

STEERING COMMITTEE

S. No.	Name	Organization
1	Dr. Pawan Goenka	Mahindra & Mahindra
2	Mrs. Rashmi Urdhwareshe	ARAI
3	Mr. Mark R. Firth	Cummins
4	Dr. R. K. Malhotra	SAEINDIA
5	Dr. Bala Bharadwaj	Boeing
6	Mr. R. Dayal	Maruti
7	Mr. I. V. Rao	Maruti
8	Dr. Aravind Bharadwaj	Mahindra & Mahindra
9	Mr. Balraj Bhanot	Consultant
10	Mr. Nitin Agrawal	Consultant
11	Mr. Nitin Chalke	John Deere
12	Mr. Abhijeet Varade	Eaton
13	Mr. Sudhakar Potukuchi	John Deere
14	Mr. Rafiq Somani	Eaton
15	Mr. Bipin Jirge	Ansys
16	Mr. Rakesh Sood	IFM Electronics
17	Mr. Alok Jaitley	Trim India
18	Mr. C. V. Raman	Maruti
19	Mr. Sriraman	Maruti
20	Mr. Javaji Muniratnam	J M Consulting
21	Mr. Amar Variawa	Vestas
22	Dr. K. C. Vora	ARAI
23	Mr. Lalitkumar Suryawanshi	Cummins

CITY REPRESENTATIVE

Sr. No.	Location	City Lead Name	Mobile No.
1	Ahmedabad	Shikher Bhatnagar	9004686314
2	Bhiwandi - Khane	Vijay Pawar	9689948301
3	Chakan	Sumit Nandurdikar	9689002502
4	Chennai - Chengalpattu (MRV)	Ganesh Adiga	8754461814
5	Chiplun	Sameer Vanjare	7387449990
6	Cochin	Shoaib Sadiq	9833570803
7	Haridwar	Ajay Verma	9719415343
8	Indore	Mukesh Tiwari	8085953115
9	Igatpuri	Shirish Kulkarni	9890447414
10	Jaipur	Shailesh Sonare	9828189899
11	Kolhapur	Prof. Subhash Mane	9822637346
12	Kanchipuram	Ganesh Adiga	8754461814
13	Mumbai City - AD	Abhay Likhite	7738772675
14	Mumbai Sub - FD	Suvrata Gharge	9892513425
15	Mohali - SWARAJ	Vimal Srivastava	7087110080
16	Nagpur	Suhas Patil	9870475223
17	Nashik	Ajay Namjoshi	9730358172
18	New Mumbai	Sandeep Raut	8600043035
19	Rudrapur	Ajit Singh	7060046464
20	Ratnagiri	Sameer Vanjare	7387449990
21	Solapur	Prof. Deepak Bhoge	8605717315
22	Sindhudurg	Sameer Vanjare	7387449990
23	Sawantwadi	Sameer Madaye	9769817773
24	Talegoan	Nagesh Gade	9975066956
25	Zaheerabad	A. Krishnarao	9573046074
26	Bengaluru	Rakesh D R	8722699038
		Prashanth K N	9901401657
27	Pune	Vinay Damodare	
		Vivek Patil	
28	Kutch	Sagar Murugkar	9922277224
29	Delhi	Diksha Jain	9911038745
30	NCR	Saurabh Kumar	9718064200
31	Kurukshetra	Amit Kumar	9812441263
		Narendra Bansal	
32	Chennai	Mr. Muruganandam	9382780536
33	Tiruchendur	(HOD, JPR Institute of	(Mr. Muruganandam)
34	Pondicherry (Puducherry)	Technology) Mr. Vasu	7639512198 (Mr. Vasu)

ORGANIZING COMMITTEE

Designation	Name of The Member
Chairman	Dr. K. C. Vora, ARAI
Co-Chairman	Mr. Lalitkumar Suryawanshi, Cummins
Convener	Mr. Atul Kunte, Eaton
Joint Convener	Mr. Shikher Bhatnagar, Mahindra & Mahindra
Co-Convener	Mr. Nilesh Pathak, John Deere
Event Secretariat Including Communication	Mr. Sagar Murugkar, SAEINDIA Mr. Amey Mhaske, Eaton
Finance	Jayanthi Narayanan, SAEINDIA Mr. B. V. Shamsundara, ARAI N. S. Rao, Maruti Suzuki Mr. Paresh Shitole, SAEINDIA
Venue Management	Mr. Akhand Pratap Singh, Cummins Mr. Vinay Damodare, Eaton
Accommodation	Mr. Ramesh Pasarija, SAEINDIA WS Mr. Mahesh Masurkar, John Deere Mr. Vivekanand Bhamare, Eaton
Marketing	Mr. Subodh Morye, Mahindra & Mahindra Mr. Atul Kunte, Eaton Mr. Alok Jaitley, Maruti Suzuki Mr. Kaustubh Nande, Ansys Mr. Venkatraj, SAEINDIA Mr. Seshadri, SAEINDIA.
PR & Social Media	Ms. Shreeja Nandy, Eaton Ms. Hemisha Raigaga, Mahindra & Mahindra
Guest Management	Mr. P V Sardesai, SAEINDIA WS, Mr. P K Banerjee, SIAM, Mr. Parag Sonawane, Eaton
Printing and Stationery	Mr. Sagar Murugkar, SAEINDIA WS Mr. Paresh Shitole, SAEINDIA WS
Kit Distribution	Mr. Kartik Patel, Ahmedabad Mr. Hardik Saraswadia and Mr. Ritwik Raman, ARAI Academy Mr. Ilangovan, SAEINDIA Mr. Salman Khan, Eaton
Website	Mr. Shikher Bhatnagar, Mahindra & Mahindra Mr. Akash Agarwal, Cummins Mr. Ilangovan, SAEINDIA
Transport, Pick up & drop	Mr. Chandrashikhar Bhore, Eaton Mr. Sanjay Nibandhe, ARAI Mr. Sagar Murugkar, SAEINDIA WS
Event & Stage Management	Mr. Akhand Pratap Singh, Cummins Mr. Vinay Damodare, Eaton Mr. Ritesh Fating, Eaton Mr. Sumukh Deshpande, ARAI
Award Best Jury Best Volunteer, (Teacher, Industry, Student)	Mr. Parag Sonawane, Eaton Mr. Alok Jaitley, Maruti Suzuki Mr. Rajeev Modi, Mahindra & Mahindra Mr. Sanjay Nibandhe, SAEINDIA WS Mr. N P Wagh, SAEINDIA WS Mr. Kannan, TVS
Judges Management Presentation	Mr. Sagar C Patil, Eaton Prof. Sudhir Gupta, ADIT, Gujrat Prof. Subhash Mane, KIT Kolhapur
Technical Committee	Mr. Saurabh Chitnavis, Mahindra & Mahindra Mr. Shailesh Kulkarni, Mahindra & Mahindra Mr. Rahul Gujar, Eaton Mr. Shrikanth Sampath, Eaton
Track & Instrumentation	Mr. Salil Shaikh and his team from John Deere Mr. Haribhau Narote, Eaton
Scoring	Mr. Navnath Dhumal, Eaton Mr. Mahesh Masurkar, John Deere
Gifts, Mementos and T shirts	Mr. Ramesh Pasarija, SAEINDIA WS Mr. Sagar Murugkar, SAEINDIA WS
Cultural Events & Entertainment	Mr. Shikher Bhatnagar, Mahindra & Mahindra Ms. Diksha Chaudhari, Eaton
Registration Committee	Mr. Kiran Patil, Eaton Mr. Amey Mhaske, Eaton Mr. Sagar Murugkar, SAEINDIA WS Mr. Akash Agrawal
Food Committee	Mr. M. K. Chaudhari, SAEINDIA WS Ms. Riddhi Thikan, Cummins Mr. Akash Agarwal, Cummins Mr. Yogesh Patil, Eaton

10th AWIM National Olympics

A WORLD IN MOTION.

Skimmer & Jet Toy Challenges



20th to 22nd January 2018
at Cummins (IOC), Balewadi

34
Cities

88
Teams

352
Students

88
Teachers

SAT 1/20	SUN 1/21	MON 1/22
31°/13°	32°/12°	32°/12°
Sun and some clouds	Sunshine and some clouds	Sunny
Hist. Avg. 30°/12°	Hist. Avg. 30°/12°	Hist. Avg. 30°/12°

Core Committee Members Contact Details

	Name	Mobile No.
Convener	Mr. Atul Kunte, Eaton	9765567063
Joint Convener	Mr. Shikher Bhatnagar, Mahindra & Mahindra	9819086314
Co-Convener	Mr. Nilesh Pathak, John Deere	9158897202
Secretariat	Mr. Sagar Murugkar, SAEINDIA	9922277224
Secretariat	Mr. Amey Mhaske, Eaton	9923455512
Accommodation	Mr. Vivekanand Bhamare, Eaton	7387483224
Transport	Mr. Chandrashekhar Bhore, Eaton	7387100035

ABOUT AWIM

A World In Motion is a administered, volunteer-assisted program that brings Science, Technology, Engineering and Mathematics (STEM) education to life of students. AWIM incorporates the laws of physics, motion, flight and electronics into age-appropriate hands-on activities that reinforce classroom STEM curriculum.

There are two challenges in India for the students, namely, Skimmer Challenge (Grade 5) and JetToy Challenge (Grade 6). The competition includes designing, fabricating and validating the challenge as per specifications. The vehicle would be evaluated for its design, performance accuracy and presentation as specified for different Parameters.

Skimmer Challenge (Grade 5):

Students make paper sailboats that are propelled by fans across the floor. They test the effect of different sail shapes, sizes and construction methods on the performance of their skimmers. The goal of this challenge is to design a set of skimmers that reliably meet specific performance criteria. Friction, forces and effect of surface area are some of the physical phenomena students encounter in this challenge.

JetToy Challenge (Grade 6):

Students make balloon powered toy cars. Their challenge is to design an appealing toy that performs in a specific way, such as travels far, carries weight or goes fast. Students experiment with different chassis 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 students explore in this challenge.

AWIM NATIONAL CHAMPIONS 2017



REWARDS & RECOGNITION

AWIM National Olympics 2017 Proposed Sponsorship

S. No.	Category	Prize Amount (INR)	
		Skimmer	Jet Toy
1	National Overall Winner	10000	20000
2	National 1 st Runner Up	7000	15000
3	National 2 nd Runner Up	5000	10000
4	Winner Maximum Distance	3000	5000
5	Winner Maximum Time	-	5000
6	Winner Turning Ability	3000	-
7	Winner Maximum Speed	3000	5000
8	Winner Maximum Weight	3000	5000
9	Winner Accuracy	3000	5000
10	Winner Team Work	1000	2000
11	Winner Cleanliness	1000	2000
12	Winner Discipline	1000	2000
13	Winner Presentation	1000	2000
14	Winner Aesthetics	1000	2000
15	Winner Sportsmanship	1000	2000
16	Winner Best Vernacular Team	1000	2000
17	Best Teacher	5000	10000
18	Best Student Volunteer	5000	10000
19	Best Industry Volunteer	5000	10000
20	Milestone Award	5000	10000

SCHEDULE

Saturday, 20th January 2018

	Start	End	Activity
Day 1	12.00		Hotel Check In
	12.00	13.00	Registration / Welcome Kit Distribution
	13.00	14.00	Lunch
	14.00	16.15	Rest Time
	16.15	17.00	Departure from Hotel / Arrival at Cummins (IOC)
	17.00	17.45	High Tea
	17.45	19.45	Welcome & technical Briefing
	19.45	21.00	Departure & Dinner at Hotel

Sunday, 21st January 2018

	Start	End	Activity
Day 2	07.00	07.50	Breakfast at Hotel
	08.00	08.30	Arrival at Cummins (IOC)
	08.30	10:00	Inauguration & Welcome Address
	10:00	12:30	Kit Distribution & Fabrication
	12.30	13.30	Students & Event Volunteers Lunch
	13.30	14.30	Other Members Lunch
	13.30	17.30	Track Round & Presentation Round
	17.30	18.00	High tea
	18.00	19.00	Cultural Programs
	19.00	20.30	Valedictory
	20.30	21.30	Dinner
	21.30		Disperse

Monday, 22nd January 2018

	Start	End	Activity
Day 3	07.30	08.30	Breakfast at Hotel
	08.30	09.30	Check out from Hotel
	09.30	13.00	Pune Local Sight Seeing
	12.30	13.00	Packed Lunch (in buses)
	13.00		Departure to Airport / Railway Station

Thank you for your kind support

EATON
Powering Business Worldwide

Cummins

Mahindra
Rise.



JOHN DEERE

TRIM INDIA

ARAI
Progress through Research

Altair

ANSYS

- From each city, the criteria for number of teams to attend National Olympics is as follows:
 - Zero Team of Jet toy and Zero team of Skimmer from all new cities, where AWIM activity has started this year (New city criterion - Less than 5 schools)
 - Team of Jet toy and 1 team of Skimmer from all new cities, where AWIM activity has started this year (New city criterion - 5 or more schools)
 - Zero Team of Jet toy and Zero team of Skimmer from all old cities, where AWIM activity was conducted last year also (Old city criterion – less than 5 schools)
 - Teams of Jet Toy and 1 Team of Skimmer for old cities, where AWIM activity was conducted last year also (Old city criterion – 5 to 9 schools)
 - Teams of Jet Toy and 1 Team of Skimmer for old cities , where AWIM activity was conducted last year also (Old city criterion – 10 or more schools).
- Each team may be accompanied by one teacher and one college volunteer.
- Two hours will be allotted for constructing toys along with the presentation and concept vehicles.
- Teachers are not supposed to interact with students during course of the event. Teacher's feedback session would be arranged during the event.
- Students are not supposed to carry anything with them in fabrication room.
- Only Test Engineers (2) will be permitted in the track area.
- Every team is required to prepare a poster for presentation.
- Teams are not allowed to use any external material for the construction, decoration, preparation and presentation of the concept car in presentation round. However, teams will be allowed to use external material for demonstrating the concept in front of the Judges. E.g. Tub with water, Wooden ramps, Table, Rope, etc., for which they have to inform the organizers before 15 days of the start of event.
- The judge's decision will be final and binding.