



Goswami Ganesh Dutta Sanatan Dharma College

SECTOR 32-C, CHANDIGARH

A MUTLI FACULTY POST GRADUATE EDUCATIONAL INSTITUTION

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आजादी का
अमृत महोत्सव



PG Department
of Information
Technology

Organises



ICSSR

Sponsored

One Day National Seminar on
Recent Trends in Information Technology

25 March, 2022 (Friday)

Capt (Dr.) Virender Singh
Seminar Director
HOD, PG Deptt. of IT

Dr. Ajay Sharma
Principal
GGDSD College

Sh. U.K. Sharma
President
GGDSD College Society

About College

Affiliated to Panjab University, Chandigarh, excellence is what Goswami Ganesh Dutta S.D. College has achieved in more than forty years of its existence. The motto of the college is '**Firm in Faith and Broad in Mind**'. The institution was established on 3rd July, 1973 in the revered memory of Goswami Ganesh Dutta Ji, who envisioned Chandigarh as a focal point of culture and saw it as a potential hub for Sanatanist activities. His dream materialized under the dynamic leadership of late Pt. Mohan Lal Ji, former Education, Home and Finance Minister, Punjab, and other prominent educationists, lawyers and public men. Pandit Ji was joined in his untiring efforts by the luminary Prof. Roshan Lal Verma Ji, the founder Principal of the college and his wife Mrs. Kaushaliya Devi Verma Ji, who donated their entire lives' savings in setting up this institution. The Principals of the college have striven towards continuing this saga of excellence.

RARE DISTINCTIONS

- Accredited with '**A+**' Grade by the **NAAC** during the session 2016-17.
- Bestowed with status of 'A College with Potential for Excellence' by the UGC.
- **The college is listed in rank band 101 to 150 in NIRF (The National Institutional Ranking Framework) 2020, MHRD, Government of India.**
- **The College has been placed 17th in BCA, 23rd in Commerce, 23rd in Science, 18th in BBA and 38th in Arts in the 'Best College of India' survey conducted by India Today-MDRA, 2021.**
- Sanctioned '**Deen Dayal Upadhyay Knowledge Acquisition and Up-gradation of Skilled Human Abilities and Livelihood (KAUSHAL) Kendra**' status by the UGC to run B.Voc. courses.
- Conferred **Research Centre status by P.U.** in the subjects of Biotechnology, Chemistry, Physics and Commerce.
- Departments of Commerce & Management, Bio Sciences and Economics have been declared as "**High Rated Departments**" by the UGC.
- Selected under **Star College Scheme** by DBT Government of India.
- MoU with acclaimed **University of the Fraser Valley (UFV), Canada** for BBA and Computer Information System (CIS) Programmes.
- MoU with **Tata Consultancy Services (TCS iON)** for automation solutions and developing Enterprises Resource Planning (ERP).
- MoU with **National Stock Exchange (NSE)** to run NSE Certified Capital Market Professional Course.
- **MOU with ICT Academy** to train and enhance the skills of teachers and students through a seven pillar program in the areas of Faculty Development, Skill Development, Entrepreneurship Development, Youth Empowerment, Industry-Institute Interaction, Digital Empowerment and Research & Publications.



About Department

The Department was founded in 1990 with the mission to provide 'Degree Courses' in the field of 'Information Technology' in order to create IT Professionals, thus developing hardware & software skills among students by enhancing their knowledge, awareness, self-exploration and innovative approach towards application of information systems, automation and implementation of services. The vision of the Department is to provide the students best possible Teaching Environment and IT infrastructure including the facilities like well-equipped labs with latest computer systems, provision of smart classes, availability of physical as well as online study material, online interactive learning, conducting academic/awareness programs and placement drives to make them excel in the science of computing technology.

The Department aims to enhance quality and effectiveness of education that inculcates skill development in students based on practical exposure by strengthening academia-industry linkages through collaboration with the reputed industries and research institutes. The Department runs Graduate, Post Graduate and Diploma courses. The Department has a team of highly competent staff (teaching and non-teaching), who are determined and dedicated to their responsibilities. The faculty of the department is well qualified and committed to their teaching duties. The primary motive is to stimulate the students to give their best and make them learn till perfection. The Department provides students with technically sound environment in a professional framework to gain knowledge, and understand the ongoing changes in the field of computing technology.

About Seminar

The main objective of One Day National Seminar on **Recent Trends in Information Technology 2022** is to present the latest research and results of scientists with a theme pertaining to Artificial Intelligence, Machine Learning & Data Science, Devices, Circuits and Systems, Computational Biology/Biotechnology, Biomedical Informatics and Network Medicine, Communication Networks, Cloud computing and IoT, Image, Video and Signal Processing, Security and Privacy. This seminar provides opportunities for the delegates from interdisciplinary fields to exchange new ideas and application experiences face to face, to establish academic or research collaborations. Researchers from academia and industry come together on a common platform and help them to develop a comprehensive understanding of the challenges of technological advancements from different perspectives.



Call for Paper

Authors/Researchers are encouraged to submit their original and unpublished results of conceptual, experimental, or theoretical research. Papers are invited in the following areas but not limited to the same :-

- Artificial intelligence
- Machine Learning
- Data Science Neural Networks
- Deep Learning
- Data Mining
- Big Data Analytics
- Explainable AI
- Statistical Inference
- Data Visualization
- Devices, Circuits and Systems Circuits, Reliability and Fault Tolerance
- Computer-Aided Design and Verification
- Digital Circuits and FPGA based Designs
- Emerging and Post-CMOS Technologies
- System Design and Security
- VLSI for Applied and Future Computing
- Systems & Control
- Communication Networks, Cloud computing and Internet of Things
- Wireless Sensor Networks
- Vehicular Communication Networks
- 4G/5G/Next-generation Network Evolutions
- Mobile and Wireless Communication
- Optical communications
- RF and microwave communications
- Green Communications
- IoT Architectures and protocols
- QoS Management in IoT Networks
- IoT in 5G Networks
- Smart Grids and Microgrids
- Cloud and IoT Networks
- Cloud or Fog Computing
- Image, Video and Signal Processing
Signal processing
- 2D/3D Object Detection and Recognition
- Image and Video Analysis
- Document Image Processing
- Audio and Acoustic Processing
- Image, Video Coding and Compression
- Human-Computer Interaction
- Digital Topology and Geometry
- Biometrics
- Multimedia Technologies
- Security and Privacy
- Security and
- Cognitive radio
- Information Theory and Coding
- Cryptology
- Blockchain technology
- Security protocols
- Privacy-enhancing technologies
- Viruses and Malware
- Network security
- Digital forensics
- Computational Biology and Bioinformatics Embedded Systems
- VLSI Design
- Electronic System Design
- Synthesis and Testing
- Energy Harvesting
- Low Power VLSI
- RF VLSI
- VLSI Testing
- Nano Device
- Modelling
- Solar Cell Device
- ASIC
- Sensor, Sensor Network
- Computer Networks
- Communication & Security
- Computational Biology
- Biomedical Engineering
- Bioinformatics
- Network Medicine
- Biology-inspired Computational Methods
- Medical and Biological Databases
- Biomedical Signal Processing
- Medical Informatics
- E-Governance
- Digital Marketing
- Technology and Business Environment

INAUGURAL SESSION



Prof. (Dr.) Tankeshwar Kumar
Chief Guest
Vice Chancellor,
Central University of Haryana



Prof. Sanjay Kaushik
Guest of Honour
Director, ICSSR NWRC,
Panjab University



CA D.K. Sindwani
Keynote Speaker
CMD-cum-Director IT,
Vardhman Textile Industries

TECHNICAL SESSION-1



Dr. Gagan Deep Sharma
Chair
Associate Director-International Affairs
Guru Gobind Singh
Indraprastha University,
New Delhi



Dr. Karun Kant Uppal
Co-Chair
SD Alumni, Assistant Professor
Kamla Lohtia SD College,
Ludhiana



Dr. Rakesh Sehgal
Chair
Associate Director
CDAC,
Mohali



Dr. Rajeev K Sharma
Co-Chair
Assistant Professor
Department of Physics
PAU Ludhiana

TECHNICAL SESSION-2

VALEDICTORY SESSION



Prof. Anju Suri
Chief Guest
DCDC, Panjab University

Submission Guidelines

- Research papers to be submitted through email at itseminar@ggdsd.ac.in
- Detailed guidelines for paper submission are uploaded on the college website: www.ggdsd.ac.in
- Selected papers will be published in reputed peer reviewed Journal/Book.

Important Dates

Paper Submission Opens	March 7, 2022
Submission Deadline	March 17, 2022
Acceptance Notification	March 20, 2022
Date of Seminar	March 25, 2022

Registration Fee

Delegates*	₹1000/-
Students/Research Scholars	₹500/-

(*For faculty under GGDS D College Society registration charges will be 50%)

Organising Committee

Chief Patron Shri U.K. Sharma, GGDS D College Society, Chandigarh	Patron Dr. Ajay Sharma, Principal, GGDS D College, Chandigarh	Seminar Director Dr. Virender Singh, Head, PG Department of IT
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Dr. Virender Singh, Ms. Gaganpreet Walia, Ms. Ritika Sinha

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Ms Osheen Sharma, Ms. Shweta Sharma, Ms. Sheetal Sharma,
Ms. Meenakshi Kondal, Ms. Monika Sharma, Ms. Himani Verma.

For registration and further query contact

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