Report on

Online Training Program on AUTODESK-FUSION

India Design Week-2026

The Online Training Program on the Design software AUTODESK FUSION is conducted by ICT-Academy in collaboration with AUTODESK during February 11-13, 2026. The two faculties Dr. Sanjeev Kumar Lambha and Dr. Jasbir Singh from Department of Mechanical Engineering participated in the Online Training Program. Design, Generative Design, Animation, Simulation workspaces explored and studied by the faculties during the program.

The students from the Department of Mechanical Engineering will be trained by the trained faculties in due course of time. According to India Design Week-2026, student will participate in the event at National Level.

The glimpses of the 03 days Online Training program are attached here below:

Day-1

Make a project folder by Name : IDW-26 fdp

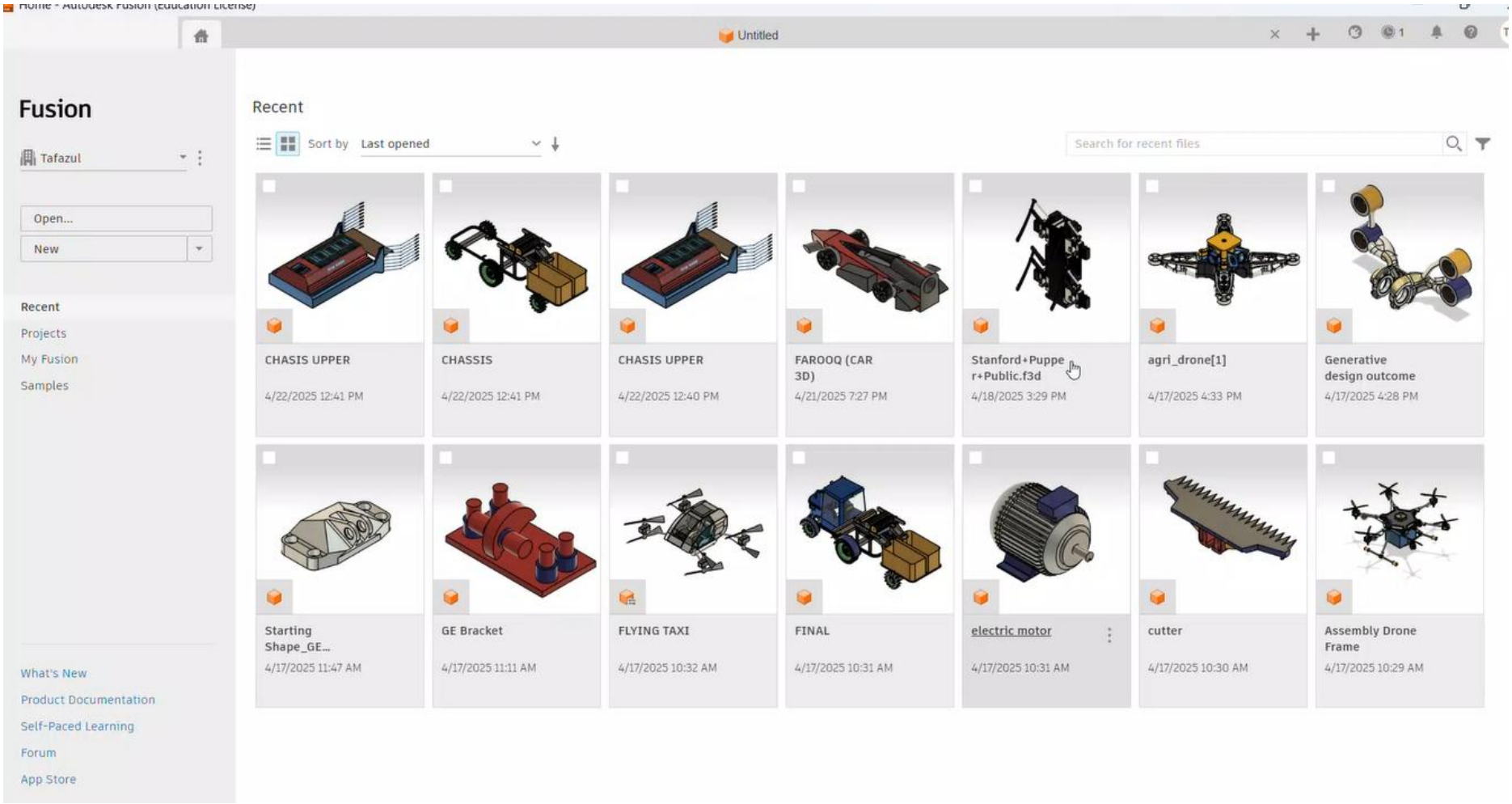
Invite trainer as a viewer tafazul@ictacademy.in

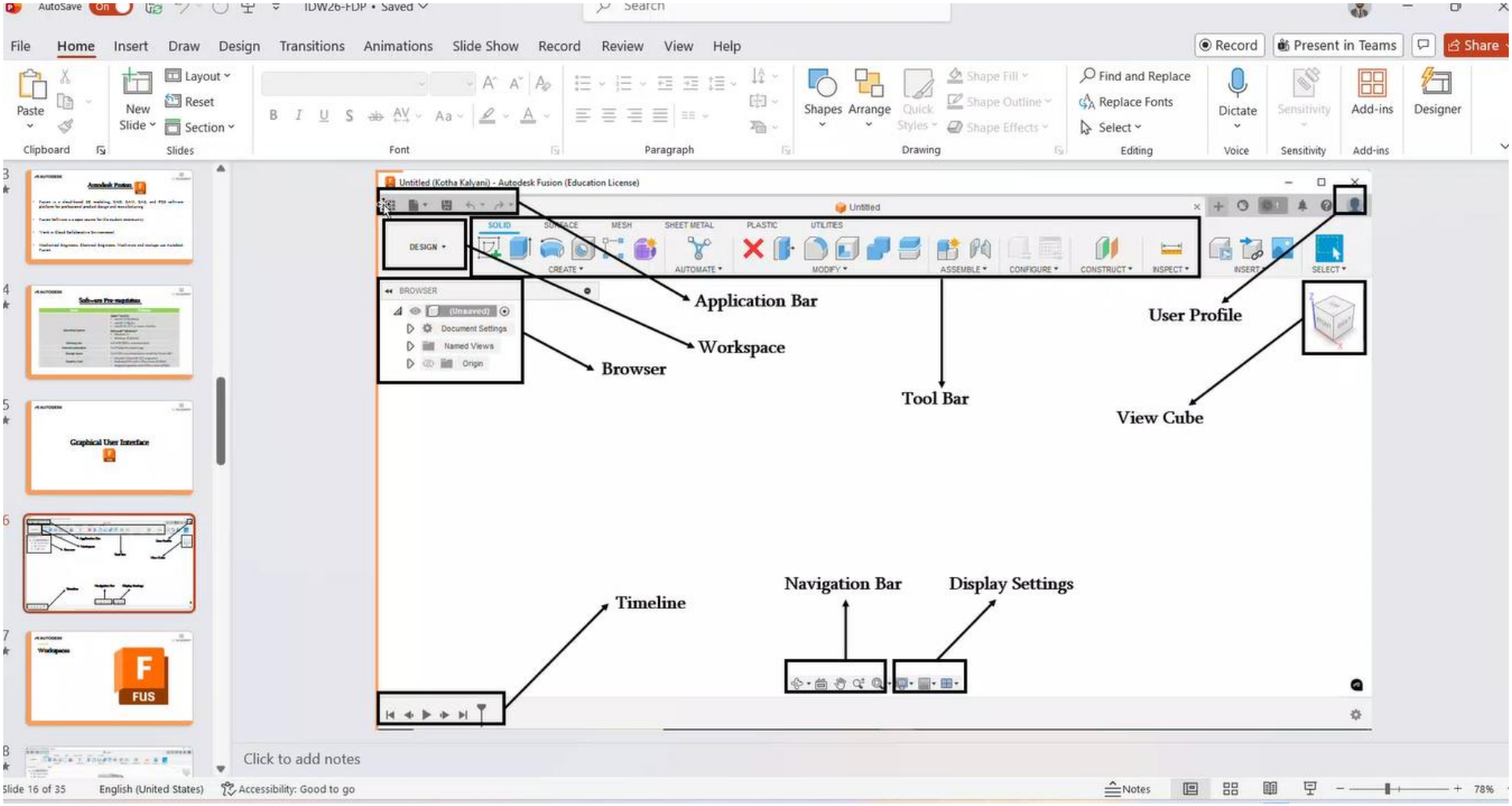
AUTODESK

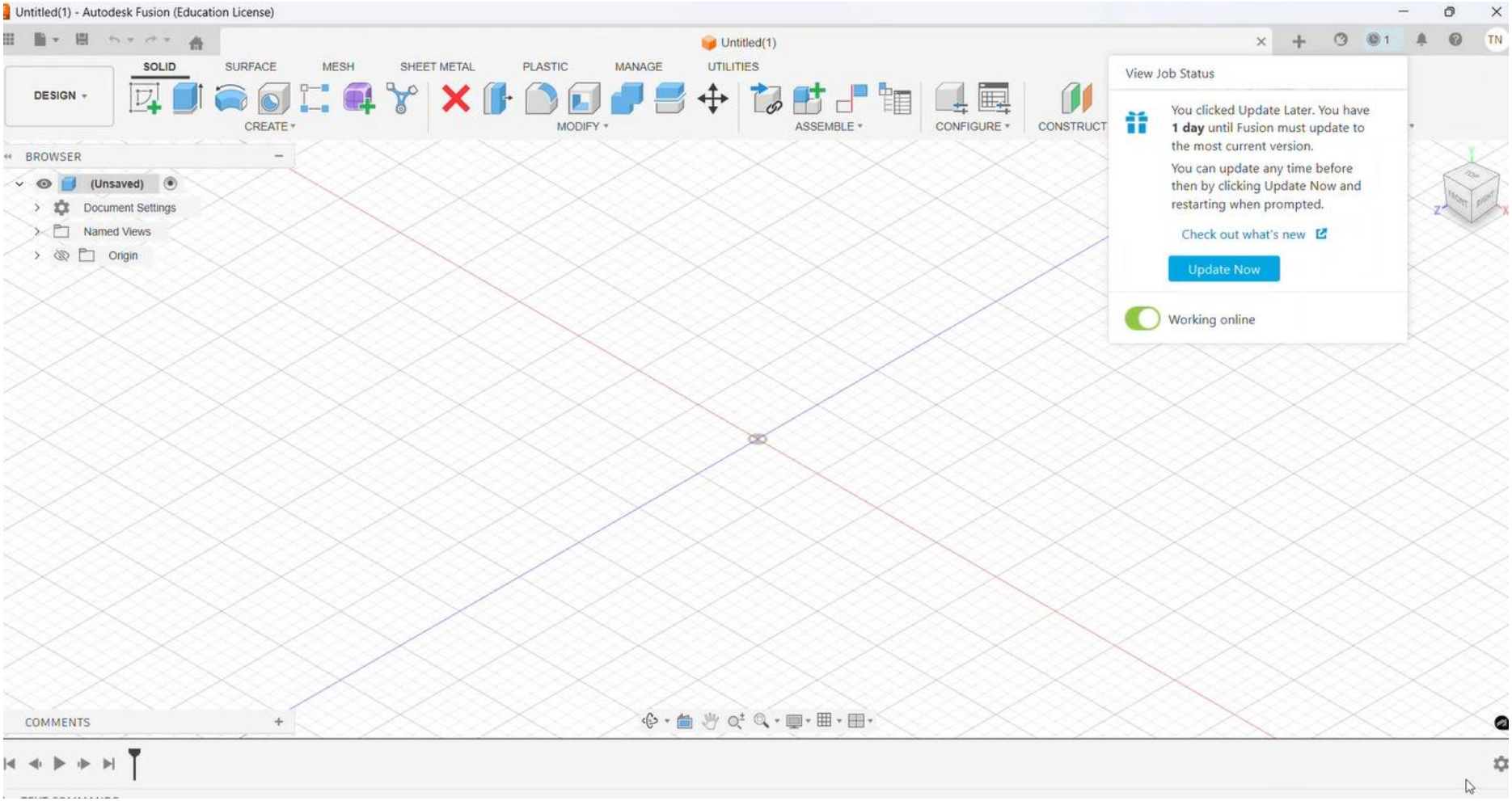
ICTACADEMY

Software Pre-requisites

Device	PC/Laptop
Operating System	**Apple® macOS:** • macOS 12 Monterey • macOS 11 Big Sur • macOS 10.15.7, or newer, Catalina
	Microsoft® Windows® • Windows 11 • Windows 10 (64-bit)
Memory size	Min 4GB (8GB is recommended)
Internet connection	3 to 5 Mbps for cloud usage
Storage space	3 to 5 GB is recommended to install the Fusion 360
Graphics Card	• DirectX11 (Direct3D 10.1 or greater) • Dedicated GPU with 1 GB or more of VRAM • Integrated graphics with 6 GB or more of RAM


Home - Autodesk Fusion (Education License)
Untitled
Fusion
Tafazul
Open...
New
Recent
Projects
My Fusion
Samples
What's New
Product Documentation
Self-Paced Learning
Forum
App Store
Recent
Sort by
Last opened
Search for recent files
CHASIS UPPER
4/22/2025 12:41 PM
CHASSIS
4/22/2025 12:41 PM
CHASIS UPPER
4/22/2025 12:40 PM
FAROOQ (CAR 3D)
4/21/2025 7:27 PM
Stanford+Puppe r+Public.f3d
4/18/2025 3:29 PM
agri_drone[1]
4/17/2025 4:33 PM
Generative design outcome
4/17/2025 4:28 PM
Starting Shape_GE...
4/17/2025 11:47 AM
GE Bracket
4/17/2025 11:11 AM
FLYING TAXI
4/17/2025 10:32 AM
FINAL
4/17/2025 10:31 AM
electric motor
4/17/2025 10:31 AM
cutter
4/17/2025 10:30 AM
Assembly Drone Frame
4/17/2025 10:29 AM

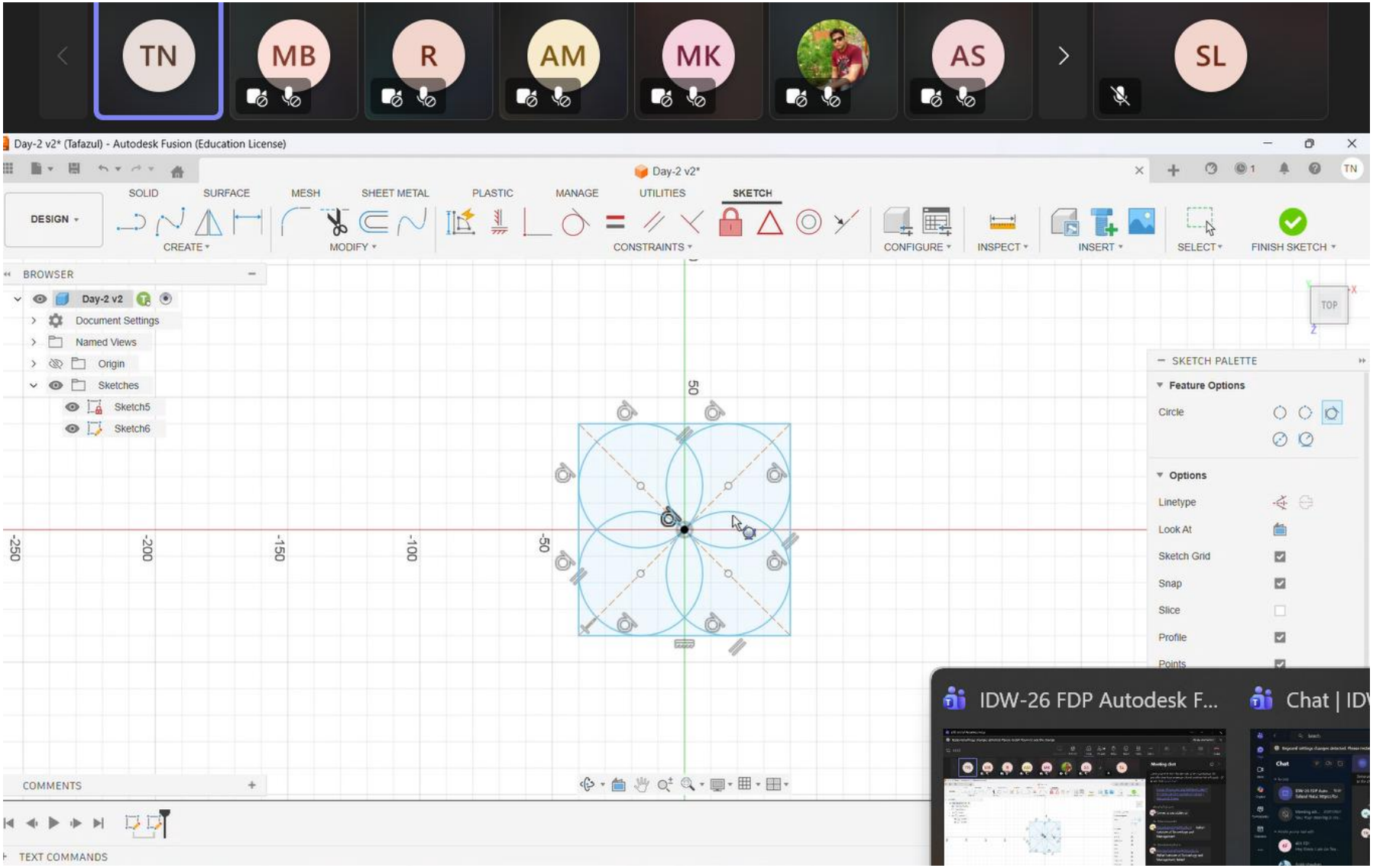

Application Bar
Workspace
Browser
Tool Bar
User Profile
View Cube
Timeline
Navigation Bar
Display Settings
Click to add notes
Slide 16 of 35
English (United States)
Accessibility: Good to go

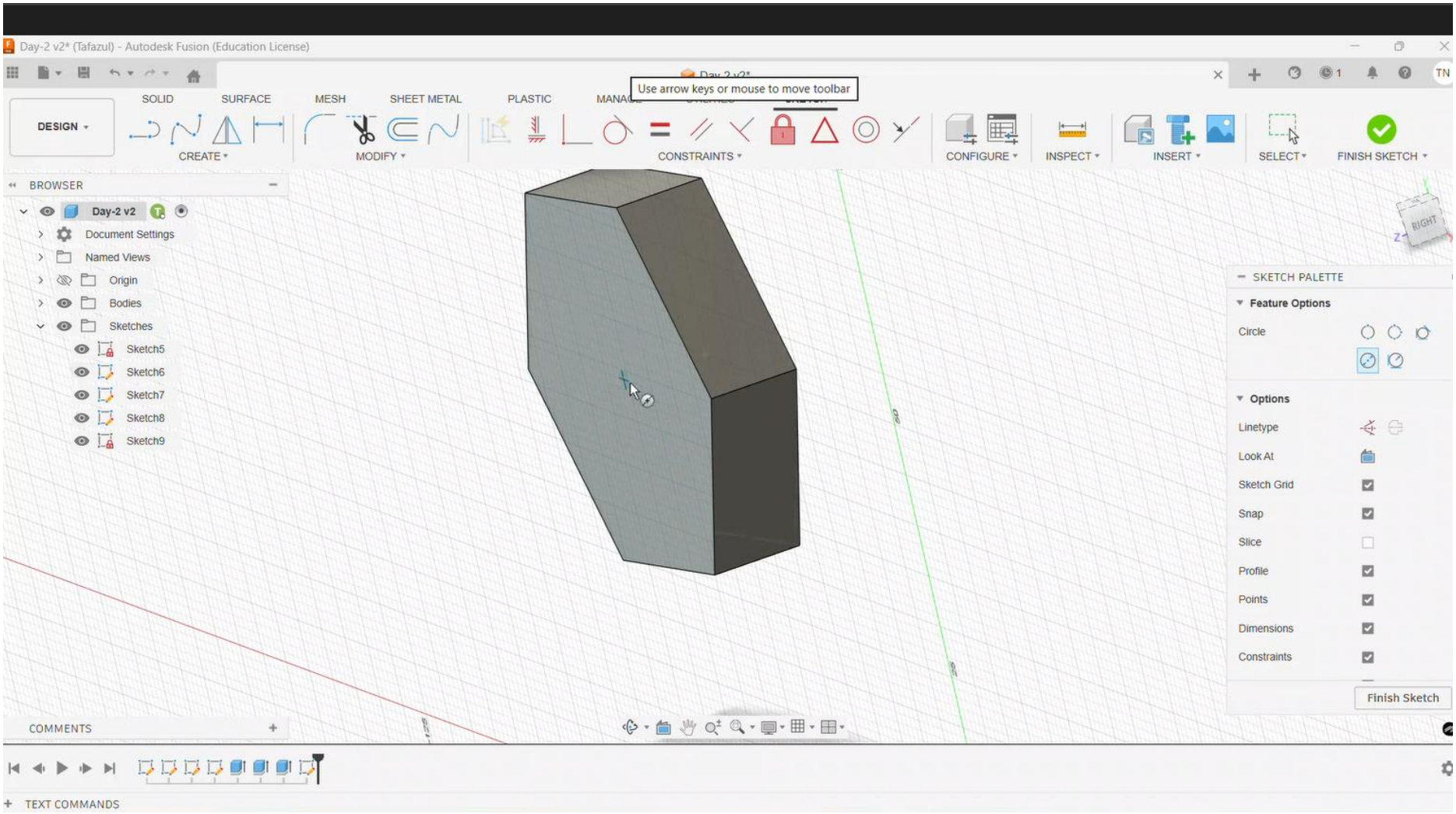


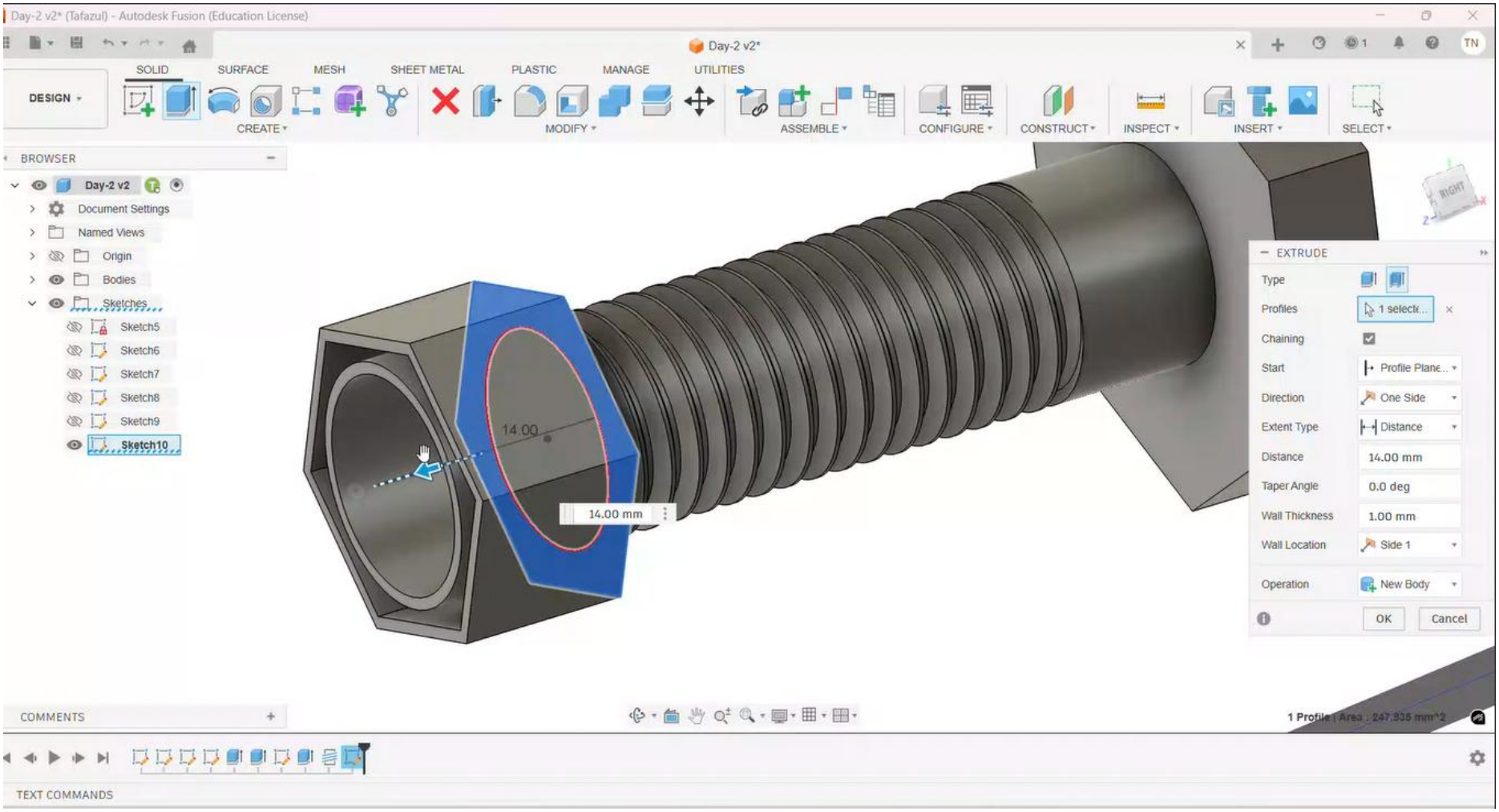
Make a project folder by Name : IDW-26 fdp

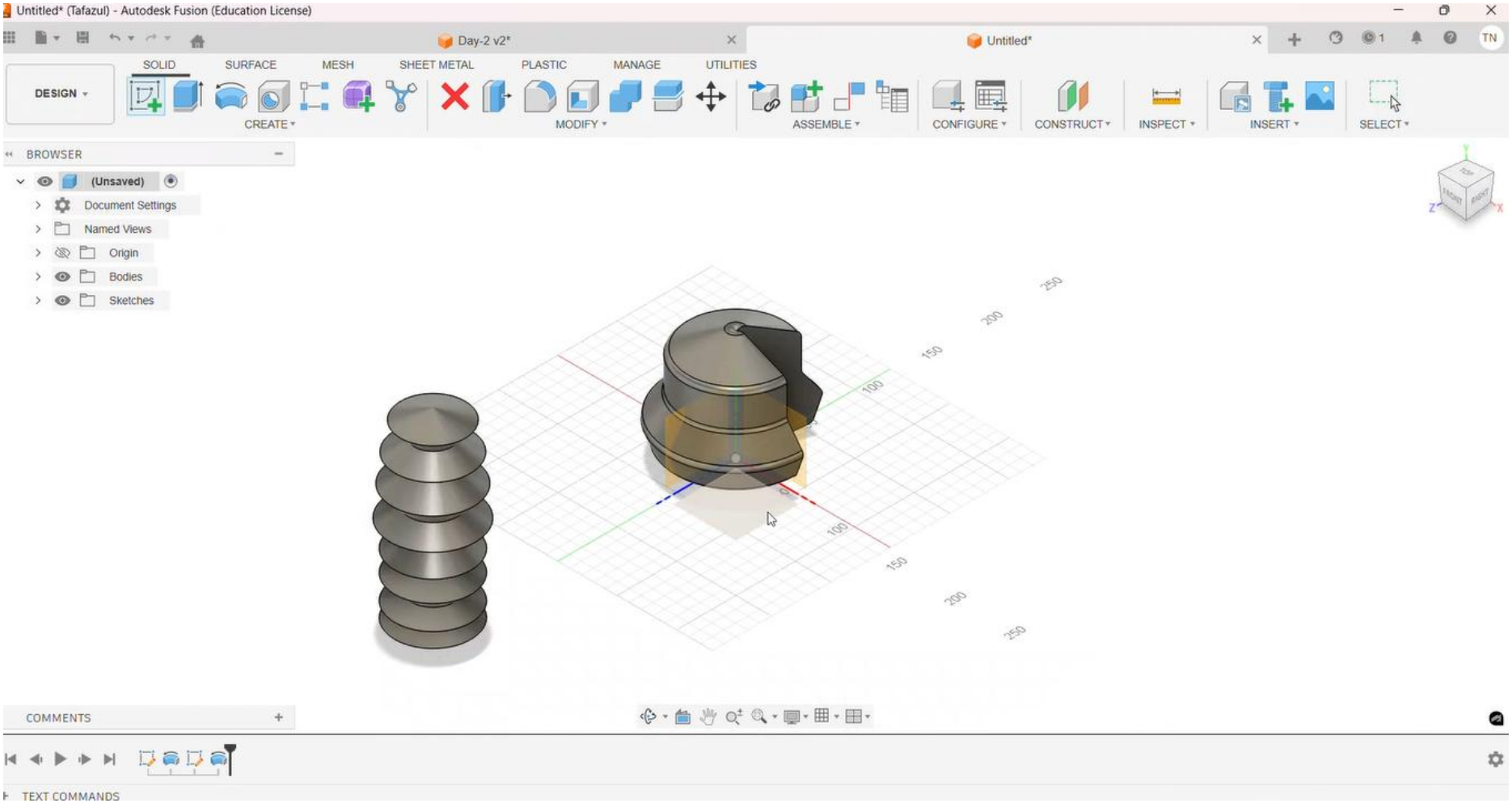
invite me also as a viewer tafazul@ictacademy.in

Day-2


TN
MB
R
AM
MK
AS
SL
Day-2 v2* (Tafazul) - Autodesk Fusion (Education License)
Day-2 v2*
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
SKETCH
DESIGN
CREATE
MODIFY
CONSTRAINTS
CONFIGURE
INSPECT
INSERT
SELECT
FINISH SKETCH
BROWSER
Day-2 v2
Document Settings
Named Views
Origin
Sketches
Sketch5
Sketch6
SKETCH PALETTE
Feature Options
Circle
Options
Linetype
Look At
Sketch Grid
Snap
Slice
Profile
Points
TOP
COMMENTS
TEXT COMMANDS
IDW-26 FDP Autodesk F...
Chat | IDW


Day-2 v2* (Tafazul) - Autodesk Fusion (Education License)
Use arrow keys or mouse to move toolbar
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
DESIGN
CREATE
MODIFY
CONSTRAINTS
CONFIGURE
INSPECT
INSERT
SELECT
FINISH SKETCH
BROWSER
Day-2 v2
Document Settings
Named Views
Origin
Bodies
Sketches
Sketch5
Sketch6
Sketch7
Sketch8
Sketch9
SKETCH PALETTE
Feature Options
Circle
Options
Linetype
Look At
Sketch Grid
Snap
Slice
Profile
Points
Dimensions
Constraints
Finish Sketch
COMMENTS
TEXT COMMANDS


Day-2 v2* (Tafazul) - Autodesk Fusion (Education License)
Day-2 v2*
DESIGN
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
CREATE
MODIFY
ASSEMBLE
CONFIGURE
CONSTRUCT
INSPECT
INSERT
SELECT
BROWSER
Day-2 v2
Document Settings
Named Views
Origin
Bodies
Sketches
Sketch5
Sketch6
Sketch7
Sketch8
Sketch9
Sketch10
14.00
14.00 mm
EXTRUDE
Type
Profiles
1 selecte...
Chaining
Start
Profile Plane...
Direction
One Side
Extent Type
Distance
Distance
14.00 mm
Taper Angle
0.0 deg
Wall Thickness
1.00 mm
Wall Location
Side 1
Operation
New Body
OK
Cancel
RIGHT
COMMENTS
TEXT COMMANDS


Untitled* (Tafazul) - Autodesk Fusion (Education License)
Day-2 v2*
Untitled*
DESIGN
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
CREATE
MODIFY
ASSEMBLE
CONFIGURE
CONSTRUCT
INSPECT
INSERT
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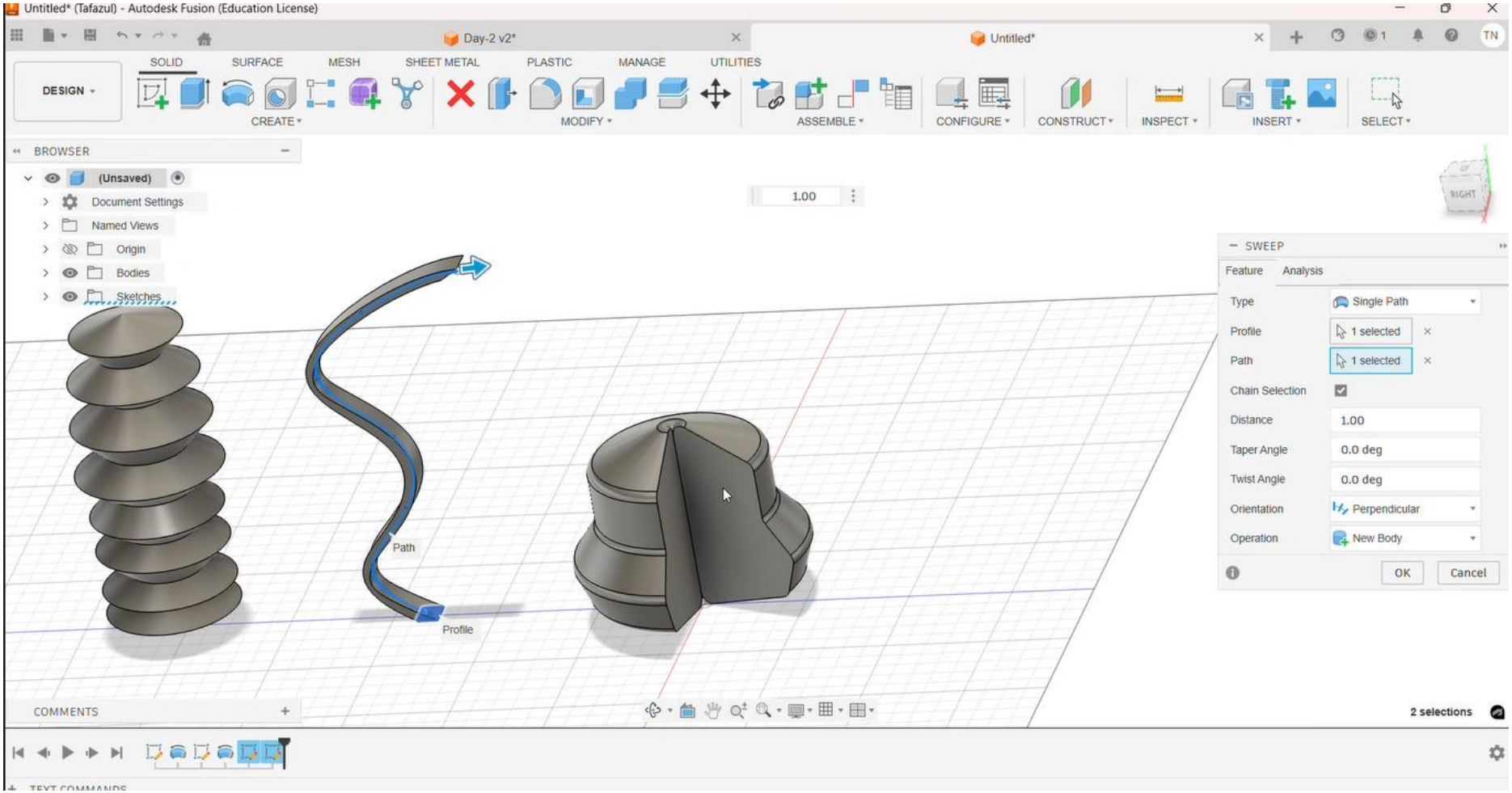
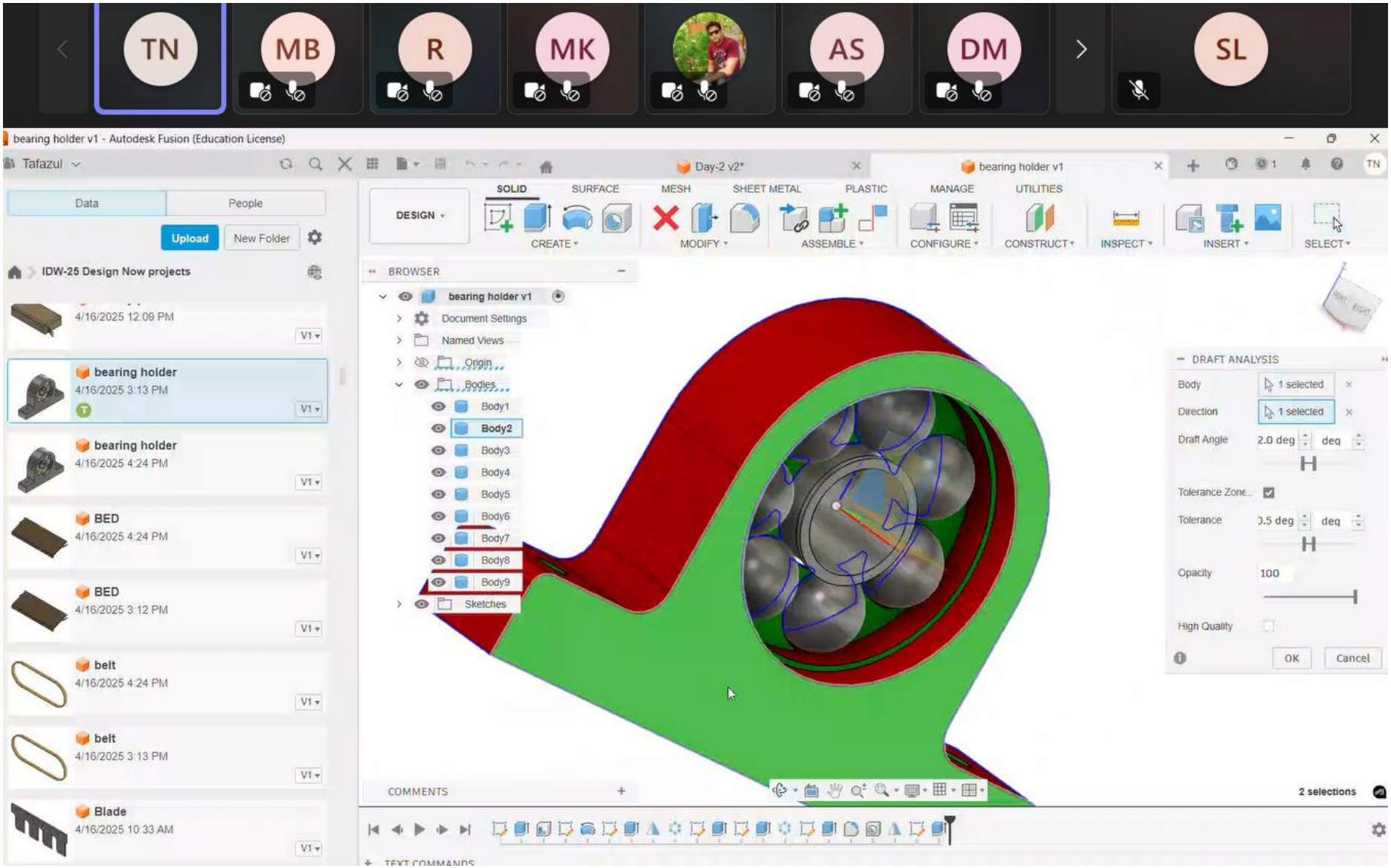
BROWSER
(Unsaved)
Document Settings
Named Views
Origin
Bodies
Sketches
COMMENTS
TEXT COMMANDS


Untitled* (Tafazul) - Autodesk Fusion (Education License)
Day-2 v2*
Untitled*
DESIGN
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
CREATE
MODIFY
ASSEMBLE
CONFIGURE
CONSTRUCT
INSPECT
INSERT
SELECT
BROWSER
(Unsaved)
Document Settings
Named Views
Origin
Bodies
Sketches
1.00
RIGHT
SWEEP
Feature
Analysis
Type
Single Path
Profile
1 selected
Path
1 selected
Chain Selection
Distance
1.00
Taper Angle
0.0 deg
Twist Angle
0.0 deg
Orientation
Perpendicular
Operation
New Body
OK
Cancel
Path
Profile
COMMENTS
2 selections


TN
MB
R
MK
AS
DM
SL
bearing holder v1 - Autodesk Fusion (Education License)
Tafazul
Day-2 v2*
bearing holder v1
Data
People
Upload
New Folder
IDW-25 Design Now projects
4/16/2025 12.09 PM
bearing holder
4/16/2025 3:13 PM
bearing holder
4/16/2025 4:24 PM
BED
4/16/2025 4:24 PM
BED
4/16/2025 3:12 PM
belt
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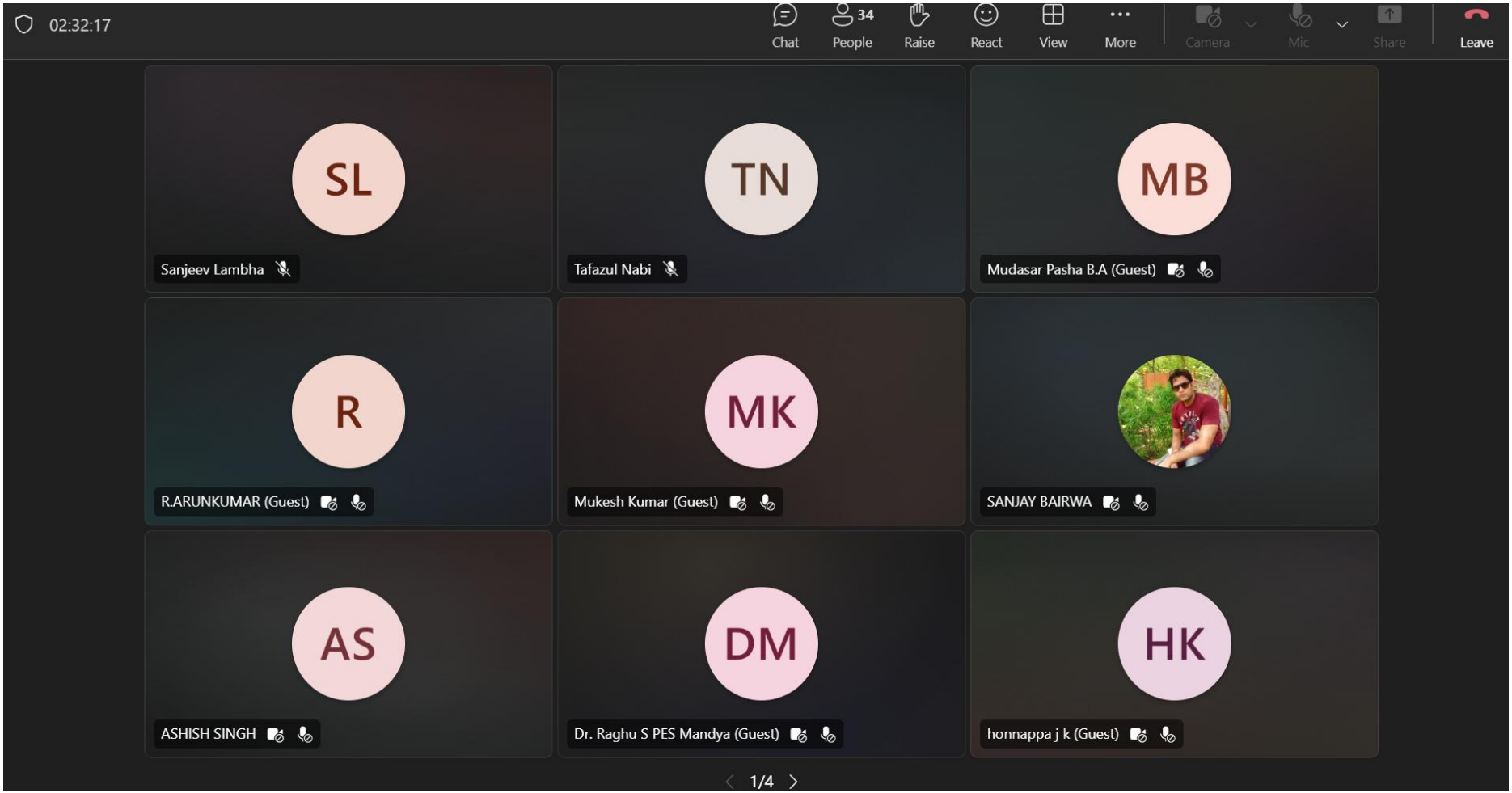
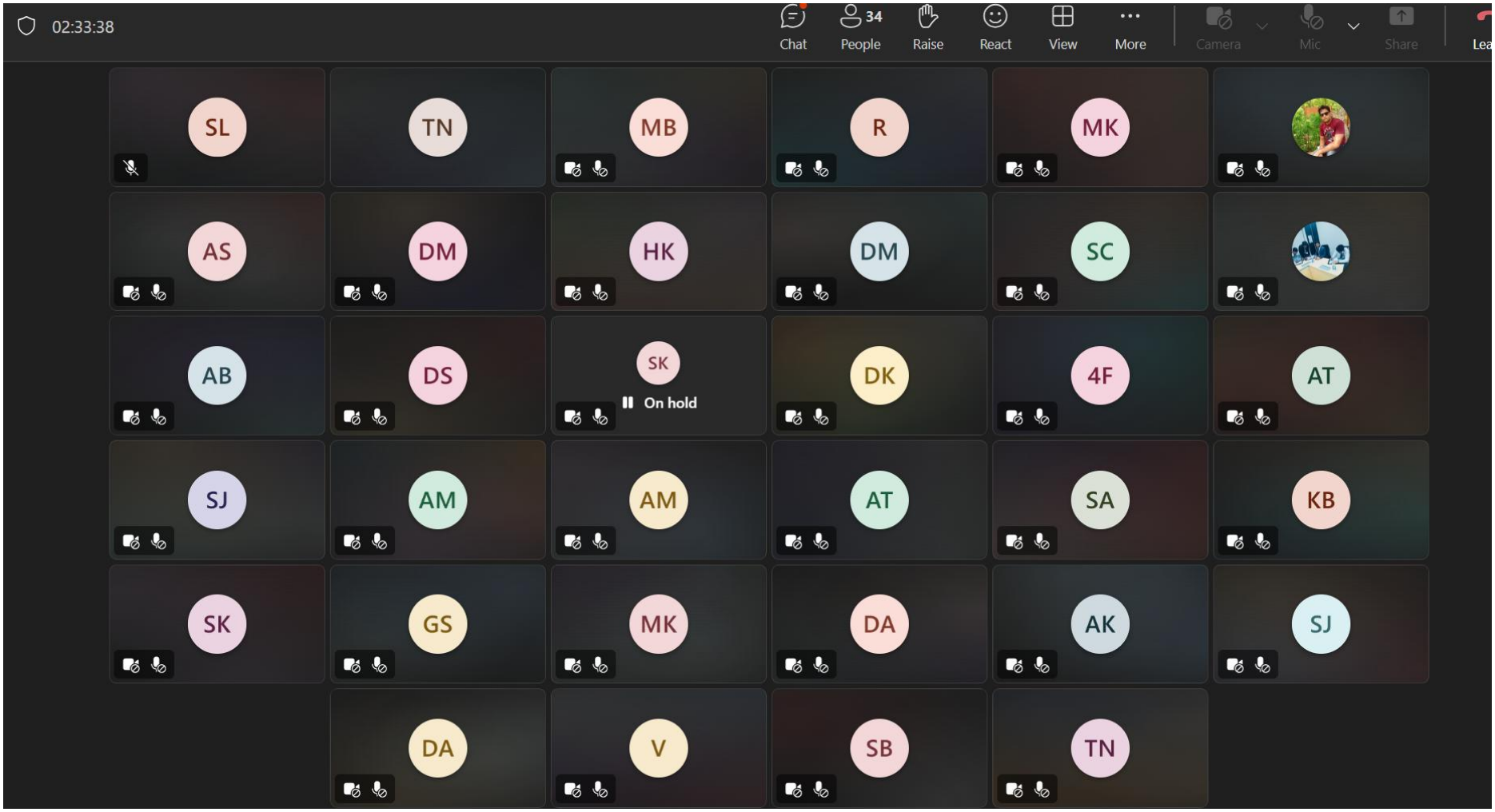
belt
4/16/2025 3:13 PM
Blade
4/16/2025 10:33 AM
DESIGN
SOLID
SURFACE
MESH
SHEET METAL
PLASTIC
MANAGE
UTILITIES
CREATE
MODIFY
ASSEMBLE
CONFIGURE
CONSTRUCT
INSPECT
INSERT
SELECT
BROWSER
bearing holder v1
Document Settings
Named Views
Origin
Bodies
Body1
Body2
Body3
Body4
Body5
Body6
Body7
Body8
Body9
Sketches
DRAFT ANALYSIS
Body
1 selected
Direction
1 selected
Draft Angle
2.0 deg
deg
Tolerance Zone...
Tolerance
0.5 deg
deg
Opacity
100
High Quality
OK
Cancel
COMMENTS
2 selections
TEXT COMMANDS


02:32:17
Chat
34
People
Raise
React
View
More
Camera
Mic
Share
Leave
SL
Sanjeev Lambha
TN
Tafazul Nabi
MB
Mudasar Pasha B.A (Guest)
R
R.ARUNKUMAR (Guest)
MK
Mukesh Kumar (Guest)
SANJAY BAIRWA
AS
ASHISH SINGH
DM
Dr. Raghu S PES Mandya (Guest)
HK
honnappa j k (Guest)
1/4


02:33:38
Chat
People
34
Raise
React
View
More
Camera
Mic
Share
SL
TN
MB
R
MK
AS
DM
HK
DM
SC
AB
DS
SK
On hold
DK
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SJ
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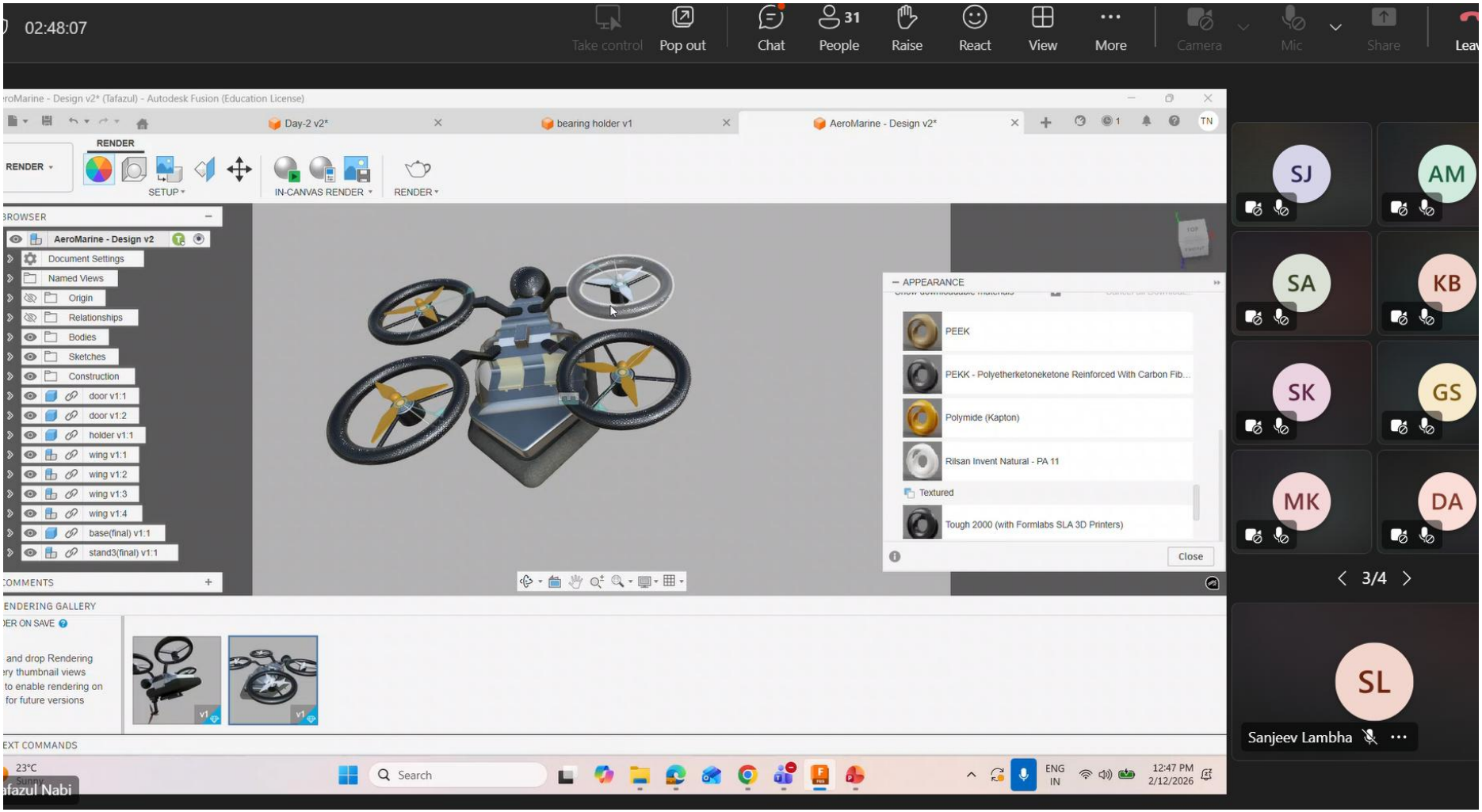
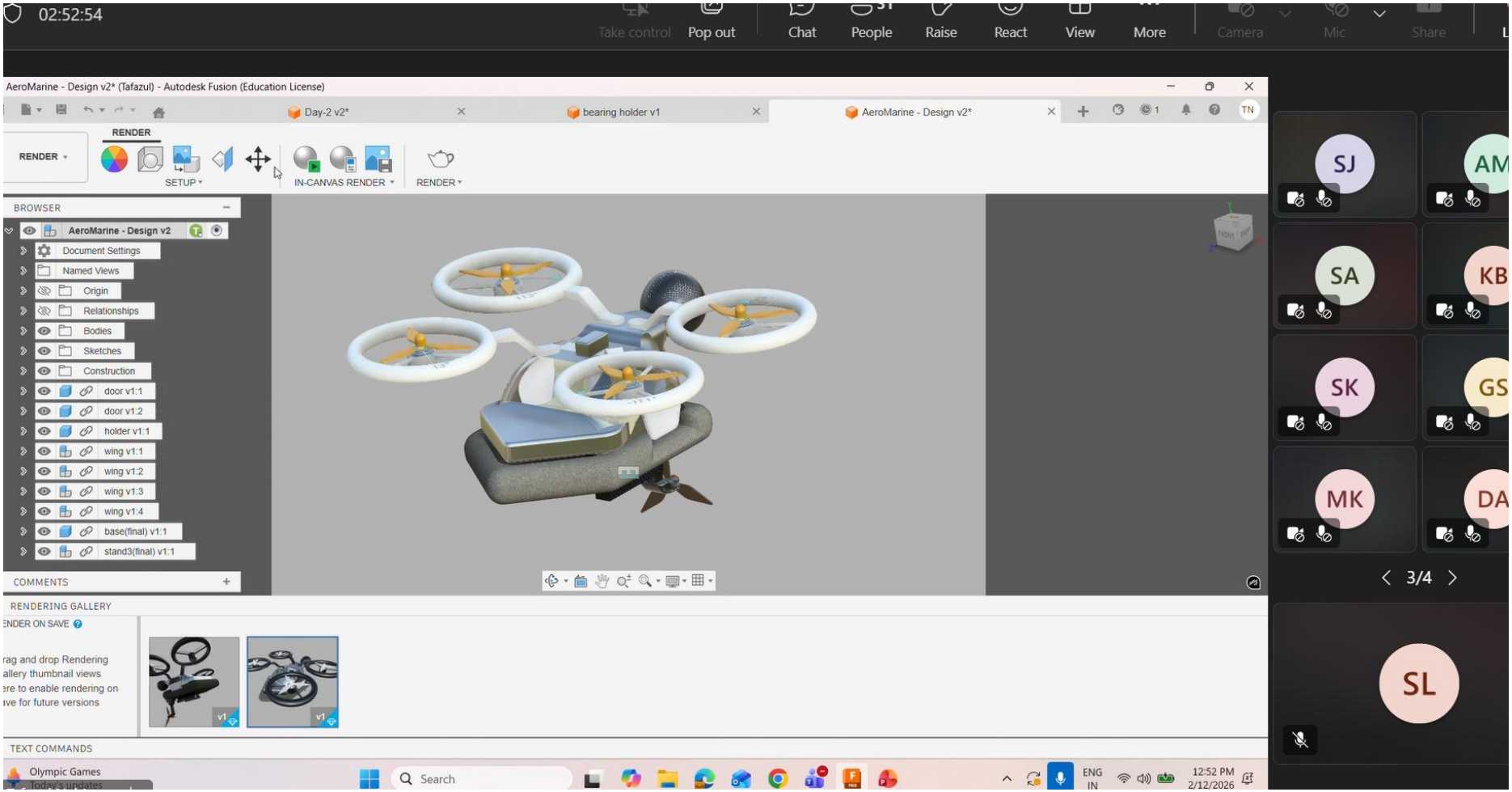
TN


02:48:07
Take control
Pop out
Chat
People
Raise
React
View
More
Camera
Mic
Share
AeroMarine - Design v2* (Tafazul) - Autodesk Fusion (Education License)
Day-2 v2*
bearing holder v1
AeroMarine - Design v2*
RENDER
SETUP
IN-CANVAS RENDER
RENDER
BROWSER
AeroMarine - Design v2
Document Settings
Named Views
Origin
Relationships
Bodies
Sketches
Construction
door v1:1
door v1:2
holder v1:1
wing v1:1
wing v1:2
wing v1:3
wing v1:4
base(final) v1:1
stand3(final) v1:1
COMMENTS
RENDERING GALLERY
and drop Rendering
thumbnail views
to enable rendering on
for future versions
EXT COMMANDS
APPEARANCE
PEEK
PEKK - Polyetherketoneketone Reinforced With Carbon Fib...
Polymide (Kapton)
Rilsan Invent Natural - PA 11
Textured
Tough 2000 (with Formlabs SLA 3D Printers)
Close
SJ
AM
SA
KB
SK
GS
MK
DA
3/4
SL
Sanjeev Lambha
23°C
Sunny
Search
ENG
IN
12:47 PM
2/12/2026
afazul Nabi

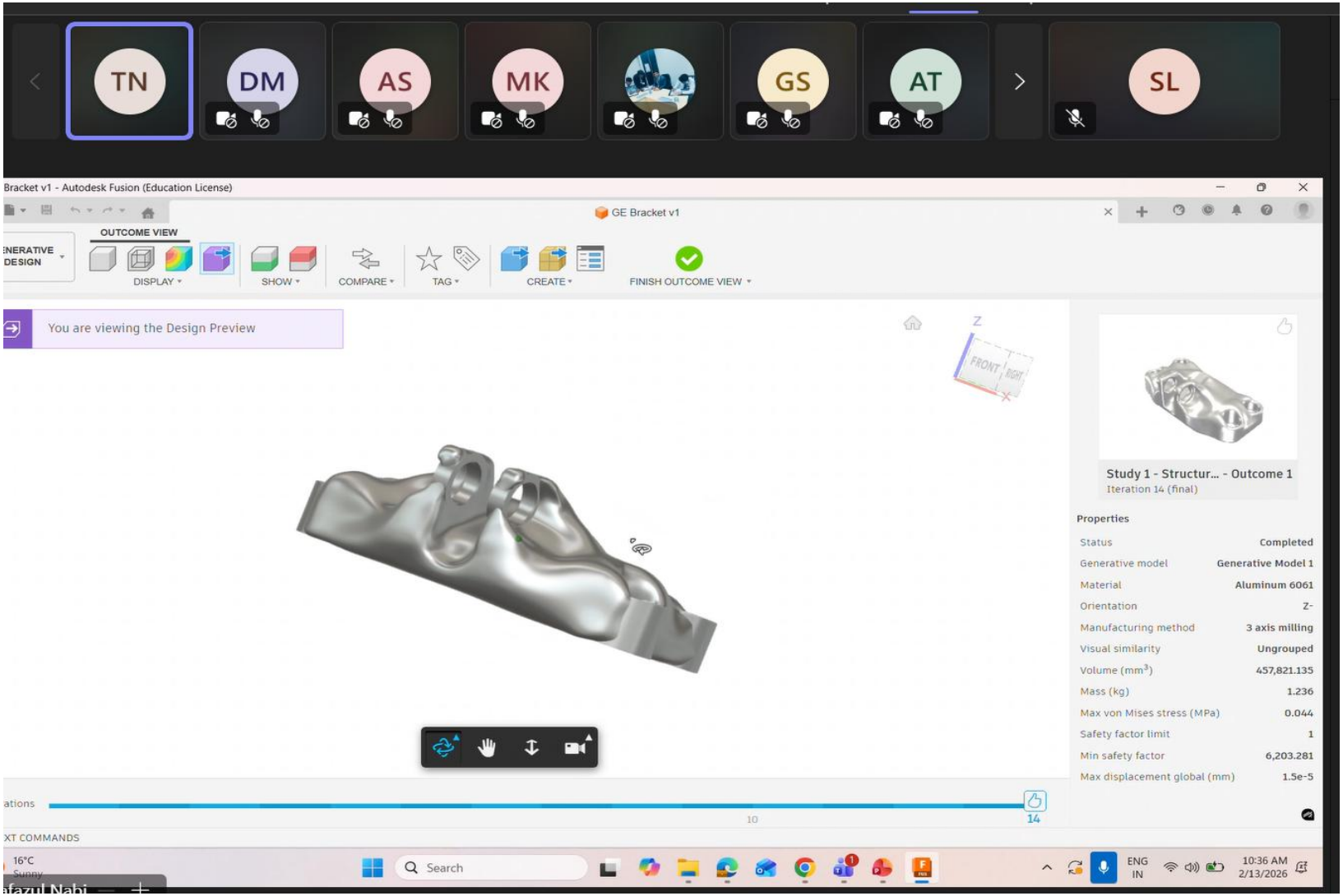


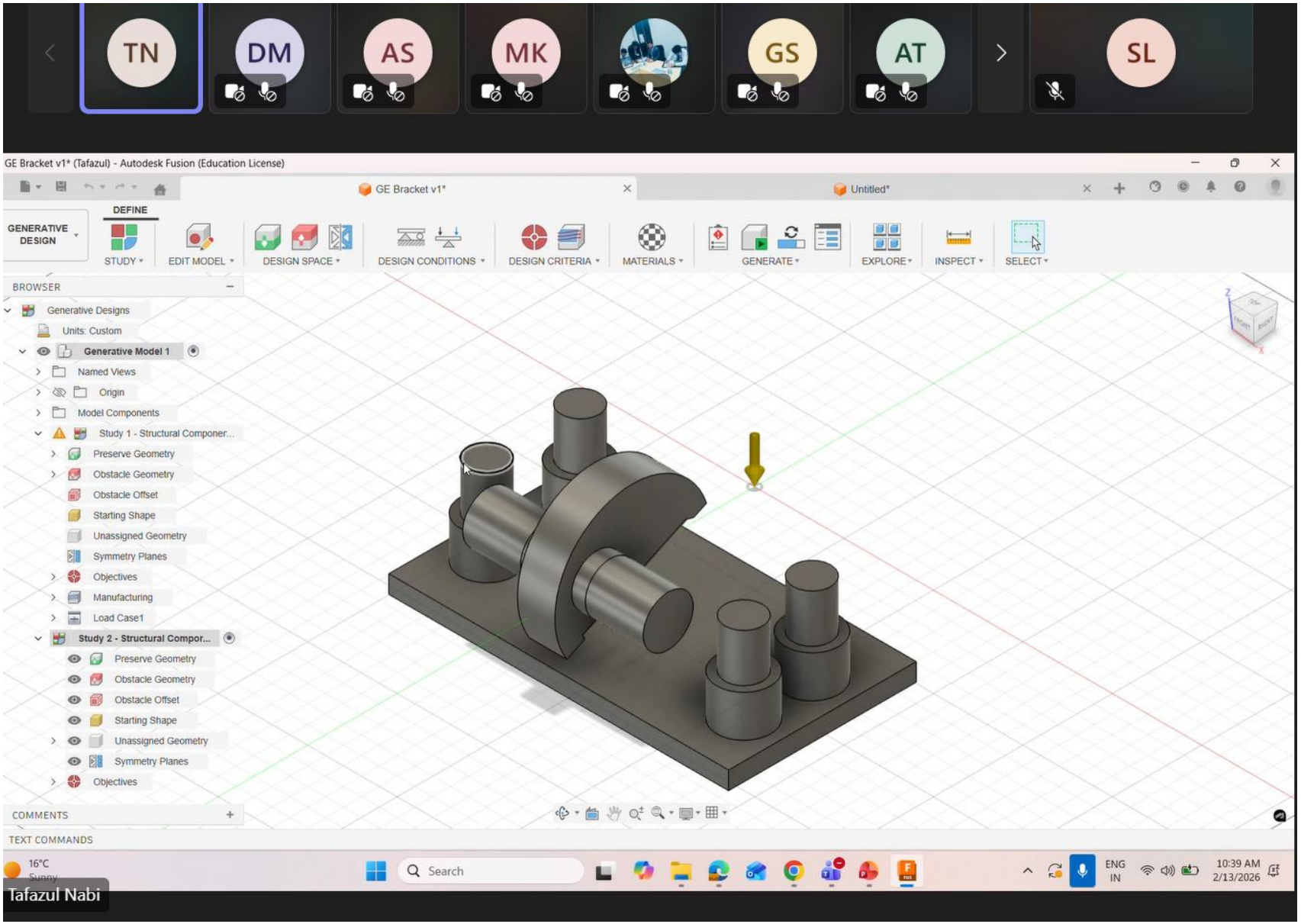
Attended 02 polls.

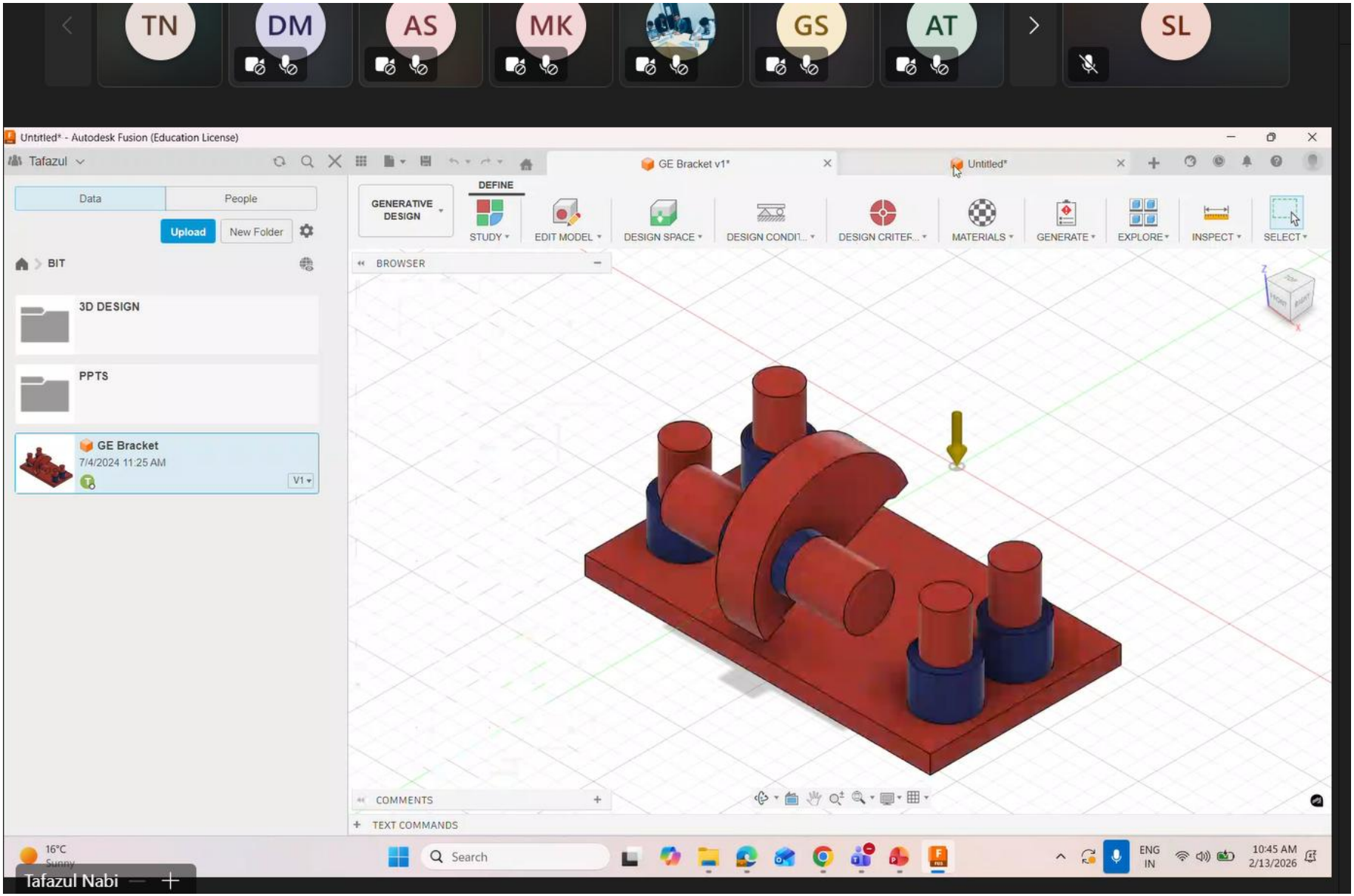
[Learn Fusion for CAD in 90 minutes (2026) | Autodesk]

[Drawing | Autodesk]

Day-3


TN
DM
AS
MK
GS
AT
SL
Bracket v1 - Autodesk Fusion (Education License)
GE Bracket v1
OUTCOME VIEW
DISPLAY
SHOW
COMPARE
TAG
CREATE
FINISH OUTCOME VIEW
You are viewing the Design Preview
Study 1 - Structur... - Outcome 1
Iteration 14 (final)
Properties
Status Completed
Generative model Generative Model 1
Material Aluminum 6061
Orientation Z-
Manufacturing method 3 axis milling
Visual similarity Ungrouped
Volume (mm³) 457,821.135
Mass (kg) 1.236
Max von Mises stress (MPa) 0.044
Safety factor limit 1
Min safety factor 6,203.281
Max displacement global (mm) 1.5e-5
XT COMMANDS
Search


TN
DM
AS
MK
GS
AT
SL
GE Bracket v1* (Tafazul) - Autodesk Fusion (Education License)
GE Bracket v1*
Untitled*
GENERATIVE DESIGN
DEFINE
STUDY
EDIT MODEL
DESIGN SPACE
DESIGN CONDITIONS
DESIGN CRITERIA
MATERIALS
GENERATE
EXPLORE
INSPECT
SELECT
BROWSER
Generative Designs
Units: Custom
Generative Model 1
Named Views
Origin
Model Components
Study 1 - Structural Componer...
Preserve Geometry
Obstacle Geometry
Obstacle Offset
Starting Shape
Unassigned Geometry
Symmetry Planes
Objectives
Manufacturing
Load Case1
Study 2 - Structural Compor...
Preserve Geometry
Obstacle Geometry
Obstacle Offset
Starting Shape
Unassigned Geometry
Symmetry Planes
Objectives
COMMENTS
TEXT COMMANDS
16°C
Sunny
Search
ENG
IN
10:39 AM
2/13/2026
Tafazul Nabi


TN
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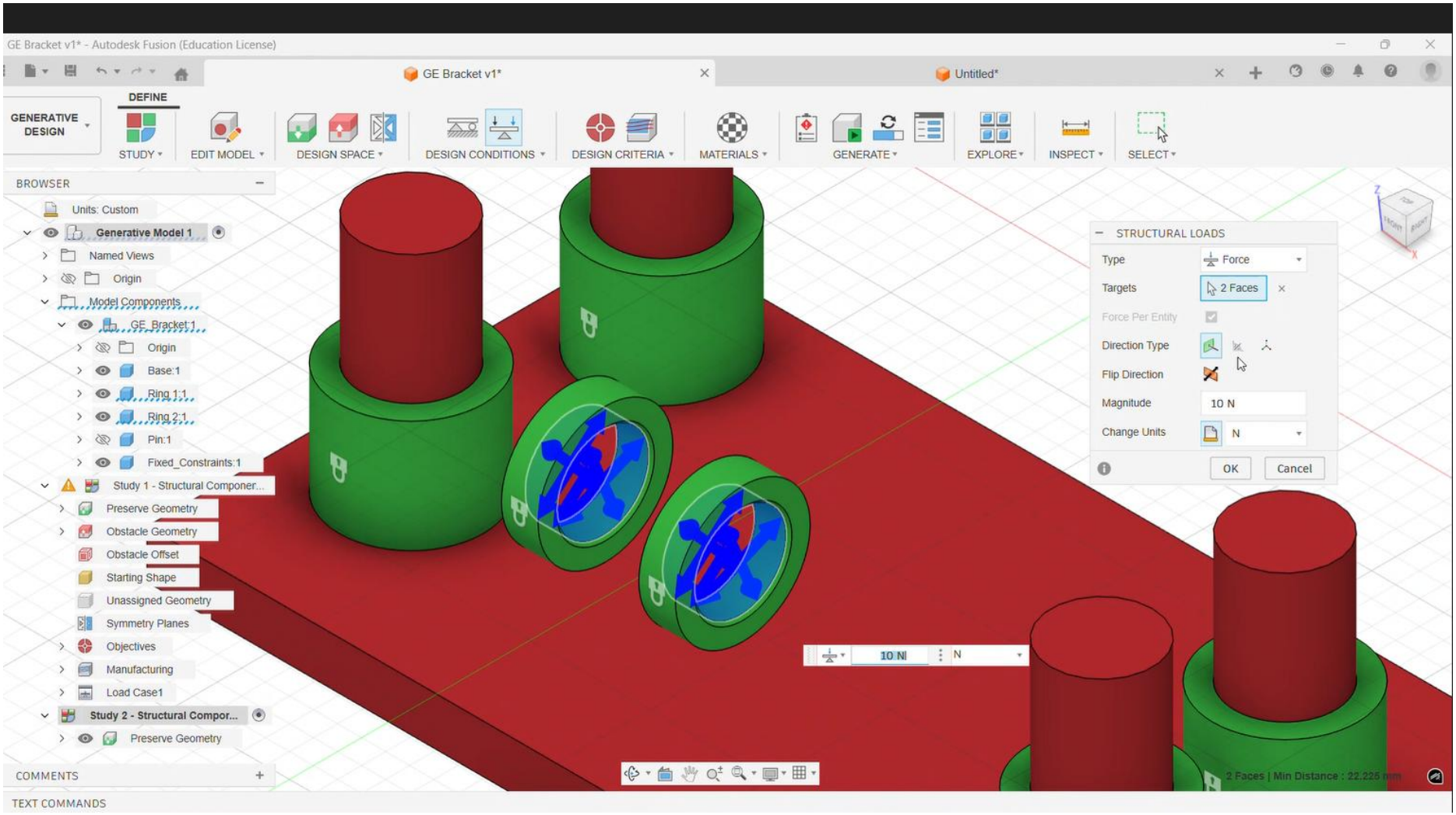
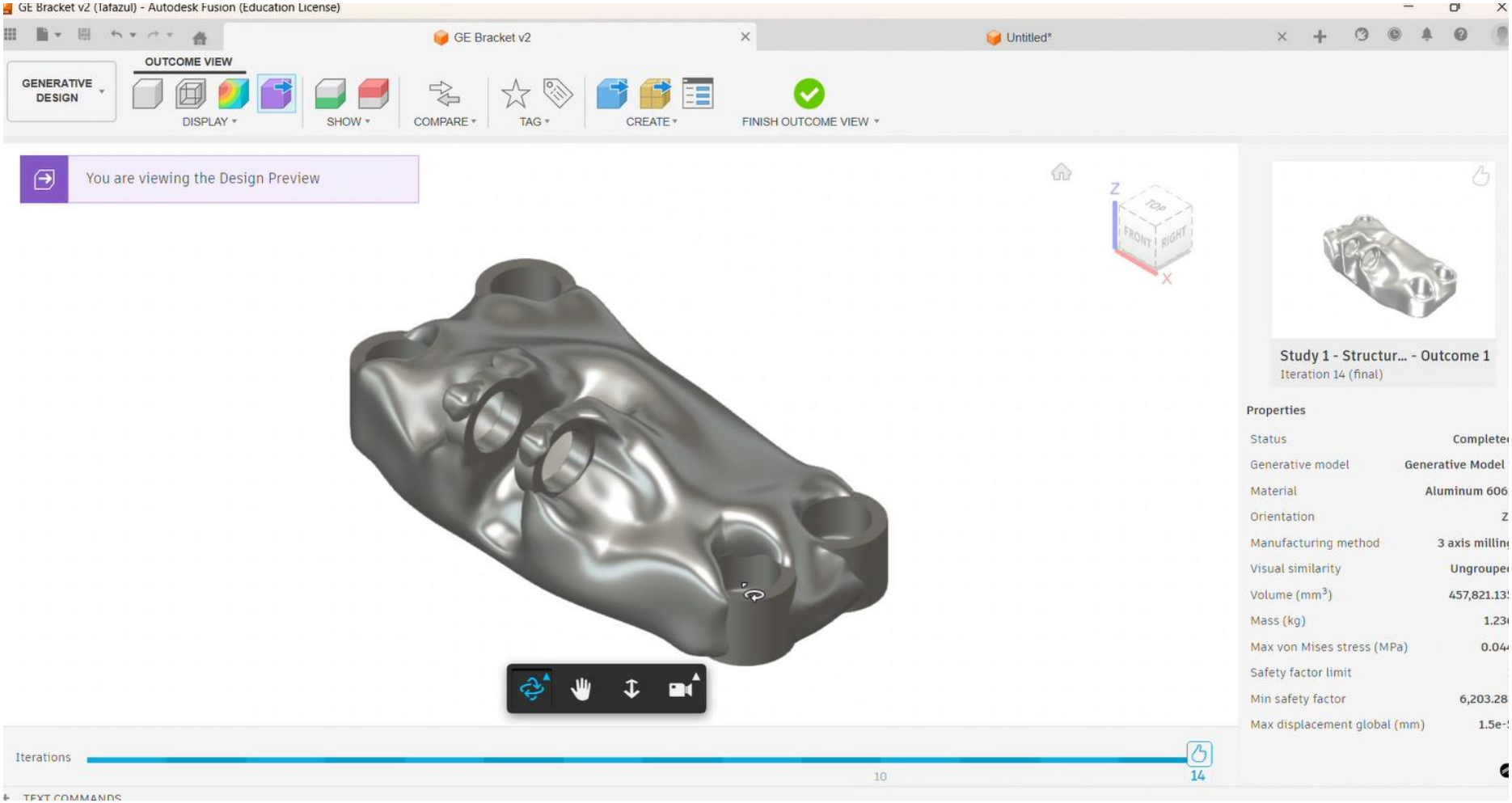
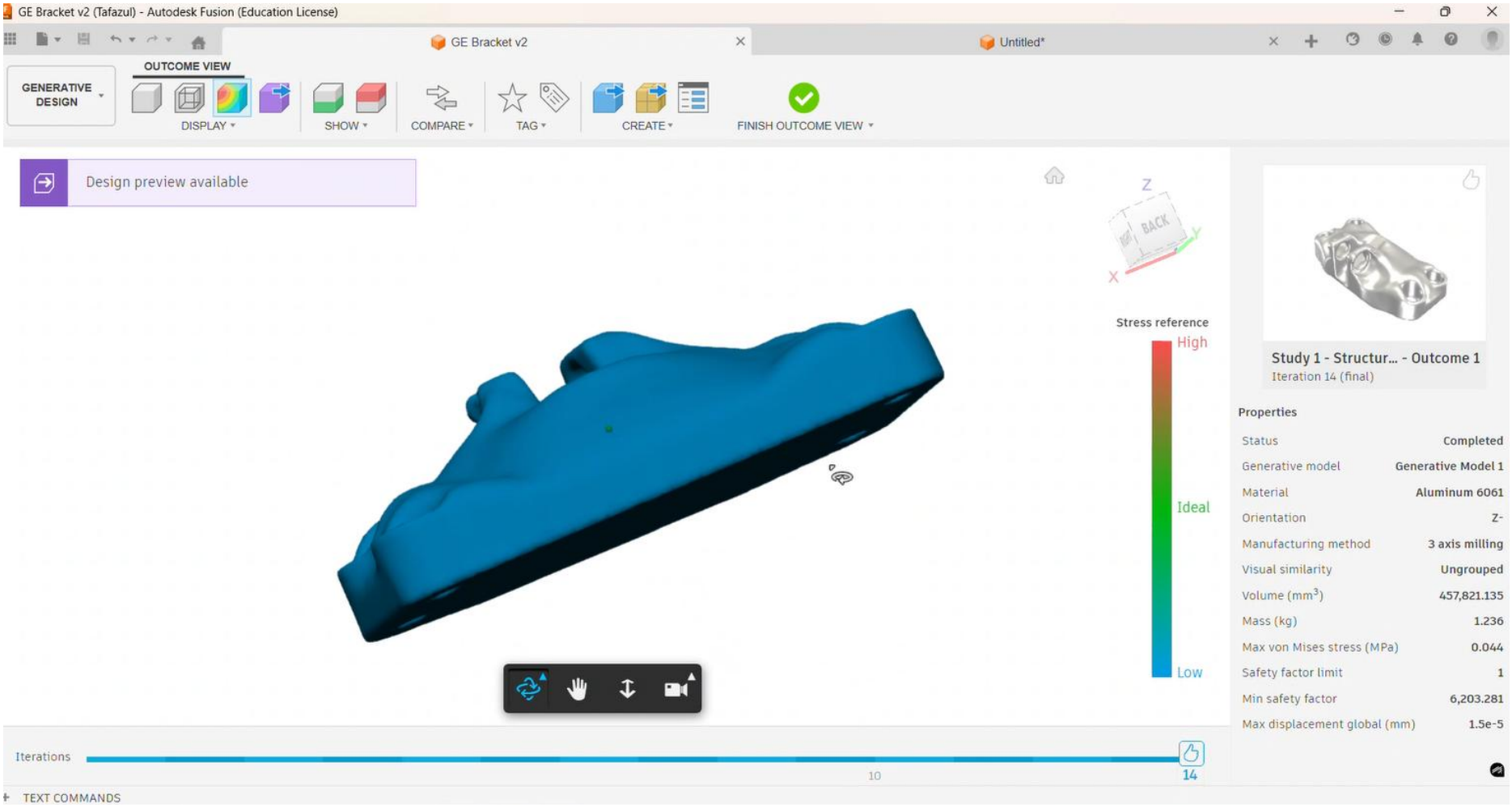
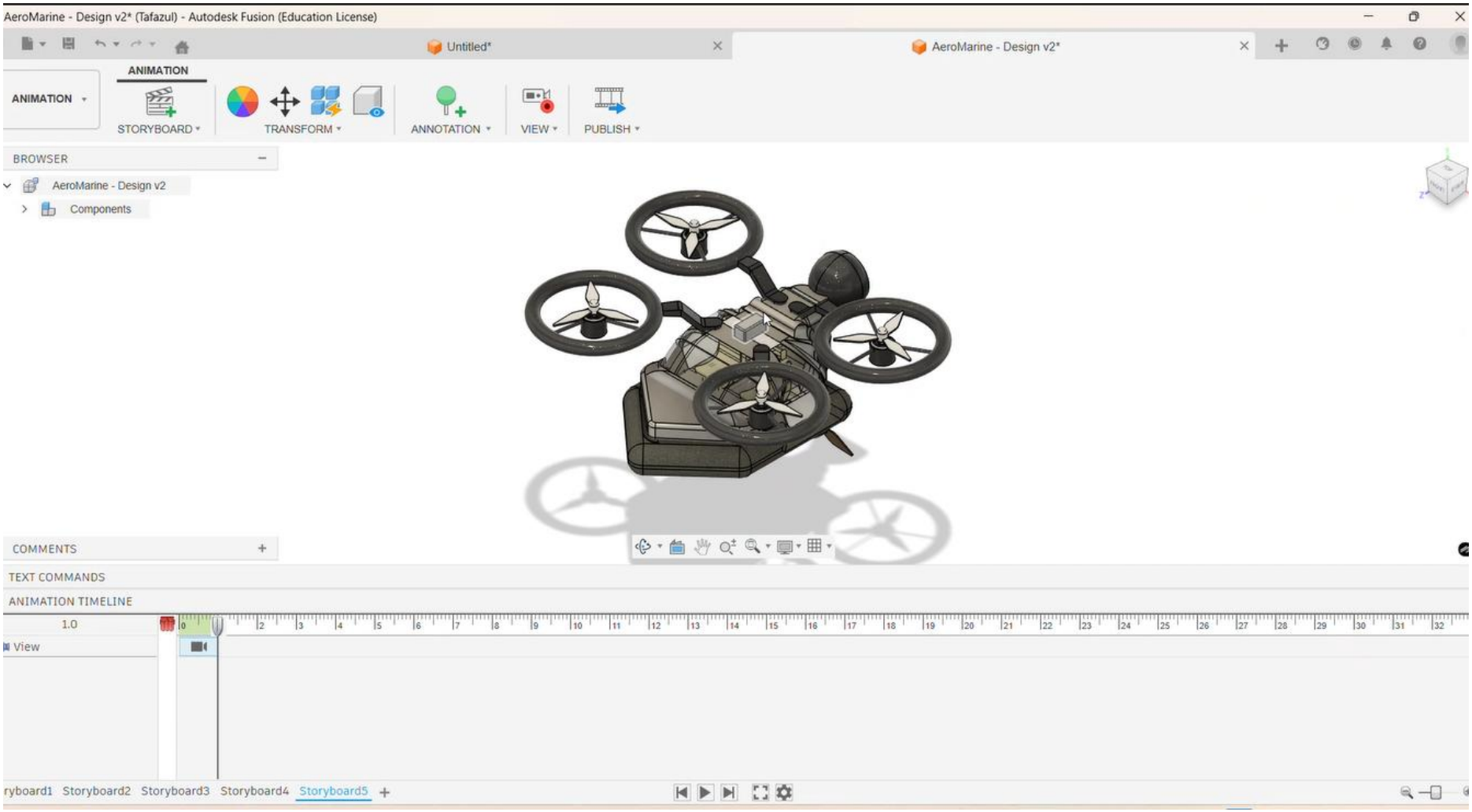
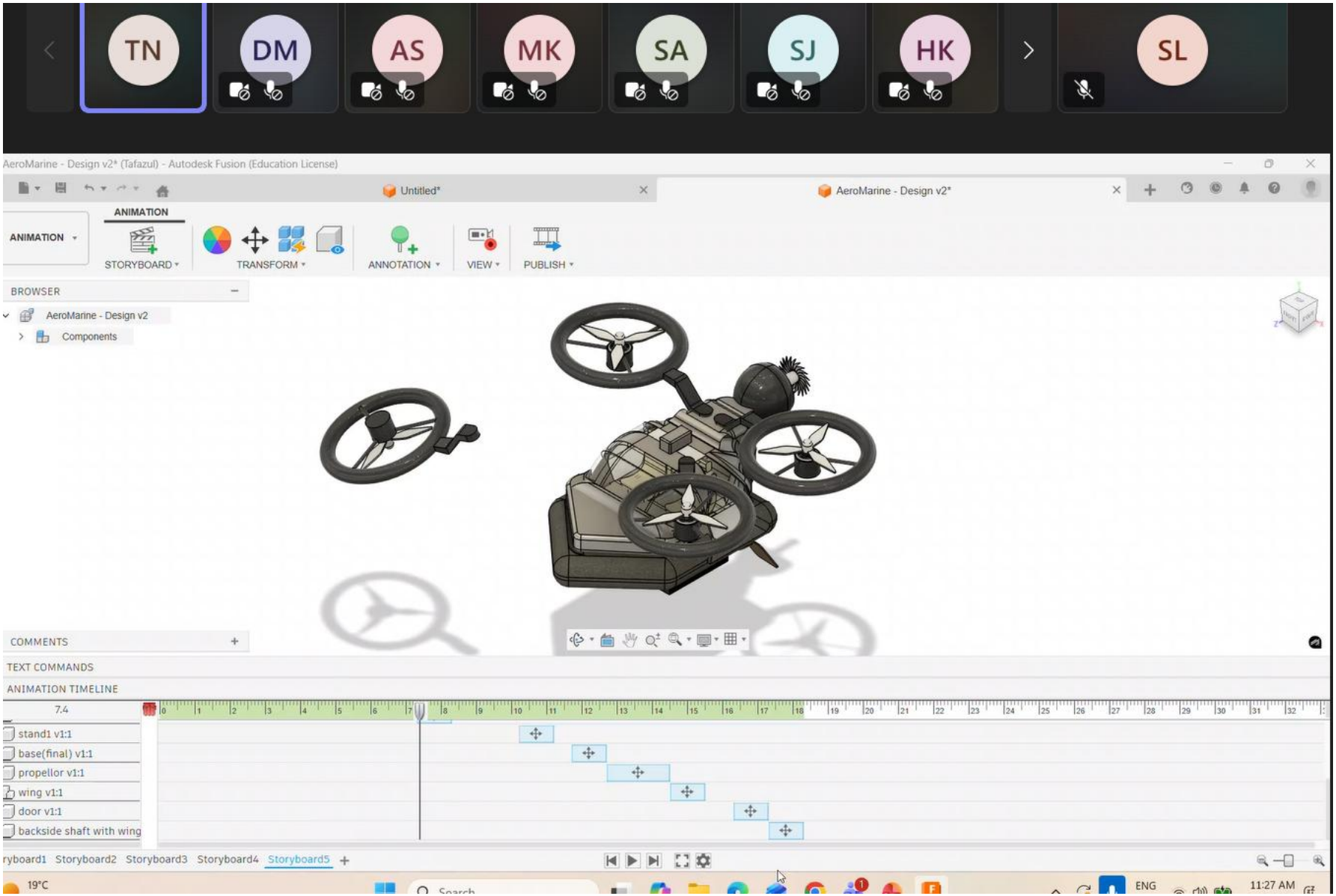
Untitled* - Autodesk Fusion (Education License)
Tafazul
GE Bracket v1*
Untitled*
Data
People
Upload
New Folder
BIT
3D DESIGN
PPTS
GE Bracket
7/4/2024 11:25 AM
V1
GENERATIVE DESIGN
DEFINE
STUDY
EDIT MODEL
DESIGN SPACE
DESIGN CONDI...
DESIGN CRITER...
MATERIALS
GENERATE
EXPLORE
INSPECT
SELECT
BROWSER
COMMENTS
TEXT COMMANDS
16°C
Sunny
Search
ENG
IN
10:45 AM
2/13/2026
Tafazul Nabi

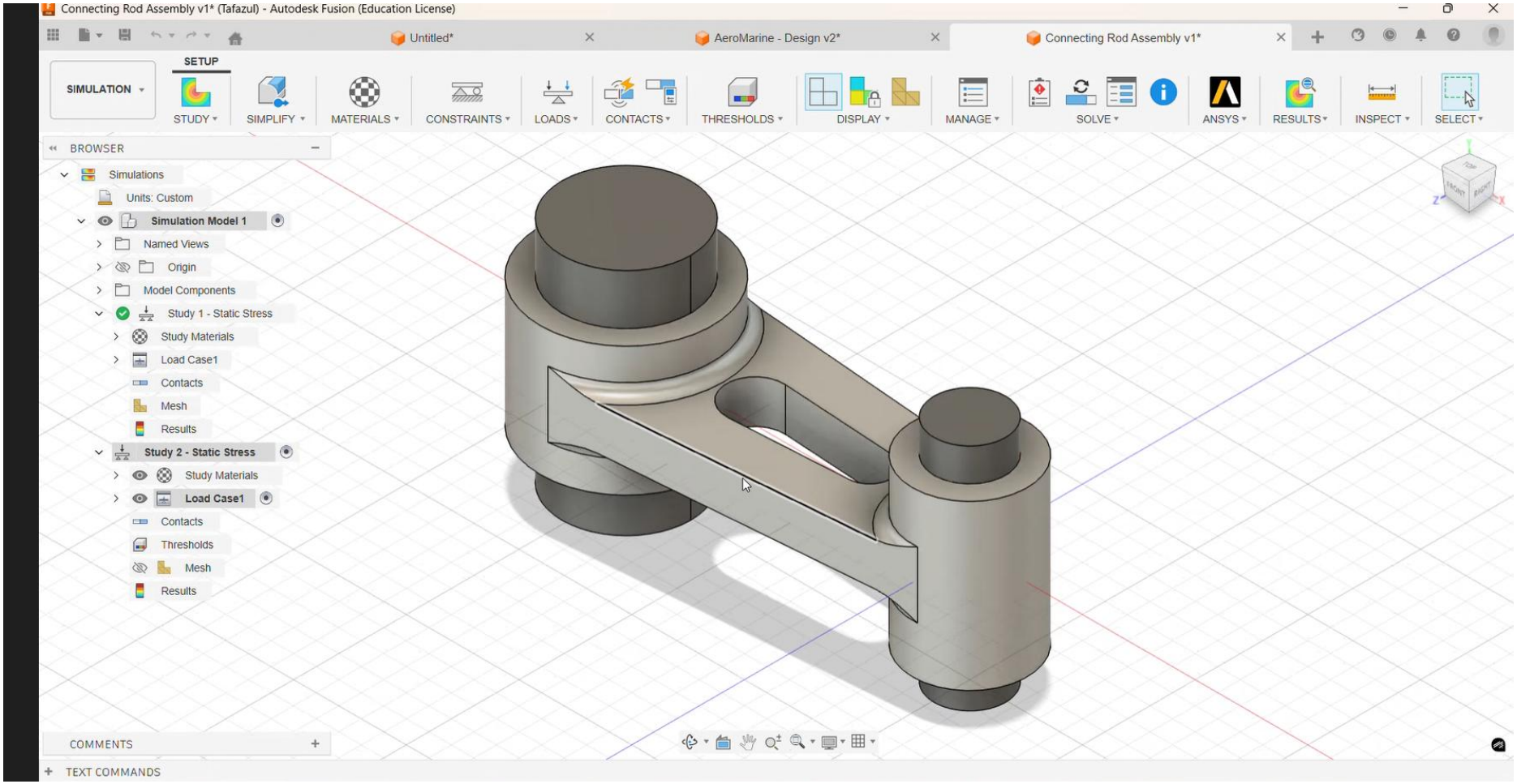

GE Bracket v1* - Autodesk Fusion (Education License)
GE Bracket v1*
Untitled*
DEFINE
GENERATIVE DESIGN
STUDY
EDIT MODEL
DESIGN SPACE
DESIGN CONDITIONS
DESIGN CRITERIA
MATERIALS
GENERATE
EXPLORE
INSPECT
SELECT
BROWSER
Units: Custom
Generative Model 1
Named Views
Origin
Model Components
GE_Bracket:1
Origin
Base:1
Ring 1:1
Ring 2:1
Pin:1
Fixed_Constraints:1
Study 1 - Structural Componer...
Preserve Geometry
Obstacle Geometry
Obstacle Offset
Starting Shape
Unassigned Geometry
Symmetry Planes
Objectives
Manufacturing
Load Case1
Study 2 - Structural Compor...
Preserve Geometry
COMMENTS
TEXT COMMANDS
STRUCTURAL LOADS
Type
Force
Targets
2 Faces
Force Per Entity
Direction Type
Flip Direction
Magnitude
10 N
Change Units
N
OK
Cancel
10 N
N
2 Faces | Min Distance : 22.225 mm

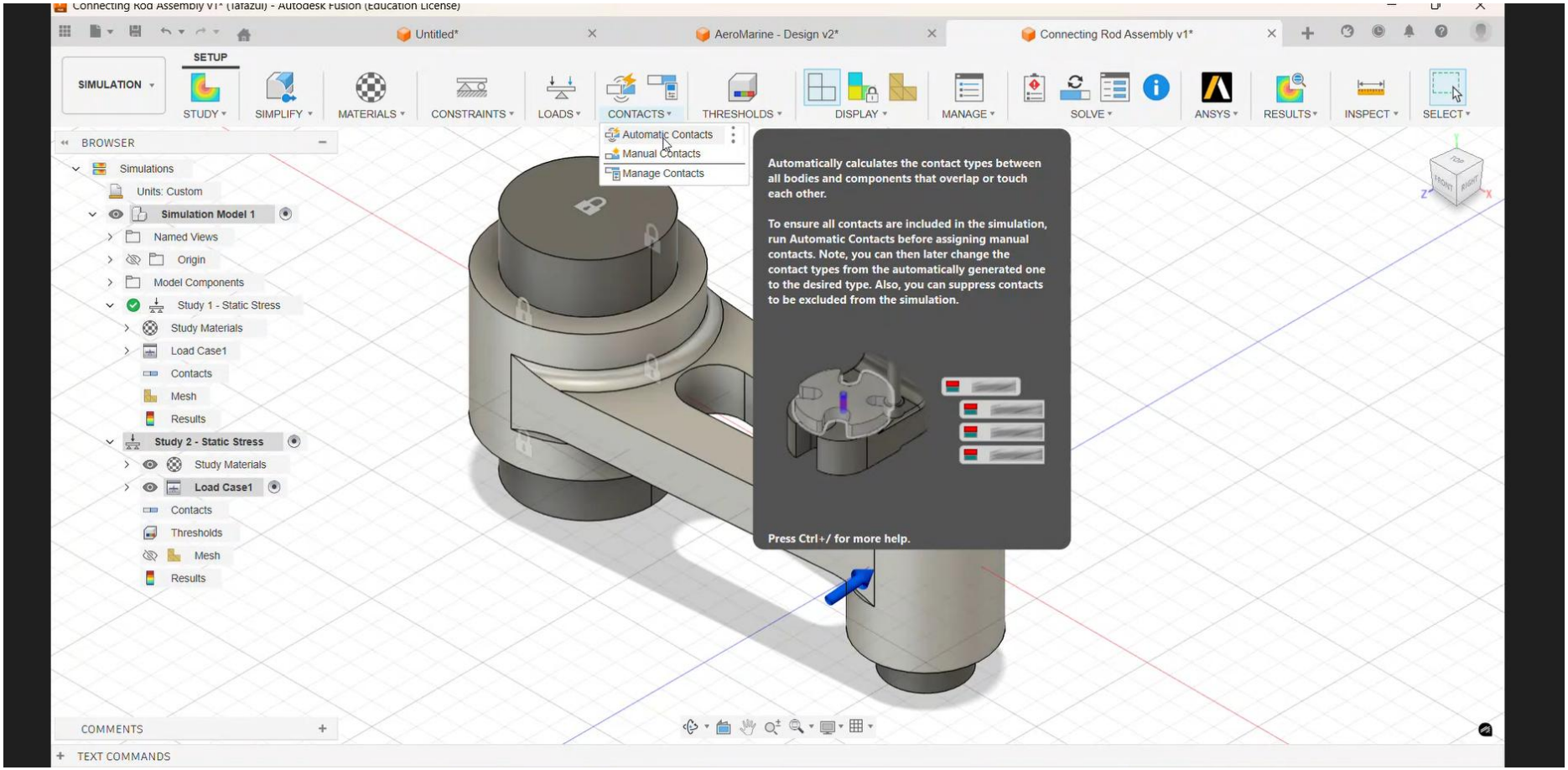

GE Bracket v2 (Tafazul) - Autodesk Fusion (Education License)
GE Bracket v2
Untitled*
GENERATIVE DESIGN
OUTCOME VIEW
DISPLAY
SHOW
COMPARE
TAG
CREATE
FINISH OUTCOME VIEW
You are viewing the Design Preview
TOP
FRONT
RIGHT
Z
X
Study 1 - Structur... - Outcome 1
Iteration 14 (final)
Properties
Status
Generative model
Material
Orientation
Manufacturing method
Visual similarity
Volume (mm³)
Mass (kg)
Max von Mises stress (MPa)
Safety factor limit
Min safety factor
Max displacement global (mm)
Iterations
10
14
TEXT COMMANDS

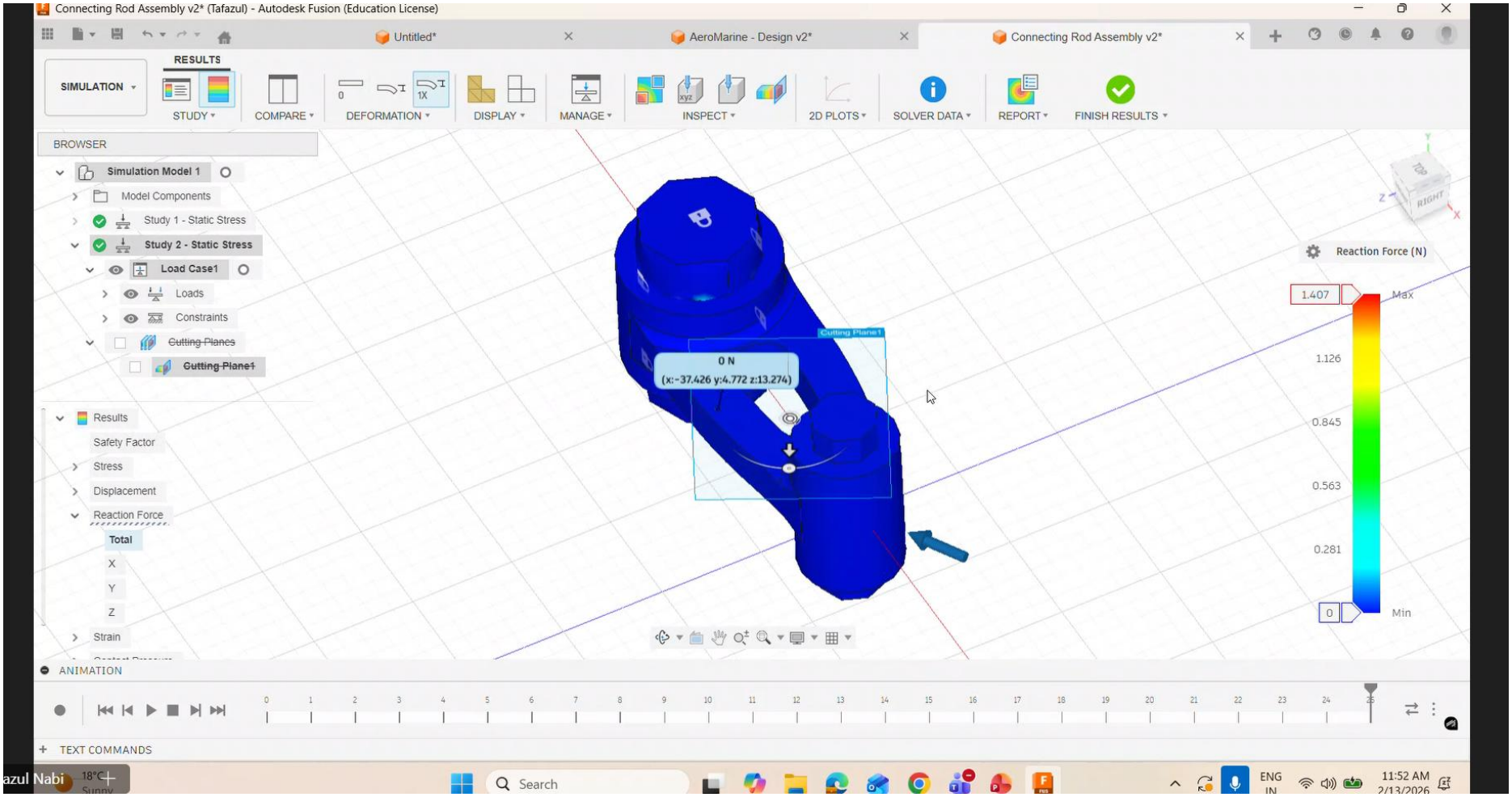

GE Bracket v2 (Tafazul) - Autodesk Fusion (Education License)
GE Bracket v2
Untitled*
GENERATIVE DESIGN
OUTCOME VIEW
DISPLAY
SHOW
COMPARE
TAG
CREATE
FINISH OUTCOME VIEW
Design preview available
Z
BACK
Y
X
Stress reference
High
Ideal
Low
Study 1 - Structur... - Outcome 1
Iteration 14 (final)
Properties
Status Completed
Generative model Generative Model 1
Material Aluminum 6061
Orientation Z-
Manufacturing method 3 axis milling
Visual similarity Ungrouped
Volume (mm³) 457,821.135
Mass (kg) 1.236
Max von Mises stress (MPa) 0.044
Safety factor limit 1
Min safety factor 6,203.281
Max displacement global (mm) 1.5e-5
Iterations
10
14
TEXT COMMANDS

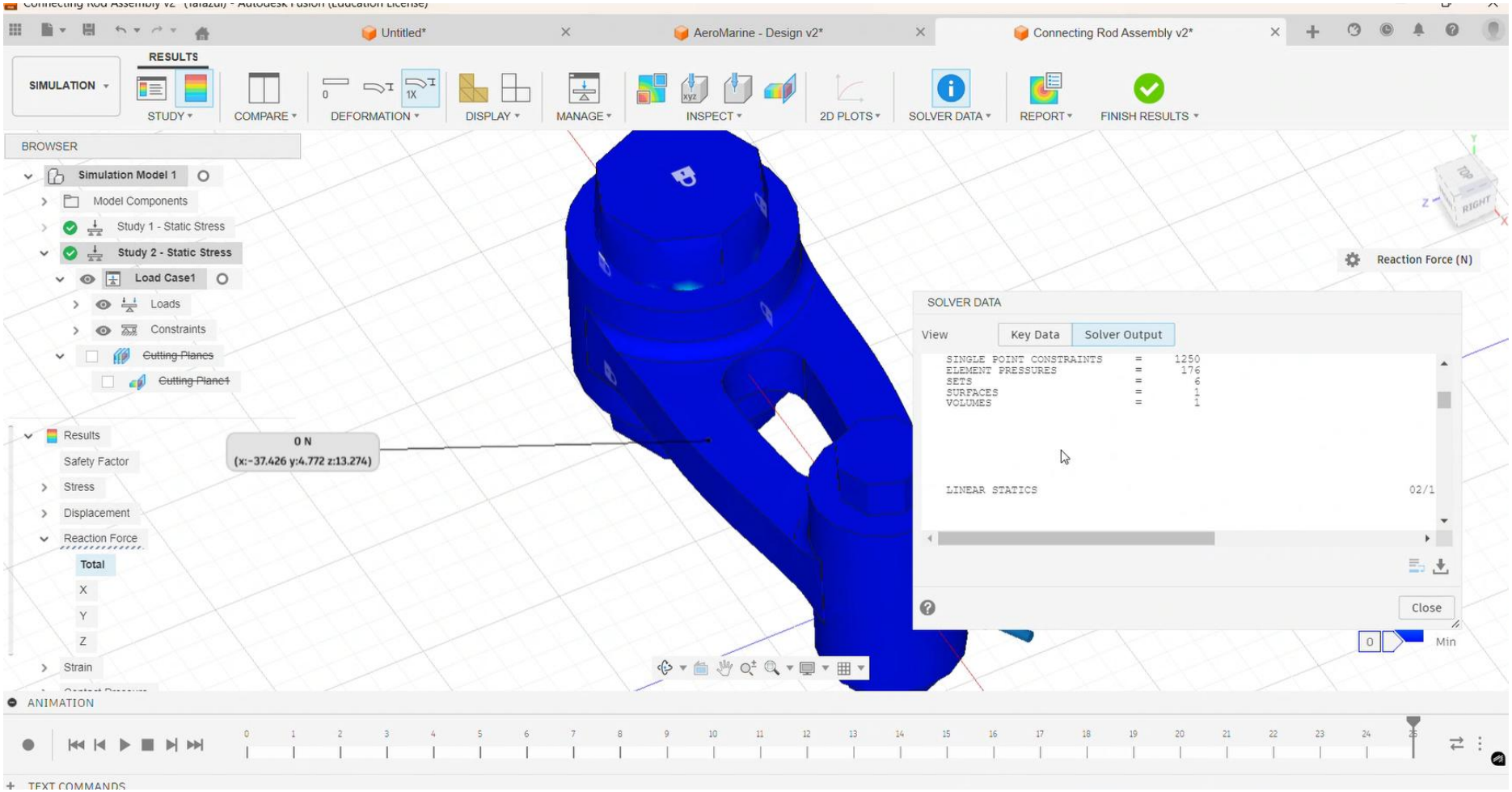

AeroMarine - Design v2* (Tafazul) - Autodesk Fusion (Education License)
Untitled*
AeroMarine - Design v2*
ANIMATION
ANIMATION
STORYBOARD
TRANSFORM
ANNOTATION
VIEW
PUBLISH
BROWSER
AeroMarine - Design v2
Components
COMMENTS
TEXT COMMANDS
ANIMATION TIMELINE
1.0
View
ryboard1
Storyboard2
Storyboard3
Storyboard4
Storyboard5

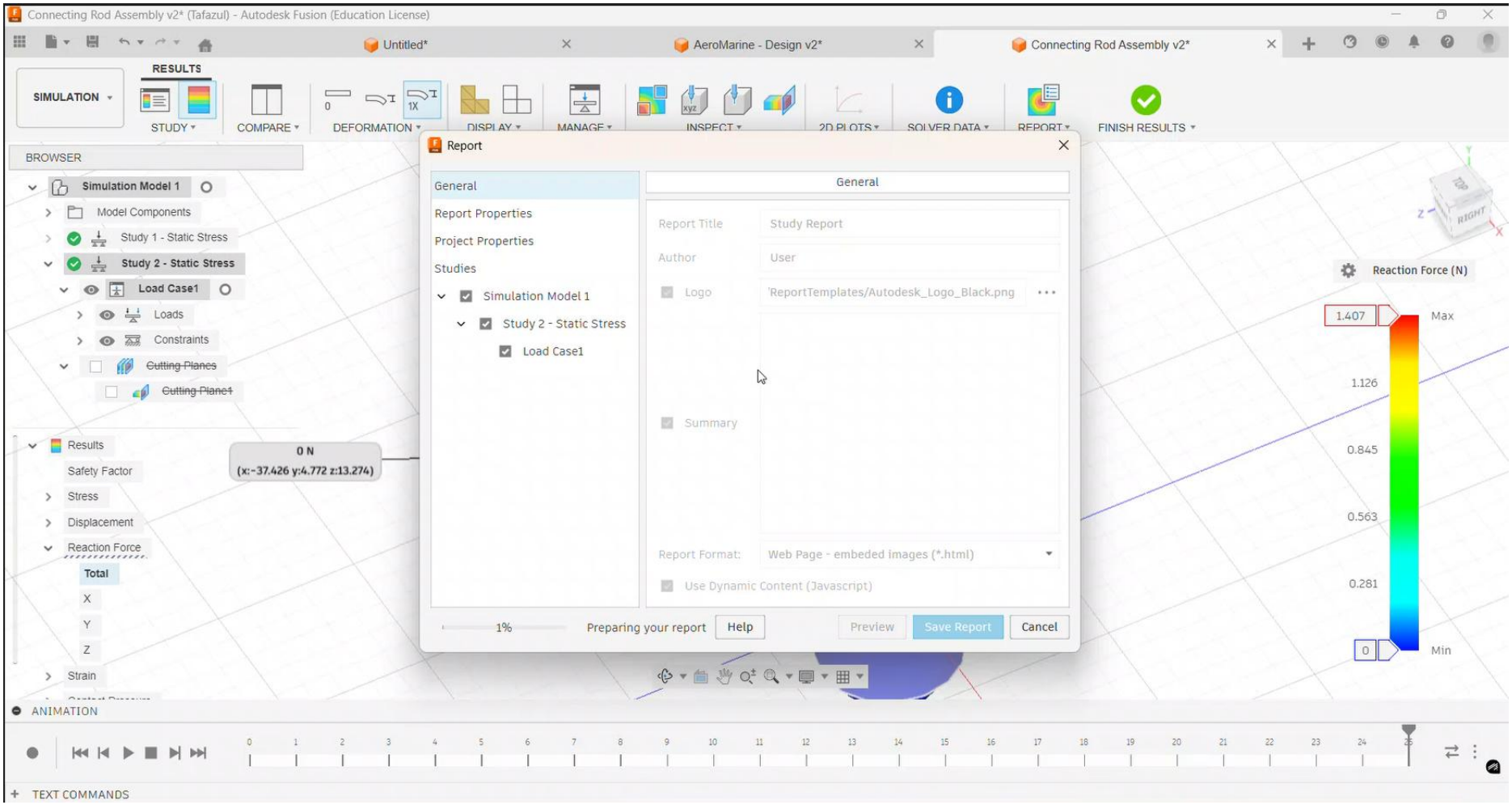

TN
DM
AS
MK
SA
SJ
HK
SL
AeroMarine - Design v2* (Tafazul) - Autodesk Fusion (Education License)
Untitled*
AeroMarine - Design v2*
ANIMATION
STORYBOARD
TRANSFORM
ANNOTATION
VIEW
PUBLISH
BROWSER
AeroMarine - Design v2
Components
COMMENTS
TEXT COMMANDS
ANIMATION TIMELINE
stand1 v1:1
base(final) v1:1
propellor v1:1
wing v1:1
door v1:1
backside shaft with wing
Storyboard1
Storyboard2
Storyboard3
Storyboard4
Storyboard5
19°C
ENG
11:27 AM


Connecting Rod Assembly v1* (Tafazul) - Autodesk Fusion (Education License)
Untitled*
AeroMarine - Design v2*
Connecting Rod Assembly v1*
SIMULATION
SETUP
STUDY
SIMPLIFY
MATERIALS
CONSTRAINTS
LOADS
CONTACTS
THRESHOLDS
DISPLAY
MANAGE
SOLVE
ANSYS
RESULTS
INSPECT
SELECT
BROWSER
Simulations
Units: Custom
Simulation Model 1
Named Views
Origin
Model Components
Study 1 - Static Stress
Study Materials
Load Case1
Contacts
Mesh
Results
Study 2 - Static Stress
Study Materials
Load Case1
Contacts
Thresholds
Mesh
Results
COMMENTS
TEXT COMMANDS


Connecting Rod Assembly v1* (Tarazul) - Autodesk Fusion (Education License)
Untitled*
AeroMarine - Design v2*
Connecting Rod Assembly v1*
SIMULATION
SETUP
STUDY
SIMPLIFY
MATERIALS
CONSTRAINTS
LOADS
CONTACTS
THRESHOLDS
DISPLAY
MANAGE
SOLVE
ANSYS
RESULTS
INSPECT
SELECT
Automatic Contacts
Manual Contacts
Manage Contacts
BROWSER
Simulations
Units: Custom
Simulation Model 1
Named Views
Origin
Model Components
Study 1 - Static Stress
Study Materials
Load Case1
Contacts
Mesh
Results
Study 2 - Static Stress
Study Materials
Load Case1
Contacts
Thresholds
Mesh
Results
Automatically calculates the contact types between all bodies and components that overlap or touch each other.
To ensure all contacts are included in the simulation, run Automatic Contacts before assigning manual contacts. Note, you can then later change the contact types from the automatically generated one to the desired type. Also, you can suppress contacts to be excluded from the simulation.
Press Ctrl+/ for more help.
COMMENTS
TEXT COMMANDS

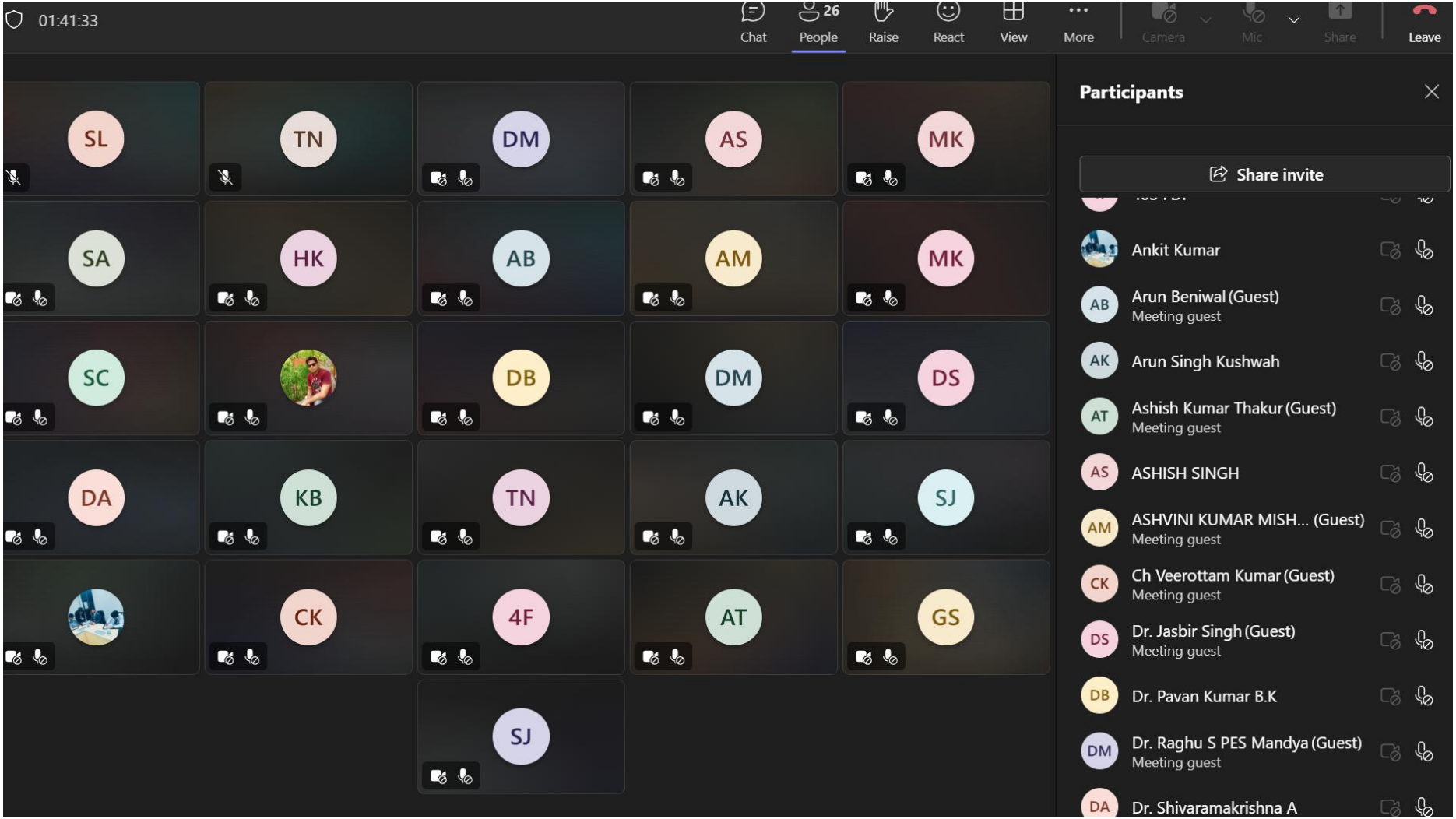

Connecting Rod Assembly v2* (Tafazul) - Autodesk Fusion (Education License)
Untitled*
AeroMarine - Design v2*
Connecting Rod Assembly v2*
SIMULATION
RESULTS
STUDY
COMPARE
DEFORMATION
DISPLAY
MANAGE
INSPECT
2D PLOTS
SOLVER DATA
REPORT
FINISH RESULTS
BROWSER
Simulation Model 1
Model Components
Study 1 - Static Stress
Study 2 - Static Stress
Load Case1
Loads
Constraints
Cutting Planes
Cutting Plane1
Results
Safety Factor
Stress
Displacement
Reaction Force
Total
X
Y
Z
Strain
0 N
(x:-37.426 y:4.772 z:13.274)
Reaction Force (N)
1.407
Max
1.126
0.845
0.563
0.281
0
Min
ANIMATION
TEXT COMMANDS
Search
ENG
IN
11:52 AM
2/13/2026

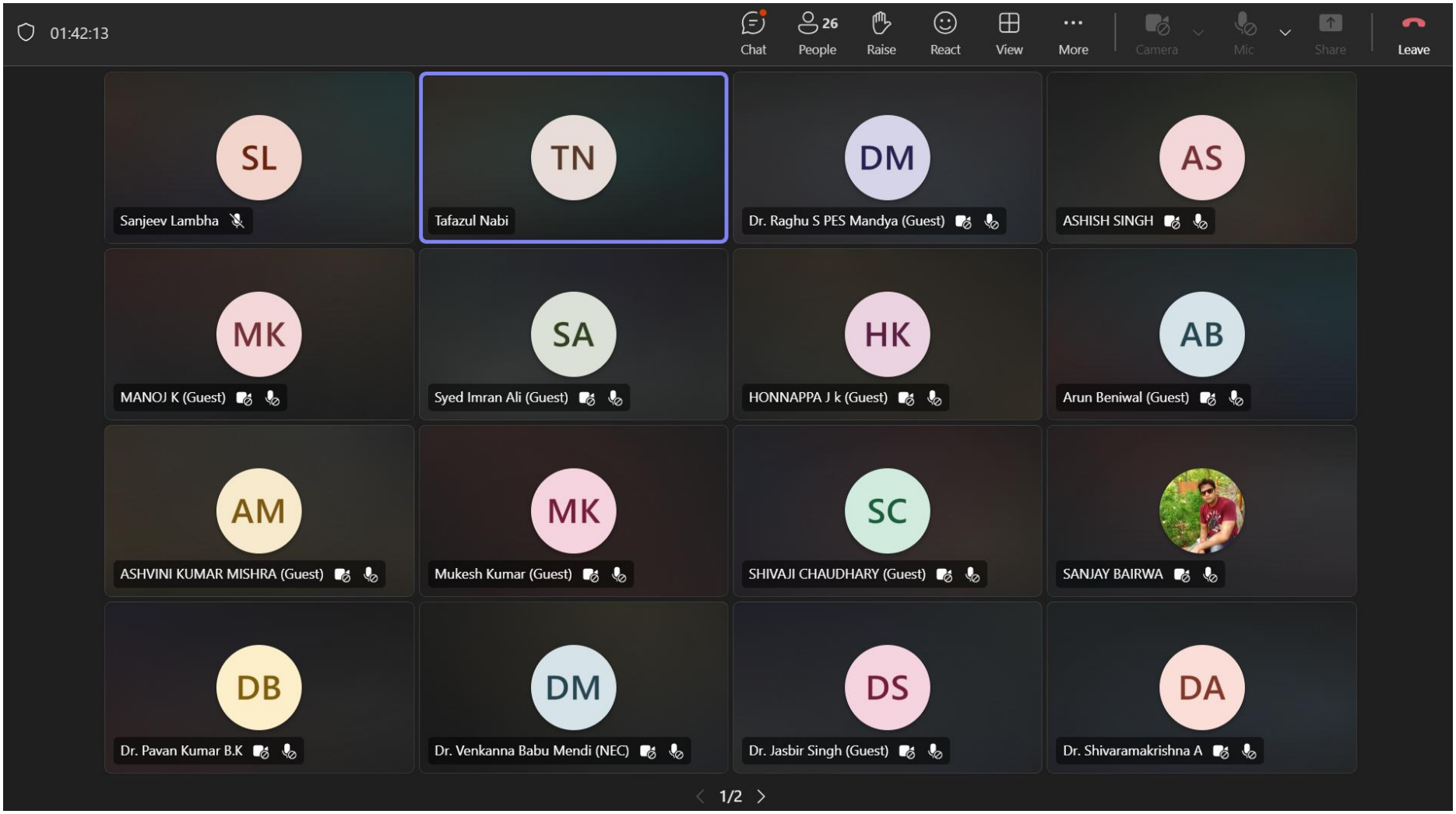

Untitled*
AeroMarine - Design v2*
Connecting Rod Assembly v2*
SIMULATION
RESULTS
STUDY
COMPARE
DEFORMATION
DISPLAY
MANAGE
INSPECT
2D PLOTS
SOLVER DATA
REPORT
FINISH RESULTS
BROWSER
Simulation Model 1
Model Components
Study 1 - Static Stress
Study 2 - Static Stress
Load Case1
Loads
Constraints
Cutting Planes
Cutting Plane1
Results
Safety Factor
Stress
Displacement
Reaction Force
Total
X
Y
Z
Strain
0 N
(x:-37.426 y:4.772 z:13.274)
Reaction Force (N)
SOLVER DATA
View
Key Data
Solver Output
SINGLE POINT CONSTRAINTS = 1250
ELEMENT PRESSURES = 176
SETS = 6
SURFACES = 1
VOLUMES = 1
LINEAR STATICS 02/1
Close
Min
ANIMATION
TEXT COMMANDS



[Drawing | Autodesk]

[Generative design | Autodesk]


01:41:33
Chat
26
People
Raise
React
View
More
Camera
Mic
Share
Leave
SL
TN
DM
AS
MK
SA
HK
AB
AM
MK
SC
DB
DM
DS
DA
KB
TN
AK
SJ
CK
4F
AT
GS
SJ
Participants
Share invite
Ankit Kumar
AB
Arun Beniwal (Guest)
Meeting guest
AK
Arun Singh Kushwah
AT
Ashish Kumar Thakur (Guest)
Meeting guest
AS
ASHISH SINGH
AM
ASHVINI KUMAR MISH... (Guest)
Meeting guest
CK
Ch Veerottam Kumar (Guest)
Meeting guest
DS
Dr. Jasbir Singh (Guest)
Meeting guest
DB
Dr. Pavan Kumar B.K
DM
Dr. Raghu S PES Mandya (Guest)
Meeting guest
DA
Dr. Shivaramakrishna A


01:42:13
Chat
26
People
Raise
React
View
More
Camera
Mic
Share
Leave
SL
Sanjeev Lambha
TN
Tafazul Nabi
DM
Dr. Raghu S PES Mandya (Guest)
AS
ASHISH SINGH
MK
MANOJ K (Guest)
SA
Syed Imran Ali (Guest)
HK
HONNAPPA J k (Guest)
AB
Arun Beniwal (Guest)
AM
ASHVINI KUMAR MISHRA (Guest)
MK
Mukesh Kumar (Guest)
SC
SHIVAJI CHAUDHARY (Guest)
SANJAY BAIRWA
DB
Dr. Pavan Kumar B.K
DM
Dr. Venkanna Babu Mendi (NEC)
DS
Dr. Jasbir Singh (Guest)
DA
Dr. Shivaramakrishna A
1/2