



INNOVATION & ENTREPRENEURSHIP DEVELOPMENT CENTRE

Funded by,

Department of Science and Technology, New Delhi

Annual Report

Year 2011-12



Bharatiya Vidya Bhavan's

SARDAR PATEL INSTITUTE OF TECHNOLOGY
Bhavans College Campus, Munshi Nagar, Andheri(W) Mumbai 400058



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1 Faculty Training

IEDC faculty Prof. Dr. D. R. Kalbande attended course organized by NEN at S.P.I.T. Mumbai. The details of courses are as follows.

1.1 NEN Campus Development Course On Kick Starting the Entrepreneurial Campus.

Organised by NEN at Sardar Patel Institute of Technology, Mumbai

Course was conducted by Prof. Vasanti and Prof. Radhika from NEN

Participants- Dr. D. R. Kalbande

Date- July 28-30, 2011

2 . Seminar /Workshop

2.1. Seminar on Patent Registration

The seminar was conducted by Mr. Rajieev Surana for students and faculty of SPIT in August 2011. Mr. Rajieev Surana is the founder and director of SCInnovation Pvt Ltd.

Date- 16/08/2011

No of Participants = 80+ students and faculty of SPIT

Duration : 2 hours

The aim of the seminar was to discuss about Patents, Copyright and also to give knowledge about the patent registration process.

2.2. Workshop on Idea Generation

The Idea Generation Workshop was conducted by K.T.Talele, Radha S. and Sukanya Kulkarni.

Date- 30/09/2011

No. of Participants - 40 in 2 sessions

Duration- 2 hours per session

The interactive workshop focused on Idea generation by brain storming and group consensus techniques. The groups were formed and asked to elaborate ideas and were evaluated on the ideas proposed by students.



2.3 Seminar on “Business Analysis” taking the case study of Gamiana Pvt. Ltd.

The Business Analysis seminar was taken by Mr. Apurva Sharma, , Assisant Vice President of Indian Angel Network.

Date: 20/01/2012

No. of Participants: 25

Duration: 3 Hours

This interactive seminar was focused on giving a case study of a online gaming firm. The business plan, Company structure, Revenue model of company and many other aspects of an online gaming business and business in general were discussed.

2.4 Seminar on Sources of Funding

The seminar about sources of funding was conducted by Mr. Apurva Sharma, Assisant Vice President of Indian Angel Network.

Date: 30/01/2012

No. of Participants: 25

Duration: 3 Hours

This seminar was conducted to introduce the students about various sources of finance for a new business like Venture capitalists, angel investors and how each source is different from the other. Also the procedure for applying and approaching a investor.

2.5 Workshop on Opportunity Evaluation

The Opportunity Evaluation Workshop was conducted by K. T. Talele and Sukanya Kulkarni for DST funded and SPIT Sponsored IEDC project groups

Date: 31/01/2012

No. of Participants - 30

Duration- 2 hours

The interactive workshop focused on opportunity evaluation and close to heart exercise followed by question and answer session.



2.6 Workshop on Business Plan

The workshop was conducted at SPIT college for DST funded and SPIT Sponsored IEDC project students by Mr Nitin Mukadam, Mentor for entrepreneurs and visiting faculty at S.P. Jain Institute of Management and Research

Module 1: Business Startup

Date: 01/02/2012 Duration: 3 Hours

No of Participants: 20

Module 2: Business Case, Model and Plan

Date: 02/02/2012 Duration: 3 Hours

No of Participants: 20

2.7 Workshop on Company Registration

The workshop was conducted at SPIT College for DST funded and SPIT sponsored IEDC project students by Mr. Sanjay Dholakia , Independent Company Secretary

Date: 17/02/2012

No. of Participants: 25

Duration: 2 Hours

The complete process for company registration along with online form filling process and the need of digital signature and procedure for applying were the highlights of the workshop. Also sample forms were distributed viz.

Form DIN Director Identification Number

Form 1A Application for availability of company name

Form 1 Application and declaration of incorporation of a company

Form 18 Registration of company/office address

Form 32 Particulars of board of directors of a company

2.8 ISBA Conference and Exhibition

ISBA (Indian STEP and Business Association) an annual conference for National and International Entrepreneurs at Pune.

Date: 18/02/2012

No of Participants: 13

Duration: 2 days

Participated in product exhibition and interaction with other participants. Interacted with Entrepreneurs. Mentors and Infrastructure providers.



2.9 Participation in Lock, Stock and Trade

LST is a mock IPO game where real entrepreneurs work with aspiring student entrepreneurs to prepare their business growth plans. It was conducted at S P Jain institute of management in collaboration with NEN. A jury of seasoned entrepreneurs and venture capitalists evaluated 15 business ventures that made it to the finals. All 15 teams then released their IPOs and based on that prizes were given out

Date: 21/01/2012

No. of Participants: 50-60 from SPIT

Duration: 1 day

2.10 Impetus by eCell

E-cell organized “Impetus” in collaboration with NEN, its flagship ideation and business plan development workshop.

Date: 11/02/2012

No. of Participants: 33

Duration: 2 days

The two day workshop also marked the beginning of the E-week 2012 was conducted by Mr. Raj Bhatt, a chief faculty mentor from NEN, Prof Haseena, Mr. Rahul Soni, Dr. T. Prasad, Mr. Ganga, Prof. Sapna Mallya and Mr. Mandar Gupte.

2.11 Trip to Bombay Stock Exchange by eCell

E-cell organized a trip to Bombay Stock Exchange. The purpose of the event was to provide the students an insight into the operation of one of Asia's biggest exchanges.

Date: 14/02/2012

No of Participants: 80

Duration: 1 day

The participants were taken to the convention hall for an enlightening lecture by Mr. Patel. This convention hall possesses a rich history as this was the very hall where the ‘open-outcry system’ was carried out. Mr. Patel delivered an enlightening lecture on the basics of trading. The students were made familiar with various technical jargons and were given an elaborate lecture on safety of investments and security organizations like ‘SEBI’.



2.12 Project Group and Idea Selection for 2012-13

In phase one, IEDC project group selection procedure was announced in January 2012. Selection of the group was based on their participation in eCell activities. Thirty three proposals were received from third year students of Computer, IT, Electronics and EXTC Engineering and second year students of MCA.

Selection Committee Members include, K T. Talele, Radha Shankarmani, Sukanya Kulkarni from S.P.I.T and Uday Wakhanwala from N.E.N.

In second Phase, we invited the project ideas only from the selected project groups from phase 1. Total 69 project ideas were received.

Two independent entrepreneurs from the Mumbai City were invited for the selection of projects.

Selection Committee Members:

1. **Mr Saillesh Jadhav** is a Director of Chips and Bytes Solution (India) Private Limited, Mumbai 400 004, India.
2. **Mr. Loynmoon** is a Founder and Director of SIGNET Instruments Pvt Ltd. Sion, Mumbai

All 69+ projects were presented by selected groups. Based on Concept, Technical Feasibility, Operational Feasibility, Financial Feasibility and Social Responsibility 10 best projects were recommended by the selection committee.

Recommended project groups will present their project ideas before IEDC advisory board committee on April 10, 2012. IEDC advisory board will select 5 best projects and recommend them to DST for sanction of grants.



Projects shortlisted for Presentation before Advisory Board of IEDC scheduled on April 10, 2012.

Sr. No.	Title of the Project	Project Group
1	Smart Grid	Amev Ghadigaonkar
		Ashwin Agarwal
		Karan Pradhan
2	Smart Micro Grid Interfacing	Rohan Isawe
		Mukta Darekar
		Tejas Shah
3	Agri-Tech – A tech guide to agriculture	Anuj Sakhardande
		Milan Modi
		Devavrata Balvally
4	'Hot to Cold' Energy Saving	Harshraj Narsale
		Pratik Parab
		Vijay Mulik
5	Emergency Help and Tracking Device	Aparna Ramaswamy
		Ankita Ghurye
		Jagruti Kamat
6	Alcohol Level Detector	Avanish Balaji
		Banafsha Shaikh
		Dhanashree Mane
7	Cloud Security	Deepali Patil
		Dhairya Vora
		Roshni Devadiga
8	E- Informer	Viral Patel
		Bhavik Shah
		Pratik Naik
9	Intellisense	Nilesh Dungarwal
		Nisarg Shah
		Rishabh Jhunjhunwala
10	Ground Zero Viewer	Mandar Salkar
		Varun Sahasrabudhe
		Avinash Sharma



2.13 Advisory board meeting

Second meeting of the IEDC Advisory board was held at S.P.I.T. On 10th April 2012 , at 10 am in the conference room.

Following members attended the meeting

1. Dr. Prachi Gharpure – Principal S.P.I.T., IEDC Board Member
 2. Mr. Sujeet Banerjee-Director, DST, Govt. of India, New Delhi
 3. Mrs. Sunita Singh – Director NEN, IEDC Board Member
 4. Mr. Zia Saquib – Executive Director – CDAC, IEDC Board Member
 5. Mr. Raj Bhat – Chief Mentor, N.E.N. Mumbai
 6. Mr. SAILLISH D Jadhav - Entrepreneur, Chips & Bytes Pvt Ltd. Mumbai
 7. Prof. Dr. Y. S. Rao – Vice Principal, S.P.I.T, Mumbai
 8. Prof. Radha Shankarmani – Assistant Prof. -S.P.I.T., IEDC Board Member
 9. Prof. Sukanya Kulkarni - Assistant Prof. -S.P.I.T. IEDC Board Member
 10. Prof. K.T. Talele – Coordinator IEDC-S.P.I.T. IEDC Board Member
- DST funded Students Projects 2011-12 Presentation by Students Group
Five completed project group presented their product live demo and briefed the committee about their business model.

The advisory board appreciated the products and suggested to register for IPR and wished them luck for their venture and approach Angel Investors for further expansion. During the course of presentation the advisory board gave valuable suggestion to check IPR and include external domain experts.

Principal SPIT proposed to provide space for start up.

- Proposed Students Projects 2012-13 Presentation by Students Group
Ten project group presented their project ideas and was graded by the advisory board. The grading was based on Concept, Operational feasibility, Financial feasibility, Market value and Social Responsibility. Five best projects as given below were recommended for DST funding for year 2012-13.
 1. Hot to Cold Energy Saving
 2. Emergency Help and Tracking Device
 3. eInformer
 4. Alcohol Level Detector
 5. Intellisense

The advisory board appreciated the remaining project ideas and Principal S.P.I.T. promised to support financially.



3. Students Project 2011-12

There were many innovative ideas proposed at the start of the year and out of those the five most deserving and practically implementable projects were chosen under IEDC.

The IEDC project consisted of the following steps:

Stage 1: Development of the project (Hardware/Software)

The projects started with thorough literature review about the selected topics. After deliberation of the project requirements, the projects were developed under the guidance of individual mentors.

Stage 2: Business Plan Report

This included finding information related not only to the technical aspects of the projects but also about the resources required, the feasibility, expenditure to be incurred and a thorough market survey. The feasibility of the company in different aspects was summarized in the form of a business plan. They then went ahead to form their companies and completed the formalities for the same. These activities were carried out under the guidance of an internal and external mentor.

Stage 3: Company Formation

Each group formed its virtual startup company and developed a brochure for highlighting their product.

The virtual startups are as follows:

1. TekWings Pvt Ltd.
2. Polyglottal India
3. Panacea Meditech
4. Energy Makers Pvt. Ltd.
5. JNT Solutions Pvt. Ltd .

All the students involved with the IEDC projects were put through intense training at each stage of the project and were mentored to achieve their goal. Along the way they were also imparted with the knowledge of how a company is formed and its functions.



Entrepreneurs Virtual Startup 2011 Funded by DST

11.

Sr No	Entrepreneurs Virtual Startup	Funding Agency and Amount	Product/ Service	Directors
1	TekWings Pvt Ltd.	Department of Science & Tech. Govt. of India New Delhi Rs.100,00/--	Product: Kissan Buddy	Ketan Hande Shyamsunder Verma Jaypal Baviskar Prof. K. K. Devadkar
2	Polyglottal India	Department of Science & Tech. Govt. of India New Delhi Rs.100,00/--	Product: Simply Talk	Rahul Gosavi Sujay Khole Ashish Khenat Prof. K. T. Talele
3	Panacea Meditech	Department of Science & Tech. Govt. of India New Delhi Rs.100,00/--	Product : Doctor at Home	Bhavin Kamdar Dhaval Shah Shahid Sorathia Dr. Y. S. Rao
4	Energy Makers Pvt. Ltd.	Department of Science & Tech. Govt. of India New Delhi Rs.100,00/--	Product: Jaivshakti	Amol Munje Anil Rathod Sakib Khan Prof. P. V. Kasambe
5	JNT Solutions Pvt. Ltd	Department of Science & Tech. Govt. of India New Delhi Rs.100,00/--	Product: AES	Naitik Gala Jimish Shah Tejas Shah Prof. Radha S.

12.



3.1 Project : GSM Controlled Watering Devices.

Virtual Startup: TekWings Pvt Ltd.

Innovation & Entrepreneurship Development Centre
Sardar Patel Institute Of Technology. Andheri(West)
Mumbai-400058



Conquering the horizon

www.tekwings.com

Ketan Hande	(Director)
Shyamsunder verma	(Director)
Jaypal Baviskar	(Director)
Prof. K. K. Devadkar	(Joint Director)

Product: **Kissan Buddy**

(Breaking the code of GSM technology)



TekWings Pvt. Ltd., a virtual startup was established in the year 2011 by the promoters Ketan Hande, Shyamsunder Verma and Jaypal Baviskar at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri(West), Mumbai.

Our product is regarding irrigation system in farming, termed as “**GSM controlled Watering Devices.**” which helps the farmer in rural villages to carry on his task at ease. The framework of the project is based on the needs of the farmer. In this process a cell phone will be used by the farmer which enables him to control the irrigation system i.e. watering or fertilizing of the crops from any remote place. The availability of power supply and electricity will be updated on his mobile from the mobile controller device which is installed in the field. If the farmer selects an appropriate option of ‘watering the crops’ then the device will simply start the programmed operation of water supply according to the sensor’s condition into the field. The Moto of the company is to provide an enhanced technical solution which is used to save natural resources like water, electricity etc.

This project was fully funded by Department of Science and Technology, Government of India, New Delhi.



Bharatiya Vidya Bhavan's
Sardar Patel Institute of Technology Andheri(w) Mumbai
Innovation and Entrepreneurship Development Centre, S.P.I.T. Andheri(W)
Funded by Department of Science & Technology New Delhi

3.2 Project: Electronic Language Interpreter

Virtual Startup: Polyglottal India

Innovation & Entrepreneurship Development Centre
Sardar Patel Institute Of Technology. Andheri(West)
Mumbai-400058



www.polyglottalindia.co.in

Rahul Gosavi (Director)
Sujay Khole (Director)
Ashish Khenat (Director)
Prof. K. T. Talele (Joint Director)



Product: **Simply Talk**

Polyglottal India, a virtual startup was established in the year 2011 by the promoters Rahul Gosavi, Sujay Khole, Ashish Khenat at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri(West), Mumbai.

Our product, the electronic language interpreter, provides instant translation of Indian languages. It is a portable device where in the user can speak and get the translation in desired language instantly. It is very convenient to carry and solves the problem encountered by user in understanding different languages.

Polyglottal India provides an efficient solution to the complex issues involved with localization of languages by giving instant translation for languages.

This project was fully funded by Department of Science and Technology, Government of India, New Delhi.



3.3 Project: Portable Smart Patient Monitoring System

Virtual Startup: Panacea Meditech

Innovation & Entrepreneurship Development Centre
Sardar Patel Institute Of Technology. Andheri(West)
Mumbai-400058



www.embeddedlab20.com

Bhavin Kamdar (Director)
Dhaval Shah (Director)
Shahid Sorathia (Director)
Dr. Y. S. Rao (Joint Director)



Product : **Doctor at Home**

Panacea Meditech, a virtual startup was established in the year 2011 by the promoters Bhavin Kamdar, Dhaval Shah and Shahid Sorathia at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri(West), Mumbai.

The premier product of the company is the 'Portable Smart Patient Monitoring System'. It is essentially like a "doctor at your home". It provides a customized healthcare solution at low cost. It can measure temperature and ECG currently. The USP of the product is that instead of giving output in terms of complex waveforms, it analyses the medical data and gives output in terms that can be understood by everyone. It also features a SD card interface for data logging. It has a Bluetooth interface so the data can be transferred over to a mobile phone or other Bluetooth enabled devices. Hence it can provide remote healthcare monitoring and solutions also.

The unique selling point of the company is its exposure to cutting edge technology which can be implemented to increase the efficiency of the system.

This project was fully funded by Department of Science and Technology, Government of India, New Delhi.



3.4 Project: Embedded Process Control To Maximize Quantity And Quality of Biogas

Virtual Startup: Energy Makers Pvt. Ltd.

Innovation & Entrepreneurship Development Centre
Sardar Patel Institute of Technology. Andheri(West)
Mumbai-400058



www.energymakers.com

Amol Munje (Director)
Anil Rathod (Director)
Sakib Khan (Director)
Prof. P. V. Kasambe (Joint Director)



Product : **Jaiv Shakti**

Energy Makers Pvt. Ltd. , a virtual startup was established in the year 2011 by the promoters Amol Munje, Anil Rathod, Sakib Khan B.E. ETRX at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute of Technology, Andheri(West).

Energy Makers Pvt. Ltd. has developed a unique product 'JAIV-SHAKTI' in 2011. It is used to generate biogas from any bio-degradable waste on high percentage of methane in short time as compared to the conventional one. This generated gas can be used for various applications i.e. from cooking to generation of electricity.

This system is suitable for all environmental condition and will work with high efficiency. It is highly cost efficient as compared to existing one also the maintenance cost is very less. It is suited to fulfill the requirements of **cost effective, easy maintenance and renewable energies.**

This project was fully funded by Department of Science and Technology, Government of India.



3.5 Project: Automated Emergency Service for Car Accident

Virtual Startup : JNT Solutions Pvt. Ltd .

Innovation & Entrepreneurship Development Centre
Sardar Patel Institute Of Technology. Andheri (West)
Mumbai-400058



intsolutions.webs.com

Naitik Gala (Director)
Jimish Shah (Director)
Tejas Shah (Director)
Prof. Radha S. (Joint Director)



Product: AES

JNT Solutions Pvt. Ltd. , a virtual startup was established in the year 2011 by the promoters Naitik Gala, Jimish Shah and Tejas Shah, I.T. Engineering at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri(West).

JNT Solutions Pvt. Ltd. has developed a unique product '**Automated Emergency Service for Car Accident**' in 2011. It essentially is an accessory to be fitted in the automobile. Accessory contains Pressure Sensor that detects the crash. If the pressure value is above the threshold value then microcontroller will initiate and establish connection with mobile device and application in mobile will send message (Accident has occurred at this place) to the emergency service centre automatically.

System is completely automated, maintenance free and cost effective. This product can be easily installed in any car. The biggest advantage is it can be a Life Saver.

This project was fully funded by Department of Science and Technology, Government of India, New Delhi.