

STEERING COMMITTEE

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Secretary: Subodh Morye, M&M
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Paul Sowerby, Cummins, Pune
R. Srinivas, Ashok Leyland
Balraj Bhanot, Chairman, SAEINDIA Development Board
Dr. Sudhir Gupta, A. D. Patel Institute of Technology
Mr. Hanish Chavan, Mahindra Swaraj
Vijay Nair, MVML
Devendra Bahirat, John Deere, Pune
Carment D'costa, Bharat Petroleum
Atul Kunte, Eaton, Pune
Alok Jaitley, MSIL, Gurgaon
Sunil D. Kulkarni, Mahindra, Mumbai
Vijay Tuli, MTWL
Sudhakar Potokuchi, Eaton, Pune
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Tapan Sahoo, MSIL, Gurgaon
Dinakar Khobrekar, Mahindra, Mumbai
Dr. K. C. Vora, ARAI
Sandeep Balooja, Anand Automotives
Rakesh Sood, Trim India
Mr. Srinamachandran, Deputy Director General SAEINDIA

ORGANIZING COMMITTEE

Chairman: Y. Y. Dhake, MVML
Secretary: Pratap Pandit, Mahindra, Mumbai
Co-convenor: Prasad Rao, Mahindra, Mumbai
Finance: Ravindra Borawake, MVML
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JetToy: Parth Wandrekar, Mahindra, Nashik
Members: Manoj Girhe, John Deere
Tushar Batham, Cummins, Pune
Sumit Shandilya, Delhi
Vasant Raj, SAEINDIA Southern section
Convener: Abhay Lomte, MVML
Coordinator: Shailesh Kulkarni, Mahindra, Nashik
Marketing: Suvrata Gharge, Mahindra, Mumbai
Skimmer: Sagar Murugkar, ARAI
Track Instrumentation: Mahesh Masurkar, John Deere, Pune
Convener: Anil Pratap Singh, SINGH.ANILPRATAP@mahindra.com
Zaheerabad: A. Krishnarao, 9573046074, reo.krishna@mahindra.com

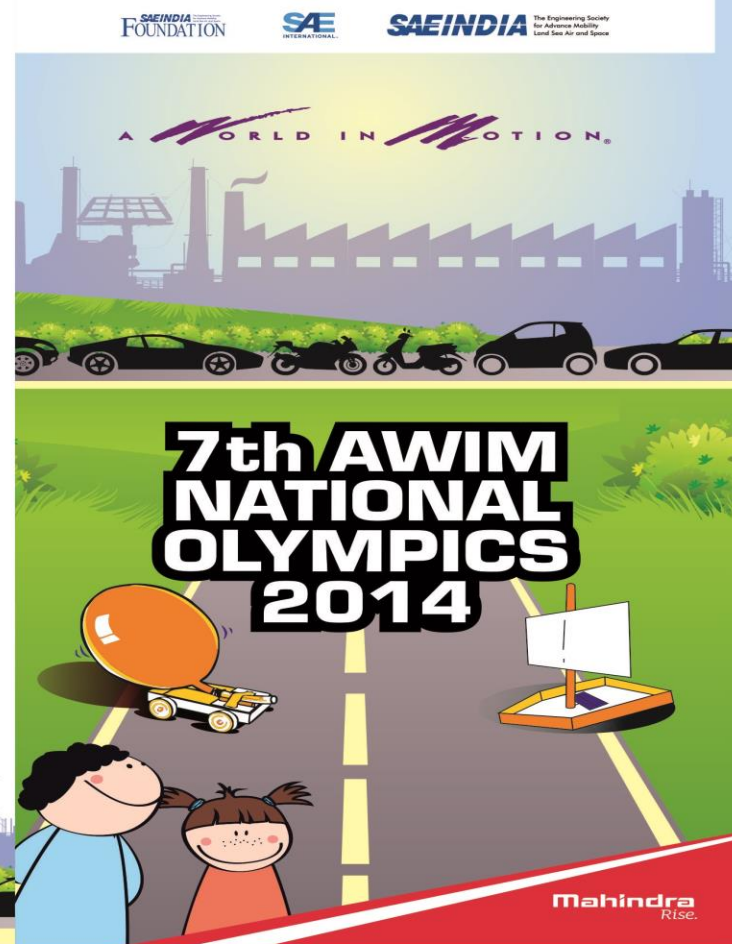
CITY LEADS

Convener: Abhay Lomte | 9860338534, lomte.abhay@mahindra.com
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Rudrapur: Anil Pratap Singh | 9639044442, SINGH.ANILPRATAP@mahindra.com
Zaheerabad: A. Krishnarao | 9573046074, reo.krishna@mahindra.com

PROGRAM SCHEDULE

Time	Activity
10th January, 2015 (Saturday)	
09:00 - 13:00	Arrival of teams at the hotel: Hometerl
13:00 - 15:00	Registration & Lunch at hotel
15:00 - 16:00	Travel to Chakan plant
16:00 - 17:00	Registration of Teams
17:00 - 18:30	Inauguration ceremony
18:30 - 20:00	Technical Briefing
20:00 - 21:00	Dinner
21:00 onwards	Travel back to hotel: End of Day-1
11th January, 2015 (Sunday)	
07:00 - 07:45	Breakfast
07:45 - 08:45	Travel to Chakan plant
08:45 - 09:15	General Instruction and Kit Distribution
09:15 - 11:15	Jet Toy/Skimmer & presentation building
11:30 - 12:00	Lunch
12:00 - 16:30	Dynamic events & Presentation for Jet Toy & Skimmer challenges
16:30 - 16:45	Hi-tea
16:45 - 17:45	Result Compilation
18:00 - 20:00	Valedictory ceremony
20:00 - 21:00	Dinner
20:30 onwards	Travel back to hotel: End of Day-2
12th January, 2015 (Monday)	
07:30 - 08:40	Breakfast
08:30 - 09:30	Travel to Chakan plant
09:30 - 12:00	Industrial visit of Chakan plant
12:00 - 13:30	Lunch
13:30 onwards	Departure of team: End of Day-3

Address: Mahinda Vehicle Manufacturers Ltd. | A-1, MIDC, Phase IV, Chakan Industrial Area, Village Nighoje, Taluka - Khed, Pune - 410501



WHAT IS AWIM?

A World In Motion® (AWIM) is a teacher administered, volunteer-assisted program that brings science, technology, engineering and mathematics (STEM) education to life for school students. Benchmarked to the national standards, AWIM incorporates the laws of physics, motion, flight and electronics into age-appropriate hands-on activities that reinforce classroom STEM curriculum.

WHY AWIM IS UNIQUE?

Brings Math, Science & Technology principles together. Uses highly interactive learning experience. Incorporates Laws of physics, motion flight & electronics.

THE ENGINEERING DESIGN EXPERIENCE

- Set Goals • Build Knowledge • Design
- Build & Test • Decorate • Present

EVENTS

JetToy Challenge (6th Standard)

Students build balloon-powered toy cars to test performance for distance traveled, weight carried, accuracy and speed, while building knowledge through collecting research data. Students then use data as they continue to explore the Engineering Design Experience to design and test physical models exploring jet propulsion, friction and air resistance along the way. The challenge culminates as engineering design teams design and build a JetToy car that meets specific design criteria and present their final designs.

Skimmer Challenge (5th Standard)

Students construct paper sailboats to test the effects of different sail shapes, sizes and construction methods to build knowledge through collecting research data. Students then use data as they continue to explore the Engineering Design Experience, to design and test models encountering the physical phenomena of friction, forces, and the effect of surface area along the way. The challenge culminates as engineering design teams design and build a Skimmer that meets specific design criteria and present their final designs.



CONTACT

Abhay Lomte, Convener AWIM 2014
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AWARD

Sr. No.	Category	Winning amount Skimmer (Rs.)	JetToy (Rs.)	Awards
01	National overall winner	10,000	20,000	Trophy, medals & certificates
02	National 1st runner up	7,000	15,000	Trophy, medals & certificates
03	National 2nd runner up	5,000	10,000	Trophy, medals & certificates
04	Winner: maximum distance	2,000	5,000	Medals & certificates
05	Winner: maximum time	-	5,000	Medals & certificates
06	Winner: turning ability	2,000	-	Medals & certificates
07	Winner: maximum speed	2,000	5,000	Medals & certificates
08	Winner: maximum weight	2,000	5,000	Medals & certificates
09	Winner: accuracy	2,000	5,000	Medals & certificates
10	Best teacher	5,000	10,000	Certificate
11	Best student volunteer	5,000	10,000	Certificate
12	Best industry volunteer	3,000	5,000	Certificate
13	Milestone award	-	-	Certificate
14	Winner: team work	-	-	Certificate
15	Winner: cleanliness	-	-	Certificate
16	Winner: sportsmanship	-	-	Certificate
17	Winner: best presentation	-	-	Certificate
18	Winner: best aesthetics	-	-	Certificate
19	Winner: best vernacular team	-	-	Certificate

RULES & REGULATIONS

- Two teams from 5th & 6th standards will participate in the AWIM National Olympics 2014 at MVML, Chakan.
- At least one teacher must accompany the teams.
- Skimmers/JetToys in the competition must be constructed only on site, on the day of the event.
- These will be built using only materials that are provided in the official "A World In Motion" kits, readily available at the site.
- Teams may build multiple toys (Skimmer & JetToy) to use in different events.
- Teams can use only one sail per Skimmer and/or one balloon-nozzle per JetToy.
- Different sails/balloon-nozzles can be used for different events.
- The allotted time for building & testing a Skimmer or JetToy is 2 hours.
- Teams will be given three trials.
- If the Skimmer/JetToy does not cross the start line, the trial will not be considered.
- The teams will be allotted a specified time to complete the trials.
- Every team is required to prepare a design presentation.
- The judges' decision will be final.

