

Aarupadai Veedu Institute of Technology

CENTRE FOR NANOTECHNOLOGY

RESEARCH

We are providing the consultancy services and skill based training in the area of nanomaterials synthesis and their characterization

CONSULTANCY SERVICES
&
SKILL BASED TRAINING

SYNTHESIS OF NANOMATERIALS

- Sol-gel Method
- Hydro-thermal method
- Green-Synthesis method
- Spin-coating process

FABRICATION OF NANOSTRUCTURES

- Chemical corrosion
- Materials processing – Materials hardening by thermal quenching
- Materials processing – Crystallization, defects recovery by thermal annealing

MATERIALS CHARACTERIZATION

- UV-Vis spectrophotometer (UV-Vis 2600, Shimadzu make) – absorption/emission spectra of liquid samples from 220 to 1400 nm.
- Fourier transform infra-red spectroscopy (FTIR and FTIR – ATR mode)
- Atomic Force Microscope (AFM)
- Characterisation of electrode surfaces using electrochemical work station

TRAINING

We are conducting skill based training to students, faculty members from academic institutions and industries who are interested to learn Nanotechnology. The training events are scheduled in May and December.

CONSULTANCY CHARGES CATEGORIES

- Part A :** Synthesis and Processing of bulk and Nanomaterials [\[Click Here to Read More...\]](#)
- Part B :** Characterisation Facilities [\[Click Here to Read More...\]](#)
- Part C :** Skill based Training (Tutorials and Lab work) – Participation and Merit Certificates will be issued by the authorities) [\[Click Here to Read More...\]](#)



Nanomaterials Synthesis Laboratory - Phase I



Nanomaterials Synthesis Lab - Phase II



Characterization Facilities

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