



AWIM NATIONAL OLYMPICS 2010, (DT. 09/01/2011)

The National Car Design & Build Competition for School Children

By - Saurabh Chitnavis (Convener - AWIM National Olympics 2010)

“AWIM National Olympics 2010” was conducted at **Nakshatra Lawns, Nashik** on **9th January 2011** & **Wisdom High International School** of Nashik emerged as the National Champions in the competition.



A World in Motion (AWIM) - The Design Experience, is a dynamic curriculum focusing on the engineering design process for physical science classes. Designed for students in grades 6, the program is appropriate for students, who are experiencing physical science concepts for the first time.



SAEINDIA with SAEINDIA Foundation & SAEInternational, in association with **Main sponsor** - Mahindra & Mahindra Ltd., & **Co-sponsor** - Eaton India Engineering Centre, **Associate sponsors** - The Automotive Research Association of India (ARAI), ALF Engineering, AVL India Pvt. Ltd., Bosch India Ltd., Continental, Cummins India Ltd., John Deere India Pvt. Ltd., KLT Group, LEAR, Lucas TVS, Mahindra Navistar Engines, Motherson Summi Systems Ltd., Right Tight Fasteners, **Co-Associate sponsors** - Automotive Test Systems, Innova Rubbers, Meena Elastomers Pvt. Ltd., Siddhi Forge Pvt. Ltd. & Eltek Systems Pvt. Ltd., organized the event to help motivate & channelized the young talents.



25 teams participated in the National Olympics comprising of top teams from 9 different cities were selected from local City Level competition, nationwide. 100 students who are presently **studying in their 6th standard** participated in the event with great **enthusiasm and passion**.

The challenge was to design an appealing toy that performs in a specific way, such as Distance travelled, Weight carrying capacity, longest travel time, Accuracy & Speed. Students experimented with different designs and nozzle sizes to determine their effect on the JetToy's performance. Jet propulsion, friction, and air resistance are the core scientific concepts, which students explore in this challenge.





Major General (Retd.) Narsinh S. Sapre, Indian Army, **Mr. H. D. Aher**, V.P.- Operations (Nasik & Igatpuri) Mahindra & Mahindra Ltd., **Mr. Ramachandra Rao**, Executive Director, Indian Automotive Division, Vehicle Group, Eaton Corporation, **Dr. K. C. Vora**, Deputy Director & Head ARAI Academy, **Mr. Abhijeet Warade**, Head Manufacturing Services, John Deere, **Mr. Atul Seth**, Plant Head, Lear, **Mr. Ravi Senji**, SAEINDIA, **Mr. Nitin Ranade** Chairman Organizing Committee AWIM 2010, & V. P. Vehicle Systems Mahindra & Mahindra, Nashik graced the Inauguration Ceremony.

The competition was judged by **Mr. Ramesh Kadaganchi**, General Manager, Quality, John Deere, **Dr. K. C. Vora**, Deputy Director & Head ARAI Academy, **Ms. Ramkripa Ananthan**, Head Styling Mahindra & Mahindra, Mumbai, **Ms. Sucheta Sharma**, Lead Generalist H. R. Eaton, Pune, **Mrs. Neepa Vora**, Artist (Aesthetics).



So far 22,000+ student and 700+ teachers in 165 schools have been trained including some of the zilla parishad and municipal schools. 500 volunteers from the sponsoring company have been trained, who act as facilitators responsible for spreading this movement.



At the National Olympics 2010, students gave a demo of their concept car with the Team Name, Toy name, logo & slogan of their team and wrote the specification of their vehicles in a presentation Chart. Jury's had a tough time rating the teams as the participants were at par & there was just a fine line separating the next best. The aesthetics round was one of the most difficult round to be judged, since each futuristic car designed by the students was amazing & innovative.





Team from “**Wisdom High International School**”, Nashik emerged as the **Winner, who would now participate in the Jet-Toy Olympics** which will be held in **Detroit, USA** during SAE International Congress scheduled in April 2011.



Sir Dr. M. S. Goswai, President / Director, MSG Foundation, Mumbai, Director, J. D. C. Bytco Institute of Management Studies & Research, Nashik, Hon, Director General (Asia) India, IBC, Cambridge, U. K. , **Major General (Retd.) Narsinh S. Sapre**, Indian Army, **Mr. Rajeshwar Tripathi**, Executive Vice President H. R. Mahindra & Mahindra, **Mr. H. D. Aher**, Vice President (Nashik & Igatpuri) Mahindra & Mahindra, **Larry Zahn**, Senior General Manager, Xylo were the guest in closing ceremony.

“AWIM National Olympics 2010” ended after the prize distribution with the entertainment program, performed by the students of Wisdom High International school & Boy’s Town School, Nashik





**AWIM Olympics 2010 Champions - Wisdom High International School
Major General Narsinh Sapre, Tanish P, Irfan Sindhi, Sarthak Tambat, Sarth Dandekar &
Mr. Nitin Ranade along with 2009 National Champions.**



**AWIM Olympics 2010 1st Runner Up - Wisdom High International School
Commander Uday Vaidya, Shaurya Gandhi, Ved Tambat, Rounak Joshi, Kaustubh Phegade
& Mr. Rajeshwar Tripathi**



AWIM Olympics 2010 2nd Runner Up – Millennium School
Mr. H. D. Aher, Antara Malwdkar, Sharvari Bhat, Astha Daryapurkar, Riya Palaskar & Dr. K. C. Vora

This year one more Award category, “**AWIM Best Volunteer**” was created to encourage the Volunteers for their whole hearted support, this award was sponsored by Trim India Ltd.

Mr. Shailesh Kulkarni of Mahindra & Mahindra Ltd., received the “AWIM Best Volunteer” award from **Mr. Rakesh Sood**, Trim India, Delhi & **Major General (Retd.) Narsinh S. Sapre**, Indian Army.



The Organising Committee has introduced two new innovative ideas for the Event.

- i) Sensors were mounted on the test track for measuring time during the evaluation of Jet-Toy for the Maximum Speed.
- ii) Access based Software for the compilation / calculation of scores & reporting the best performance in Individual as well as overall event.

The Details of the performance of the participating teams are given in the table below.

Table A : Team Ranking based on the marks scored in the Track event as well in the presentation round.

Ranking	School Name	Total Scores	Team no.	City
National Overall: Winner	Wisdom High International School	76.86	01	Nashik
National Overall: 1st Runner-up	Wisdom High International School	76.36	02	Nashik
National Overall: 2nd Runner-up	Millennium School	70.36	09	Pune
4 th Position	Panditrao Agashe School	70.17	07	Pune
5 th Position	Z. P. Schol, Mahalunge	69.45	04	Chakan
6 th Position	Millennium School	69.45	08	Pune
7 th Position	TVS Academy	67.55	11	Hosur
8 th Position	Parimalam Matric Hr. Sec. School	67.18	16	Chennai
9 th Position	Fazlani L'Academy Globale	66.50	17	Mumbai
10 th Position	Sanskriti School, Chanakyapuri	64.20	12	Delhi

11 th Position	Sacred Heart high School	56.47	18	Mumbai
12 th Position	Z. P. School, Nigoje	55.03	05	Chakan
13 th Position	Seth Ramnath Jaju Madhyamik Vidyalaya	54.83	03	Nashik
14 th Position	Abhishek Vidyalayam, Shahunagar, Chinchwad	54.71	06	Chakan
15 th Position	Sishya School	53.95	10	Hosur
16 th Position	Allan English High School	48.03	22	Mumbai
17 th Position	BSSK (Suganthi Bala Bhavan) Matriculation School	47.67	15	Chennai
18 th Position	G. D. Goenka Public School	45.84	14	Faridabad
19 th Position	Tagore International	45.08	13	Delhi
20 th Position	New Digambar Public School	43.92	19	Indore
21 st Position	Chotiram international School	41.74	20	Indore
22 nd Position	Daly College	36.70	21	Indore
23 rd Position	International Public School	35.32	25	Bhopal
24 th Position	Sagar Public School	34.75	24	Bhopal
25 th Position	Sagar Public School	21.51	23	Bhopal

Table B : Names of the School who topped the individual events categories of the National Olympics 2010 with their team Rankings.

Rounds	School Name	Team No.	City
Winners: Max Distance	Panditrao Agashe School	07	Pune
	Millennium School	09	Pune
Winners: Max Speed	Fazlani L'Academy Globale	17	Mumbai
Winners: Longest Time	Abhishek Vidyalayam, Shahunagar, Chinchwad	06	Chakan
Winners: Weight	Wisdom High International	02	Nashik
Winner : Best Accuracy	Sishya School	10	Hosur
Winner : Best Aesthetic	Panditrao Agashe School	07	Pune
	Wisdom High International	02	Nashik
Winner : Best Presentation	Wisdom High International	01	Nashik
Winner : Best Teamwork	G. D. Goenka Public School	14	Faridabad
Winner : Cleanliness	TVS Academy	11	Hosur
Winner : Sportsmanship	New Digambar Public School	19	Indore
Winner : Best Rural Team	Z. P. School, Mhalunge	04	Chakan

ANNEXURE A

Steering Committee Members :

Chairman	Dr.K. Kumar, President, SAEINDIA foundation.
Secretary	Dr. Arun Jaura, CTO, Eaton, Pune
Members	Mr. R. Dayal, President, SAEINDIA
	Mr. Craig Barnes, CTO, Cummins India Operations, Pune
	Mr. Sudhakar Shenoy, John Deere, Pune
	Mr. Ashwin Shastri, Mahindra 2 Wheelers, Indore.
	Dr. K. C. Vora, ARAI, Pune
	Mr. S. Shanmugam, Design Desk, Chennai
	Mr. M V Seth, Bharat petroleum, Bhopal
	Mr. Rakesh Sood, TrimIndia, Delhi
	Mr. Kishan Kejriwal, Kiswok Industries, Kolkata
	Mr. A. D. Sindwani, SAEINDIA Foundation, Delhi
	Mr. Maruthi, Hon. Treasurer, SAEINDIA Bangalore section
	Mr. Subodh Morye, M&M Ltd, Mumbai

Organising Committee Members :

Chairman	Nitin Ranade, VP, M&M, Nasik
Secretary	Subodh Morye, M&M Ltd, Mumbai
Treasurer	Shailesh Kulkarni, M&M Ltd, Mumbai
Convener	Saurabh Chitnavis, M&M Ltd, Mumbai
Co-convener	Atul Kunte, Eaton, Pune
Head Finance	C. L. Patil, M&M Ltd, Mumbai
Secretary	Harikumar Nair, M&M Ltd, Mumbai
Head Event Management	Mansinh Kumbhar, M&M Ltd, Mumbai
Secretary	Sneha Patil, M&M Ltd, Mumbai
Members	Miss. Varsha Pawar, M&M Ltd, Mumbai
	Mr. Basavraj Patil, M&M Ltd, Mumbai
Head Marketing	Vaibhakar Kiran, M&M Ltd, Mumbai
Secretary	Mangesh Awashekar, M&M Ltd, Mumbai
Member	Mr. Pravin Borase, M&M Ltd, Mumbai

Organising Committee Members (Contd.):

Head Administration	Cdr. Uday Vaidhya, M&M Ltd, Mumbai
Secretary	Kamlakar Ghongade, M&M Ltd, Mumbai
Member	Tushar Chaudhari, M&M Ltd, Mumbai
	Vikas Sharma, M&M Ltd, Mumbai
Members	Prof. Zakhir Ilahi, MHSS College of Engg., Mumbai
	Dr. Rajendran, Crescent Engineering Collage, Chennai
	Mr. Kannan Rajendran, SAEISS, Chennai
	<i>Mr. Devendra Bhairat, John Deere, Pune</i>
	Mr. Ajeeet Rao, Eaton, Pune
	Mr. Shirish Patole
	Mr. Ajay Deshpande, Mahindra 2 Wheelers, Indore
	Mr. Sumukh Deshpande, ARAI, Pune
	Mr. Thomas Cherian, ARAI, Pune
	Ms. Gulnaaz Shikalgar, John Deere, Pune
	Ms. Sucheta Sharma, Eaton, Pune
	Mr. Ajay Namjoshi, M&M Ltd, Mumbai
	Mr. Anant Tagare, M&M Ltd, Mumbai
	Padmesh Sewda, M&M Ltd, Mumbai
	Mr. Anil Katkar, M&M Ltd, Mumbai
	Mr. Sagar Murugkar, Panchjanya Events, Pune
	Miss. Asha Sabrawal, M&M Ltd, Mumbai
	Miss. Komal Jadhav, M&M Ltd, Mumbai