



**MINUTES OF THE NINTH MEETING OF THE PLANNING & MONITORING
BOARD HELD ON 24 DEC 2018 AT 1030HRS.**

The meeting of the Planning and Monitoring Board was held at 10.30 PM on 24th Dec 2018, Monday, at the Conference Room.

The following attended the meeting: -

Prof Prateek Sharma	Chairperson
Prof Vir Singh	
Prof M N Murty	(Through skype)
Dr Lakshmi Raghupathy	
Dr Atul Kumar	
Dr Sapna Narula	
Dr Sudipta Chatterjee	
Dr Nandan Nawn	
Dr Chaintanya Madhurantakam	
Dr Vishnu Konoorayar	
Capt. Pradeep Kr. Padhy (Retd.)	Secretary

Special invitees

Dr Anjal Prakash
Dr Ritika Mahajan
Mr Dhanraj Singh

Dr Leena Srivastava, Dr Rajiv Seth and Dr Arun Kansal could not attend the meeting.

In the absence of the Vice Chancellor, Dr. Prateek Sharma, Dean (Academics) chaired the meeting and welcomed all the members of the Board.

Item No. 1. Confirmation of the Minutes of the 8th Planning & Monitoring Board Meeting held on 18 Dec 2017. The Registrar informed that minutes of the 8th Planning and Monitoring Board meeting held on 18th Dec 17 were circulated to the members and no comments have been received so far. He requested the PMB to confirm the minutes of the meeting.

TS/PMB 9.1.1 The PMB resolved that the minutes of the meeting of the Planning & Monitoring Board held on 18 Dec 2017 be confirmed.

Item No 2. Research and academic activity at Hyderabad campus. The Registrar apprised the members about the progress on the construction of Hyderabad campus and

their timelines. The members were shown a presentation on the progress of the construction activity (Copy placed at Enclosure 1). He informed that the construction work would take few more months to complete due to certain unforeseen exigencies. Dr. Anjal Prakash presented a plan for the proposed research and academic activities for the new campus at Hyderabad (Enclosure 2). Dr Nandan Nawn suggested that the Hyderabad campus was to be seen as linked with Delhi campus and in that sense the vision, mission and strategic goals needed to be synchronized. He mentioned that to start with, the top courses which are offered in Delhi and which has greater demand and less resources (labs etc.) intensive could be replicated at Hyderabad. Prof. Vir Singh opined that PG programmes could be structured in a way that students get encouraged to do their PhD from TERI SAS and also the University could offer scholarships to attract meritorious students. The Registrar informed that the Executive Committee of AC had recommended for launching one MA programme, 3 MSc and one MTech programme wef July 2019 under the aegis of a Department of Sustainability Studies. He stated that since there had been certain delay in completion of the construction, the plan might have to be postponed to the next academic year. Dr Vir Singh suggested that three existing programmes of TERI-SAS Delhi campus could be replicated with 20 students each in the discipline thus making a total capacity of 60 PG students in the first phase. He recommended that research and consultancy work in the areas of environmental health, sustainable food system, renewable energy and green finance could be launched leading to full-fledged programmes in these areas later. He opined that the campus should have a 20-year vision with short, medium and long-term objectives. Prof. M.N. Murty stated that as the programmes were heavily dependent on faculties therefore the core faculties need to be appointed sooner. He suggested that the University could also source faculties from TERI SAS alumni and other infrastructure such as library etc are to be put in place before the programme were launched. Members opined that launch programmes from the academic year 2020 would be ideal as by that time dedicated faculty would have been identified for the proposed courses. The Registrar informed that UGC approval would have to be obtained prior to commencing the programmes.

TS/PMB 9.2.1 The PMB resolved to recommend the following: -

- (i) The following three existing programmes on TERI SAS be replicated at Hyderabad Campus wef 2020.
 - (a) MSc (Economics)
 - (b) MSc (ESRM)
 - (c) MTech (REEM)
- (ii) Core faculty for the department and library cum lab resources to be put in place in the campus prior to approaching UGC for the approval process.

Item No 3. Setting up of a Central Instrumentation Centre at Delhi campus. The Chair informed the members that TERI SAS being a research University should have a Central Instrumentation Facility, however due to paucity of space the same could not be set up in the institution yet. He requested members to provide concrete suggestions to set up such a facility at Delhi Campus. Prof. Vir Singh stated that the University should have a Central Instrumentation Centre of its

own and to begin with 3-4 important equipment might be acquired which could be expanded gradually. He mentioned that a budget of at least Rs.8-10 crores would be required for this purpose. Members suggested that a committee of specialist faculty members could be sent to premier universities such as IITs, JNU, etc. to study and survey their set up and accordingly propose a model for TERI SAS. Dr Atul Kumar emphasised that while purchasing equipment, future requirements should be kept in mind so that they do not remain idle.

TS/PMB 9.3.1 The PMB recommended that a committee with representatives from all the Departments be formed to scrutinise similar facilities set up in leading universities and submit its recommendations.

Item No 4. Start-up activities in sustainable development sector. Dr. Ritika Mahajan apprised the members about the start-up activities in sustainable development being undertaken at the TERI SAS. She informed the Board members that a Entrepreneurship Development Cell (EDC) has been functioning in the University since 2015 and the University alumni also have set up many firms (Enclosure 3). She informed that the EDC regularly invites young entrepreneurs and alumni from the NCR region for guest lectures and activities to promote the culture of entrepreneurship. She further informed that a 3-day entrepreneurship lab was conducted by the University in collaboration with start-up India where different opportunities available to students in the sustainable development sector were deliberated. She stated that the University had applied to a few schemes for incubation centres but was not successful due to space constraints. She apprised the members that the University alumni were forthcoming in providing mentorship to students from the university and the University is working towards developing the proposal. Prof Vir Singh informed that the University might consider earmarking specific area at the Hyderabad campus for an incubation centre during the phase one itself so that TERI SAS would be able to apply for funding for such initiatives. He further suggested that an alumni corpus fund might be created, and the interest generated from the corpus could be used to fund projects, research work and to pay for visiting faculty from abroad, etc. Dr Atul Kumar mentioned that the University could think of providing the services of incubation centre to others and charge them for accounting and admin support.

TS/PMB 9.4.1 The PMB recommended that :-

- (i) An incubation Centre be set up at Hyderabad Campus in the first phase itself.
- (ii) Alumni Corpus fund be created.

The meeting ended with a vote of thanks to the chair

Sd/
Capt Pradeep Kumar Padhy (retd.)
Registrar

Enclosures :-

Enclosure 1

Enclosure 2

Enclosure 3

Distribution: -

Electronics Copy:

1. Vice-Chancellor, TERI School of Advanced Studies

2. All members

3. Website

Printed Copy:

4. Registrar, TERI School of Advanced Studies

Master plan
Phase-IA, IB and II



Master plan : Phase-IA, IB and II



Phase-IA & IB



Proposed Green features of Hyderabad campus.

- *North-South Orientation & Western glare(sun) blocked by blank wall.*
- *Wind tunnels. (SW breeze) narrow opening windard*
- *Wind catchers.(roof tops + louvre)*
- *Rain water Harvesting.*
- *Least disturbance to site. (not disturbing natural terrain)*
- *Use of local materials like Shahabad, Kadappa, Tandur stone.(using resources around site)*
- *Use of Natural light as long as there is light outside.*
- *Plantation of local trees & avoid lawns.*
- *Roof top Solar Panels , GRIHA compliance features, Maximum renewable features etc.*

**Photographs showing progress of construction works of
TERI SAS Hyderabad Campus**

ADMIN AND ACADEMIC BLOCK

Northeast view of the phase-I





Granite and flooring works at amphitheatre-



Door and corridor flooring works at classrooms

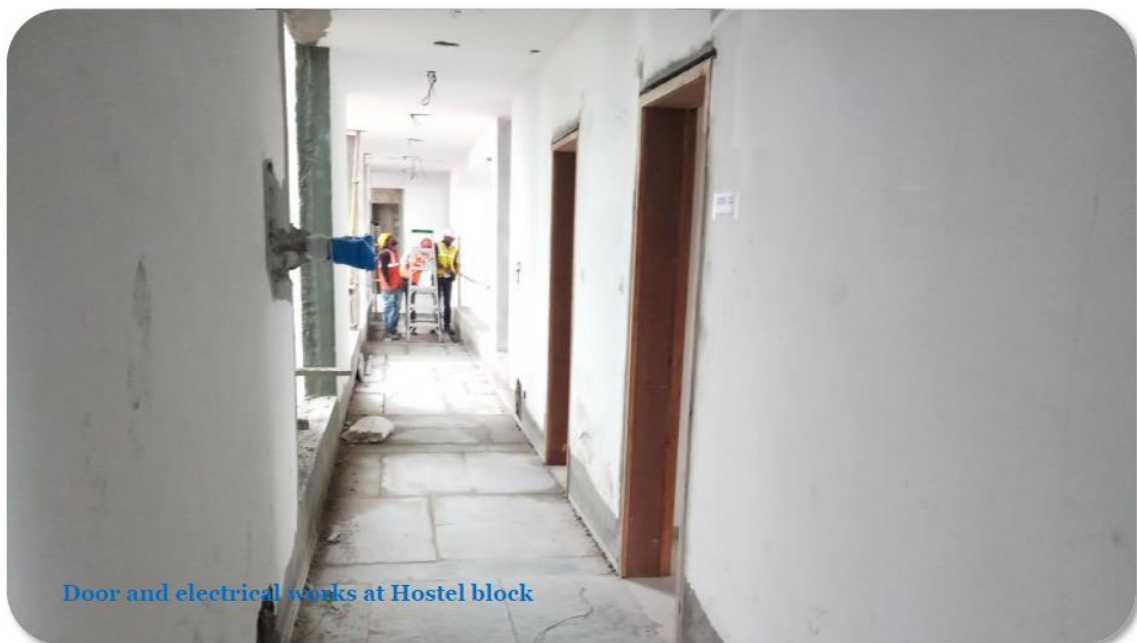
DINING BLOCK



HOSTEL BLOCK



Road works near Hostel and Dining blocks



Door and electrical works at Hostel block





Research and Academic Activity @ Hyderabad Campus

Anjal Prakash

Presentation at Planning and
Monitoring Board of TERI – SAS
December 24, 2018, New Delhi



2024 Strategic Vision for TERI-SAS(H) (zero draft)

The 2024 Strategic Vision is driven by four strategic initiatives and goals:

1. Achieving educational excellence in curricular and co-curricular activities
2. Strengthening the human and financial resources of TERI-SAS(H) and making it a self-sustainable institution
3. Become an institution of repute in its visibility, fame and distinction for sustainability studies
4. Achieving world class campus facilities in quality and technology



Strategic Initiatives (4)

- I: Achieving Educational Excellence**
- II: Strengthening Human and Financial Resources**
- III: Strengthening Reputation, Visibility, and Prominence**
- IV: Enhancing Facilities and Technology**



School of Sustainability Studies (research and academic focus)

- Sustainable resource management under a changing climate
- Environmental health
- Corporate sustainability
- Data analytics for sustainability
- Sustainable food systems
- Renewable energy and green finance
- Nano-technology and artificial intelligence for sustainability
- Gender, equity, governance and institutions



7 strategic goals

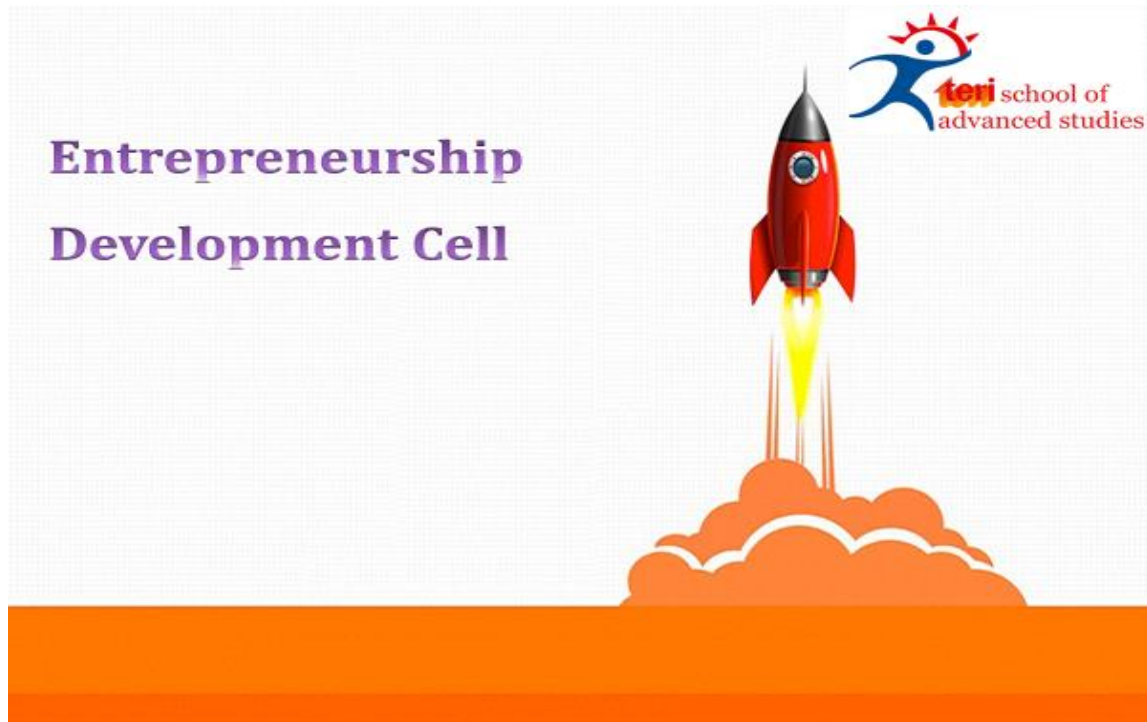
- Goal 1 - Develop best practices to improve educational effectiveness
- Goal 2 - Offer distinctive academic and co-curriculum programs in the study of sustainability
- Goal 3 - Create Centers of Excellence to meet the evolving national and global needs
- Goal 4 - Ensure TERI SAS (H) campus meets its strategic vision
- Goal 5 - Promote an inclusive campus climate to attract and retain diverse students, faculty, and staff
- Goal 6 - Offer non-degree and short term certificate programs and MDPs to meet the needs of the working professionals
- Goal 7 - Deliver courses face-to-face, hybrid or online to achieve excellence in student learning



Courses

- MA
- M Sc
- M Tech
- PhD
- Short term diploma courses
- Evening\weekend courses for working professionals
- Management Development Programs
- Distance learning courses





Objective

Promoting and Supporting **Innovation, Creativity, Ideation and Excellence** through

- strengthening networking with the Industry & Alumni
- organizing events (informative, competitive, brainstorming sessions)
- creating partnerships among students under the guidance of faculty members
- liasoning with the government or non-government organizations through schemes/initiatives/programs for meeting its objective.

Structure

Faculty Members

Sapan Thapar
Som Mondal
Udit Soni
Kamna Sachdeva
Fawzia Tarannum
Deepty Jain
Akash Sondhi
Ritika Mahajan

Student Coordinators

Amitava Mondal
Events and Operations

Sukhmani Kaur
Outreach and Engagement

Mohita Taneja
Corporate Relations

GLIMPSES OF ACTIVITIES

Journey of an Entrepreneur

Speakers:

Mr. Dhruv Ratra, IIT-G
Director, Cubical Labs

Mr. Akshay, IIM-C
Marketing Head, Cubical Labs

**Key Notes:**

Challenges faced by an Entrepreneur
Steps for a Start up
How to pitch your Idea effectively
Seed funding & Venture Capitalist
Teamwork



Entrepreneurship and Forms of Organizations

Speakers:

Mr. Dishant Hans , IIT-R Alumni
Founder, Munim.in

munim.in

Key Notes:

Registration process of new firm
Benefits of LLP over a company
Intellectual Property Rights
Problems faced by Start-ups
Managing Finances



Interactive alumni-student talk “Quaestus”

- ▣ Mr. Akhil Sood, founder of KARMABHOOMI, that uses innovative ideas of Buddhist Economics and Karma-centric approaches to solve various socio-economic problems in villages of the country.
- ▣ HOPE COLLECTIVE, by Ms Divakshi Nayar is an e-commerce marketplace for unique products made by NGOs and Social Enterprises.



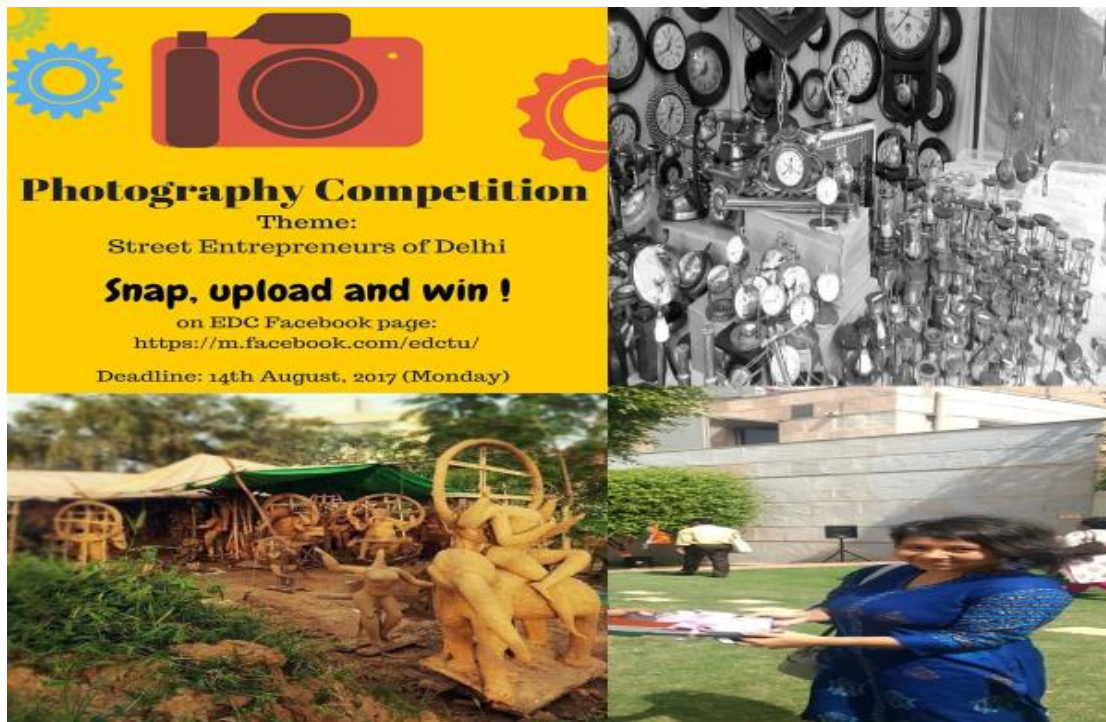
Junkyard Wars

- ▣ Conducted as part of the new batch induction ceremony *Prarambh* 2017.
- ▣ Teams of new students were provided with a box of waste resource consisting of polymers, wood, metals, and the likes with the aim of designing a minimum viable product along with its marketing plan. The aim was to initiate the EDC to new comers and drive registrations in the following weeks.
- ▣ The event was met with much enthusiasm and saw a successful EDC recruitment drive in the following weeks.



Street Entrepreneurship: Photography Contest

- ▣ A photography contest was designed to capture the doers, the thinkers, the entrepreneurs of everyday life.
- ▣ The photographs shared with were posted on the social media the contest saw entries from tens of enthusiastic individuals who shared the entrepreneurial journey of those in the



Eco Tourism- Interactive session

An inspiring interactive session by Mr. Sanjay Austa- national geographic photographer and sustainable tourism enthusiast was hosted on the topic *"The Challenges and Prospects of Ecotourism"*.

Mr Austa shared with the students, his journey as an entrepreneur and his learning from one of the few green tourist accommodations present in the water troubled region of Manali.



Business Plans and Funding

A learning session organised to understand the execution of business plans, building of MVPs, secure funding, and the hurdles and learnings in the journey.

The session was delivered by Mr. Amit Bhasin (*Co-founder at Go Mechanic, IIM-A Alumnus*), and Kanishk Kumar (*Senior Associate Director- Enterprise Sales at Flock, DCE Alumnus*)



Journey of an Edupreneur

- ▣ *Dr Virender Khanna* was invited to share his experiences as an 'Edupreneur and a Start Up Mentor'.
- ▣ Over the last three decades, he has used his experience of academia, industry and consultancy to guide more than 20,000 business students and aspire entrepreneurs.



Innovation Marathon

An *Idea Conception Quest* was hosted where students across streams were encouraged to share their ideas on businesses creating social and environmental value.

A hand- on session on *InnovationNext*, and innovation and idea generation were also delivered.

To follow it up, a competition was organised on the same software where winners had the potential to earn a *Budding Innovator Certificate* along with a chance to get mentored for the succeeding levels.

Eckonirmitee- learning session

An interactive session delivered by alumnus and industrial waste entrepreneur, Mr Rohit Sadaphal on the colleges role in his entrepreneurial journey.

He briefly spoke about executing the concept of circularity in resource efficiency and the challenges faced on interactions with government bodies and setting up shop.



Participation in National Schemes/Initiatives

- ▣ Call for Atal Incubation Centres
- ▣ Canada India Acceleration Program for Women entrepreneurs
- ▣ Start Up India Hub
- ▣ MHRD Innovation Cell
- ▣ Call by National Research Development Corporation
- ▣ Innovation Next Software

Courses

Design Thinking

To help students in understanding how thinking like a designer can transform the way we develop products, services, processes—and even strategy.

Social Entrepreneurship

To help students in becoming social entrepreneurs, who target unjust and unsustainable systems — or “equilibria” and transform them into entirely new, superior, and sustainable equilibria.

Some Start-Ups by Alumni



Rohit Sadaphal, M.Tech
Renewable Energy Engineering & Management, 2013 – 2015
Founder & Director
ECO Nirmitee



Dimple Ranpara
MBA – Infrastructure, 2012 - 2014
Co-founder/Partner
Crete Cafe



Jagriti Dabas, Siddham Gaur, Vikash Shivhare
MSc-GeoInformatics, 2013-15
JSV SPATIAL CONSULTANTS

SustainEarth

Delivering Clean Energy To Rural Areas

Piyush Sohani, M.Tech
Renewable Energy Engineering & Management, 2012 – 2014
Founder
SustainEarth

**EnvEco
LOGIC**

Spearheading Sustainable Growth

Alok Raj Gupta
Msc-Economics, 2009-11
ENVECOLOGIC



Devakshi Nayar
MA Sustainable Development and Practice
Founder and CEO Hope Collective

Activities Planned

- ▣ Innovation and Creativity Workshop
- ▣ Guest Lecture on Innovation
- ▣ Competition on Designing Solutions for Challenges for Sustainable Development



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