Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad

TEQIP-II Sponsored Short Term Course on
Bio-Inspired and Geospatial Techniques (BIOGEOS), Feb. 27- March 03, 2015

Report of Outcome of the BIGEOGS

Objective: This course provide in-depth understanding of approaches for solving Engineering problems using various Bio-Inspired and Geospatial Techniques. Course enabled the participants to understand fundamentals and enrich their knowledge about the widely used and emerging software. Practical exposures to the techniques is also given to the participants through Laboratory Sessions.

Activity: Course was inaugurated on Feb. 27, 2015 at 12:45 PM in GS-6. Twenty Six Hours of expert lectures were conducted from Feb. 27, 2015 to March, 03, 2015.

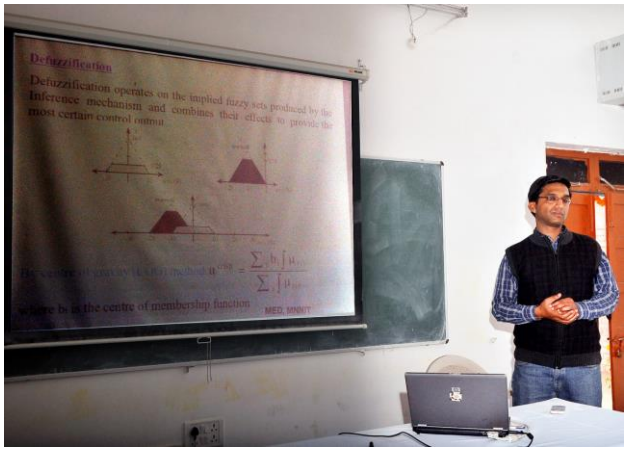
Report: 40 Nos. of total participants from different academic Institutes attended the course. 11 Nos. of experts have delivered expert lectures.

Outcome: Course equipped the participants with vast exposure to different Bio-Inspired and Geospatial Techniques like ANN, Fuzzy Logic, Particle Swarm Optimization (PSO), GIS, Remote Sensing, and hands on experience on different software. So that they will be able to utilize the acquired knowledge in their research and real word problem solving like design optimization, road network analysis, land-use planning, change detection in urban areas etc. This will help them to improve their teaching and research capabilities and professional career.

Future Action: Same type of courses may be planned in future also with more emphasis on real world problem solving based on integration on these Bio-Inspired and Geospatial Techniques.

24.3.2015
(R. M. Singh)
Coordinator, BIOGEOS

24/03/2015
(Varun Singh)
Coordinator, BIOGEOS


Defuzzification
Defuzzification operates on the implied fuzzy sets produced by the
Inference mechanism and combines their effects to provide the
most certain control output.
MED, MNIT

Mapping and visualization
Model the real world using geographic data
Mountains
California
City
London
Country
Japan
River
Wyoming

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