Operations And Challenges In Implementation –Study”. International Journal of Advanced Trends in Engineering and Technology (IJATET), 2015, vol. 1, Issue 1, pp. 30-33.
- [7]. Subrahmanya Bhat, & Dr. K. R. Kamath. “Effective Learning With Usage of Simulators – A Case of Nctuns Simulator In Computer Networks”. International journal of Scientific Research and Modern Education, 2016, vol. I, Issue I, pp. 415-420. ISSN-2455 – 5630.