

## IUCEE – Algorithms Group

Sub-Group 1: Dr.RBV Subramanyam – NIT, Warangal  
Dr.M.Kannan – KSR CT, Tiruchengodu  
Ms.S.Sapna – KSR CE, Tiruchengodu  
Mr.Ch.Anil Kumar – HiTec EC, Hyd.

### Plan of Presentation:

1. Topics influenced us.
2. We wish to do.

## Topics influenced...

- Group Activities –topological sort.
- Problem Mapping – Known to unknown
- TSP and HC
- Discrete Mathematics- Tiling problems, Baye's Theorem <-> Spam filtering, Relations <--> RDBMS,
- Great Ideas – exposed to big ideas, evolution, contributors, NP...,

## Topics influenced...

- Data Structures – Shortest Path, MST,
- Algorithms – Stable matching, Network flows.
- Research having social impact –DSH, IMCI.
- Research Areas – Computational Economics

## We wish to do ....

- Course objectives, plan, goals, stuff (quizzes, tests, assignments, ppt) on college website/student groups, rules of evaluation.
- Taking feedback at regular intervals for clearest /muddiest concept.
- Promote thinking, make students proactive learners.
- Pair-think-share, Group activities, Make students come out of their inhibition.

## We wish to do....

- Use OCW.
- Contribute to Connexions.
- Toast Master Groups for effective communication skills, leadership qualities.
- Use demos, lab view.
- Use modern aids for teaching.
- Care for the students for his/her overall development.
- KASH- knowledge, attitude, skills, habits.

## At NIT, We do ...

- Organize similar workshops – Finishing School, MHRD sponsored refresher courses, ATPs, Collaborative research.
  - Digital Study Hall – sonet.
  - Telangana a backward area effected by poor utilization of resources, naxalism..
  - Teaching Algorithms, DWDM.
- Teacher can not be continued to be a teacher unless he continues his learning.*
- Thank you.