

# Workshop on Sustainability Through Technical Intervention (STTI-2018)

(October 31, 2018)

## SCHOOL OF ENERGY & ENVIRONMENT

SEE offers M.Tech. in Environmental Science and Technology since 1980s. R&D activities of the school currently include river water quality monitoring and management; metal bio-transformations; advanced oxidation processes; industrial environmental management; ambient air quality; and bioremediation and bio-plastics. The school offers Ph.D. programs in the energy, environment and safety areas.

### ABOUT THE PROGRAM

Workshop explores how the most relevant research and theory can be used to improve the practice of science, sustainability and environmental communication. Participants get an overview of the field as we examine how lab- scale research, real-time ideas, come together in advocacy and social marketing campaigns, and other forms of public participation for environmental protection. Participants have the opportunity to work/present on projects that are relevant to the specific societal community interests.

### EVENT DETAILS

**STTIexpert: Time to interact with expert(s) with a goal to empowering the sustainability through breakthrough R& D with environmental acceptance**

**STTIvision: Explore your potential through innovative poster session with market driven environmental issues**

**STTIignite: Time to ignite the mind boggling business ideas for fostering the burning environmental issues**

**STTIquizmaster: Quiz time to shake your brain and get the best out of it.**

*Need not to mention that all the events would be carrying attractive prizes.*

### REGISTRATION FEES

**Individual participation in single event: Rs. 200; Two events: Rs. 300; Three events: Rs. 500**

❖ For registration, fill the registration form and send to [anoop.kumar@thapar.edu](mailto:anoop.kumar@thapar.edu) by 15-10-2018

(for more details, visit the website <http://www.thapar.edu/pages/event/workshop-on-sustainability-through-technical-intervention-stti-2018-3>)

- ❖ Registration fee includes kit, working lunch, Tea/coffee.
- ❖ Multiple teams from single institute can participate

## AWARDS/PRIZES

**STTIgnite: 1<sup>st</sup> Position: Rs. 5000; 2<sup>nd</sup> Position: Rs. 3000**

**STTIvision: 1<sup>st</sup> Position: Rs. 2500; 2<sup>nd</sup> Position: Rs. 1500 (2) ; 3<sup>rd</sup> Position: Rs. 1000 (2)**

**STTIquizmaster: 1<sup>st</sup> Position: Rs. 3000;**

**2<sup>nd</sup> Position: Rs. 2000; 3<sup>rd</sup> Position: Rs. 1000**

### **GUIDELINE FOR STTIgnite**

**Eligibility criteria:** The competition is open for teams comprising UG & PG students.

#### **Formation of teams:**

- Maximum 3 members permitted in a team; one of the team members should be registered as Team Leader.

#### **Guidelines for submission:**

- The teams must submit their presentation in MS Power-point.
  - ✓ The proposal should clearly establish linkage to overall development with innovative technologies/ ideas
  - ✓ Make it professional and realistic with credible projections and accurate content
  - ✓ Please ensure that scientific and technical details are clearly spelt out with all the regulatory issues
  - ✓ Document all your predictions and expectations in simple cash flow and break-even charts with market penetration
  - ✓ Maximum 20 slides with a time limit of 12-15 minutes
- A team can make submission on only one topic
- **The team must mail their Business Plan to [anoop.kumar@thapar.edu](mailto:anoop.kumar@thapar.edu) before 15<sup>th</sup> October, 2018**, also mention your Team Leader (TL) and organization Name in the subject column.
- Please save the Word document as “TL’s name\_ Institute Name\_Location” e.g. “Anoop Verma\_ TIET\_Patiala”
- Report should be of maximum 5 pages, excluding the title page
- Each team must mention topic, team name, college, team members on the title page of the business plan
- The team can use pictures, info graphics in their business plan.

#### **The business plan must be organized in the following manner:**

Cover Page; Executive Summary; Opportunity; Market analysis summary; Execution; Financial plan

## **GUIDELINE FOR STTIvision**

### ***Environmental concerns: Topics:***

Paddy-straw Management, Sustainability through technology, Reduction in carbon sinks: Deforestation, Smart cities, Curbing NCR air pollution through innovative technologies and any other topic as per your choice or expertise.

### ***Guideline for Poster Presentation:***

- The dimensions of the poster should NOT exceed 76cm wide x 106cm high, in Portrait format.
- Allocate the top of the poster for the title and authors details.
- 30 % of the total content should address the environmental concern and its associated problems while, the rest 70% portion must focus on its remediation including:
  - Raw material: Source, availability and cost;
  - Technology employed: Machinery, man power, utilities, cost etc.
  - End user product: Feasibility, applicability and cost-efficiency etc.

***Note: Authors must make themselves available at the times of the poster presentations.***

## **GUIDELINE FOR STTIquizmaster**

### ***General rules:***

Only team entries (member of 2) are allowed, use of mobile or any other electronic gadgets is prohibited, the decision of QUIZ MASTER is final and irrevocable.

### ***Qualifying round (In case more than 6 teams register)***

#### ***Final on-stage round:***

##### ***Round 1: Welcome Round (Time limit 30 sec)***

- 4 questions for each team based on General awareness carrying + 10 marks for correct answer and -5 for wrong answer.
- Only ONE PASS is allowed for a question resulting + 5 marks for correct answer and -2 marks for wrong answer.
- 6 questions, **each** to be answered within **one** second with +10 for correct and -5 for wrong answer.
- Each team to appoint only one member for answering.
- Two rounds for each team consisting of video/visuals based questions to be answered within 30 seconds.
- +10 marks each for correct answer and -5 marks for incorrect answer.
- No passing is allowed between teams, however, **audience** can answer on request of Quiz master.

##### ***Round 4: Buzzer Round***

- Team with quickest buzzer press to go first.
- Answering time 30 seconds per question with +10 for correct answer and -10 for wrong.