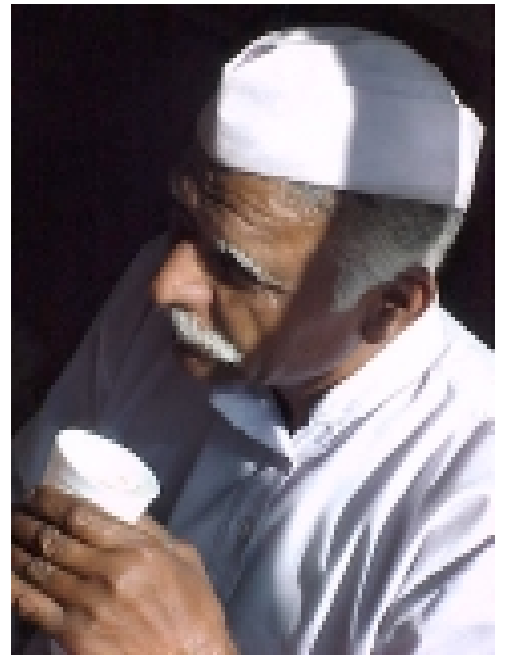


Workshop a report

# Design<sub>THAT</sub>Matters



Supported by **National Innovation Foundation**  
Organised by **Srishti School of Art, Design & Technology, IISc, NTTF**  
16th 17th February 2002 CSIC Auditorium IISc

# People who made this happen

## Supporters



### National Innovation Foundation

Jiban (jiban@nifindia.org)

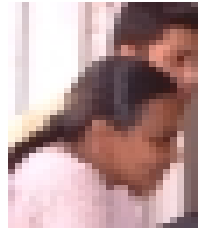
Maulik Shah

Dr T N Prakash (hittalu@bgl.vsnl.net.in)

Vivekanandan (numvali@vsnl.com)

The Karnataka Innovation Network and SEVA shortlisted the innovations that would be presented at this workshop

## Faculty



Dr Pradeep Yammiyavar (pradeep@cedt.iisc.ernet.in)

Prof. Achutha Rao (rao\_achutha@yahoo.com)

John Mathew (pjohnmathew@yahoo.com)

Anuradha Dinesha (dinesha@iitb.ac.in)

Gopal Bengeri (gopal\_bengeri@vsnl.net)

Anand G (artdesign@vsnl.com)

Swati Unakar (swatiunakar@yahoo.com)

Poonam Bir Kasturi (pbkasturi@vsnl.com)



## Designers / Architects

George Mathews (icarusdesign@vsnl.com)

Sunil Sudhakaran (icarusdesign@vsnl.com)

Saleem Ahmed (saleem\_ahmed@eudoramail.com)

Vinay Rao (vinay@bangid.com)

Prashant Subhedar (prashant@bangid.com)

S. Vishwanath (chitraviswanath@vsnl.com)

## Grass Root Innovators

H.A.Prakash  
S.V.Naidu  
G.K.Ratnakar  
R.Jayaseelan  
Karuppaiah  
T. Ponnusamy  
Anna Bhavu Udgavi  
A.I. Nadakattin  
C.P.Sadashivaiah  
Sudarshana  
K.R.Duraiswamy  
T.Anandan  
A.M.Masagi  
Satish Kumar  
S.Vishwanath  
H. Siddagangaiah  
Gopal Bhat Nooji  
Narasimha Bhandari  
G. Deepak Raj Rao

## Well wishers

Prof A Reddy (Chief Guest)  
Prof Anil Gupta  
Prof Vijay Chandru  
Geetha Narayanan

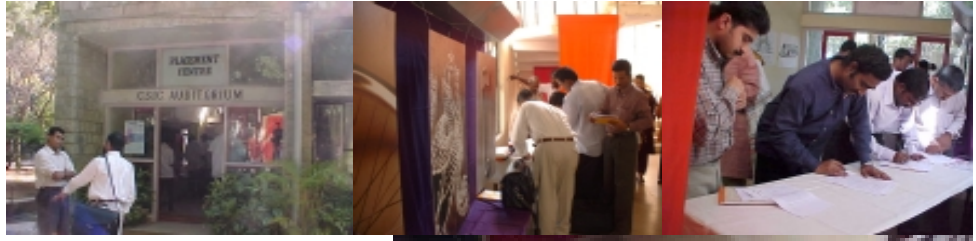


People who made this happen

## Organisers

Three Bangalore Institutions organised the workshop and students from each helped in the event management

# Day1 day1 Day1 day1 Day1 day1



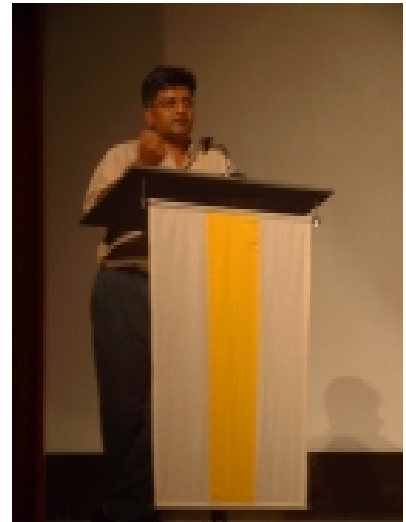
## Registration

Registration started at 9am and in addition to filling out details each participant also signed a Non-Disclosure Agreement to protect the intellectual rights of the grass-root innovators



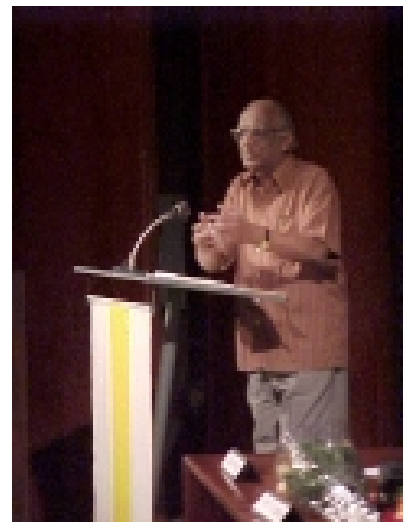
## Introduction

Prof Vijay Chandru introduced the concept and objectives of the workshop to the audience and also invited the Chief Guest to address the gathering



## Chief Guest's Speech

Prof Reddy highlighted the importance of such a workshop and shared with the audience his approach to "traditional science and wisdom". He observed that optimisation of tools in traditional societies had given way because of changes in technology and materials. He urged young students to examine their attitudes with which they viewed "appropriate applications". He also emphasised the need to question the relevance of high technology and the costs of mindless development.





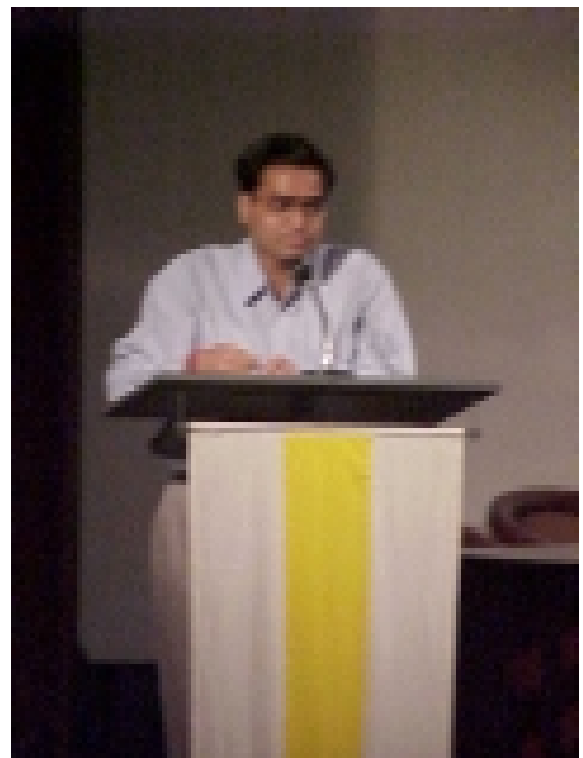
## Lighting the Lamp

After the speech the Chief Guest alongwith some grass-root innovators light the lamp to in the chief guest's words "dispel the darkness" and formally inaugurate the event



## NIF Presentation

Jibanandan Khuntia of the NIF presented the philosophy of the NIF. Students in the audience got to hear of the pioneering work done by Prof Gupta and the NIF in nuturing and developing grass-root innovators and making their work visible and marketable. The other organisations associated with NIF were also discussed - The HoneyBee Network and Sristi.



# Day1 day1 Day1 day1 Day1 day1



## Forming Teams

The next job was forming teams of students, facilitators, innovators and faculty.

The whole group was up on stage negotiating and deciding which team would do what. 7 Teams were finally formed.

1  
Innovation: Iron / Corn Toaster / Bucket  
Innovater: Sudarshan/ Naidu  
Facilitator: John Mathew (Designer - Teacher)  
Students: Arvind P (Srishti)  
Vaibhav (Srishti)  
Chaitanya (Srishti)  
Archana (Srishti)  
Shruti (Srishti)  
Chandru (IISc CPD)

2  
Innovation : Earthquake Predictor  
Innovater: Dr T Anandham  
Facilitator: Saleem Ahmed (Product Designer)  
Students: Kishore Tikale (IISc)  
Ravi K R (NTTF)  
Rajiv Thomas (NTTF)  
Divya (Srishti)  
Amrita (Srishti)  
Smriti C (Srishti)

3  
Innovation: Rainwater Harvesting / Rain Gun /  
Innovater: Vishwanath / Annsaheb / Gopar Bhat Nooji  
Facilitator: George Mathews (Product Designer)  
Students: Sashawati B (Srishti)  
Umang Bhattacharya (Srishti)  
Ekta Manchanda (Srishti)  
N M Sudarshan (NTTF)  
Karthikeyan (NTTF)  
Amol Talekar (IISc)  
Jayant Karve (IISc)  
Kiran Kulkarni (IISc)  
Shree Kumar (IISc)  
Sastry (IISc)

4  
Innovation: Electric Switch  
Innovater: T Ponnusamy  
Facilitator: Sunil Sudhakaran (Product Designer)  
Students: Adel (Srishti)  
Anjitha (NTTF)  
Siraj (IISc)  
Rajesh Kulkarni (NID Cell Bangalore)  
Shivshankar (Srishti)

Innovation: Solar Distil Water Harvester  
 Air Energising Pressure Cooker  
 Energy efficient oven to save firewood  
 Innovater: K R Thurussgeas / Annsahe/ G Deepak Raj Rao / H A Praksh  
 Facilitator: Aunradha (Architect – Designer - Teacher)  
 Students: K T Thomas (Srishti)  
 Gaurabh (Srishti)  
 Krishna Kumar (NTTF)  
 Harish (NTTF)  
 Maruthi (IISc)  
 Rajesh (IISc)  
 Christy (IISc)

5

Innovation: Tractor-Thresher / Harvester  
 Innovater: Karuppaiah, Sasashiviah  
 Faciltator: Vinay Rao (Product Designer)  
 Students: Chandru (NTTF)  
 Puttaraj (NTTF)  
 Vishal (IISc)  
 Santhosh (IISc)  
 Arun (Srishti)  
 Rajesh (Srishti)  
 Thamilinian (Ag)  
 Venkatesh MSc (Ag)  
 Prathima BSc (Ag)

6

Innovation: Coconut / Arecanut De Husker / Tamrind Seed  
 Innovater: Jayaseelan / Narashima Bhandari/ Govind Prasad  
 Facilitator: Achuta Rao(Designer - Teacher) Prashant (Designer - Teacher)  
 Students: Thomas Abraham (Srishti)  
 Shreya (Srishti)  
 Nived (NTTF)  
 Kiran K T (NTTF)  
 Prakala (NTTF)  
 Aarvind (NTTF)  
 Pramod (IISc)  
 Unmesh (IISc)  
 Jeypal (RIN Staff)  
 Balasubramiam (SEVA Staff)

7



## Ice Breaker

To get the groups started and also to break the communication barriers - all groups started with a game that highlighted the need for team work - the tower game

# Day2day2Day2day2

## Film

IDEO the international design firm has documented its strategy to innovation in a film called the "Deep Dive". This film was screened for the audience to start the day on a note of inspiration

## Teams Working

All teams then worked at brainstorming, concept generation and understanding the innovation from the innovator comprehensively







There was much discussion, drawing, heated arguments and energy. One of the innovations was technically complex and warranted an expert opinion. That group was able to call in a specialist in the field to guide the innovator how best he could take the idea further.

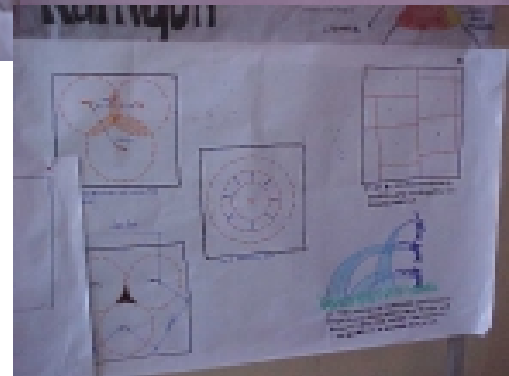
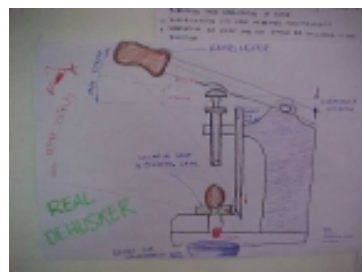
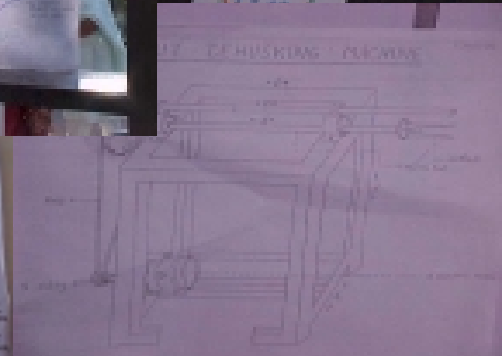
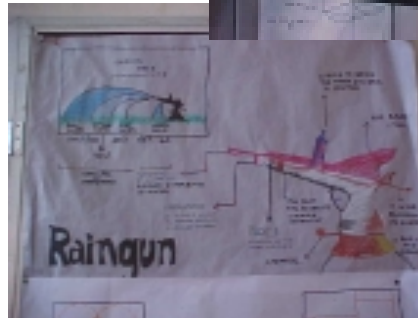
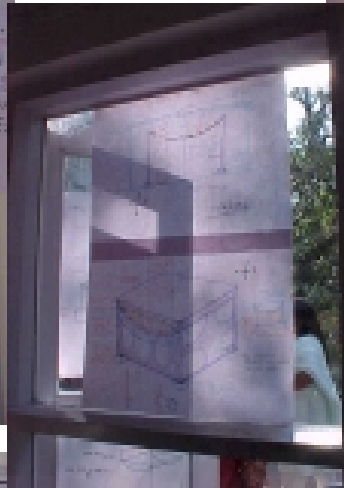
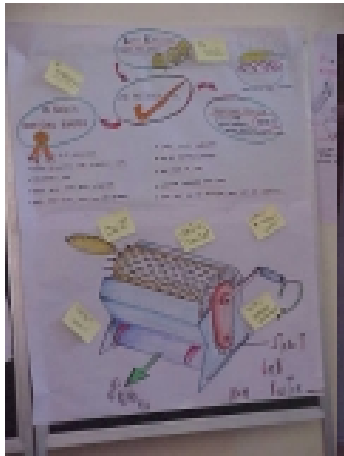
## NIF Presentation

NIF then made a presentation of some products that had actually gone through the process of design intervention. It was interesting to see design intervention adding a lot of value to the innovators idea and transforming it into a marketable solution

# Day2day2Day2Day2day2

## Teams Presentation

Each group presented the work done on new concepts or improvements on the innovation to make it more market worthy.



## Wrap up

Vijay Chandru thanked all the participants and looked forward to the course "Design that Matters" taking off from the work done at the workshop

## An Architects Feedback

Poonam ,

Here is a small feedback

1. The initiative is terrific and being the first of its kind has many learnings which need to be internalised quickly for further development.
2. Coordination between the 3 institutional group of students has to be worked upon to develop a better understanding of perspectives of approach.
3. Language is a significant barrier between innovators and group understanding of the innovators approach to innovation. In our group much time was spent on this understanding before an attempt at a design solution could begin.
4. Solution presentation needs to be much tighter and evaluated more critically . Lessons learnt and emphasis required for a structured approach to design should be presented and discussed with the groups for real learning.
5. What did the innovators get out of the process? Some 10 points which we need to look at and this is from my point of view. +ve critique only.

regards

vishwanath

## Press reports



## Innovator Feedback

The innovators felt it was an interesting, learning experience to interact with students and designers. They felt that language was a barrier. They also hoped that more work would happen post this workshop. They were keen to see their innovation refined by both design and engineering inputs.

SomeFeedback

# 1



Innovation: Iron / Corn Toaster / Bucket  
Innovater: Sudarshan/ Naidu  
Facilitator: John Mathew (Designer - Teacher)  
Students: Arvind P (Srishti)  
Vaibhav (Srishti)  
Chaitanya (Srishti)  
Archana (Srishti)  
Shruti (Srishti)  
Chandru (IISc CPD)

# 2



Innovation : Earthquake Predictor  
Innovator: Dr T Anandham  
Facilitator: Saleem Ahmed (Product Designer)  
Students: Kishore Tikale (IISc)  
Ravi K R (NTTF)  
Rajiv Thomas (NTTF)  
Divya (Srishti)  
Amrita (Srishti)  
Smriti C (Srishti)

# 3



Innovation: Rainwater Harvesting / Rain Gun /  
Innovater: Vishwanath / Annsaheb / Gopar Bhat Nooji  
Facilitator: George Mathews (Product Designer)  
Students: Sashawati B (Srishti)  
Umang Bhattacharya (Srishti)  
Ekta Manchanda (Srishti)  
N M Sudarshan (NTTF)  
Karthikeyan (NTTF)  
Amol Talekar (IISc)  
Jayant Karve (IISc)  
Kiran Kulkarni (IISc)  
Shree Kumar (IISc)  
Sastry (IISc)

# 4



Innovation: Electric Switch  
Innovater: T Ponnusamy  
Facilitator: Sunil Sudhakaran (Product Designer)  
Students: Adel (Srishti)  
Anjitha (NTTF)  
Siraj (IISc)  
Rajesh Kulkarni (NID Cell Bangalore)  
Shivshankar (Srishti)

# 5



Innovation: Solar Distil Water Harvester  
Air Energising Pressure Cooker  
Energy efficient oven to save firewood

Innovater: K R Thurussgeas / Annsahe/ G Deepak Raj Rao / H A Praksh

Facilitator: Aunradha (Architect – Designer - Teacher)

Students: K T Thomas (Srishti)  
Gaurabh (Srishti)  
Krishna Kumar (NTTF)  
Harish (NTTF)  
Maruthi (IISc)  
Rajesh (IISc)  
Christy (IISc)



# 6



Innovation: Tractor-Thresher / Harvester  
Innovater: Karuppaiah, Sasashiviah  
Faciltator: Vinay Rao (Product Designer)  
Students: Chandru (NTTF)  
Puttaraj (NTTF)  
Vishal (IISc)  
Santhosh (IISc)  
Arun (Srishti)  
Rajesh (Srishti)  
Thamilinian (Ag)  
Venkatesh MSc (Ag)  
Prathima BSc (Ag)

# 7



Innovation: Coconut / Arecanut De Husker / Tamrind Seed  
Innovater: Jayaseelan / Narashima Bhandari/ Govind Prasad  
Facilitator: Achuta Rao(Designer - Teacher) Prashant (Designer - Teacher)  
Students: Thomas Abraham (Srishti)  
Shreya (Srishti)  
Nived (NTTF)  
Kiran K T (NTTF)  
Prakala (NTTF)  
Aarvind (NTTF)  
Pramod (IISc)  
Unmesh (IISc)  
Jeypal (RIN Staff)  
Balasubramiam (SEVA Staff)