Md.Ilyas Md.Amjad Soudagar   10335009

Center for Technology Alternatives for Rural Areas   M.Tech.

Indian Institute of Technology, Bombay   Male

Specialization: Technology and Development   DOB: 14-08-1986

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2011	7.00
Undergraduate Specialization: Instrumentation & Control				
Graduation	Pune University	Dr.D.Y.Patil Institute of Engg. & Technology	2008	68.20
Intermediate/+2	Maharashtra State Board,Pune	Sangameshwar College	2004	68.50
Matriculation	Maharashtra State Board,Pune	Little Flower Convent High School, Solapur	2002	79.20

KEY ACADEMIC WORK

Design and Build a Prototype of 'Grain Vending Machine': An Alternative For Public Distribution System, a Ration Delivery System for Ration Card Holders.

[M.Tech Project]   *Guide Prof. Satish Agnihotri*   *Ongoing Project*

- Based on the analysis of Public Distribution System mechanism of ration delivery, Grain vending Machine was found to be most suitable alternative model for PDS.
- Project involves designing the GVM for increasing the efficiency, transparency and accountability of the current PDS.
- It is based on the principle of ATM's which is designed to facilitate the GoI as well as consumers.

Development Prospects For Pardhyani & Kapdi Village, Uttrakhand

[M.Tech Summer Study]   *Mar'11-July'11*

- Conducted two & half month intensive fieldwork in the village of Pardhyani & Kapdi, Uttarakhand – A simulation of the village system was developed to assess the current scenario and to design and observe impacts of various possible 'Development' interventions.

M.TECH COURSE PROJECTS

- **AHP on Waste Water Treatment Techniques,** Under the guidance of Prof. A.W.Date.
- **Policy Analysis & Advocacy – Public Distribution System of India,** Under the guidance of Prof.Wagle.
- **Milk Quality Evaluation,** Under the guidance of Prof.N.G.Shah.
- **Life Cycle Analysis of Thiodan,** Under the guidance of Prof. B.Rao.
- **Management of Scrap Bicycles In Iit Campus,** Under the guidance of Prof.N.C.Narayanan
- **Re-Restoration of Powai Lake,** Under the guidance of Prof.B.Rao.
- **Analysis of Dahanu Thermal Power Station,** Under the project Course work of Energy Sources & Utilization.

B.E COURSE PROJECTS

Automated Shirodhara Machine [B.E. Project]   *Jun'07-Jun'08*

- Designed a Automatic Shirodhara Machine used for Shirodhara treatment process using microcontroller.

Designed Integrated System to Facilitate Physically Challenged Individual in Operating the Computer
Jun'07-Aug'07

- Developed a Lip-Switch device which can be installed on the chair, facilitating physically challenged individual in operating computer.
- This project was highlighted in E-TV Channel.

B.E. SEMINAR

T-Rays For Instrumentation Under the guidance of HOD Prof.Rane, Instrumentation & Control Dept, Dr.D.Y.Patil Inst. Of Engg. & Tech, Pimpri, Pune-18.

INDUSTRIAL WORK EXPERIENCE/COURSES/WORKSHOPS

Control Engineer in Cybernetic Technologies Pvt. Ltd.,Pune   *Sep'08-Mar'09*
- As a Software Developer, Hardware installer, for the onsite project at TATA-Motors, Pune.
- Completed AB PLC course of forty days duration at Yantra Automation, Pune.
- Course Content: Hardware Designing, Software Development, & Field Exposure.
- Completed Datalogging of "*Axislog*" training in Ecoaxis Pvt. Ltd, Pune.

ACHIEVEMENTS

- Secured **first position** in *"Innovation"* a student's competition of Project presentation, VIT Pune, by making project "**Automatic Fan Speed Controller Based on room temperature**".
- Secured 2nd **Runner up** in Wizomech National Level Technical Mechanical Event held at RSCOE, Pune.
- Secured 2nd **Rank** in "**Network Theory**" & 2nd **Rank** in "**Automatic Control System**" in S.E (2006-07) the Instrumentation & Control Department, Pimpri, Pune-18.
- **Winners** in Inter-House Level Volley Ball Competition (2001-02), LFCHS, Solapur

MEMBERSHIPS

- Member of the **Lions Clubs International Foundation (LCIF)**, which is an International Humanitarian Service Club in 206 countries across the globe.
- Member of the **Technology & Development Students Association (TDSA)**, which is a TD students association & also is a platform for the students in the development sector.

POSITIONS OF RESPONSIBILITIES

- **PROJECT TEAM LEADER** in the project course "**Project Management**", in which we played a role of consultants to prepare a complete project plan report on "**Re-restoration of Powai Lake**".
- **Sports Secretary** representing the CTARA Department in IIT Bombay.

TECHNICAL SKILL/ANALYTICAL/MANAGERIAL SKILL

- **Vensim :** A System-Dynamics simulation software which is used to identify the intervention policies that might plausibly alleviate the social, corporate problems.
- **Analytical Hierarchal Process:** It is a tool which supports the rationalization of the decision making process dealing with conflicting objectives by performing multicriteria based approach.
- **OpenProj:** It is open source project management software used for construction of a project plan.
- **Ladder Logic Programming Language, Flowcode.v4, Logic Circuit, Fritzing, Eagle, TinyCAD, Datalogging using axislog.**
- **Social Science Research Techniques** by adopting Quantitative & Qualitative design approach.
- **HOMER:** It is a powerful tool for designing and analyzing & optimizing hybrid power systems.
- **Assembly language** (8051), MS-DOS, MS-Excel, Windows XP, Linux (Ubuntu)

EXTRA-CURRICULAR

- Volunteered in Techconnect held at TECHFEST 2011, IIT Bombay
- Contributed an article in **SAMVAD newsletter,** by interviewing the PSI Director. Dr.Ravi Chopra.

Hobbies

- Playing Cricket, Video Games and Volleyball, Driving bikes, Trekking.