



UGC SPONSORED, One Day

**National Seminar**

**on**



ज्ञान-विज्ञान विमुक्तये

# EMERGING CHALLENGES IN DIGITAL DESIGN, SIMULATION AND NETWORK SECURITY

**MARCH 26<sup>TH</sup>, 2019**

Organized by  
Department of Computer Science  
& Physics

**JAGDISH CHANDRA DAV COLLEGE, DASUYA**  
DISTT. HOSHIARPUR, PUNJAB

**(Re-Accredited with 'A' Grade by NAAC)**

### **About the City**

Dasuya ([31.82°N 75.66°E](#) & 787 ft above sea-level), a tehsil-town in Hoshiarpur district of Punjab, is well connected by road, rail and air. The nearest airports are Amritsar and Chandigarh. It is situated on Delhi-Jammu National Highway and Delhi-Jammu Railway Line, and thus, is well connected with all parts of the country. There are regular, round-the-clock bus/rail services to New Delhi. The town is an ancient city and is famous for its historical background. It was known as Virat Nagar in the Mahabharata reign and the *Pandavas* spent last one year of their exile here. The *Pandava Sarovar* in the town is highly revered by the Hindus and other communities as well and occupies a prominent place in historical and mythological annals of India.

### **About the College**

Jagdish Chandra D.A.V. College, Dasuya was once the auspicious dream of Arya Samaj, Dasuya. The college was established in 1971 when Pt. Jagdish Chandra Sharma contributed his might and material for the establishment of this great seat of learning. The College is Re-Accredited with 'A' Grade by NAAC with 3.29 Score. After merging in the D.A.V. Ocean in 1974, the college has been enunciating the gospels of Swami Dayanand and has been imparting the code of discipline and morality to the students. Now, it stands at the apex by the virtue of its being the largest Arts, Science, Commerce and Computer Education College in the region. is a place where one can learn, interact, grow and discover; where excellence, creativity and innovation form the bottom line; where merit is honored and commitment is rewarded. Apart from regular B.A., B.Sc. and B. Com. Classes, the college also runs B.Sc. in Bio-Technology and Computer Science, B.C.A., B.Voc. (Hardware and Networking), B.Voc. (Organic Farming), M.Sc. in Physics, Mathematics, Chemistry, Zoology and Information Technology, and M.A. in History, Punjabi and English, PGDCA and UGC Community College - Multimedia (Graphics & Animation).

UGC has sanctioned Rs. 1.7 Crore for two B.Voc. Courses in Hardware and Networking and Organic Farming and Rs. 50 Lakhs to Community College - Multimedia (Graphics & Animation) to the college. Every year, many students are placed in University Merit Lists. The brilliant performance of students in extra-mural activities and scintillating performances in sports have given the college a glorious and illustrious identity of its own. The college has been awarded NPTL chapter by IIT Kanpur. The students are also placed in Multi National companies in On Campus Placement drives.

### **About the Department**

Post Graduate Department of Computer Science is one of the youngest constituent unit of our college. It was established in the year 1998 with UG department and 2001 with PG department with the objective of producing IT professionals of international standard to develop researchers and to meet the requirements of booming IT industry. The Department has five modern air-conditioned computing labs, class rooms and adequate office. The whole Department has ultra-modern facilities projectors and high speed internet. The LAN caters to many important computing needs of the department such as compilers of the popular programming languages, LINUX, RDBMS software (Oracle, SQL server), communication facility and high speed internet facility. All the labs, the seminar room, office are connected through LAN. We are running B.C.A., B.Voc. (Hardware and Networking), M.Sc. (I.T.), PGDCA, Community College - Multimedia (Graphics & Animation), Add-on Hardware and Maintenance Course and computer science subject in other UG and PG classes.

### **About the Seminar**

Today is the era of integrated research where digital design, simulation and network security has been playing a key role in communication network. UGC Sponsored One Day National Seminar "EMERGING CHALLENGES IN DIGITAL DESIGN, SIMULATION AND NETWORK SECURITY" will provide a platform for scientists, academicians, analysts, designers and professionals working in different scientific area to interact and exchange ideas, to discuss problems and solutions, to identify new issues, to contribute and to disseminate innovative & emerging areas and to shape future directions for research and development. The main objective of seminar is to provide a platform/opportunity to research scholars, academicians and resource persons to interact and exchange information and experiences about their research activities in different fields. Seminar will consist of invited lectures by eminent Industrial experts, paper through slide presentations in the fields related to the title of the seminar.

## **Call for Papers**

Authors are invited to submit papers containing original unpublished research in the areas related to the title of the seminar. The broad areas covered under the title are as follows:

**Network Architecture**

**Digital System and Logic Design**

**LAN, WAN, MAN Security**

**Cryptography**

**Wireless Sensor Networks**

**Satellite Communications**

**Radio Networks**

**Internet Services**

**Web Monitoring**

**DNS and Network Models**

**Cyber Security Protocols**

**Modelling and Simulation**

**Algorithm Development**

**Computational Methods in material science**

**E-Commerce Payment System Secure tools**

**Computational Physics Education**

**Computational Techniques in Particle and Nuclear Physics**

**Computational Methods in Material Science**

**Any other relevant topic related to area**

Abstract within 500 words indicating Title, Authors with affiliation, email addresses, mythology and findings should be communicated to the organizing committee. The advisory committee has finalized that only 10 minutes will be given for oral slide presentations. A certificate with signature certifying that the research paper is original and has not been published anywhere else should also be submitted with the Registration form.

## **Important Dates**

Abstract Submission Deadline	: March 18, 2019
Notification of Acceptance	: March 20, 2019
Full Paper Submission	: March 22, 2019
Date of Seminar	: March 26, 2019

After abstract acceptance, Soft copy of full length paper should be sent at the email address [comp.jcdav@gmail.com](mailto:comp.jcdav@gmail.com) by March 22, 2019. Paper should be typed on A4 size paper in MS Word in Times New Roman font with font size 14 for title and font size 12 for text with margins: 1.4 left, 1 right, 1.5 top and 1.5 bottom. Corresponding author must be marked with \*.

## **Registration Fee\***

Industry Persons	:Rs. 500/-
Academician/ Faculty	:Rs. 250 /-
Research Scholars	:Rs. 150 /-
Student/Listeners	:Rs. 100/-

**\*Registration Fee will be payable on the day of seminar at time of registration.**

# ORGANIZING COMMITTEE

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