



SACRED
HEART
COLLEGE
Autonomous



Department of Chemistry

In Association with

College Development Council
(DCDC)



&

Kerala State Higher Education
Council (KSHEC)



Organizes

A FIVE-DAY FACULTY DEVELOPMENT PROGRAMME (FDP) FOR FYUGP/PG SCIENCE TEACHERS & RESEARCHERS

Title of the FDP :

Digital Science: Hands-on Training in AI, Python,
Computational Quantum Chemistry & Drug Design

Topics of the FDP:

AI, Python, Computational Quantum Chemistry
using ORCA & GAMESS, Alphafold Protein Modelling
and Molecular Docking



2026 November 16-20



Venue : Sacred Heart College Thevara

Registration Link:

<https://forms.gle/KXh3oGt4qz8gwXkv7>

Resource Persons:



Dr. E. G. Jayasree
Professor, Dept. of Applied
Chemistry CUSAT



Dr. Abi T G
Associate Professor,
Dept. of Chemistry
Sacred Heart College Thevara



Dr. Shailesh Sivan,
Assistant Professor, Department
of Computer Science, CUSAT



Dr. Girinath G. Pillai
Principal Scientist, CVJ Centre
for Synthetic Biology &
Biomanufacturing CUSAT

About the FDP

- ▶ The FDP offers intensive hands-on training in AI, Python, Computational chemistry and drug design.
- ▶ Through expert-led sessions, participants will develop computational skills applicable to classroom teaching, student projects and interdisciplinary research.
- ▶ Certificates/duty leaves signed by KSHEC and DCDC-MGU will be issued to participants upon successful completion of the FDP.
- ▶ FDP certificates may consider for CAS subject to applicable UGC regulations and MG University norms.
- ▶ The registration fee includes course materials, certificates, lunch and refreshments.
- ▶ Windows desktop computers will be provided to the participants for training
- ▶ We help the participants to arrange accommodation at Ashirbhavan, Kacheripady, Ernakulam, If needed.

Modules & Schedule (9:30 AM to 4.30 PM)	Admission	Registration Fee & Account Details
Day 1 : Computational Chemistry & AI tools	Eligible Participants: Science Teachers & Research Scholars	FDP fees : Rs 2500
Day 2-5: Hands on training Sessions in	Maximum intake = 50 (first-come, first-served basis)	ESAF Small Finance Bank- Ernakulam
a) Basic Python Programming and AI Tools	Registration Procedure: Participants should contact the FDP Coordinator to confirm their seats, pay the course fee through any online payment mode, and submit the google form given in the front page	Sacred Heart College Research and Consultancy
b) Quantum Chemistry Using ORCA & FIREFLY		Ac. No: 50210000192411
c) AlphaFold Protein Modelling and Molecular Docking		IFSC: ESMF0001183

Organizers

- ▶ Patron: Prof. Dr. Franklin John, Principal, Sacred Heart College, Thevara
- ▶ Convenor: Prof. Dr. Jinu George, HOD of Chemistry, Sacred Heart College, Thevara
- ▶ Administration: Department of Chemistry, Sacred Heart College, Thevara

All correspondence should be addressed to the FDP Coordinator:
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