



सत्यमेव जयते

**Ministry of Human Resource
Development
Government of India**

sponsored

**GLOBAL INITIATIVE OF
ACADEMIC NETWORKS (GIAN)**

course on

**“FREE/LIBRE OPEN SOURCE
SOFTWARE AND THE
UNDERLYING TECHNICAL,
SOCIAL, AND LEGAL ISSUES”**

November 15-20, 2020

Organized by

**Department of Computer Science,
Guru Nanak Dev University,
Amritsar, Punjab
India -143005**



Course Overview

Nowadays Free/Libre Open Source Software (FLOSS) permeates almost every enterprise software system. OSS being free, from any vendor lock-in, attracts many users but still people don't have full faith in OSS products as far as their quality issues are concerned. They may understand the philosophy behind OSS development paradigm, but lack awareness on technical and legal issues of using OSS products.

Therefore, it is important to gain an understanding of FLOSS development tools, processes, and culture. FLOSS education has not yet become an integral part of the computer science curricula. It is mentioned as a sub topic in courses on Software Engineering and other related topics. Even faculty members are not fluent in FLOSS development and don't explore FLOSS while teaching computer science. Keeping in view the interest of the software industry in FLOSS projects, and the lack of avenues for learning FLOSS in a formal setting, we propose this course to bridge the gap.

Objectives

- Exposing participants to the fundamentals of FLOSS development & the philosophy behind.
- Making the participants aware of the FLOSS licensing and legal issues while choosing FLOSS products with different licenses.
- Training participants to learn how to choose a software project, and then contribute with hands on training on the git version control system.
- Exposing the participants to research prospects by mining the FLOSS repositories
- FLOSS business models and how to start your own FLOSS project
- Contributing to Humanitarian and Free Open Source Software (HFOSS)
- OSS Analytics with hands on practice of the existing tools for the purpose

Foreign Faculty

Dr. Gregorio Robles is an associate professor at Universidad Rey Juan Carlos, Madrid, Spain.

His research interests include free open source software, and Computational Thinking. He is specialized in software analytics of Open Source Software Systems. His primary focus is on mining software repositories, socio-technical issues such as community metrics, software evolution, and development effort estimation. He has developed and maintained several software tools, such as CVSAnLY, a versioning system log analyzer, and Dr. Scratch, a web based gamified computational thinking skills assessment tool.

He has also participated in several multi-million-euros European, national, and regional funded projects. Besides international research institutes, he has also collaborated with the software industry.

He has served in the program committees of several prestigious conferences in the field of Software Engineering including ICSE, MSR, and SANER.



Host Faculty

Dr. Kuljit Kaur Chahal is an associate professor in Deptt of Computer Science, Guru Nanak Dev University, Amritsar, India. Her research interests lie in Open Source Software, and Distributed Systems. She has been awarded research and travel grants by IBM Research Fund, Google, University Grants Commission (India), and Guru Nanak Dev University (India).



Dr. Munish Saini is an assistant professor in the department of Computer Engineering and Technology, Guru Nanak Dev University, Amritsar, India. His Ph.D is in the evolutionary behaviour of Open Source Software Projects. He has presented his research at reputed international and national forums.



About Amritsar

The city of Amritsar (founded in 1577 by fifth Sikh master Sri Guru Ram Das) is located on the NH#1, and is about 25 km from the international border with Pakistan. Apart from being a holy city, Amritsar is an important commercial hub in north India. The Golden Temple, Jallianwala Bagh, Durgiana Temple, Ram-Tirath Temple, and Indo-Pak International Border are the major tourist attractions.

About Guru Nanak Dev University

Guru Nanak Dev University was established in Amritsar on November 24, 1969 to mark the 500th birth anniversary of the first Sikh master Sri Guru Nanak Dev.

It is both a residential and an affiliating university with 35 academic departments at the University Campus and 148 affiliated colleges and 71 Associate Institutes. Spread over a stretch of 500 acres towards the west of the City, Guru Nanak Dev University presents a picture of modern architecture.

Carefully nurtured by the committed academia, the university has carved a niche for itself in the academic world. The university has attained the status of "University with Potential for Excellence (UPE)" the highest status in academics awarded by University Grants Commission (UGC). The University has won the highest sports Award in the country, the Maulana Abul Kalam Azad Trophy, for a record of 21 times.

How to reach?

The campus is well connected by all modes of transport. The university campus is just 15km from Shri Guru Ramdas international airport, 6km from the city railway station, and 8km from the city bus stand.

Who can attend?

- Students (undergraduate, graduate, and Ph.D), postdocs and scientists/faculty members from academic and technical institutions.
- Researchers and engineers from R&D laboratories and industries.

Course Registration

Web registration: Rs. 500/-

After the mandatory web registration at <http://gian.iitkgp.ac.in/GREGN/index>, only the shortlisted participants will be informed by email to register for the course by making full payment of the course registration fee.

Registration Fee (non-refundable):

Participants from abroad: \$500

Industry/Research Organization: Rs. 5000/-

Academic Institution: Faculty: Rs. 2000/-

Students: Rs. 1000/-

Mode of payment:

A demand draft in favour of "Registrar, Guru Nanak Dev University" payable at Amritsar - 143005, Punjab before the last date of registration.

The registration fee includes kit, certificate, lunch & tea. No refund of registration fee will be made. Accommodation is available in the campus on payment basis. No TA/DA will be paid.

Course Coordinator

Dr. Kuljit Kaur Chahal

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GIAN COURSE ON ON FREE/LIBRE OPEN SOURCE SOFTWARE AND THE UNDERLYING TECHNICAL, SOCIAL, AND LEGAL ISSUES

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REGISTRATION FORM

for participation

1. Name(Dr/Mr/Mrs/Miss) _____

2. Date of Birth: _____

3. Gender: _____

4. Nationality: _____

5. Organization (full name): _____

6. Designation: _____

7. Area of Interest: _____

8. How will this course be useful to you?

9. Contact details:

Phone Number: __ _____

Email: _____

10. Registration fee details

DD number. _____

date and amount: _____

11. Is accommodation required? Yes/No
From ___/11/2020 till ___/11/2020.

Date

Signature

Please email the registration form to the course coordinator.