



RV Educational Institutions[®]
RV College of Engineering[®]

Autonomous
Institution Affiliated
to Visvesvaraya
Technological
University, Belagavi

Approved by AICTE,
New Delhi

Innovative Clubs Activities

Antariksh



International Astronautical Congress 2022

Team Antariksh marked its presence at the 73rd International Astronautical Congress, 2022 hosted in Paris, France. The team members met industry giants, professors from different institutes, Indian Nationals engaged in national and international institutes, personnel from ISRO and space agencies from other countries. The event saw presence by prominent space industry figures and entrepreneurs such as chairman ISRO, Director of NASA and various other space agencies, including prominent Indian companies such as Skyroot Aerospace. A total of 15 papers were presented in multifarious symposiums.





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Team Ashwa Racing



In 2021, Ashwa Mobility Foundation participated in the virtual season of Formula Hybrid Competition held in New Hampshire Motor Speedway, USA and bagged three international awards- Best Project Management Award, 2nd in Engineering Design and 1st in Overall Performance of the Team.





Participated in Formula Bharat 2022 at Kari Motor Speedway, stood 2nd in business plan, 1st in the engineering design event and 4th overall.

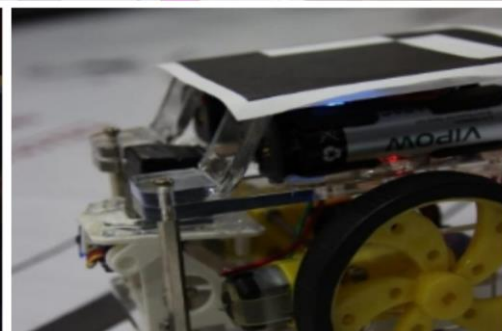


Astra Robotics



PATHFINDERZ: (29 May – 11 June 2022)

As companies and warehouse managers look to streamline their production processes, reduce cost and improve efficiency, the role of robotics and automation in the sector is on the rise. Astra Robotics, RVCE in collaboration with IEEE RAS, RVCE identifies this opportunity and aims to bring the robotics and automation technology to the hands of students across the state of Karnataka. That brings us to a problem that we have solved but looking at ways in which you can innovate.





Ham Club



Antenna Building Workshop 2022:

On May 28, 2022, the RVCE Ham Club organized an inter-college Antenna-Building Workshop that attracted 48 participants. The workshop provided a comprehensive introduction to various aspects of amateur radio, including the basics of antennas, different antenna types, and a focus on the popular Yagi-Uda antenna among Ham operators. The day's highlights included hands-on experience in constructing Yagi-Uda antennas, testing these antennas using handsets, and even a visit to the anechoic chamber at the SASM. The sessions were thoughtfully designed to incorporate interactivity and enjoyable elements to effectively engage the participants.

Notably, all antennas built during the workshop were tested and demonstrated to work accurately at 145 MHz, ensuring practical learning outcomes. The positive response and feedback from the participants underscored the success of the event. Dr. K N Subramanya (Principal, RVCE), Dr. Geetha.K.S (Vice Principal, RVCE), Dr. Usha Rani.K.R (Associate Professor, RVCE), Dr. Mahesh A (Associate Professor, RVCE), and Dr. K S Shushrutha (Associate Professor, RVCE) played pivotal roles in guiding and facilitating the planning and execution of this informative and engaging workshop.





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AEROTHON 2021



JUNE, 2021

OBJECTIVE

The objective was to design a UAV that was capable of delivering essential items like medicines that added up to a minimum of 6 kg.

SUMMARY

The UAV was designed to be fuel-efficient and low-cost to operate, and it was built with ease of manufacture in mind. This was an online design report submission competition.

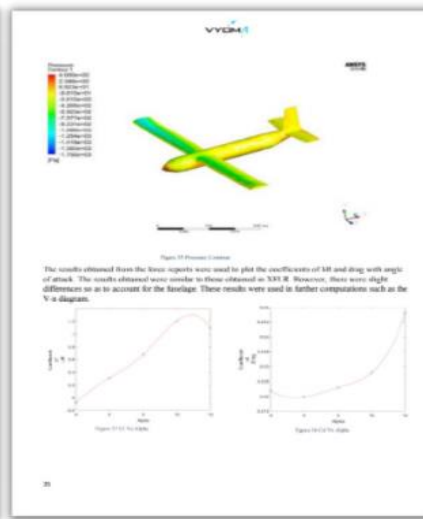
RESULTS

Rank -
Finished 17th out of 71 National Teams.

R V College of Engineering[®] VYOMA[®]
Team Name : Team Vyoma
Team number : 060

SOLARIS

Team members
Basavasagar K Patil
Glen D'Souza
Govardhan K
Jayasurya M
Nrupa Chandra G
Satya Pandya
Ujwal Mirji
Vishal Hebbatu Jagadish



AEROTHON 2021



JUNE, 2021

CERTIFICATE

Team Code	Institute/University/College	Team Name	Total Score (100 Points)	Rank
Aerother 005	KLE Technological University	aeroCLE	97.5	1
Aerother 026	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	97.0	2
Aerother 014	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	96.5	3
Aerother 001	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	96.0	4
Aerother 002	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	95.5	5
Aerother 003	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	95.0	6
Aerother 004	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	94.5	7
Aerother 006	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	94.0	8
Aerother 007	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	93.5	9
Aerother 008	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	93.0	10
Aerother 009	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	92.5	11
Aerother 010	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	92.0	12
Aerother 011	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	91.5	13
Aerother 012	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	91.0	14
Aerother 013	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	90.5	15
Aerother 015	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	90.0	16
Aerother 060	R V College of Engineering	Team Vyoma	68.5	17
Aerother 016	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	89.5	18
Aerother 017	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	89.0	19
Aerother 018	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	88.5	20
Aerother 019	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	88.0	21
Aerother 020	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	87.5	22
Aerother 021	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	87.0	23
Aerother 022	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	86.5	24
Aerother 023	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	86.0	25
Aerother 024	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	85.5	26
Aerother 025	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	85.0	27
Aerother 027	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	84.5	28
Aerother 028	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	84.0	29
Aerother 029	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	83.5	30
Aerother 030	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	83.0	31
Aerother 031	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	82.5	32
Aerother 032	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	82.0	33
Aerother 033	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	81.5	34
Aerother 034	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	81.0	35
Aerother 035	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	80.5	36
Aerother 036	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	80.0	37
Aerother 037	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	79.5	38
Aerother 038	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	79.0	39
Aerother 039	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	78.5	40
Aerother 040	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	78.0	41
Aerother 041	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	77.5	42
Aerother 042	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	77.0	43
Aerother 043	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	76.5	44
Aerother 044	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	76.0	45
Aerother 045	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	75.5	46
Aerother 046	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	75.0	47
Aerother 047	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	74.5	48
Aerother 048	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	74.0	49
Aerother 049	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	73.5	50
Aerother 050	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	73.0	51
Aerother 051	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	72.5	52
Aerother 052	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	72.0	53
Aerother 053	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	71.5	54
Aerother 054	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	71.0	55
Aerother 055	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	70.5	56
Aerother 056	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	70.0	57
Aerother 057	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	69.5	58
Aerother 058	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	69.0	59
Aerother 059	SRM Institute of Science and Technology, Kattankulathur	SRM AIR	68.5	60
Aerother 068	UVC	MECHAIRC	66.0	22
Aerother 017	Siddaganga Institute of Technology	TEAM SOARING EAGLES - I	65.0	23

VISHAL JAGADISH
R V COLLEGE OF ENGINEERING

THIS CERTIFICATE IS PRESENTED IN RECOGNITION OF YOUR PARTICIPATION IN

AEROTHON 2021

VIRTUAL AERO DESIGN CONTEST
YOU HAVE DEMONSTRATED EXEMPLARY TECHNICAL EXPERTISE, DESIGN EXCELLENCE AND TEAM WORK IN THE CONTEST. CONGRATULATIONS FOR A JOB WELL DONE!

Vishal Jagadish
Ravishankar Mysore
CHAIRMAN
AEROSPACE FORUM

Ravi Kumar G. V. V.
Ravi Kumar G. V. V.
CONTESTER
AEROTHON 2021

Venkataram
Venkataram
DEPUTY DIRECTOR GENERAL,
SAE INDIA



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Aerathon 063	RV College of Engineering	Team Vyoma	65.5	20
Aerathon 064	RV College of Engineering	Team Vyoma	64.5	21
Aerathon 065	RV College of Engineering	Team Vyoma	63.5	22
Aerathon 066	Uvce	NECHAIRIC	66.0	22
Aerathon 017	Siddaganga Institute of Technology	TEAM SOARING EAGLES - I	65.0	23



DBF 2022



APRIL, 2022

KANSAS, WICHITA, USA

OBJECTIVE

The objective for this competition was to design, build and test an aircraft to deliver vaccination components.

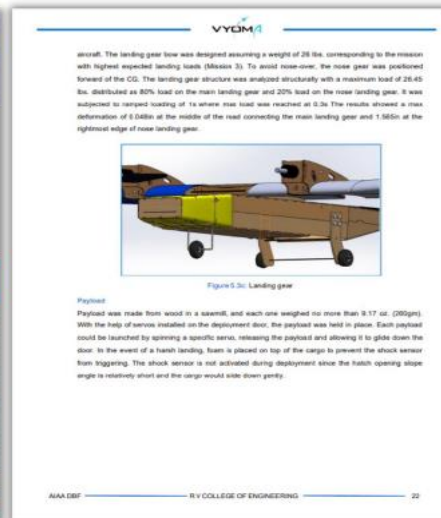
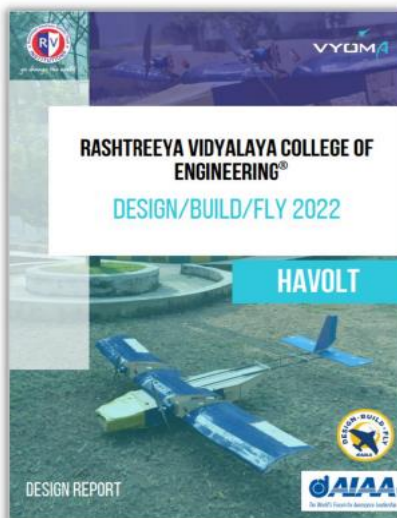
SUMMARY

A final model was built and tested. There was some lag in manufacturing due to the pandemic, leading to a delayed final design report submission.

RESULTS

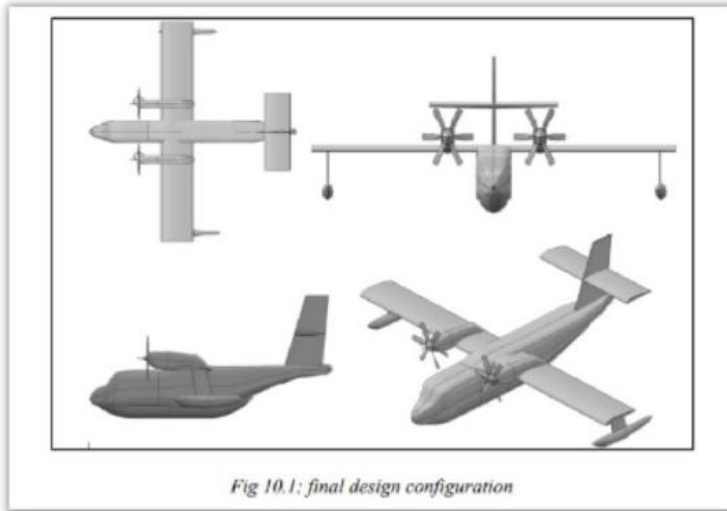
FINAL

Team qualified for the design report round





NACDEC 2021 - 2022



NOVEMBER, 2021

OBJECTIVE

The objective for this competition was to design, build and test a water scooping amphibian aircraft for fire fighting.

CERTIFICATE

