Who Can Participate?

- Faculty Members / Research Scholars / Industry Delegates / PG Students
- Maximum of 60 participants only (First Come First Serve)
- Deadline for receipt of filled in applications : 15th March 2016

Registration Fee

- Industry Delegates - Rs. 1000/-
- Faculty Members/Research Scholars - Rs. 750/-
- Students - Rs. 500/-

- Payment can be made through a Demand Draft drawn in favor of "The Principal, Kristu Jayanti College", payable at Bangalore.
- The Registration Fee includes Workshop kit, Lunch and Refreshments.
- Accommodation can be arranged in on prior request.

Contact Us

Prof. Aruna Devi K
Department of Computer Science (PG)
MCA Programme
Email: arunadevi@kristujayanti.com
Mob: +91 97397 67462

How to reach

Bus Route

From Majestic Bus Stand (Platform 19): Bus Number : 292B, 292C, 293H, 292E, 295A
From K R Market : Bus Number : 292 to 295

Train

From Cantonment Railway Station (10Kms)
Bangalore East (8Kms)
Bus Route: 292, 292B, 292C, 202E, 292F, G11

Airport

Bengaluru International Airport (28Kms)

Kristu Jayanti College (Autonomous)
K.Narayanapura, Kothanur P.O, Bangalore - 560 077.
Tel. 080-28465611 / 28465770 Fax 080-28445161
E-mail: info@kristujayanti.com Website: www.kristujayanti.edu.in

Kristu Jayanti College

AUTONOMOUS Bengaluru

Reaccredited 'A' Grade by NAAC | Affiliated to Bangalore University

DEPARTMENT OF COMPUTER SCIENCE [PG]

MCA Programme

Organizes

National Level Workshop
on

NETWORK SIMULATION USING ns-2

18th & 19th March, 2016

About College

Kristu Jayanti College, founded in 1999, is run by "BODHI NIKETAN TRUST", formed by the members of St. Joseph Province of the Carmelites of Mary Immaculate (CMI). The college is affiliated to Bangalore University and is reaccredited with highest grade 'A' by NAAC in Second Cycle of Accreditation. The college is recognized by UGC under the category 2(f) & 12(B). The college was accorded autonomous status from 2013 by the University Grants Commission, Government of Karnataka & the Bangalore University. In India Today - Nielsen survey 2015. The college is ranked 16th Best Commerce College, 22nd Best Science College & 24th Best Arts College in India and 3rd, 4th, 5th positions in Commerce, Arts & Science among Top 10 Colleges in Bangalore. The institution strives to fulfill its missionto provide educational opportunities to all aspiring youth to excel in life by developing academic excellence, fostering values, creating civic responsibility and building global competencies in a dynamic environment.-

About Department

The Department of Computer Science (PG) offers Masters Degree in Computer Applications (MCA) which is a three year full time programme spanning six semesters and approved by the All India Council for Technical Education (AICTE). The MCA programme of the college intends to produce aspirants who will be competitive computer professionals trained in advanced technical concepts. The exclusive curriculum with updated industry oriented syllabus, skill development programmes in IT and soft skills transform the student into a competitive global professional.

Owing to the rapid changes in the Information technology it is necessary to conduct various training programmes to bridge the gap between the current technology and the emerging technology. In this regard the department conducts International Conference, Faculty Development Programmes, Workshops, Seminars, Intercollegiate Fest and other knowledge enrichment programmes periodically.

Objective

The objective of this hands on program is to bring together networking researchers from both academia and industry, to discuss recent advances, identify future directions in network simulation, and to foster Interdisciplinary collaborative research in this area. NS is a discrete event simulator targeted at networking research. It is a free software, publicly available under the GNU GPLv2 license for research, development, and use. The goal of the NS project is to create an open simulation environment for computer networking research that will be preferred inside the research community. This Workshop aims to provide an insight into simulation of Vehicular Ad-hoc Networks (VANETs) and Wireless Sensor Networks (WSN) using ns-2.

Resource Person

Mr. M. Joseph Auxilius Jude

Asst. Professor (Senior Grade)
Kongu Engineering College
Perundurai, Tamil Nadu

Mr. Joseph Auxilius Jude with over 9 years of experience, is an expert in Computer Networks and MANET (Routing) , VANET (TCP, Queue and Congestion Control),WSN, Scheduling and Routing in Wireless Networks. He has organized many National Level Workshop on " Simulation and Emulation of Self Organized Networks" and has acted as Resource person for TEQIP-II Sponsored Skill Development Programme on "Simulation of Self Organized Networks using ns-2" at various institutions and universities. He has also conducted a DRDO Funded Seminar on "Research Focus on Challenges and Issues in Self Organized Military Communication for Battle Field Scenario" and DST sponsored seminar on "Research Focus on Challenges and Issues in Self-Organized Communications during Disaster Management"

Mr. V.C Diniesh

Asst. Professor
Kongu Engineering College
Perundurai, Tamil Nadu

Mr. V. C. Diniesh , Asst. Professor in the Department of ECE , Kongu Engineering College Erode has been instrumental in organizing many National Level Workshop on "Simulation and Emulation of Self Organized Networks" and also acted as Resource person for the same concept using NS-2 and NS-3" at many institutions and universities. He has also conducted a DRDO Funded Seminar with Grant on "Research Focus on Challenges and Issues in Self Organized Military Communication for Battle Field Scenario". His is an expert in Computer Networks Wireless Networks, MANET (Routing) and WSN (Scheduling and Routing).

Schedule

Day 1

ns-2 Architecture

Wireless Scenario Creation

- Mobility Model
- Traffic Model
- Vehicular Ad-hoc Networks (VANET)
- Wireless Sensor Networks (WSN)

Day 2

Multi Interface Routing Protocol Implementation

- VANET
- WSN

Graph Generation & Trace Analysis (Using simple GREP command/AWK Script)

- Energy
- Normalized Throughput/Goodput
- Loss Ratio
- End to End Delay
- PDF