

PROJECTS AT C-MMACS : An Outline

R & D PROJECTS

Sponsored Projects

1. Ocean modelling, Phase II; DOD
2. A neural network based atmospheric prediction system; DST
3. Development of a PC based demonstration system to MONTCLIM manpower development programme; DST.
4. Determination of material properties of road pavement component layers from surface measurements: development of mathematical model and software; DST (Collaborating lab: CRRI).
5. Prognostic modelling of landslides (with CBRI, Roorkee)
6. Strength contours of leather surfaces (with CLRI, Madras)
7. Computer aided design of tunnels (with CMRI, Roorkee Centre, Roorkee)
8. Modelling of microsegregation during solidification of metallic alloys (with NML, Jamshedpur)
9. Simulation of bioremediation in hydrocarbon contaminated soil beds (with RRL, Jorhat)
10. Kinetic analysis of cephalosporin biosynthesis (with RRL, Jorhat)
11. Development of a model for ash distribution in Indian coals (with CFRI, Dhanbad)

Collaborative Projects

1. Studies in geological fluid mechanics; NGRI, Hyderabad.
2. Investigating strain fields in zones of recent seismicity in southern peninsular India (with NGRI, Hyderabad).
3. Nondeterministic modelling of earthquake processes (with NGRI, Hyderabad)
4. Atmospheric photochemical modelling to study the global change and remote computing (with NPL, Delhi)
5. Computer aided chemistry (with IICT, Hyderabad)

In House Projects

1. Studies in stochastic modelling and data analysis
2. Modelling stress in the Indian lithosphere and earthquake genesis
3. Augmentation of computing facilities