

# Idea to Implementation

*organised by*

**Innovation Cell & Entrepreneurship Development Cell (PRAYAS)**

of

**Camellia Institute of Technology**

*in association with*

**Wadhawani Foundation**

**NASSCOM 10,000 STARTUPS**

**EKTA Technology Business Incubation Center**

**IIM Calcutta Entrepreneurship Cell**





***“Work is Worship”***

*-Swami Vivekananda*



***“Dream is not that which you  
see while sleeping it is  
something that does not let  
you sleep.”***

*-Dr. A. P. J. Abdul Kalam*

# Preamble

Today, when, the abilities of Fresh Engineers are before question, the Innovation Cell and Entrepreneurship Develop Cell (PRAYAS) of Camellia Institute of Technology has arranged a program where, the motto is to create such engineers, who will be skilled; whose ideas will be implementable and the products will create market. The name of the program is "Idea to Implementation", where all our B.Tech Final Year Projects have participated and were evaluated on the basis of Technological and Implementation/Business aspects. This program was organised in association with, Wadhvani Foundation (NEN), EKTA Technology Business Incubation Center, NASSCOM 10000 Startup and IIM Calcutta Entrepreneurship Cell. The prime objectives of this program:

1. To promote, encourage & sensitize students about the importance of project work to become a successful engineer.
2. To help students to take their idea from lab to land.
3. To help students about professional way of report making.
4. To help students to create a business plan.
5. To encourage students for inter-disciplinary projects.

The ball started rolling since last 15th May. Department-wise evaluation in presence of External Experts were done first. Three projects, from each department were selected by the external experts. The Selected Groups pitched before a Panel of Industry Experts. The Judges Panel selected three projects. EKTA showed interest to arrange for IPR for them. IIMC has also shown interest to incubate them.



**Message from Prof. Saikat Maitra Vice Chancellor,  
MAKAUT**

*"It is my pleasure to know that, Camellia Institute of Technology has organized a programme "Idea to Implementation" in association with Wadhvani Foundation(NEN), EKTA Technology Business Incubation Center, NASSCOM 10000 STARTUP and IIMC Entrepreneurship Cell on May 22, 2017.*

*I believe that this programme will really rejuvenate the students to think out of the box and inculcate the culture of being entrepreneur. I strongly recommend the promotion of inter-disciplinary ideas for the better success.*

*I wish the organizer as well as participants a great success."*

## Electrical Engineering Department

This department is headed by Prof. (Dr.) Chandra Mohan Khan. The Departmental Evaluation of Projects have been done on May, 15, 2017. The external expert was Dr. Shyamal Kumar Ghosh. Dr. Ghosh was HOD and Professor, Department of Electrical Engineering, Jadavpur University. He is associated with Research Committee of different Universities. The Selected Projects are:

SL No.	Project Name	STUDENT LEADER NAME	NAME OF THE GUIDE
1	Discrete wavelet Transform based colon polyp detection using synthesize similarity measure.	Sneha Bhattacharya	Prof. Mainak Biswas
2.	Hydroxytor	Arijit Dawn	Prof. Debasis Maji
3.	Mobile Controlled Car	Avinaba De	Prof. Saswata Sundar Laga





**Message from Mr. N.R. Datta**  
**Chairman & Managing Director, Camellia Group**

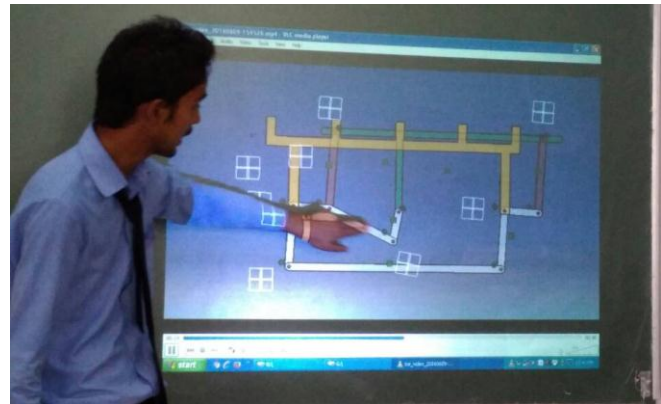
*“It is a matter of great pleasure that our engineering colleges (BITM, CIT, CSET, CITM & CIET) are running successfully due to the effort of our Group. All the institutions have rendered a great service in connection with the fulfillment of the demands of students in the field of Technology and Management.*

*I have noticed with pleasure an accelerated progress of the institutions, which is due primarily to the quality of training imparted by the faculty members and interaction with corporate houses. In addition, I thank WBUT and AICTE for approving all our Degree and Post Graduate Courses and also express gratitude to the District Authority, West Bengal Government Education Department, University of Technology and the distinguished persons and faculty members for rendering all help to maintain the noble heights that our institute has attained.”*

# Mechanical Engineering Department

This department is headed by Prof. Sushankar Mondakl. The Departmental Evaluation of Projects have been done on May, 15, 2017. The external expert was Prof. S. C. Bera. Prof. Bera was HOD and Professor, Department of Mechanical Engineering, Narula Insdtitute of Technology. The Selected Projects are:

SL No.	Project Name	STUDENT LEADER NAME	NAME OF THE GUIDE
1	Design and Fabrication of Beltless Conveyor System	Tanay Sarkar	Dr.Rakesh Kumar
2.	Natural Air Conditioning of Compressive Fluid Flow (air) through a converging cross-sectional area	Somesh Mukherjee	Prof. Prabir Biswas
3.	Solar Power Hacksaw	Aditya Roy	Prof. Prabir Biswas





**Message from Mr. *Sporshomoni Chatterjee*  
Chairman, Governing Body, Camellia Group**

*“To maintain prolonged development of global technical education, many qualities are required. An international engineer should not only be academically brilliant, but also technically sound, ethically conscious and functionally efficient. He should also have aptitude in matters of production and culturally enriched and internationally competitive.*

*Camellia Institute have successfully adopted this concept right from management up to the stake holder for the sake of international mobility. In circumstances, I have no doubt that national and international community will be attracted.*

*I convey my best wishes to all concerned in the institute.”*



## **Civil Engineering Department**

This department is headed by Prof. Arup Marik. The Departmental Evaluation of Projects have been done on May, 17, 2017. The external expert was Mr. Mrinmoy Chatterjee. Mr. Chatterjee was the Chief Engineer, HIT. The Selected Projects are:

<b>SL No.</b>	<b>Project Name</b>	<b>STUDENT LEADER NAME</b>	<b>NAME OF THE GUIDE</b>
1	Soil Stabilization by adding lime & RHA	Sramana Ghosh	Prof. Kankana Maji
2.	Subgrade soil Enhancement by adding Plastic strip and coconut oil	Mrinmoy Saha	Prof. Rituparna Das





**Message from Mr. Nirupam Chaudhuri, Regional Head  
- East, NASSCOM**

*"I am greatly enthused with such initiatives to fuel innovation among young minds. I applaud Camellia group for regularly arranging such activities and am sure it will be highly beneficial for the ecosystem."*

## Electronics & Communication Engineering Department

This department is headed by Prof. Uttam Kumar Dey. The Departmental Evaluation of Projects have been done on May, 18, 2017. The external expert was Prof. Kalyan Biswas. Prof. Biswas is an Asst. Professor of ECE Department of MCKV Institute of Engineering. The Selected Projects are:

SL No.	Project Name	STUDENT LEADER NAME	NAME OF THE GUIDE
1	MOBILE CONTROLLED HOME APPLIANCES WITHOUT MICROCONTROLLER	Senjuti Roy	Prof. Uttam Kumar Dey
2	A WARNING SYSTEM TO ALERT HUMANS FROM ELEPHANTS NEAR BUFFER ZONES	Bhaskar Sarkar	Prof. (Dr.) Sanghamitra Chatterjee, Prof. S. S. Laga
3	RFID BASED SECURITY ACCESS SYSTEM	Sayani Roychowdhury	Prof. Manoj Kumar Pain





**Message from Dr. Subhrangshu Sanyal, CEO IIMC  
Incubation Park**

*“Entrepreneurship and Innovation will be a key driver of our economy in the coming years and academia needs to play a pivotal role in inculcating the entrepreneurial spirit within the students. I would like to congratulate Camellia institute for organizing ideas to implementation and encouraging student led innovation. I hope this becomes an integral part of the curriculum and would love to see some startups germinating out this program. My best wishes to all the participants.”*

## Computer Science & Engineering Department

This department is headed by Prof. Ollivia Saha. The Departmental Evaluation of Projects have been done on May, 18, 2017. The external expert was Prof. Rachita GhoshHazra. Prof. GhoshHazra is an Asst. Professor of CSE Department, MCKV Institute of Engineering. The Selected Projects are:

SL No.	Project Name	STUDENT LEADER NAME	NAME OF THE GUIDE
1	Online Training and Placement System	Anindya Shome	Prof. Olivia Saha
2.	Web Based Search Engine	Sayak Bhowal	Prof. Sharmista Pattendar
3.	Online Shopping System	Prasanta Bose	Prof. Sayan Das





On May 22<sup>nd</sup>, 2017, the selected projects were, judged by, a panel of Industry Experts. The Chair of the Chief Guest was Ornamented by **Prof. Subrata Kumar Dey, Pro-Vice Chancellor, MAKAUT.**



A Panel Discussion was arranged on the Topic: "Innovation, Incubation and Incubator". Panelists were, Mr. Alok Ray, Director, EKTA Technology Business Incubation Center, Mr. Arihant Kothari, Head, NASSCOM 10000 Startup, Mr. Gaurav Kapoor, Head-Social Entrepreneurship Program, IIMCIP, Dr. Subrata Chattopadhyay, NEN Mentor.



Another Panel Discussion was arranged on the Topic: "Entrepreneurial Leadership". Panelists were, Mr. Neeraj Krishna, Co-Founder of Kolkata Ventures, Mr. Abhirup Banerjee, Co-Founder, Grip Consulting, Mr. Subhro Banerjee, Founder, Axsystech.



Then the Selected Students pitched before a panel of Industrialists. The panel selected three projects. The panel included, Mr. Alok Ray, Director, EKTA Technology Business Incubation Center, Mr. Arihant Kothari, Head, NASSCOM 10000 Startup, Mr. Gaurav Kapoor, Head-Social Entrepreneurship Program, IIMCIP, Dr. Subrata Chattopadhyay, NEN Mentor, Mr. Neeraj Krishna, Co-Founder of Kolkata Ventures, Mr. Abhirup Banerjee, Co-Founder, Grip Consulting, Mr. Rohit Sarkar, Co-Founder, Distronix, Mr. Sugata Halder, Country HR-Head, Century Ply, Mr. Subhro Banerjee, Founder, Axsystech.

POSITION	Project Name	STUDENT LEADER	NAME OF THE GUIDE	DEPT
1ST	DESIGN AND FABRICATION OF BELTLESS CONVEYOR SYSTEM	Tanay Sarkar	Dr. Rakesh Kumar	ME
2nd	A WARNING SYSTEM TO ALERT HUMANS FROM ELEPHANTS NEAR BUFFER ZONES	Bhaskar Sarkar	Prof. (Dr.) S. Chatterjee, Prof. S. S. Laga	ECE
3RD	DISCRETE WAVELET TRANSFORM BASED COLON POLYP DETECTION USING SYNTHESIZE SIMILARITY MEASURE.	Sneha Bhattacharya	Prof. Mainak Biswas	EE





**Prof. Avijit Das,  
Director, CIT**

*We at our institute are talking about skill and outcome. Our mission is to produce students who will passionately design the products, the future society is waiting for. I2I is a step to that mission. I thank all the Association Partners, Incubators & Experts from Industry and Academia, who are continuously helping us to fulfill our dream.*



**Prof. (Dr.) S. Chatterjee,  
Principal, CIT**

*IDEA TO IMPLEMENTATION is an opportunity for young, aspiring engineers of Camellia Institute of Technology to be a successful ENTREPRENEUR. I2I transforms engineer to entrepreneurial engineer. It is a new learning space on campus designed to provide an environment for project based learning.*



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