

सविष्कार : SAVISHKAR

A Three Days' National Exhibition and Symposium

on

Innovative and Futuristic Approaches in Science and Technology

iFAST-2015

26th to 28th February, 2015

Venue

Maulana Azad National Institute of Technology, Bhopal, M. P.

Jointly Organized by

Madhya Pradesh Council of Science and Technology

&

Vidyarthi Kalyan Nyas

Supported by

Akhil Bhartiya Vidyathi Parishad

&

Maulana Azad National Institute of Technology, Bhopal, M. P.

Objectives of the Event

- To provide an incubation platform to the young scientist and engineers of India for nurturing their innovative ideas so that they find congenial atmosphere of research and development in this country itself;
- To inculcate a sense of pride and love towards the nation by bringing the youth of various parts of the country at a common platform of science and technology;
- To bring out the talent of young scientists and engineers of India for the technological and scientific growth of the country;
- To encourage creative thinking, provide exploratory experiences, and promote innovative ideas amongst our youth through self-devised exhibits or models.
- To encourage problem solving approach and develop the appropriate technologies, especially for rural areas and integrating scientific ideas with daily life situations;
- To popularize science among masses and create an awareness regarding the role of science and technology in socio-economic and sustainable growth of India;
- To have as many people as possible participate in the sharing of this knowledge;
- To develop high quality hands-on experiences that stimulates, entertain and educate our visitors.

Note:

1. Parallel technical sessions will be organized to give opportunities to the participants to present their original research papers on the themes of exhibition.
2. Special help will be provided to the participants of winning projects to acquire patents for their innovations.
3. Stalls of select industries/companies will be put up to enable the participants to submit their CV for placements.

THEMES and SUB-THEMES**A. Innovative and non-conventional Energy Sources**

- A-1 Solar Energy, Wind Energy and Tidal Energy
- A-2 Organic and renewable energy sources
- A-3 Energy Audit

B. Revisiting contemporary/traditional Indian science and technology

- B-1 Rural Technology
- B-2 Indian Metallurgy and Production Techniques
- B-3 Vastushastra and Indian Building Science

C. New trends in Mechanical Engineering

- C-1 Automobile Engineering
- C-2 Refrigeration and Air-conditioning
- C-3 Production

D. Latest trends in Electricals, Electronics and Telecommunication

- D-1 Electrical Engineering
- D-2 Robotics
- D-3 Electronics and Communication

E. Innovations in Computer Science and Information Technology

- E-1 E-Governance Technologies
- E-2 Open Source Technology
- E-3 ICT in Education

F. Agriculture Science, Organic Farming and Food Processing**G. Environment Engineering**

- G-1 Waste Management
- G-2 Pollution Control

- G-3 Global Warming

H. Chemical and Plastic Engineering

I. Civil and Architectural Engineering

J. Basic Sciences

- J-1 Physical Sciences
- J-2 Bio Sciences
- J-3 Mathematics

K. Open Category: Covering all other branches of Science and Technology which are not covered in the above themes

Modus Operandi

1. There will be a nominal registration fee of Rs. 1000/- (One Thousand Only) per team for selected entries. Team should not comprise of more than 4 participants.
2. Every entry at the initial stage should submit an abstract of maximum 300 words and a synopsis of maximum three pages comprising of:
 - Basic Idea
 - Relevance
 - Short description of the model
 - Cost estimation
 - Impact on society/industry
3. A One Page Coloured Handout containing the brief information about the model should be prepared by the candidates to submit to the jurors at the time of presentation.
4. The initial registration form must be duly endorsed by the Head of the institution.
5. The First, Second and Third winners will be identified from every theme.
6. At the final day of the event a special display of all the winners may be organized for VVIPs.
7. Prizes in each theme will be as follows:
 - I Prize : Rs. 25,000/-
 - II Prize : Rs. 15,000/-
 - III Prize : Rs. 10,000/-
8. Separate prizes will be awarded for technical papers also.

Tentative Programme

26th February, 2015

- 9.00 AM to 10.30 AM : Registration/arrangement of models/projects in specific rooms
- 10.30 AM to 11 AM : Tea and Snacks
- 11 AM to 1.00 PM : Settling of Projects
- 1 PM to 2 PM : LUNCH
- 2 PM to 3.30 PM : Settling of Projects
- 3.30 PM to 5.00 PM : Inaugural Function
- 6.00 PM to 8 PM : Cultural Eve followed by dinner

27th February, 2015

- 9 AM to 10 AM : Refreshment
- 10 AM to 11.30 AM : Plenary-1
- 11.30 AM to 1.00 PM : Exhibition open for all
- 1.00 PM to 2 PM : Lunch
- 2 PM to 5.00 PM : Parallel Technical Sessions
- 6 PM to 8 PM : Cultural Eve followed by dinner

28th February, 2015

- 9 AM to 10 AM : Refreshment
- 10 AM to 1 PM : Exhibition opens for jurors
- 1 PM to 2 PM : Lunch
- 2 PM to 3 PM : Plenary-2
- 3.30 PM to 5.00 PM : Valedictory Function and Certificate Distribution

RULES AND REGULATIONS

GENERAL RULES

1. Every project entry has to be endorsed by the head of the institution.
2. All participants have to present their institutional IDENTITY CARDS while reporting for the competition.
3. E-mail ID and Telephone Number of the project leader/team member is to be mentioned in the application.
4. Inter disciplinary projects are also encouraged.
5. The choice of the group is to be given by the students themselves in the Entry Form while submitting it. No choice/no change of group would be allowed thereafter.
6. Student studying in any discipline can send entry in any group .The choice of group should be made based on the model project and not on the branch of the degree course. (Ten groups - A to K have been listed).
7. Participants with Hobby Projects (Open to students of all semesters except final semester) can compete in the **section OPEN CATEGORY**.
8. Specimen copies of the ENTRY FORM and PROJECT DETAIL FORM are attached herewith.
9. Photocopies of the same may be used separately for each model.
10. All the participants of the project exhibition will have to report on the exhibition day at the venue and keep the models ready and working well before the specified time.
11. Participants reporting late will not be allowed to participate in the competition.
12. All students exhibiting a particular project should belong to the same institution and the number of students per project should not exceed four.
13. TA & DA will not be given to students and guides. (Respective institution may provide the same).

RULES FOR ENGINEERING AND SCIENCE PROJECT EXHIBITION

1. Participants are required to submit their project details as specified. The document should not contain the name of the College.
2. Related information like title of the projects, salient features, name of the institution etc. should be displayed in the stall for the benefit of visitors.
3. The projects will be assessed category-wise by a panel of judges from Scientists Engineering and Science Faculties, Industrialists and Research Scholars from various Scientific Organizations.

4. All the participants should be present with their projects at the time of assessment/evaluation and are expected to answer the questions posed by the judges.
5. The participants are requested to submit one hard copy and a soft copy of the Project Report, at the time of reporting.
6. Organizers' and jury's decision on all matters will be final.
7. Participants present at the exhibition for all four days will get a Participation/ Appreciation Certificate. Certificates will be issued to the teacher/mentor guides also.
8. Minimum of 10 entries should be present for prizes to be awarded in any theme.

RULES FOR TECHNICAL SESSIONS

1. Students willing to present their innovative research work or ideas can give an oral presentation in these sessions.
2. Maximum 10 minutes will be provided a presentation.
3. An individual or a team can present their work using PowerPoint Presentation or charts/posters.
4. In case of a team presentation the number of participants in team should not exceed four.
5. A hard copy and a soft copy of the paper to be presented is also to be submitted.
6. Organizers' and jury's decision on all matters will be final.
7. Certificate of participation will be awarded for such presentations as well.
8. Separate prizes will be kept for the technical/research papers also.

SCHEDULE OF THE EVENT

Dates of the Exhibition	26 th , 27 th and 28 th February, 2015
Venue	MANIT, Bhopal, M.P.
Last Date for Submission of Project / Paper Proposal	30 th November, 2015
Intimation of Acceptance by the Organizers	15 th December, 2015
Last Date to submit completed Entry Forms	15 th January, 2015
Reporting Date and Time	26 th February, 2015; 09:00 AM
Inaugural Session	26 th February, 2015
Projects Evaluation	27 th February, 2015
Technical Paper Presentation Competition	28 th February, 2015
Valedictory Function and Prize Distribution	28 th February, 2015; 3:30 PM

FACILITIES (TO BE PROVIDED BY THE ORGANIZERS)

1. Accommodation and Food would be provided without cost. (Only if intimated in advance). Accommodation would be made in hostels, dormitories or halls. The participants may stay outside at their own cost/risk.
2. A stall with sunshade & single-phase electrical supply would be provided. Computers/Laptops will not be provided.
3. Connections above 2 KW load and three phase electrical connections will be provided only with prior intimation with an extra charge of Rs. 500/- (Rupees Five Hundred only) per connection.
4. LCD Projectors would be provided for the Paper Presentation & Innovative Idea Presentation Competitions.
5. Four students and a guide are permitted to participate in a group with one project.
6. The organizers have reserved their rights and authorities regarding all matters related to SAVISHKAR (iFAST-2015).

SAVISHKAR

Innovative and Futuristic Approaches in Science and Technology (IFAST-2015) 26th to 28th February, 2015

EVENT (TICK THE APPROPRIATE)	
PROJECT	PAPER

PROJECT'S DETAILS

FOR OFFICE USE ONLY	
Entry Number	Stall Number

1. Name of the participants in CAPITAL LETTERS
(Maximum four participants allowed per project)

S. No.	Name	Mobile/Phone Number	e-mail ID

2. Branch:.....Year

3. Title of the Project :

4.College/Institution:.....

6. Basic Idea :.....
.....
.....

7. Relevance :
.....
.....
.....

8. Short description of the project :.....
.....

9. Cost estimation:.....

10. Impact on society/industry:.....

SAVISHKAR**Innovative and Futuristic Approaches in Science and Technology (IFAST-2015)****26th to 28th February, 2015**

EVENT (TICK THE APPROPRIATE)	
PROJECT	PAPER

REGISTRATION FORM

FOR OFFICE USE ONLY	
Entry Number	Stall Number

1. Name of the participants in CAPITAL LETTERS
(Maximum four participants allowed per project)

S. No.	Name	Mobile/Phone Number	e-mail ID

2. Branch:.....Year

3. Name of the Guide:

4. Title of the Project :

5.College/Institution:.....

6. Postal Address :.....
.....

Phone :e-mail :

I have gone through the rules and regulations of the event and I agree to abide by the same.

.....
(Signature of group lead□□)