

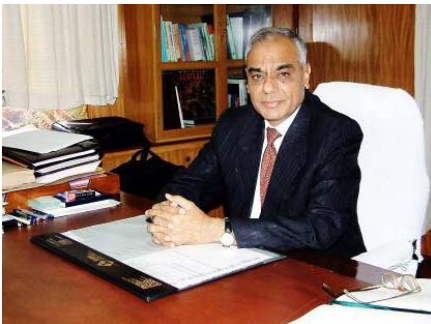
PanIIT Team-for-ITI Newsletter

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***Ravi Sakhuja (IITK '66)
has donated US \$5000
for the program.***



***"Emphasis on
hands-on training"***

- Admiral Bhatia

ITians for ITI – a PanIIT Program

Driving Excellence in Technical Training in India

"ITians for ITI" is a nation building program launched by PanIIT India to improve ITIs (Industrial Training Institutions) and to drive sustainable excellence in India's vocational/technical training. For more information about the program, please visit:

<http://paniit.team-for-iti.org/welcome.html>

To join the Program, please visit:

<http://tinyurl.com/28km4f>

From the desk of Admiral Bhatia

Admiral Bhatia is the program president in India.

My greetings to all the members of our team at the turn of the year. We made good headway since the issue of the last newsletter in October '07.

During these three months activities have commenced in ITIs in Gujarat, UP, Tamilnadu and Delhi. In Maharashtra and W.Bengal activities have picked up momentum. A very close interaction with ITIs in these states has taken place. In some cases adoption by the Industry has also been successfully done. This is a very good start.

Several initiatives stand out. A proposal has been sent to the government to upgrade the training curriculum in welding. In Chennai, a finishing school for ITI students has been proposed. In North India, Educomp has proposed innovative use of technology in training. This newsletter has the details.

Now, we have to start looking at the issues pertaining to revision of syllabi both in terms of theory and hands-on training. Emphasis has to be given on hands-on training, so that raw trainees get exposed to the industrial environment, which is going to be their bread and butter in the future.

The response from Industry has been very encouraging too. Ashank Desai and Pradeep Gupta have advised us to contact CII to get more industrial houses involved, draw a roadmap for this, and take it forward from there.

We are very happy with the encouraging response received from the volunteers. Around 50 volunteers have filled out a participation questionnaire indicating how they wish to contribute. In the coming three months, we have to now formalize an organization structure for the smooth functioning of the Programme. I am sure that with the continued support from fellow ITians we shall make this Programme a great success.

- Rear Admiral (Retd.) R.M. Bhatia
IIT Delhi 67 Batch
Program President (India)

Project Update from ITI Thane

“International Welder” training & certification proposal

Dr. Arun Shah has proposed a Training center for “International Welder” an international certification course in welding.

There is a shortage of welders globally; many of the Indian companies are finding it difficult to get welders and are desperate to hire good welders at very high salaries. Dr A. K. Shah (IIT Roorkee) has proposed to have an international quality welding education center at ITI Thane. It is proposed that ITI Thane will have a Training center for “International Welder” an international certification course in welding. ITI Thane is taking forward this proposal with the Govt. Once this initiative takes off ground same can be replicated at other ITIs.



Coordination Meeting at ITI Thane

Bhalachandra Vishwanath and Dr. Arun Shah, along with a team, have been interacting with ITI Thane since March 2007.

A coordination meeting of IIT alumni in Mumbai interested in the “IITans for ITI” program was held on January 21st at ITI Thane. This event coordinated by Bhalachandra (IIT/B, B.Tech. '84) saw buzz of ideas and action plans. ITI Thane principal, Krishna Shinde extended a warm welcome to Rosemary Fernandes and had words of praise for the PAN IIT team members interacting with Thane ITI and for their dedication and enthusiasm. He briefed members on the ITI set up, working, achievements, issues and areas where PANIIT could help.

“The meeting generated a buzz of ideas and action plans.”

The meeting was attended by IIT alumni : Rosemary Fernandes, Vijay Talele, Dr. A .K. Shah, Bhalachandra, Sudha Chandrasekhar, Mukund Dhaygude. They discussed several pilot projects/ initiatives that will have immediate impact: Welding education proposal for “International Welder” training & certification at the ITI, Nanotechnology initiative of IIT Mumbai, private sponsorship for two IT chairs in the COE in Information Technology, Industry handshake for upgrading equipments especially in the areas of Automobile Engineering and Refrigeration. Detailed tour of ITI facilities for the members was organized by Thane ITI. For details, please visit <http://tinyurl.com/38gg5b>

ITI Tollygunge – a first person narrative

By Shyamal Chatterji, PanIIT Team for ITI - Kolkata.



Shyamal Chatterji (IIT/KGP '68) has helped drive excellence at ITI Tollygunge in Kolkata since April 2007.

I came to know about PANIIT's involvement with ITIs from Mrs Sushma Joshi (ex-IIT,Kgp) early last year. Kolkata, those days, had no unit of 'PanIIT TeamForITI'. I was free from 9am-7pm routine and decided to devote a part of my free time to take the 1st initiative in Kolkata on behalf of PANIIT.

ITI Tollygunge offers a course in Production (CAD/CAM CNC) as the subject under CoE (Center of Excellence) scheme. I established my first contact with this ITI in April, '07. ...Since then I worked with a 'Bottom-up' approach and I believe that I got good results.

Looking back, April, 07 was not a very good time to start a relationship. The academic session was over. Preparations for examinations, examinations themselves and the process of admission kept the ITI Management busy. In the meantime, the Principal resigned and left. The Deputy Director got transferred. However, the relationship between ITI_T and PANIIT have grown and taken a shape because

- a) PANIIT could bring CIMATRON for 2 rounds of training sessions for instructors on Computer aided manufacturing. For details, please visit <http://tinyurl.com/3c8gd7>
- b) PANIIT demonstrated our goodwill by gift of two high-end Desktop computers
- c) PANIIT demonstrated an intention for opening a window of Industry exposure for their Trainers and students.

Unlike 2007, it appears that ITI, Tollygunge is not worried about placements for their students this year. There is a continuous flow of requests for students. They look forward to support from PANIIT (a) in continuing Industry exposure and (b) starting a website. More on this matter in the next publication of this newsletter!

Best wishes.
Shyamal da



PanIIT Pacific Northwest Chapter donated over \$2000 to gift PCs for training on CAM software



ITI Tollygunge students and trainers on an industry visit organized by PanIIT

Program Kickoff in Delhi/National Capital Region

"IITians for ITI" program kickoff meeting for Delhi/NCR was organized on 13th Jan 2008 at IIT Delhi Alumni Association office. The meeting started with a networking session where people interacted with each other to share their thoughts on wide range of issues. A structured presentation by Sudhakar Mishra (IITK/05) helped attendees understand this initiative better. Ideas poured in on how to grow the program exponentially.

Issues like formation of a central co-ordination committee, identification of local leadership, participation of industry, curriculum revision and subject enhancements, potential fee-structure were discussed at length by attendees. Rosemary Fernandes (IITM/77) briefed the members about potential ways to reach out to maximum alumni.

Educomp's Anuj Ahuja (IITD '89) talked about soft-skills enhancement program which would be implemented shortly at select ITIs. On behalf of Educomp, Sharad Agarwal (IITK '86) has invited IITians to join the management teams for ITIs in North India. For the institute management committee of each ITI, they are looking for 4 more members. *To participate, please contact sharad.agarwal@team-for-iti.org or anuj.ahuja@team-for-iti.org.*

For details, please visit <http://tinyurl.com/2srsv7>

Finishing school for ITI students in Chennai

In Chennai, an On the Job Vocational / Technical Training Facility by B S Pyromatic is focused on improving the earning potential of the ITI graduates in the region. This training program will impart specific skills aligned with the demand of the industry eg welding and other manufacturing skills. The following modules are available:

- a. Calibration of Metrology Instruments
- b. Calibration of Digital Instruments and Sensors
- c. Specimen Preparation for Microstructure Analysis
- d. Welding in Arc, Gas, TIG and MIG
- e. Machining, Lathe, Grinding and Milling
- f. Instrument Assembly and Fitting
- g. General Assembly and Fitting
- h. Foundry Practice
- i. PCB Assembling
- j. Air Conditioning and Refrigeration
- k. Mechatronics
- l. Electrical Assembly
- m. Spoken English and Human Interaction

Another stream will impart specific skills to students who service products in rural areas eg mobile handsets, consumer durables etc.

This approach towards improving the ITI delivery should not be seen in isolation. This approach will supplement and complement PANIIT effort at individual ITI. It must be seen as a precursor to involvement at the level of individual ITI. This Pan-ITI effort, to coin a term, can be replicated at other locations across the country.

This project is being coordinated by Radakrishnan Pillai IITK '74 and N.T.Nathan IITM '70. To support this effort, please contact radhakrishnan.pillai@team-for-iti.org

"Ideas poured in how to grow program exponentially"

The meeting was organized by Sudhakar Mishra and supported by IIT Delhi Alumni Association. Special thanks are due to Somnath Bharti and Yogesh Andlay.



*Rosemary Fernandes,
IIT/M B.Tech '77,
and Alumni outreach lead (USA)
for the IITians for ITI program,
was the special guest.*

Developing ITIs for Skills in Shipbuilding

The issue of skills development needs to be viewed from several perspectives, e.g. we could talk about excellence in welding across various industries. Another perspective is to take one industry and examine skills needed within that industry. Piavav Shipyards Limited, <http://www.pipavavshipyards.com>, has taken the second approach that is amenable to cultivation of multi-skilled technicians within the shipbuilding industry. They have adopted two ITIs in Rajula and Mahua in Gujarat near Bhavnagar.

On Jan 18, 2008, two of their senior executives, including Debashis Bir (IIT/KGP alum), visited ITI, Aundh in Pune to study its best practices. They were accompanied by Admiral Bhatia and Ranjan Kumar. Thanks are due to Mr. B.R.Shimple, the visionary principal of ITI, Aundh for making this visit fruitful.



Pipavav Shipyards Limited has adopted two ITIs in **Rajula and Mahua** in Gujarat.

Their senior executives visited **ITI, Aundh, Pune** to study its **best practices**

Mr. B.R. Shimple, the visionary Principal of ITI/Aundh, Pune, has created a model ITI. He has freely shared his experiences with us. It is our goal to help create many such modern ITIs in India in the near future.

Recent developments

- ❖ **Ranjan Kumar** (IITK '86) made a presentation to the '86 batch during its reunion at IIT Kanpur on Jan 13, 2008. Many alumni pledged support to our program in its drive for excellence in technical training in India.
- ❖ Dr. Alok Verma (IITK '78) visited ITIs in Assam and Nagaland in December.
- ❖ Sanjay Ayyangar (IITK '84) has initiated discovery phase at ITI Aliganj in Lucknow. To join this effort, contact sanjay.ayyengar@team-for-iti.org
- ❖ Chandrakant Gajaria (IITK '78) has been working with MSMF in setting up a Vocational school in Kakinada in Andhra Pradesh. Many program team members who hail from Kakinada are interested in participating.
- ❖ **The Program Launch team deeply appreciates the monetary support of USD 5,000/- made by Ravi Sakhuja IITK '66 B.Tech Mech for our program. We also are delighted to see Mr. Sakhuja's interest in getting more closely involved with the program. The application of these funds will be reported on our project website.**
- ❖ In Mahabubnagar (AP) RRV Reddy (IITB '64 M.Tech) has been working for several months, to improve vocational training. To join this effort, contact rrv.reddy@team-for-iti.org
- ❖ Revathi Kasturi, (IITB '81), PanIIT Executive Council member, has initiated the effort to support the development of website for Modular Employable Skills (MES) scheme. In this project, PanIIT team members will review and test the website for both high-level design issues and low-level implementation issues. To join this effort, contact: revathi.kasthuri@team-for-iti.org or gaurav.vaish@team-for-iti.org
- ❖ CII organized an International Conclave on Skills development in New Delhi in December 2007. Krishan Khanna (IIT/KGP '61) chaired a plenary session on global perspectives on skills. Revathi Kasturi attended the conference on behalf of PanIIT. For details of this conclave, please visit: http://www.cii-skillsdevelopment.in/building_india/updates.htm



Sanjay Ayyangar, IIT/K, '84 B.Tech., has initiated work with an ITI in Lucknow

What are ITIs: ITI stands for Industrial Training Institutes. There are more than 5000 of these in India. However, the quality of training at the ITIs is rather uneven. These ITIs produce 700,000 technicians each year. Improving their skill level would be a powerful channel for advancing the technical and manufacturing capabilities of India.

New members and supporters

The program launch team would like to welcome new active members of the program team:

Yogesh Andlay	IIT Delhi	1979
Sanjay Ayyangar	IIT Kanpur	1984
Anuj Ahuja	IIT Delhi	1989
Sharad Agarwal	IIT Kanpur	1986
Sanjay Jadhav	IIT Bombay	1989
Krishna Rao	IIT Kanpur	1978
Ashutosh Amadeshiya	IIT Kanpur	2006
Sudhakar Mishra	IIT Kanpur	2005

The program team has over 140 IITians as members and supporters.

For new members, Program launch team has put together an introduction to the program with progressive levels of details. You can find this information at

<http://paniit.team-for-iti.org/welcome.html>

Rosemary Fernandes joins as Alumni outreach lead in USA

Upon Mr. Ray Mehra's invitation, Ms. Rosemary Fernandes has accepted to lead the Alumni outreach effort. Many of you may know Rosemary from her transformational role as the outreach co-chair for PanIIT 2005. In that role, she built a team of 30+ dedicated coordinators and over 150 volunteers globally, increased the registration by 1,000+ in 6 weeks, exceeding the target set and keeping the team spirit high.

We are fortunate to have Rosemary in this leadership position, and we welcome her on our team. Rosemary is currently visiting India where she has visited IITs and met many program team members. (see page 2 & 4) For more details about the outreach efforts in USA, please visit:

<http://paniit.team-for-iti.org/outreach.html>

Join the effort of IITians at an IIT in your hometown by clicking here:

<http://tinyurl.com/28km4f>

For a cool display of currently active chapters, please click on this map or the url below:



<http://paniit.team-for-iti.org/projectmap.html>

Program Leadership

PanIIT India Alumni Association

Program President	<i>Admiral R.M. Bhatia</i>
Launch coordinators	<i>Ranjan Kumar</i>
	<i>Girish Deshmukh</i>

PanIIT USA Alumni Association

Program President	<i>Ray Mehra</i>
Alumni Outreach lead	Rosemary Fernandes
Launch coordinators	<i>Atul Mathur</i>
	<i>Abhijit Bhattacharyya</i>

Steering committee

<i>Suresh Shenoy</i>	<i>Alok Verma</i>
<i>Hiten Ghosh</i>	<i>Rassoul Dastmozd</i>

Call for action: Sign up as a team coordinator

The governance model of the program envisages a number of teams, each led by one or more team coordinators. The underlying philosophy is to define teams/roles that are mutually exclusive and collectively exhaustive. As a team coordinator, you will embody the program charter and the spirit of the program. In this role, you will define the team charter and execute on it by signing up other members of the team. The Program launch team is looking for coordinators for "" Alumni outreach/publicity" team, "Finance/Fundraising" team, Accounting/Treasurer, and "Program champions/volunteer coordinators" team. For more details about the role of team coordinators, and to volunteer for the team coordinator role, please visit <http://paniit.team-for-iti.org/lead.html>