

Metagenome-Assembled Genomes: Curation & QA/QC — Hands-on

Transform raw genome bins into high-confidence Metagenome-Assembled Genomes (MAGs). You'll diagnose contamination, perform targeted re-binning and re-assembly, evaluate against MIMAG tiers, assign taxonomy with GTDB-Tk, and build reproducible, submission-ready reports that stand up to peer review.

Metagenome-Assembled Genomes: Curation & QA/QC

[Help Desk](#) · [WhatsApp](#)

Session Index

[Session 1 — Diagnostics & Curation Workflow](#) [Session 2 — Contamination Detection & Cleanup](#)

[Session 3 — Taxonomy, Quality Tiers & Validation](#) [Session 4 — Reporting & Submission Preparation](#)

Session 1

Fee: Rs 8800 [Apply Now](#)

Diagnostics & Curation Workflow

Initial MAG screening & triage

[size/GC/contig count](#) [coverage variance](#) [marker completeness](#)

Interactive refinement planning

[Anvi'o bin plots](#) [depth & tetranucleotide](#) [split/merge strategies](#)

Curation playbook & SOPs

versioning evidence tracking reproducible records

Session 2

Fee: Rs 11800 Apply Now

Contamination Detection & Cleanup

Metrics & tools for QA/QC

CheckM completeness/contamination GUNC
chimerism CheckV (viral bins)

Manual & automated cleanup

re-binning (MetaBAT2/MaxBin2/CONCOCT) DASTool
integration contig removal/keep lists

Targeted re-assembly & scaffolding

read recruitment gap-filling strain deconvolution
(overview)

Session 3

Fee: Rs 14800 Apply Now

Taxonomy, Quality Tiers & Validation

Taxonomic assignment & typing

GTDB-Tk ANI/AAI & Mash phylogenomics (marker
sets)

MIMAG tiers & evidence

tRNA/rRNA presence completeness thresholds strain
heterogeneity

Final validation checklist

QC tables & plots red flag review sign-off criteria

Session 4

Fee: Rs 18800 [Apply Now](#)

Reporting & Submission Preparation

Reproducible MAG report

tables, plots & QC badges **provenance & parameters**

Packaging & metadata

FASTA/GBK + annotations **MiXS/MIMAG fields** **readme
& licenses**

Submission prep (overview)

public repo readiness **accession fields checklist**
data/metadata sync