

Services to Community and Economy

Programmes Conducted

Computer Awareness Programme for Railway Employees	20th Feb 2007 to 2nd March 2007	35
Workshop on STAAD PRO Software	February 2007	57
Workshop on STAAD PRO Software	March 2007	50
Computer Awareness Programme for Class IV Employees (Railways)	April – May 2007	74
Analysis of Water in nearby rural Areas Hingna & Butibori	August September 2007	Masses
Guest Lecture by Mrs. Zadgaonkar at municipal corporation, Kolkota	June 2007	75
Orientation Programme on CNC & Robotics	September 2007	20
Entrepreneurship development programme for unemployed youth	September 2007	25

Computer Awareness Programme for Class IV Employees (Railways)





Training Programmes on STAADPRO Software

STADDPRO, a latest software in Civil Engineering procured under TEQIP is very useful to industry persons. Two training programmes were arranged for industry people to introduce them to latest technology & software.

Orientation Programme on CNC and Robotics

Training on CNC & Robotics was organized by Mechanical Engineering Dept for the students of Govt. Polytechnic Nagpur. Students got the knowledge & practical exposure.



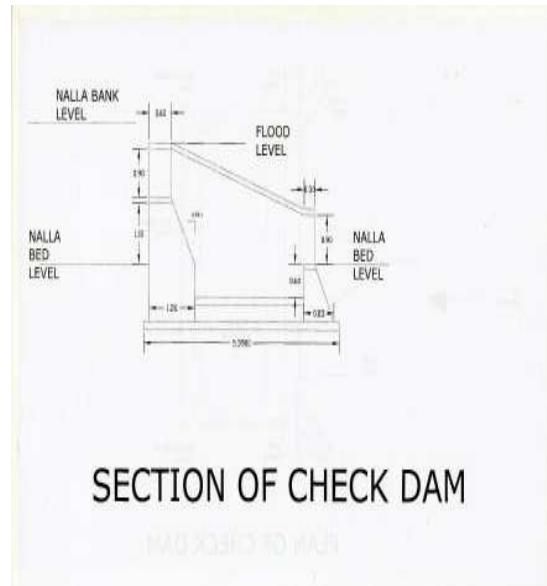
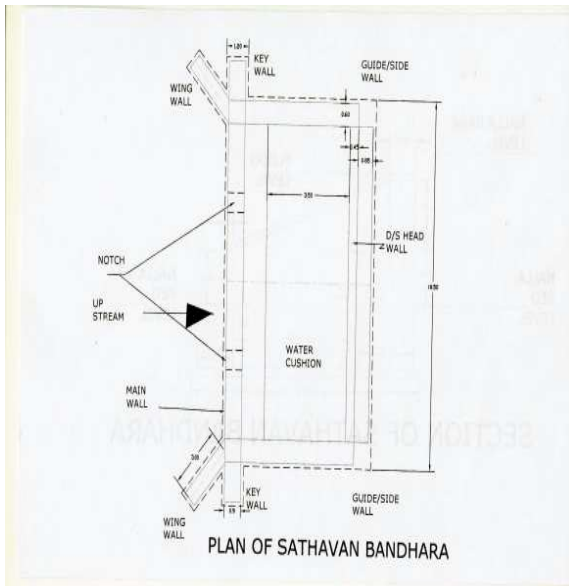
Total No. of Beneficiaries : 25

Water Harvesting Project

- Dr. N. M. Kanhe & final year students of Civil Engineering Department are working on Water Harvesting project for Village Khumari.
 - Up gradation of Water Shade Development and Water Supply Scheme
 - Methods to raise the level of ground water table .
 - Existing ground water quantity & quality was checked and it was found that only plain-chlorination is required to disinfect the water and make it potable.

Benefits :

The villagers will get adequate safe drinking water. The dug and bore wells water level will increase. Villagers can save their time required for bringing the water from distant places. The ground water recharge will also take place due to construction of check dams.



Technology Transfer

Projects developed by students of IT dept for Central Railways, Nagpur

SN	Name of the Project	Names of the students
1	Infra-CAM Power Detection System	Mithilesh Bhakre Pankaj Wanikar, Abhijeet Joshi, Shantanu Lonkar
2	Database management Of Pump House	Shubra Prasad, Rahul Gupta, Purva Bawdekar, Prerna Gupta
3	Gradient Plotting Curve	Aditya Agarwal, Akshit Kapoor, Naushad Ali Khan, S. Daljit Singh
4	Interactive Voice Response System	Bhaskar Sharma, Chetan Meshram Amol Mundhra, Aman Kumar
5	Automation & computerization of Air Conditioning depot Of Central Railways	Arjun Jain, Ashraf M. Choudhury , Rahul Gondane, Rahul Thakre

IVRS Project Implementation for Central Railways

- A project titled “ **Interactive Voice Response System for Loco Pilot Duty Enquiry**” is implemented for Central Railways by students of IT Dept, GHRCE
- **DRM ,Central Railway, Nagpur has proposed to implement it at all their 67 zones in India**
- The project has been developed by Bhaskar Sharma , Chetan Meshram, Amol Mundhra , Aman Kumar (Final year IT students) guided by Prof. S.A.Chhabria
- The project is basically for the **Locomotive Pilots**, in and around **Nagpur division**.
- There was persistent requirement from the crew regarding:
 - a) Advance information of their availability time and turn of booking
 - b) Sanctioned status of leave and rest
 - c) Other information regarding road learning, PME, refresher due, etc.
- Crew used to contact the lobby by coming personally to get the desired information or used to make a call to the clerk sitting at the Pilot’s Lobby who did this whole job of informing all the the pilots. So the burden was on the clerk for calls, look and search into the database and again tell the caller regarding all the information.
- A solution to above problem was development of a system which reduces hardship to crew as well as to the clerk. **Interactive Voice Response system** is

such an innovation wherein the students of GHRCE developed an automated systems.

DRM Ashwin Kapoor giving away the certificate of appreciation to the students



Media Coverage



Future Activities

- Computer Awareness Programme.
- CNC & Robotics Training.
- T.V. Repairing and Maintenance Programme.
- Vehicle Repairing and Maintenance Programme.
- Training on STADDPRO.
- Management Capacity Development programme.
- Hardware maintenance training.