

American Society of Mechanical Engineers (ASME)

MBCET Chapter

Annual Report (2025-2026)

Faculty Co-ordinator

Dr. Jishnu Chandran R. (Jan 2025- Present)

ASME Professional Member

Membership Id: 22070803103

Dr. Jishnu Chandran R., is Assistant Professor at the Dept. of Mechanical Engineering, Mar Baselios College of Engineering and Technology, Thiruvananthapuram. He has three years of Post-Doctoral research experience at the Vellore Institute of Technology. He received his doctoral degree from the Indian Institute of Space Science and Technology in Mechanical Engineering with specialization in Computational Fluid Dynamics. He completed his M-Tech in Thermal Sciences from NIT Calicut and B-Tech is in Mechanical Engineering from the Mar Baselios college of Engineering and Technology, Thiruvananthapuram (University of Kerala). His areas of expertise are in Computational Fluid Dynamics, Thermal and Fluids, Thermodynamic modelling, and Multi-phase flows, etc. His major research areas are CFD Solver development for complex flow systems, Transcritical CO₂ Refrigeration, Two-phase ejector flows, Transient and Compressible flows, Engineering systems for Sustainable development, etc. He has published around 14 SCI/Scopus indexed papers in reputed international journals, along with 5 conference papers and 3 Scopus-indexed book-chapters. He has also carried out one-year Master's internship project at the Vikram Sarabhai Space Centre, Thiruvananthapuram. He is a life member of ISTE and also serve as reviewer for esteemed journals such as Physics of Fluids, Journal of Mechanical Science and Technology.

ASME Student Members List

SI No.	Student name	Registration No.	Batch
1	DHRUVA NANDAN V S	B24ME1127	S2 ME1
2	AKSHAY A	B24ME1111	S2 ME1
3	AKSHAY V S	B24ME1113	S2 ME1
4	MOHAMMED AFFAN A	B24ME1138	S2 ME1
5	R NANDANA KRISHNA	B24ME1144	S2 ME1
6	DHANWANTH KRISHNA D	B24ME1125	S2 ME1
7	FAHAD BIN SHAMNAD	B24ME1128	S2 ME1
8	AMALNADH S NAIR	B24ME1117	S2 ME1
9	ANURUDH G	B24ME1118	S2 ME1
10	MELKHA REJI THARAKAN	B24ME1137	S2 ME1
11	MEERA R NAIR	B24ME1136	S2 ME1
12	AGNALO LEE SILVESTER	B24ME1214	S2 ME2
13	GOVIND SHAJI RESHMI	B24ME1224	S2 ME2
14	ADITYA R S	B24ME1213	S2 ME2
15	NAYAN P KRISHNA	B24ME1234	S2 ME2
16	ABHAYA SAIJU	B24ME1203	S2 ME2
17	DEVANANDAN P UNNITHAN	B24ME1222	S2 ME2
18	ANTONY VIJAY	B24ME1219	S2 ME2

ASME MBCET Chapter Activities (2024-2025)

1. **23 non-first year students** enrolled as **ASME Student members** on **Dec 8, 2025**.

2. **ASME EXECOM 2025-26** is formed with the following roles and responsibilities.
Faculty advisor: Dr. Jishnu Chandran R
Chairperson: J S Hemand
Vice-chair person: Gowri R G
Secretary: Nandagopal H
Treasurer: Bavya S Biju
Technical Head: Antony Vijay
Creative Head: V S Sabarinath
Media Head: Sreehari Jayanth
Organising committee Head: Anurudh G
Executive Members: Akshay A, Niranjana M, Akshay V, Dhanwanth Krishna D, Dharmik Ram D, Nadha shine, Abhi Laxmi.
Date: 8th Oct 2025. **Venue:** Seminar Hall, MED, MBCET.

3. The ASME MBCET Chapter in association with the TrEST Research Park, Kerala Startup Mission organized an **Industry expert session on 'Emerging Defence Technologies: Opportunities'** on 5th August 2025, at the Visveswaraya Hall of MBCET. Prof (Dr.) Rajasree M. S., the CEO of TrEST Research Park and Mr. Bobin Saji George, Tech Lead, EV, from TrEST Research Park graced the event with their presence. Commander (Dr) Jayakrishnan N Nair (Retd, Indian Naval Officer) with 25+ years of operational and administrative experience in the Indian Navy and Armed Forces, was the resource person for the session. The session had over 150 internal participants including students, faculty, and alumni from MBCET, and around 10 participants each from industry and other academic institutes. The session highlighted the vast research possibilities and opportunities for startups in the Indian Defence Industry and Defence Research sectors.

4. Organized a two-day **Autodesk certified CAD Workshop on Autodesk Fusion 360** for UG mechanical Engineering students. The workshop was jointly organized by the ASME MBCET chapter, ISTE MBCET chapter, and Automata, in association with InterCad Systems Pvt. Ltd. Date: Jan 10th and 11th, 2026. Venue: Software Labs, C-Block, MBCET. Around 82 UG students spanning different branches participated in the two-day workshop.

Expert Talk on 'Emerging Defence Technologies: Opportunities'

The ASME MBCET Chapter in association with the TrEST Research Park, Kerala Startup Mission organized an Industry expert session on 'Emerging Defence Technologies: Opportunities' on 5th August 2025, at the Visveswaraya Hall of MBCET. Prof (Dr.) Rajasree M. S., the CEO of TrEST Research Park and Mr. Bobin Saji George, Tech Lead, EV, from TrEST Research Park graced the event with their presence. Commander (Dr) Jayakrishnan N Nair (Retd, Indian Naval Officer) with 25+ years of operational and administrative experience in the Indian Navy and Armed Forces, was the resource person for the session. The session had over 150 internal participants including students, faculty, and alumni from MBCET, and around 10 participants each from industry and other academic institutes. The session highlighted the vast research possibilities and opportunities for startups in the Indian Defence Industry and Defence Research sectors.

Event Brochure

KERALA STARTUP MISSION **TrEST** **MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY AUTONOMOUS** **ASME** SETTING THE STANDARD MBCET CHAPTER

EMERGING DEFENCE TECHNOLOGIES: OPPORTUNITIES

Organised by TrEST Research Park

TIME
10:15 AM

DATE
AUGUST 05, 2025

PLACE
MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY, THIRUVANANTHAPURAM

DRaS **Spotlight Speaker**
Commander (Dr.) Jayakrishnan N Nair
(Retd), Indian Navy
CEO and Founder of Defence Research and Studies

SCAN TO REGISTER
[HTTPS://TINYURL.COM/BDPCEMDE](https://tinyurl.com/BDPCEMDE)








Thiruvananthapuram, Kerala, India

Civil Block, Thattinakam, Thiruvananthapuram, Kerala 695015, India

Lat 8.547561° Long 76.938141°
05/08/2025 11:05 AM GMT +05:30

 **GPS Map Camera**

Autodesk Certified Fusion 360 CAD Workshop

Organized a two-day Autodesk certified CAD Workshop on Autodesk Fusion 360 for UG mechanical Engineering students. The workshop was jointly organized by the ASME MBCET chapter, ISTE MBCET chapter, and Automata, in association with InterCAD Systems Pvt. Ltd. Date: Jan 10th and 11th, 2026. Venue: Software Labs, C-Block, MBCET. Around 82 UG students spanning different branches participated in the two-day workshop.

Workshop Brochure

MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

ISTE

ASME
NATIONAL SOCIETY OF MECHANICAL ENGINEERS
MBCET CHAPTER

interCAD
ISO 9001:2015 Certified Company

AUTOMATA

ISTE ANNUAL STUDENT STATE CONVENTION 2026
In Association
ASME, MBCET Chapter and AUTOMATA
InterCAD Systems Pvt. Ltd.
Center for Professional Development and Lifelong Learning

FUSION 360

CAD WORKSHOP

CERTIFIED BY
AUTODESK

DATE : 10 - 11 JANUARY 2026
VENUE: MBCET CAMPUS

HANDS-ON TRAINING FOR ALL PARTICIPANTS

**REGISTRATION LIMITED TO
80 PARTICIPANTS**

**REGISTRATION FEES:
RS. 1200**

Program Coordinators:
Dr. Jishnu Chandran R.
Mr. Vishwabala P.

REGISTER NOW

For Enquiries
+91 9447929116 | jishnuchandran.r@mbcet.ac.in

Workshop Syllabus



Syllabus for Autodesk Fusion (10 Hrs)

DAY 1

Introduction to Fusion

- Overview of Fusion and its interface.
- File management and project creation.
- Work environment settings.
- Concept of parametric modeling.

Sketching Essentials

- Understanding sketch planes.
- Creating and editing 2D sketches.
- Geometric and dimensional constraints.
- Tools: Line, Circle, Arc, Rectangle and Spline.
- Advanced sketch tools: Trim, Offset, Fillet and Chamfer.

Part Modeling

- Creating basic 3D models (Extrude, Revolve, Loft, Sweep).
- Modifying parts using Fillet, Chamfer, Shell etc.
- Patterning (Rectangular, Circular and Mirror).
- Other Work Features.

DAY 2

Assembly Modeling

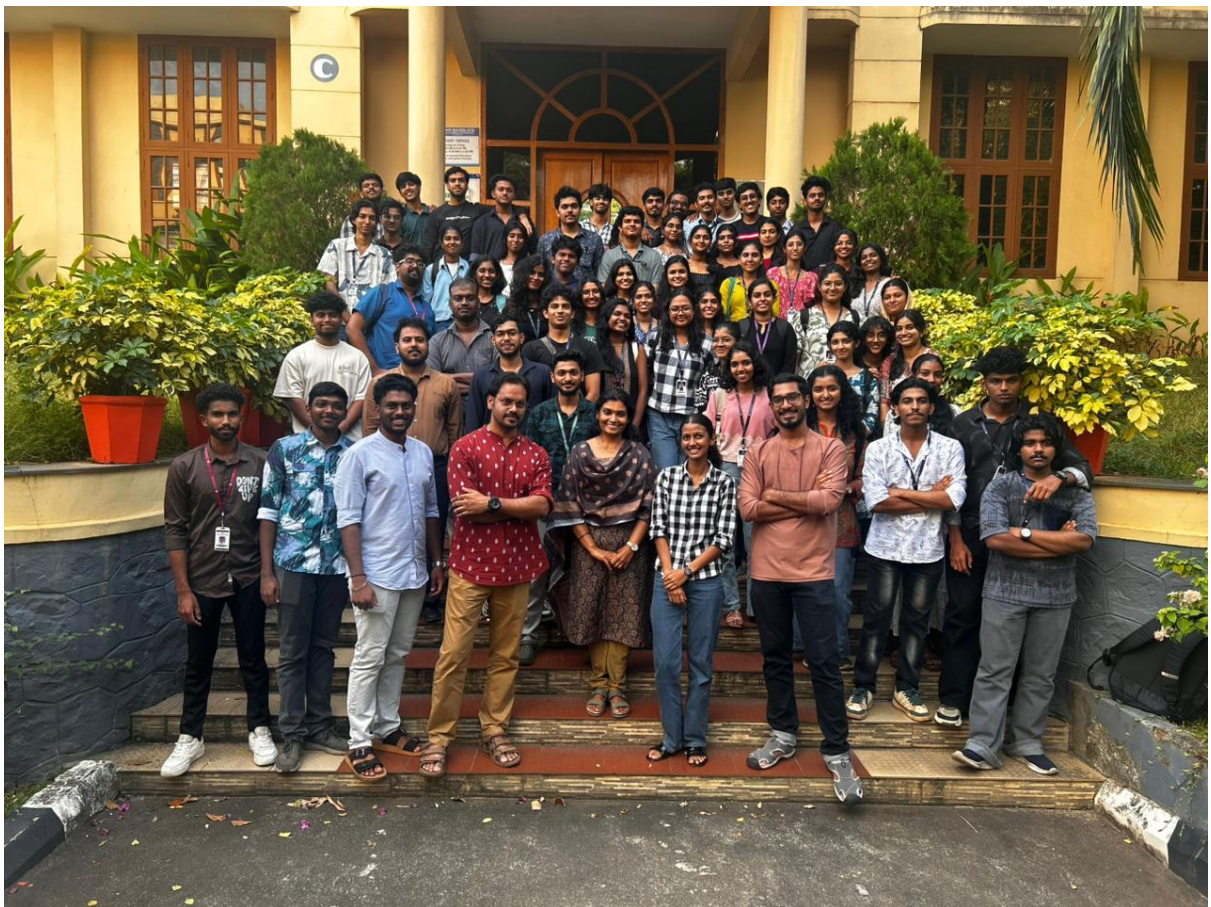
- Creating assemblies.
- Adding components and managing relationships.
- Constraints.

Drawing and Documentation

- Creating 2D drawings from 3D models.
- Adding annotations, dimensions and notes.
- Rendering.
- Animation.

CAD Workshop Images





Attendance Sheet

FUSION 360 CAD WORKSHOP (JAN 10 - JAN 11)

Attendance Sheet

SI NO.	NAMES	10-01-2026	10-01-2026	11-01-2026	11-01-2026
		Forenoon	Afternoon	Forenoon	Afternoon
1	Ashish Kilithattil Mathew	<i>AK</i>	<i>AK</i>	<i>AK</i>	<i>AK</i>
2	Nashlie Mary Ajith	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>
3	Sukrulha S	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>
4	SURYA KIRAN A	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>
5	VIJAYAATHEESH T	<i>VT</i>	<i>VT</i>	<i>VT</i>	<i>VT</i>
6	Aimiah Najna Najeeb	<i>AN</i>	<i>AN</i>	<i>AN</i>	<i>AN</i>
7	Jagan Saju	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
8	Chris George Kuruvilla	<i>CG</i>	<i>CG</i>	<i>CG</i>	<i>CG</i>
9	Abhirami D S	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
10	Amit Mathew Thomas	<i>AM</i>	<i>AM</i>	<i>AM</i>	<i>AM</i>
11	Febin Daniel Biju	<i>FB</i>	<i>FB</i>	<i>FB</i>	<i>FB</i>
12	Abhinav Krishna	<i>AK</i>	<i>AK</i>	<i>AK</i>	<i>AK</i>
13	Aathil Muhammed S	<i>AM</i>	<i>AM</i>	<i>AM</i>	<i>AM</i>
14	Allen Kuriakose Abey	<i>AK</i>	<i>AK</i>	<i>AK</i>	<i>AK</i>
15	Richa Rose Alex	<i>RA</i>	<i>RA</i>	<i>RA</i>	<i>RA</i>
16	Revathy.A.S	<i>RA</i>	<i>RA</i>	<i>RA</i>	<i>RA</i>
17	Ajmal Thajudeen	<i>AT</i>	<i>AT</i>	<i>AT</i>	<i>AT</i>
18	Sreekiran A	<i>SA</i>	<i>SA</i>	<i>SA</i>	<i>SA</i>
19	Darshan C S	<i>DC</i>	<i>DC</i>	<i>DC</i>	<i>DC</i>
20	JADEN MATHEW GEORGE	<i>JG</i>	<i>JG</i>	<i>JG</i>	<i>JG</i>
21	Pranav Raj P	<i>PR</i>	<i>PR</i>	<i>PR</i>	<i>PR</i>
22	Anamika P	<i>AP</i>	<i>AP</i>	<i>AP</i>	<i>AP</i>
23	Niranjan Nair J	<i>NN</i>	<i>NN</i>	<i>NN</i>	<i>NN</i>
24	Nandan Nair J	<i>NN</i>	<i>NN</i>	<i>NN</i>	<i>NN</i>
25	MANUSHRI L	<i>ML</i>	<i>ML</i>	<i>ML</i>	<i>ML</i>
26	T.VIGNESH	<i>TV</i>	<i>TV</i>	<i>TV</i>	<i>TV</i>
27	Nanda nair	<i>ND</i>	<i>ND</i>	<i>ND</i>	<i>ND</i>
28	Vibha Anoop	<i>VA</i>	<i>VA</i>	<i>VA</i>	<i>VA</i>
29	JINTA JOHNSON	<i>JJ</i>	<i>JJ</i>	<i>JJ</i>	<i>JJ</i>
30	Anupama S S	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
31	Lekshmi Pramod	<i>LP</i>	<i>LP</i>	<i>LP</i>	<i>LP</i>
32	Urmila Nandana P S	<i>UN</i>	<i>UN</i>	<i>UN</i>	<i>UN</i>
33	Sreya	<i>SR</i>	<i>SR</i>	<i>SR</i>	<i>SR</i>
34	TR arjun	<i>TR</i>	<i>TR</i>	<i>TR</i>	<i>TR</i>
35	Sreerag Nair S	<i>SN</i>	<i>SN</i>	<i>SN</i>	<i>SN</i>
36	Haarish A M	<i>HA</i>	<i>HA</i>	<i>HA</i>	<i>HA</i>
37	Anurudh.G	<i>AG</i>	<i>AG</i>	<i>AG</i>	<i>AG</i>
38	ABEL K THOMAS	<i>AK</i>	<i>AK</i>	<i>AK</i>	<i>AK</i>
39	Carol Kurian Domiric	<i>CK</i>	<i>CK</i>	<i>CK</i>	<i>CK</i>
40	Shiya A Manaf	<i>SM</i>	<i>SM</i>	<i>SM</i>	<i>SM</i>
41	Vaishnav.S	<i>VS</i>	<i>VS</i>	<i>VS</i>	<i>VS</i>
42	Amalnad S Nair	<i>AN</i>	<i>AN</i>	<i>AN</i>	<i>AN</i>
43	Beniam Jacob Jaison	<i>BJ</i>	<i>BJ</i>	<i>BJ</i>	<i>BJ</i>
44	SOORAJ KRISHNAN S A	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>
45	APTHA NM	<i>AN</i>	<i>AN</i>	<i>AN</i>	<i>AN</i>

		10-01-26 FN	10-01-26 AN	11-01-26 FN	11-01-26 AN
46	Miya Maria Melvin	Shikha	Shikha	Shikha	Shikha
47	Shikha Deep P	Shikha	Shikha	Shikha	Shikha
48	Gouri SS	Gouri	Gouri	Gouri	Gouri
49	Khadeeja Nazeer	Khadeeja	Khadeeja	Khadeeja	Khadeeja
50	Bipisha Babu	Bipisha	Bipisha	Bipisha	Bipisha
51	Meenakshi HS	Meenakshi	Meenakshi	Meenakshi	Meenakshi
52	Nayana Raj	Nayana	Nayana	Nayana	Nayana
53	Vismaya S.H	Vismaya	Vismaya	Vismaya	Vismaya
54	Dona Thomas	- Ab -	- Ab -		
55	Nisa S Aji	Nisa	Nisa	Nisa	Nisa
56	Dharmik Ram	Dharmik	Dharmik	Dharmik	Dharmik
57	Harry Emmanuel Jedhin	Harry	Harry	Harry	Harry
58	Dhanwanth Krishna D	Dhanwanth	Dhanwanth	Dhanwanth	Dhanwanth
59	Akshay V.S	Akshay	Akshay	Akshay	Akshay
60	Adithyan Pramod	Adithyan	Adithyan	Adithyan	Adithyan
61	Joel Joy	Joel	Joel	Joel	Joel
62	Druma P Asok	Druma	Druma	Druma	Druma
63	Minhaj D	Minhaj	Minhaj	Minhaj	Minhaj
64	Anjitha mohan	Anjitha	Anjitha	Anjitha	Anjitha
65	Sivani J S	Sivani	Sivani	Sivani	Sivani
66	Ashik J	Ashik	Ashik	Ashik	Ashik
67	Ashtami.M.R	Ashtami	Ashtami	Ashtami	Ashtami
68	Vaishnav v	Vaishnav	Vaishnav	Vaishnav	Vaishnav
69	AMBADIKANNAN V	AMBADIKANNAN	AMBADIKANNAN	AMBADIKANNAN	AMBADIKANNAN
70	AHNA S Sabeer	AHNA	AHNA	AHNA	AHNA
71	Nandagopal H	Nandagopal	Nandagopal	Nandagopal	Nandagopal
72	Niranjan	Niranjan	Niranjan	Niranjan	Niranjan
73	J S Hemand	J S Hemand	J S Hemand	J S Hemand	J S Hemand
74	Nihal	Nihal	Nihal	Nihal	Nihal
75	Abhinav Binod	Abhinav	Abhinav	Abhinav	Abhinav
76	Dhruva Nandan V S	Dhruva	Dhruva	Dhruva	Dhruva
77	Alan S Kumar	Alan	Alan	Alan	Alan
78	Akshay A	- Ab -	- Ab -		
79	sivashankar vs	sivashankar	sivashankar	sivashankar	sivashankar
80	Anzil Nahas	Anzil	Anzil	Anzil	Anzil
81	Akshay K.K	Akshay	Akshay	Akshay	Akshay
82	Deepak N.S	Deepak	Deepak	Deepak	Deepak
83	S.				
84					
85					

Sample Certificate

	CERTIFICATE OF PARTICIPATION
	THANK YOU! Thank you for participating in this Autodesk® Authorized Academic Partner® event. Autodesk's vision is to help people imagine, design, and create a better world.
	Certificate No. AP1111098614155742911
	JAGAN SAJU PARTICIPANT NAME
	TWO- DAY WORKSHOP ON AUTODESK FUSION 360 EVENT
	ISTE MBCET CHAPTER, ASME MBCET CHAPTER, CPDL, AND AUTOMATA, MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY, TVM 11-JANUARY-2026
	EVENT LOCATION DATE
	INTERCAD SYSTEMS (PVT) - TRIVANDRUM AUTODESK AUTHORIZED ACADEMIC PARTNER
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Report prepared by

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