“SAE INDIA AWIM Jet Toy National Olympics” was conducted at Jamia Sports Complex, New Delhi on 13th November 2011. “St. Columba’s School, Delhi” emerged as the National Champion & would represent India at AWIM International Olympics 2011 at Detroit, Michigan, USA.

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.
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 Jet Toy's performance. Jet propulsion, friction, and air resistance are the core scientific concepts, which students explore in this challenge.

Top 26 competent teams from 13 cities all across India participated in the National Olympics 2011. More than 100 students showed their zeal and enthusiasm along with their creative & scientific excellence during the event.
The inauguration ceremony was graced by Mr. I.V. Rao (Chairman SAENIS & MEO, Engg. MSIL), Mr. Sandeep Raina (Co-convener AWIM- 2011 & GM, MSIL), Dr. Tapan Sahoo (Secretary SAENIS & GM, MSIL), Prof. Abid Haleem (HOD, Mechanical Engineering, Jamia Millia Islamia University), Mr. Rakesh Sood (Convener AWIM-2011 & MD, TRIM INDIA), Mr. Matthew Miller (Director, SAE Foundation & Pre-Professional Programs at SAE International), Dr. K C Vora (Dy. Director, ARAI Academy), Mr. R Naraynan (DG, SAEINDIA), Mr. R R Sankarasubramanian (Ed, SAEINDIA), Mr. Saurabh Chitnavis (Sr. Manager, M&M).

Chief Guest : Dr. Farooq Abdullah, Hon’ble Union Cabinet Minister, Govt. of India, Minister for New And Renewable Energy & Former Chief Minister, J&K

The esteemed jury for the competition comprised of Dr. K C Vora (Dy. Director, ARAI Academy), Mr. Matthew Miller (Director, SAE Foundation & Pre-Professional Programs at SAE International), Mr. R Naraynan (DG, SAEINDIA), Mr. Prem Paredasani (VP, Lumax DK Jain Group).
The fabricated Jet toys were tested in five different track rounds namely, max. speed, max. distance, max. time, accuracy & max. distance with weight.

At the National Olympics 2011, 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.
Mr. Mathew M. Miller (Director, SAE Foundation & Pre-Professional Programs SAE International), who was Special guest on the occasion shared his views and experiences about AWIM program done at USA.

Learning & fun went hand in hand with some beautiful performances & dynamic track events and presentation rounds. Magnificent performances were given by students from Saai Memorial girls School, Bal Bhawan International school & S R DAV school.
“AWIM National Olympics 2011” ended after the motivating speech by Dr. Farooq Abdullah (Hon’ble Union Cabinet Minister, Govt. of India, Former Chief Minister, J&K & Minister for New And Renewable Energy) followed by prize distribution and enthralling performance “Jai Ho” by girls from Saai Memorial girls School.
AWIM National Jet Toy Olympics 2011 Champions
St. Columba's School, Delhi
Master Ankit Sharma, Master Shitij Malik, Master Bhavishya Bhatt, Master Paanshul Jerrel
AWIM National Jet Toy Olympics 2011 First Runner Up
Prestige Public School, Indore
Ms. Tanishka Goswami, Master Sanskar Jain, Master Akshat Barve, Ms. Revati Janzeere
AWIM National Jet Toy Olympics 2011 Second Runner Up
Saupin's School, Chandigarh
Master Prabhnoor Singh, Master Yatin Bunger, Ms. Mehak Katyal, Master Lakshay Karwasara
This year “AWIM Best Industry Volunteer” was awarded to “Mr. Saurabh Chitnavis” of Mahindra & Mahindra Ltd. to encourage his whole hearted support, this award was sponsored by SAEINDIA Foundation.
This year two more Award categories, “AWIM Best Student Volunteer” & “AWIM Best Teacher” was created to encourage the Student Volunteers & Teachers for efforts and dedication in making AWIM initiative a big success.

“Mr. Mahesh Yadav” of Dronacharya Engineering College, Gurgaon was awarded Best Student Volunteer, this award was sponsored by SAEINDIA Foundation.
This year two more Award categories, “AWIM Best Student Volunteer” & “AWIM Best Teacher” was created to encourage the Student Volunteers & Teachers for efforts and dedication in making AWIM initiative a big success.

“Mrs. Anuttama Pandit” of Wisdom high International School, Nashik was awarded Best Teacher, this award was sponsored by SAEINDIA Foundation.
To encourage Volunteers and Teachers for their dedication in taking AWIM initiative forward, this year two more Awards Special Contribution (Industry Volunteer) & Special Contribution (Teacher) was given.

Mr. Padmesh Sewda of Mahindra & Mahindra Ltd. won the Special Contribution (Industry Volunteer) & Mrs. Lakshmi V of Sishya School, Hosur bagged the Special Contribution (Teacher) award.

This year the prize money for various set of awards was:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Category</th>
<th>Amount</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Overall Winner</td>
<td>₹20,000</td>
<td>Trophy &amp; Gold Medal</td>
</tr>
<tr>
<td>2</td>
<td>1st Runner Up</td>
<td>₹15,000</td>
<td>Trophy &amp; Silver Medal</td>
</tr>
<tr>
<td>3</td>
<td>2nd Runner Up</td>
<td>₹10,000</td>
<td>Trophy &amp; Bronze Medal</td>
</tr>
<tr>
<td>4</td>
<td>Max Distance</td>
<td>₹5,000</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Max Time</td>
<td>₹5,000</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Max Speed</td>
<td>₹5,000</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Weight Carrying</td>
<td>₹5,000</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Accuracy</td>
<td>₹5,000</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Best Student Volunteer</td>
<td>₹10,000</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Best Teacher</td>
<td>₹10,000</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Best Industrial Volunteer</td>
<td>₹5,000</td>
<td></td>
</tr>
</tbody>
</table>

Besides the cash prize, all the winners will get Medals & Certificates for their achievements.
Table B: Names of the School who topped the individual events categories of the National Olympics 2011.

<table>
<thead>
<tr>
<th>Category</th>
<th>City</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Winner</td>
<td>Delhi</td>
<td>St. Columba's School</td>
</tr>
<tr>
<td>National First runner up</td>
<td>Indore</td>
<td>Prestige Public School</td>
</tr>
<tr>
<td>National Second runner up</td>
<td>Chandigarh</td>
<td>Saupin's School</td>
</tr>
<tr>
<td>Winner Max Distance</td>
<td>Delhi</td>
<td>St. Columba's School</td>
</tr>
<tr>
<td>Winner Max Time</td>
<td>Hosur</td>
<td>Sishya School</td>
</tr>
<tr>
<td>Winner Max Speed</td>
<td>Nashik</td>
<td>Wisdom high International School</td>
</tr>
<tr>
<td>Winner Max Weight</td>
<td>Kolkata</td>
<td>M.C. Kejriwal Vidyapeeth</td>
</tr>
<tr>
<td>Winner Accuracy</td>
<td>Hisar</td>
<td>Moga Devi Minda Memorial School</td>
</tr>
<tr>
<td>Winner Teamwork</td>
<td>Delhi</td>
<td>St. Columba's School</td>
</tr>
<tr>
<td>Winner Cleanliness</td>
<td>Hissar</td>
<td>Moga Devi Minda Memorial School</td>
</tr>
<tr>
<td>Winner Best Sportsmanship</td>
<td>Hosur</td>
<td>Sishya School</td>
</tr>
<tr>
<td>Winner Best Presentation</td>
<td>Indore</td>
<td>Prestige Public School</td>
</tr>
<tr>
<td>Winner Best Aesthetics</td>
<td>Delhi</td>
<td>St. Columba's School</td>
</tr>
<tr>
<td>Winner Best Vernacular Team</td>
<td>Hissar</td>
<td>Moga Devi Minda Memorial School</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Ranking</th>
<th>School name</th>
<th>Total Scores</th>
<th>Team No.</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Overall: Winner</td>
<td>St Columba’s</td>
<td>75.91</td>
<td>25</td>
<td>Delhi</td>
</tr>
<tr>
<td>National Overall: 1st Runner-up</td>
<td>Prestige Public School</td>
<td>70.42</td>
<td>6</td>
<td>Indore</td>
</tr>
<tr>
<td>National Overall: 2nd Runner-up</td>
<td>Saupins School</td>
<td>70.41</td>
<td>13</td>
<td>Chandigarh</td>
</tr>
<tr>
<td>4th Position</td>
<td>Tagore International School</td>
<td>70.05</td>
<td>26</td>
<td>Delhi</td>
</tr>
<tr>
<td>5th Position</td>
<td>Agrasain Balika Siksha Sadan</td>
<td>66.86</td>
<td>10</td>
<td>Howrah</td>
</tr>
<tr>
<td>6th Position</td>
<td>MC Kejriwal Vidyapeeth</td>
<td>65.23</td>
<td>9</td>
<td>Howrah</td>
</tr>
<tr>
<td>7th Position</td>
<td>Sisyha School</td>
<td>64.90</td>
<td>8</td>
<td>Hosur</td>
</tr>
<tr>
<td>8th Position</td>
<td>Mahindra Academy</td>
<td>64.90</td>
<td>4</td>
<td>Nashik</td>
</tr>
<tr>
<td>9th Position</td>
<td>Ashoka Universal School</td>
<td>64.47</td>
<td>18</td>
<td>Vadala</td>
</tr>
<tr>
<td>10th Position</td>
<td>Chandannagore Banga Vidyalay</td>
<td>62.71</td>
<td>11</td>
<td>Hooghly</td>
</tr>
<tr>
<td>11th Position</td>
<td>Moga Devi Minda Memorial School</td>
<td>60.86</td>
<td>14</td>
<td>Hissar</td>
</tr>
<tr>
<td>12th Position</td>
<td>ZP High School</td>
<td>59.42</td>
<td>15</td>
<td>Chakkan</td>
</tr>
<tr>
<td>Ranking</td>
<td>School name</td>
<td>Total Scores</td>
<td>Team No.</td>
<td>City</td>
</tr>
<tr>
<td>----------</td>
<td>-------------------------------------</td>
<td>--------------</td>
<td>----------</td>
<td>---------------</td>
</tr>
<tr>
<td>13 th Position</td>
<td>Sanghamitra high school</td>
<td>59.05</td>
<td>3</td>
<td>Zahirabad</td>
</tr>
<tr>
<td>14 th Position</td>
<td>Nav Maharashtra Vidyalaya</td>
<td>58.98</td>
<td>16</td>
<td>Chakkan</td>
</tr>
<tr>
<td>15 th Position</td>
<td>DAV Public School</td>
<td>58.86</td>
<td>20</td>
<td>Pune</td>
</tr>
<tr>
<td>16 th Position</td>
<td>St Francis School</td>
<td>58.57</td>
<td>5</td>
<td>Indore</td>
</tr>
<tr>
<td>17 th Position</td>
<td>CCA School</td>
<td>57.85</td>
<td>23</td>
<td>Gurgaon</td>
</tr>
<tr>
<td>18 th Position</td>
<td>Swami Vivekanand International School</td>
<td>57.25</td>
<td>21</td>
<td>Mumbai</td>
</tr>
<tr>
<td>19 th Position</td>
<td>Wisdom high International School</td>
<td>56.07</td>
<td>17</td>
<td>Nashik</td>
</tr>
<tr>
<td>20 th Position</td>
<td>Ryan International School</td>
<td>53.96</td>
<td>12</td>
<td>Chandigarh</td>
</tr>
<tr>
<td>21 th Position</td>
<td>Tagore International School</td>
<td>49.74</td>
<td>24</td>
<td>Gurgaon</td>
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<tr>
<td>22 th Position</td>
<td>Suganthi Bala Bhavan Hr.Sec School</td>
<td>49.29</td>
<td>1</td>
<td>Southern Section</td>
</tr>
<tr>
<td>23 th Position</td>
<td>Panditro Agashe School</td>
<td>46.51</td>
<td>19</td>
<td>Pune</td>
</tr>
<tr>
<td>24 th Position</td>
<td>Parimalam Mat. Hr.Sec School</td>
<td>45.62</td>
<td>2</td>
<td>Southern Section</td>
</tr>
<tr>
<td>25 th Position</td>
<td>John bosco School</td>
<td>45.62</td>
<td>7</td>
<td>Hosur</td>
</tr>
<tr>
<td>26 th Position</td>
<td>Fazlani L'Academie globale</td>
<td>36.71</td>
<td>22</td>
<td>Mumbai</td>
</tr>
</tbody>
</table>
ANNEXURE A

Steering Committee:
Mentor:
Dr. Pawan Goenka
Chairman:
Dr. K. Kumar
Co-Chairman:
Mr. R. Dayal
Members:
Mr. S. Maitra
Mr. C. V. Raman
Dr. R. K. Malhotra
Ms. Pamela Tikku
Mr. Subodh Morye
Dr. K. C. Vora
Mr. R. R. Sankarasubramanian
Mr. N. P. Maruthi
Ms. Sunila Dhar

Member:
Mr. Piyush Manocha
Mr. Ravi Goel
Prof. Zakhiriillahi
M.H.S.S. College Of Engg. Mumbai
Dr. Chitra Sharma
IGIT - New Delhi
Mr. Nitin Ranade
Mr. Saurabh Chitnavis
Mr. Padmesh Sewda
Dr. Arun Jaura
Mr. A. D. Sindwani
Mr. Kishan Kejriwal
Mr. Anup Kacker
Mr. R. B. Madhekar
Mr. M. S. Choudhary

Technical Committee
Chairman:
Mr. Deepak Sawkar
Members:
Prof. Abid Haleem
Jamia Millia Islamia University
Mr. Ravi Goel
Mr. Amujuri Kranthi Kumar

Organising Committee:
Chairman:
Mr. I. V. Rao
Co-Chairman:
Dr. Tapan Sahoo
Treasurer:
Mr. N. S. Rao
Convener:
Mr. Rakesh Sood
Co-Convener:
Mr. Sandeep Raina

Finance Committee
Chairman:
Mr. N. S. Rao
Member:
Mr. Deepak Gupta
Mr. Ravi Goel
Venue Management
Chairman:
Mr. Jitendra Malhotra
Members:
Mr. Noor Mohammad
Jamia Millia Islamia University
Mr. Piyush Manocha
Mr. Shubham Agarwal

Program & Stage Management
Chairman:
Mr. Anoop Bhatt
Members:
Mr. Ravi Goel
Mr. Harsh Maithani
Ms. Malika Minotra
Mr. Pavan Mukkamala
Mr. Shubham Agarwal

Communications
Chairman:
Mr. Puneet Dhawan
Member:
Mr. Piyush Manocha
Mr. Harsh Maithani
Mr. Pavan Mukkamala

Food & Beverages
Chairman:
Mr. Deepak Panda
Members:
Mr. Sunil K V
Mr. Matin Sheikh
Mr. Rahul K
Mr. Pravin Jadhav

Lodging & Logistics
Chairman:
Mr. Piyush Agrawal
Members:
Mr. Chetan Jain
Mr. Kabir Maini
Mr. Tarun Mahajan
Mr. Manish Talwar
Mr. Anuj Sharma

Administrative
Dr. Tapan Sahoo
Mr. Rakesh Sood
Mr. Sandeep Raina

4th SAEINDIA AWIM Jet Toy NATIONAL OLYMPICS
13th November 2011, New Delhi
“SAEINDIA AWIM TEAM”

4th SAEINDIA AWIM Jet Toy NATIONAL OLYMPICS
13th November 2011, New Delhi