

**Memorandum of Understanding for
IIT Delhi Innovation Center and Shikhar Abhiyan Scholarship
between
Indian Institute of Technology Delhi
and
Class of 1986, IIT Delhi**

This Memorandum of Understanding is being signed on 7th of October, 2011 between Indian Institute of Technology Delhi and Class of 1986 for setting up the following facilities:

- **IIT Delhi Innovation Center**
- **Shikhar Abhiyan Scholarship**

IIT Delhi Innovation Center

The Innovation Center is being setup to provide an environment focused on multi – disciplinary innovation projects. A workspace with basic infrastructure in terms of machines, tools and consumables shall be provided with 24x7 access.

It will have an advisory committee and a management committee. Dean UGS shall be the Chairman of Advisory Committee and a Professor Incharge shall Head the Management Committee.

Class of 86 have committed to raise Rs. 50.00 Lac for the said purpose. The fund and the interest accrued shall be used for the infrastructure and activities of the Innovation Center.

The details of the IIT Delhi Innovation Center are given in Annexure –I

Shikhar Abhiyan Scholarship

Shikhar Abhiyan Scholarship is being set up to award Scholarships for the Children of Staff and BHM employees of the Institute. The scholarship awardees will also be mentored by the alumni of the batch.


The broad objective of this Scholarship is to provide financial support to needy but meritorious school going children. The Scholarship will be given from 9th Standard onwards till the completion of 12th standard. Each child will be provided a scholarship of Rs. 2,500 per month.

Class of 86 have committed to raise Rs. 50.00 Lac for the said purpose. The interest accrued shall be used for the Scholarships.

The details of Shikhar Abhiyan Scholarship are given in Annexure-II.

An annual statement of income and expenditure relating to the Innovation Center and the Scholarship will be submitted to the respective Management Committees every year.


Signed by
Indian Institute of Technology Delhi
Date: 7/10/11

 
Signed by
On behalf of Class of 86
Date:

IIT DELHI INNOVATION CENTER

Concept

Research involves generation of new knowledge and innovation requires adding economic value, societal benefit or strategic implication to the existing or discovered knowledge. Innovation can be seen as something that *does*, not something that *is*. At a practical level, innovation can be seen as a change in the thought process for doing something, or the useful application of inventions or discoveries. It may refer to incremental, emergent, or radical and revolutionary changes in thinking, products, processes, or organizations. Given an opportunity, students of IIT Delhi can take up the challenge of innovation and play an active role in translating academic research into products and processes of commercial and industrial relevance. In order to encourage students to traverse the path of innovation along with their regular curriculum, it is proposed to create - ***IIT Delhi Innovation Center***.

During their Silver Jubilee Reunion, the IIT Delhi Batch of 1986 announced the launch of an Innovation Fund and pledged a sum of Rs. 50 Lac. With this initial funding, IIT Delhi Innovation Centre is being started.

Objectives of the Innovation Center

- Provide an environment focused on innovation
- Help students from different disciplines to work in teams on innovative ideas outside regular academic schedule
- Mentor students on socially/ commercially relevant projects
- Support co- curricular activities like Robotics Club and the FSAE club
- Encourage multi-disciplinary innovation projects
- Develop cross-linkages with the other innovation programs and initiatives

What will be there?

A workspace where student(s) of the Institute (UG/PG from any programme) can:

- (a) work in teams on their own (may be part of curricular or co-curricular activity);
- (b) have 24 x 7 access;
- (c) can use machines, tools and consumables;
- (d) buy material/parts or get work outsourced

The workspace physical infrastructure should include:

- (a) have facilities for design in a multi-disciplinary team environment – including industry standard hardware and software;
- (b) have work areas for light work, heavy work and assembly;
- (c) be equipped with a variety of manufacturing machines and accessories;
- (d) services such as, compressed air, clean rooms, power supply, etc.;
- (e) embedded system development facility
- (e) a stock of standard parts and components;
- (f) an inventory of consumables.
- (g) space of about 5000 sq ft.; temporarily, a smaller space in Synergy Building, SAC and WS complex will be allotted.

Management of Proposed Innovation Center (IC) at IIT Delhi

It will have an advisory committee and a management committee.

- **Advisory Committee** (to decide the policy, financial issues and vision of the center) will have seven members
 - Three Deans (UGS, SAS, AAIP). Dean UGS shall be the Chairman
 - MD, FITT
 - Prof.-in-Charge (PIC) of the Innovation Center: IIT Delhi faculty to be nominated by the Director of IIT Delhi
 - Two nominees from the IITD batch of 1986. Additional members from the Batch may be co-opted on need basis.
- **Management Committee** (for day to day activities, creation and maintenance of the basic infrastructure, and the implementations of the policies decided by the advisory committee) will have six members
 - Prof.-in-Charge (PIC) of Innovation Center
 - Student Head (To be selected from the technically active students by a committee to be formed by the PIC. This will consist of 1-2 faculty experts, and the G. Sec. AIC)
 - G. Sec (AIC) [Elected by the students]
 - Three active students members to be selected by the PIC for day to day activities of the center (e.g., as Website administrator/Treasurer, etc.)
 - PIC will have the power equivalent to that of HOD/Board President for managing finances and activities of IC

Location of the Innovation Centre

It is proposed that the activities of the innovation centre initially will be carried out at following locations:

- (i) Laboratory space of about 400 sqft. in TBIU, Synergy Building
- (ii) Robotics Club room in SAC
- (iii) Central Workshop for all mechanical assembly and fabrication.

How to run the Innovation Center (IC)?

A. Activities

- (i) Advisory Committee will put in place an appropriate process for selection of projects for nurturing at IC from its own funding. The Advisory Committee will also do an annual evaluation of projects.
- (ii) Projects selected by other committees (e.g Batch of 89 Innovation Award) for support will be facilitated through IC.
- (iii) Project proposals can be submitted to IC for support by a team of students, with or without faculty mentors all through the year.
- (iv) Alumni, faculty and external experts can be associated with projects for guidance as desired by the team or suggested by the PIC.
- (v) All student project competitions recognised by the departments like Robocon, Mini-Baja, Formula-SAE, etc. will be allowed to use the IC facilities in order to participate in the competitions. In case, there is an innovative component in the product for the competition funds may be sought from the IC. Rest of the funds for travel, etc. have to be arranged the way it is arranged at present.

B. Operations

- (i) The center - access, facilities and equipments should be managed by the students only, thus, giving them a sense of ownership. They will set up
 - (a) modalities for day-to-day operation;
 - (b) reporting system and responsibilities definition;
 - (c) safety regulations and checking systems;
 - (d) security and access control system;
 - (e) scrap and waste disposal procedures;
 - (f) inventory management system; and
 - (g) maintenance procedures, such as , cleaning, etc.

- (ii) The center may take the help of permanent project staff members who are interested to involve themselves, mainly, after/before the office hours. This may be to take care of the inventory, managing funds, helping the students in machining, soldering, debugging circuits, etc. They may be given due recognitions, mainly in the forms of taking them to the competitions, putting their names on the boards in the center, annual certificates, etc.
- (iii) The center will also attempt to synergise with the expert labs. of the institute in order to enhance the quality of the innovations, thereby, creating culture of creativity amongst the existing labs. as well. These labs may be identified as IC-affiliated labs. whose members may be given due recognitions like the way it is proposed in item (ii) above.
- (iv) Funds and purchase for individual projects will be managed through faculty mentors who will have the same financial power as that of PI of a sponsored project; in case of absence of a faculty mentor for a project, PIC will make necessary arrangement.
- (v) PIC will make use of existing institute staff members for accounting and other administrative purposes.

**Guidelines for Instituting
“Shikhar Abhiyan Scholarship”**

1. Preamble

Alumni of Batch of 86 during their Silver Reunion in December, 2010 decided to set up Scholarships for the Children of Staff and BHM employees of the Institute. The scholarship awardees will also be mentored by the alumni of the batch.

This is their way of paying tributes to the staff and mess workers for their contribution and support during their stay at IIT Delhi

2. Objective and amount of the Scholarship

The broad objective of this Scholarship is to provide financial support to needy but meritorious school going children. The Scholarship will be given from 9th Standard onwards till the completion of 12th standard.

Each child will be provided a scholarship of Rs. 2,500 per month. The child will also be mentored by alumni of Batch of 86.

3. Criteria for awarding the Scholarship

The criteria for awarding the scholarship shall be:

- a) The father/ mother of the Child is a permanent employee of the Institute or a BHM employee.
- b) The parental gross income shall be less than Rs. 4.00 Lac per annum.
- c) The child shall be studying in a Government School.
- d) The child must have minimum of Grade B2 or 65% marks in 8th Standard.
- e) If required, a written test may be conducted to select the awardees.
- f) The child must maintain the minimum academic criteria for continuation of the scholarship.

4. Management Committee

A Management Committee consisting of the following will select and review the Scholarships periodically:

a) Dean, (UGS)	Chairman
b) Dean, AA&IP	Member
c) Assistant Registrar, E(II)	Member
d) Two Nominees of the Batch of 86	Member
e) Principal KV (JNU) or Nominee	Member

5. Amount of Corpus

The Batch of 86 have committed to raise Rs. 50.00 Lac as corpus. However, a minimum amount of Rs. 5.00 Lac shall be deposited to start two Scholarships for the next two years to be paid for five years from the year of start.

6. Contact details of Representative of Batch of 86