

DEPARTMENT OF MECHANICAL ENGINEERING

Event Name: ALTURA - A Tower Building Competition (Technical) & IPL auction (Non- Technical)

Date: 4.10.24

Venue: BSACIST, MS Block (I Floor) -Technical & Seminar Hall (Non-Technical)

Host: ASME Student Section, Department of Mechanical Engineering, BSACIST, Chennai

Introduction & Inauguration:

The ASME student Section, Department of Mechanical Engineering, B S Abdur Rahman Crescent Institute of Science and Technology, Chennai hosted an electrifying ALTURA - A Tower Building Competition & IPL auction, showcasing the ingenuity and talent of young engineers and enthusiasts, held at Mechanical Sciences Block (Seminar hall III floor) on 4.10.2024. The event brought together students from various departments to compete in a thrilling display of technological innovation and racing prowess. The event was inaugurated by our Dr. H Siddhi Jailani/Dean (SMS) and Dr. A.S. Selvakumar/HoD (Mech).

The objective of the Tower Building Challenge was to encourage teamwork, creativity, and Engineering skills among participants by constructing the tallest free-standing tower using only chopsticks and ice sticks.

List of Participants:

Name	RRN No	Branch	Year
MAHBOOB MAZEN	220041601026	B.Tech EEE	III

THANEES	220041601041	B.Tech EEE	III
NOOHU NUSAIR	221371601035	BSc Computer Science	III
NAINA SAHIB VMTM	220041601049	B.Tech EEE	III
KOWSHIKA.T	230021601017	B.Tech Mech	II
SATHICK	230021601040	B.Tech Mech	II
MUNEEB	230021601021	B.Tech Mech	II
SAKTHI NARAYANAN	230021601039	B.Tech Mech	II
SAKTHI KUMARAN K	220021602022	B.Tech Mech	III
MOHAMMED RIYAZ .J	220021602018	B.Tech Mech	III
SIDHARTH G	220021602026	B.Tech Mech	III
SANTHOSH M	220021602023	B.Tech Mech	III
YUVAN SHANKAR	220021601067	B.Tech Mech	III
MOHAMMED TAQEE	220021601043	B.Tech Mech	III
SYED MOHAMMAD IRFAN	220021601061	B.Tech Mech	III
SYED MOINUDEEN	220021601062	B.Tech Mech	III
DANUSH	230021601011	B.Tech Mech	II
AKIF	230021601004	B.Tech Mech	II
GHANI	230021601001	B.Tech Mech	II
AJMAL	230021601003	B.Tech Mech	II
ABHINAYA K	220091601004	B.Tech Mech	III
HARI SHREE CHARAN H	220091601011	B.Tech Mech	III
BHAVANI T	220091601010	B.Tech Mech	III
RAZIA SULTANA S	220091601022	B.Tech Aero	III
IRFAN ALI AMEENUDEEN	220121601002	B.Tech Auto	III
SABIH SIKKANDER	220121601007	B.Tech Auto	III
YASHWANTH BALAJI	220121601010	B.Tech Auto	III
GOPI	220121602002	B.Tech Auto	III

HISHAM FAHIL.H	240181601015	B.Tech Security Cyber	I
SYED SIKKANDAR.A	240181601057	B.Tech Security Cyber	I
PRAVEEN RAJ. S	240021601043	B.Tech Mech	I
MUHAMMED NAFEEES	240061601021	B.Tech EIE	I
MOHAMMED JASIR	220021601031	B.Tech Mech	III
MOHAMMED LUKMANUL HAKKIM H	220021601033	B.Tech Mech	III
MANOJ V	220021601027	B.Tech Mech	III
MAHENDRA D	220021601026	B.Tech Mech	III
T SELVA DARSHAN	220021601051	B.Tech Mech	III
J MOHAMMED SHAFEEQ	220021601041	B.Tech Mech	III
VIKASH V.S	220021601065	B.Tech Mech	III
NARESH R	220021602019	B.Tech Mech	III
MOHAMMED ARSHAD	240051601091	B.Tech ECE-B	I
RAJIV RAAM	240051601106	B.Tech ECE-B	I
PRAJIT E ANTO P	240051601103	B.Tech ECE-B	I
ROHAN.A	230191601047	B.Tech CSE (IOT)	II
SAPTHAGIRI	230191601047	B.Tech CSE (IOT)	II
HARSHAD AHAMED	230191601013	B.Tech CSE (IOT)	II
VENKATESHWARAN	230191601058	B.Tech CSE (IOT)	II
MOHAMED SHAMEEM S	240181601033	B.Tech Security Cyber	I
TAMIMUL ANSARI M	240181601059	B.Tech Security Cyber	I
ABDUL HAADY	240181601077	B.Tech Security Cyber	I
SHAIK. ANAS BIN MALIK	240181601050	B.Tech Security Cyber	I
CHANDRAMOULI NJ	221371601010	BSc Computer Science	III

VISHAAL SM	221371601059	BSc Computer Science	III
JOHNSON EMMANUEL RAJ	221371601022	BSc Computer Science	III
MOHAMED FAIZHEESHA SM	221371601027	BSc Computer Science	III
PIOUS	220191601022	B.Tech CSE(IOT)	III
MATHANKUMAR	220191601032	B.Tech CSE(IOT)	III
RAKESH	220191601047	B.Tech CSE	III
HARIPRASAD M	220171601029	B.Tech AIDS	III
RAFIUDEEN	220061601019	B. Tech EIE	III
MOHAMED IRFAN S	220181601022	BTech Cyber Security	III
AKMAL MOHAMED M	220071601025	B.Tech CSE A	III
VINAY KUMAR	240051601121	B.Tech ECE	I
S.AYYAN RAJ KUMAR	240051601115	B.Tech ECE	I

The welcome speech given by the event organizers and the rules and objectives explained to the participants. Participants were divided into teams of five, each provided with 100 chopsticks and 50 ice sticks. The event began with a brief introduction to basic engineering principles, followed by a demonstration of various building techniques. The teams brainstormed with their members and developed their tower designs. Each and every participant actively collaborated, communicating their ideas and strategies. Towers were judged based on height, stability, and creativity. Also weight carrying capacity checks ensured that structures were secure and stood independently. Each team presented their tower, explaining their design process and challenges faced. Judges measured each tower and scored based on the established criteria. Most Stable Tower from teams were identified as final selections.



Event Inauguration



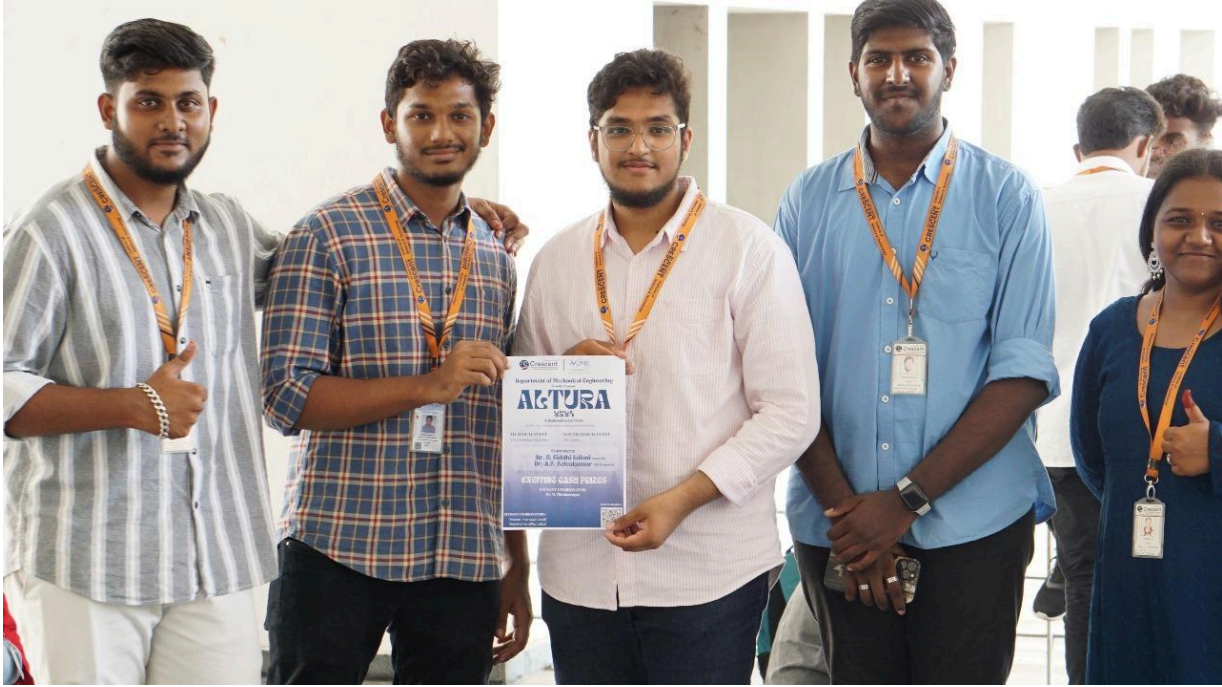
Inaugural Address



Brief introduction and presentation by Mr. Fouzan and Mr. Muhsin



Design calculations by the participants



Design inspections by the Judges



Built towers (Designed by participants)



Team work

Non-Technical Event :

Event Name : IPL Auction

The IPL auction is based on the real auction of the IPL which is conducted every year before the IPL. The basic idea of the auction is to buy the players by bargaining between the team owners in some amount of digital money.



Photos of Non Technical Event

Winners and Awards:

At the conclusion of the event, awards were presented to the top-performing teams in various categories, including weight carrying capacity, Design, Dimension, Innovation, and overall performance. These awards recognized the hard work, dedication, and creativity of the students, motivating them to continue exploring the exciting world of hovercraft technology.

Technical Event:

Serial No.	Team Name	Name	Department	RRN:	Year	Rank
1	Crab	Abinaya K	B-Tech	220091601004	III	1st
		Hari Shree Charan H	Aeronautical	220091601011		
		Bhavani T		220091601010		
		Razia Sultana S		220091601022		
2	Beta Buddies	Santhosh M	B Tech	220021602023	III	2nd
		Sakthi Kumaran K	Mechanical	220021602022		
		Mohammed riyaz .j		220021602018		
		Sidharth G		220021602026		
3	Team X	Kowshika.T	B. Tech	230021601017	II	3rd
		Sathick	mechanical	230021601040		
		Muneeb		230021601021		
		Sakthinarayanan		230021601039		

Non-Technical Winners:

Serial No.	Team Name	Name	Department	RRN:	Year	Rank
1	IOT Crusherzz	Rohan.A	B. Tech CSE(IOT)	23019160104 7	II	1st
		Sapthagiri		23019160104 7		
		Harshad ahamed		23019160101 3		
		Venkateshwaran		23019160105 8		
2	Team Silence	Chandramouli NJ	BSc CS, Dept of computer application s	22137160101 0	III	2nd
		Vishaal SM		22137160105 9		
		Johnson Emmanuel Raj		22137160102 2		
		Mohamed Faizheesha SM		22137160102 7		
3	Team Strickers	MOHAMMED JASIR	B. Tech Mechanical	22002160103 1	III	3rd
		MOHAMMED LUKMANUL HAKKIM H		22002160103 3		
		MANOJ V		22002160102 7		
		MAHENDRA D		22002160102 6		

The Tower Building Challenge successfully met its objectives, promoting teamwork and engineering principles among young participants. Future events may consider including additional materials or themes to further engage creativity.