PROPEL LAB-3 AERO BMSCE

RESEARCH AND DEVELOPMENT CENTER

SL NO	YEAR	PROJECT NAME	TEAM NAME	LIST STUDENTS PARTICIPATED & USN, PHONE	INNOVATION	REMARKS	
1	2014	SAE International Aero Design West 2014 Held at USA 2014	Team Yaksha	1.Achytu Rodam 2.Sheshashain 3.Viswas sethu	Design and Developed an RC airplane which can lift a payload of 0.4	Built with composite materials	BMSCE
2	2015	SAE International Aero Design West, Los Angeles, USA 2015	Team Yaksha	1.Adarsh Borka 2.Abhishek 3.Shashider	Design and Developed an RC airplane which can lift a payload of 0.5	Built with composite materials	BMSCE
3	2016	SAE International Aero west, Van Nuys, California, USA 2016	Team Yaksha	1.Myron 2.Sahitya			BMSCE
4	2016	3D printing Quad copter	Phase shift 2016	1.Gandharva 2.Balsubramanya 3.Amongvash	3D printing		BMSCE
5	2016	VTOL		1.Gandharva 2.Inderjeeth 3.Srinath	VTOL		BMSCE
6	2016	Circular fuse large	Circular fuse large	1.Gandharva 2.Srinath	Reduce the drag		BMSCE

7	2016	Thrust Measuring Meter		1.Srinath 2.Ghandarva	To measure precision of thrust	With balsa wood Light Wight	BMSCE
8	2017	SAE International East Aero Design, California, USA 2017	Team Yaksha	1.Tejas (1BM14ME183)			BMSCE
9	2017	OP RAHAT drone competition, IIT BOMBAY		**Team 1** 1.Fran 2.Chetan 3.Akhil 4.Nishant **Team 2** 1.Amrutha 2.Akshit 3.Pavan 4.Gladwin	Must be able to scan a QR code and read the number from it and drop a payload at given spot.		BMSCE
10	2017	Boeing National Aero modelling competition IIT BOMBAY		**Team 1** 1.Parth 2.Pavas 3.Prajwal 4.Prajwal haritsa **Team 2** 1.Shrihari.Rl 2.Samrath 3.Pratith **Team 3** 1. Arjun singh 2. Shivasharanappa 3. Sourav 4.Bhaktraj	Learn to maximise the efficiency of a gliding rc controlled aircraft and improving the manual piloting skills of the students.	Built with Depron sheet, durable build rc aircraft.	BMSCE

11	2017	Quad Copter for Aerial shoot	Phase shift 2017	1.Fran 2.Chetan	3D printed frame		BMSCE
12	2017	Manovegam Aero championship-2017		1.Adarsh 2.Azad 3.Vishak 4.Srihari	3D printing		BMSCE
13	2017	Sae India		1.Vishak 2.Adarsh 3.Azad 4.Vishak 5.Srihari			BMSCE
14	2017	Boeing Aero modelling IIT Kanpur	TECHKRITI	1.Azad 2.Srihari	1.We are fabricating Depron foam 2.RC Aircraft with Thrust weight ratio less than 0.75 3.Drop an object inside a circle of specified diameter in flight on 23^{rd} -26^{th} march 2017		BMSCE
15	2017	Boeing Aero Modelling IIT Madras		1.Azad 2.Srihari	To Build and fly an RC aircraft with Thrust weight ratio less than 0.75 and drop an object inside a circle of specified diameter in flight, the team which Participated consisted of 1^{st} and 2^{nd} year students and it was placed 7^{th} out of 45		BMSCE

					teamsFirst time in Aero Space BMSCE full Foam plan was constructed.		
16	2018	Sae international Aero Design East, Lake land, Florida, USA.	Team Yaksha	1.Skanda 2.Bhakthraj 3.Adarsh 4.Deberjeet 5.Nelson			BMSCE
17	2018	Sae India 3rd aero design challenge	Blue Impulse	1.Suhas R 2.Shrihari R 3.Aasha RS 3.Vishak 5.Rajesh R 6.Prajwal K 7. Adarsh	Usage of 3D printed parts	Fuselage plus boom design 1m wingspan Payload capacity of 700g	BMSCE
18	2018	Design And Development of VTOL Based Aerial Vehicle		1.G.Balaji 2.Ganesh Hegde	Highest payload weight per unit of vehicle volume		BMSCE
19	2018	Autonomous Navigation Quad copter		1.Harish P Jain (1BM14ME050) 2.Alvin P C 3.Akshay G R 4.Akshay H R	Any payload upto 700 \gs Easy to tune Complete autonomous		BMSCE
20	2018	Proto type depron Glider design		1.Srikanth V K (1BM17IM045) 2.Shrivatsa (1BM17ME148) 3.Chashank Bhat (1BM17ME148) 4.Shasan 5.Shrihari R			BMSCE

				Malolan C V M			
21	2018	Thrust measuring meter with balasa wood		1.Shshank 2.srineevas	Balsa wood,743		BMSCE
22	2018	SAE India proto type plane		1.yoganidhi 2.shrihari 3.aasha 4.pratith shenai 5.prajwal	Pay load1.2kg		BMSCE
23	2018	Balsa wood plane		1.bhaktaraj 2.prajwal shetty 3.prashanth masthi 4.preetham	Pay load 1.4kg		Students
24	2019	Cardboard plane		1.divyam 2.parth	For flying		BMSCE
25	2019	SAE India IIT madras (May-2019)		1.srivatsa 2.prathit shenai 3. shrihari 4. skanda 5. aasha 6. malolan			BMSCE
26	2019	Technoxian Quadcopter Challenge 22nd to 25th september		1.Nikhil 2.Shreya 3.Rohit 4.Ananya 5.Dheeraj	Quadcopter challenge		Tequip-3
27	2020	SAE INDIA AERO DESIGN CHALLENGE 2020 Chennai		1.srivatsa 2.prathit shenai 3. shrihari 4. skanda 5. aasha	Pay load 1.4kg	First prize over all One lakh only	BMSCE

				6. malolan			
28	2020	SAE international aero design west 2020 Fort worth, Texas, USA	Team Yaksha	Team Members: 1. Shreya S Khanapur 2. Shrivatsa Upadhyaya 3. Shrivathsa M S 4. Mohit S Sarode 5. Rohith J 6. Nandigam Sai Pavan 7. Akshay Prasad 8. Vihar 9. Vijayshekar Besta 10. Narasimha Teja Reddy 11. Aditya R 12. Mohammed Junaid Ahmed 13. Vishwanath M Guled		RANK 10 Presentation standings RANK 8 Design standings	BMSCE
29	2021	SAE INDIA AEAO DESIGN CHALLENGE AUG 2021	BLUE IMPULSE	Team Members: 1. Shreya S Khanapur 2. Mohammed Junaid Ahmed 3. Mohit S Sarode 4. Vihar 5. Vijayshekar Besta 6. Mohit Raj Bhurat 7. Krithi M S 8. Rajath K T 9. Adithya Sayee Ganesh 10. G Shashank Gowda		3^{RD} place Fabrication report	BMSCE

				11. Sagar Naidu P 12. KM Sanjana			
30	21-22	Hybrid EVTOL with three rotors Design and Development		1. Rohith J 2. Shashank H K 3. Harsha R 4. Hrithik	Design of a hybrid eVTOL system which is a combination of multirotor and fixed wing aircraft with autonomous capabilities.		BMSCE
31	21-22	Study on quadcopter and tricopter stability	Aerospace 4th year	1. Shreya S Khanapur 2. Prottush 3. Chaitanya 4. Sushmitha	Study on quadcopter and tricopter stability		BMSCE
32	21-22	SAE INTERNATIONAL AERO DESIGN CHALLENGE AUG 2022	BLUE IMPULSE	1. G Shashank Gowda 2. Adithya sayee ganesh 3. Sreesha HS Keshava 4. Shreya S 5. Chandana G 6. Komal Prasad 7. Vipul		RANK 9 - Overall	BMSCE
33	21-22	Prototype For SAEISS ADC		1. G Shashank Gowda 2. Adithya sayee ganesh 3. Sreesha HS Keshava 4. Ullas K	Material - combination of Foam-Board and Coro-plast. Replaceable Motor-mount		BMSCE

33	21-22	Prototype For AeroTHON		1. G Shashank Gowda 2. Adithya sayee ganesh 3. Sreesha HS Keshava			
34	21-22	Fabrication of Vtol Aircraft	aerospace 4th year	1. Shreya 2. Prottush 3. Sushmitha 4. Chaitanya	VTOL BWB UAV		BMSCE
35	2022	One week hands on workshop FABRICATION OF GLIDER	under dept of mechanical engineering association	from 06/6/2022 to 10/6/2022	glider		BMSCE
36	2022	Participated and Secured 3rd South India Exhibition At Kalpataru Institute of technology, Tiptur, karnataka		1.Rohit	Secured 2nd prize 15K money		BMSCE
37	2022	Attend AeroTHON 2022 Presentation	Flying Phantoms	1.Shashank 2.Adithya 3.Sreesha 4.Alwin 5.Ujwal 6.Ram Naresh 7.Bhuvan 8.Bhargav	selected 19 th place		
38	2022	Participated in Techfest, IIT Bombay		5. Shreya 6. Prottush 7. Sushmitha 8. Chaitanya	Secured 4th place		BMSCE

39	2022	SAEISS ADC 2022 (1.09.2022 - 3.9.2022)	BLUE IMPULSE	1.Shashank 2.Adithya 3.Sreesha 4.Tarun 5.Bhuvan 6.Chandana 7.Ullas	secured air 8th place in microclass		
40	2022	5TH INDIA MANUFACTURING SHOW 15,16,17SEP20222	BIEC bangalore international exhibition center	1.rohit & team	VTU VC DR.KARISIDDAPPA	 	
41	2022	SAE INDIA AeroTHON (3rd AIR)	FLYING PHANTOMS	1. Adithya 2. Shashank 3. Sreesha 4. Alwin 5. Ujwal 6. Ram Naresh 7. Bhuvan 8. Bhargav	SJCIT Bangalore		
42	2022	SAE INTERNATIONAL PROTOTYPE-1 (NOV 2022)	TEAM YAKSHA	1.adithya 2.shashank 3.sreesha 4.chandana 5.bhuvan.s 6.Ajheyasimha 7.yash 8.aayush	first prototype tested flight successful minor damage		

				9.Shreecharan 10. Shashwat Dubey			
43	2022	SAE INIDA DDC Workshop (Dec 2022)	Team Blue Impluse	1.Tarun Venkatesh 2. ShreeCharan 3. Shashwat Dubey 4. Yash Mehendale 5. Ajheyasimha C H	Workshop - Modelling Flight Simulation Flight Test		
43	2023	Boeing IIT shaastra (Jan 2023)	Team Blazing Mavericks	1.Aayush C N 2.Ajheyasimha CH 3.Bhuvan S 4. Shreecharan Bhat	Made a prototype to carry a high payload fraction. Prototype tested.		
44	2023	Boeing AeroModelling Challenge (Shaastra - IIT Madras)	Team SONIC FLARES	1. Chandana G 2. Adithya Sayee Ganesh 3. G Shashank Gowda 4. Sreesha HS Keshava			
44	2023	Glider work shop 30/JAN/2023		1.adithya 2.shashank 3.sreesha 4.chandana 5.bhuvan.s 6.Ajheyasimha 7.yash 8.aayush 9.Shreecharan			

				10. Shashwat Dubey			
45	2023	SAE INTERNATIONAL ADC WEST - 2023 (April - 14-17) (Fort Worth, Texas)	Team YAKSHA	1.adithya 2.shashank 3.sreesha 4.chandana 5.bhuvan.s 6.ajheyasimha 7.yash 8.aayush 9.Shreecharan 10. Shashwat Dubey 11. Ujwal 12. Ullas 13. Ram Naresh	12th Rank		
46	2023	Orientation for Juniors (7 days, 01.08.23 -13.08.23)	AeroBMSCE Club members.	1.adithya 2.shashank 3.sreesha 4.chandana 5.bhuvan.s 6.ajheyasimha 9.Shreecharan 12. Ullas 13. Ram Naresh	UAV design process will be explained.		
47	2023	Drone Development Challenge 2023(SAE INDIA) (21st-23rd JULY 2023	Aero BMSCE2023		20th overall regular class		

48	2023	Drone Competition 2023 Organized by (under the aegis of the Aerospace Engineering Division)(31st august 2023)	Aero BMSCE				
49	2023	CSIR-NAL is organizing the One Week One Lab (OWOL) programme from 19-24 September, 2023 **Skill Development Academia Connect programme**	Aero BMSCE	1.Aayush C Naik 1BM20ME001 Mechanical Engineering 2.Ajheyasimha C H 1BM20ME008 Mechanical Engineering 3.Bhuvan S 1BM20ME032 Mechanical Engineering Shree 4.Charan Bhat K L 1BM20AS047 Aerospace Engineering 5.Tarun Venkatesh 1BM20ME169 Mechanical Engineering Yash Sandeep 6.Mehendale 1BM20ME187 Mechanical Engineering 7.Veerkumar R K 1BM22AS067 Aerospace Engineering 8.Kushagra Patel 1BM22AS023 Aerospace Engineering 9.Amulya K M 1BM22EC036 Electronics & Communication Annapoorna 1BM22EE009 Electrical and Electronics			
50	14,15 NOV2023	Drone Dimonstration (phase shift) workshop	Aerobmsce collaboration with SpaceGeeks		They demonstrated there miniature sized drones and explained the process involved in building them, and gave a hands on experience of flying a drone.		
51	19-21 JAN 2024	Boing Aeromodelling competition	from dept. of Aerospace	Manjunath Nagur 1BM21AS032 Akarsh V Reddy 1BM21AS005 Aditya Mallya 1BM21AS003	The model is a wingbody configuration and it is swiped back wing		

52	19-21 Jan 2024	Boeing IIT shaastra Aeromodelling Competition	from dept. of aerospace	Prakash - 1bm21as039 Vivek kashyap H R - 1bm21as060 satish - 1bm21as047	The plane wing is made up of balsa wood and body with the depron.		
53	APRIL 2024	E-Yantra robotics competition	Electronics and communication	Karthik B B Hrudayesh Bhaskara Manjunath D Darshan M	chassis for the bot which will be used in competition was laser cut on acrylic from the given dxf file		
54	Feb 2024	Tensile test coupons 250*25mm	Mech. Dept.	Vikas B. G.	Mechanical property analysis of Natural composite		