

Data Curation, Standardization & FAIR Chemistry — Hands-on

Learn how to clean, standardize and document chemical data so that it is consistent, reusable and FAIR. You will practice structure normalization, identifier alignment, metadata capture and simple registry style workflows to support robust cheminformatics, ADMET and safety analytics across projects.

Data Curation, Standardization & FAIR Chemistry

[Help Desk](#) · [WhatsApp](#)

Session Index

[Session 1 — Chemical Data Quality & Curation Foundations](#) [Session 2 — Standardization, Normalization & Identifiers](#) [Session 3 — Metadata, Registries & FAIR Chemistry Workflows](#) [Session 4 — Mini Capstone: FAIR Ready Cheminformatics Dataset](#)

Session 1

Fee: Rs 8800 [Apply Now](#)

Chemical Data Quality & Curation Foundations

Why chemical data quality matters for analytics

[impact on QSAR, VS and ADMET](#) [reproducibility and traceability](#) [series level decision support](#)

Common issues in raw chemical datasets

[duplicates and near duplicates](#) [missing or inconsistent fields](#) [structure and ID mismatches](#)

Conceptual workflow for chemical data curation

ingest and profiling **clean, standardize, document**
version and share safely

Session 2

Fee: Rs 11800 Apply Now

Standardization, Normalization & Identifiers

Chemical structure standardization concepts

salts, mixtures, tautomers ideas **charge and valence**
checks **structure normalization flow**

Identifiers and cross links (conceptual overview)

SMILES, InChI, InChIKey **internal vs external IDs**
mapping tables and checks

Normalization of assay and property fields

units and scale consistency **value ranges and flags**
simple QC summaries

Session 3

Fee: Rs 14800 Apply Now

Metadata, Registries & FAIR Chemistry Workflows

Metadata for chemical and assay datasets

who, what, when, how fields **simple templates and**
checklists **linking to protocols conceptually**

Registry style thinking (high level, conceptual)

unique keys for structures **history and version**
notions **simple change tracking ideas**

FAIR chemistry principles applied in practice (overview)

findable and accessible datasets **interoperable**

formats **reusable with clear context**

Session 4

Fee: Rs 18800 Apply Now

Mini Capstone: FAIR Ready Cheminformatics Dataset

Clean and standardize a small chemical dataset

Theory + Practical

Apply identifiers, metadata and simple registry ideas

structure and ID alignment table **metadata and QC**
summary sheet **basic versioning snapshot**

Deliverables: FAIR style dataset bundle and short note

curated data file **README and metadata template**
PDF/HTML description summary