

Kind Attn Mr Sandeep Magdum
TPO and Head, Institute Innovation Cell
Gharda Institute of Technology,
A/P - Lavel, Tal - Khed,
Ratnagiri Maharashtra - 415 708

Thank you for contacting ELENO. We are pleased to submit this proposal for Internship in CAD and CAE. We believe, our capabilities and business legacy makes ELENO an unmatched value-added partner that will help ensure the success of the internship and institute. Should you have any questions during the review and decision-making process please contact us.

Nachiket Phadke

Email: nachiket@elenoenergy.com

About ELENO:

(ELENO Energy LLP / ELENO Engineering Learning Center / ELENO Engineering LLC ,USA)

- ELENO Energy LLP is a services wing of ELENO Group with a dynamic, multifunctional and highly educated team of engineers based in Pune, India.
- Vision of our training centre is to provide comprehensive engineering knowledge in Product Development to the talented and ambitious engineering students.
- Having expertise in Automotive, Manufacturing, Defence and General Engineering domain, ELENO group offers Computer Aided Engineering (CAE) and Computer Aided Design (CAD) services and solutions for academics and spectrum industries
- ELENO team is expert in design of Electrical and Mechanical Systems for Defence and General Engineering Industry using Multi-physics solvers such as LSDYNA and Hypermesh
- ELENO is expert in High Explosive material and machinery testing in virtual environment using advance CAE technique.
- ELENO is led by Mr. Nachiket Phadke and Mr. Mayur Kulkarni

Infrastructure:

ELENO is located in the city of Pune, which has large number of engineering colleges and universities. Pune city also serves as home to several automobile companies and ancillaries. We are equipped with dedicated CAE lab that has state of art computer hardware infrastructure for large file handling and faster processing.

Training and Internship Details:

Who is Eligible:

- All SE-TE-BE and 2020Passout Students who are searching for Job from Mechanical / Production and Automobile Branch are Eligible
- All students studying in institutes within Konkan region and Overall Maharashtra region are eligible for this Training and Internship program specially curated.

What is in the training?

- This Training and Internship involves following
 - CAE Pre-processing for crashworthiness using Hypermesh
 - Product development using Fusion 360
- This is an Online Training Program with Self-Paced Learning Modules
- You will receive Training Certificate
- Training duration will be for 1 month
- Please check Appendix 1 and Appendix 2 for Hypermesh and Fusion 360 Training content.
- Total cost of Regular Training for Hypermesh and Fusion 360 combined is 12,999+3999 (respectively) = 17,998/-.
- To make sure students get max benefit and enter into CAE, **we have a special training fees as 4,999/- for Both Courses Combined** which is whopping **73% less than regular course.**
- Considered this as a **scholarship from ELENO** to all deserving students and faculty members.

Watch Preview Session for Hypermesh [here](#)

Watch Preview Session for Fusion 360 [here](#)

- This is the registration and Payment LINK .

[REGISTER HERE](#) (Ends Midnight 26th June 2021)

- There will be a unique WhatsApp Group or a Telegram Group where we all will communicate for all those who are joining this program

More about Internship

- You need to pass an aptitude test after finishing your training to be an intern at ELENO. There is no other criteria.
- At the end of Internship, every intern would have worked on projects as follows,
 - 4 submissions on Complex Automotive Components Mesh using Hypermesh platform
 - 4 submissions of 3D CAD on Fusion 360 platform
- The Intern presentation session is proposed to include Institute TPO, HOD, Professor and ELENO delegates.
- Internship duration will be 1.5 Months
- Stipend in form of money will not be provided instead,
- After completion of internship as per ELENO Standards, all those who successfully present their case will be getting FREE access to two more industrial courses,
 - LS-PrePost
 - Seating System Product Training

Watch Live session attended by 280+ Students on 22nd June 2021 LIVE

[Watch HERE](#)

Schedule

| | |
|---|---------------------------------------|
| Start Date of Self-Paced Training (Hypermesh and Fusion) | 27 th June 2021 |
| Last date of registration for Training and Internship Program <u>REGISTER HERE</u> | 26 th June 2021 (Midnight) |
| Assessment Date for Internship | 22 nd July 2021 |
| Start of Internship | 24 th July 2021 |
| End of Internship | 31 st Aug 2021 |
| Internship Letter Handover Ceremony (Virtual Program) | 3 rd Sep 2021 |

We hope to have a strong association with All TPOs and students across Maharashtra and look forward to work with you all to make our Nation a Strong Design and Manufacturing hub.

[Nachiket Phadke \(bit.ly/nachiketphadke\)](https://bit.ly/nachiketphadke)

Join us on Telegram: <https://bit.ly/tg-lsdyna>

Follow us on Facebook: <https://bit.ly/fb-fealsdyna>

Follow us on LinkedIn: <https://www.linkedin.com/company/eleno-engineering-learning-center>

Subscribe to our YouTube channel: <https://bit.ly/yt-elenoelc>



APPENDIX 1**1. Full Hypermesh Training for Mechanical & Civil Engineers**

| <i>Execution and Syllabus for Hypermesh training Program</i> | |
|--|---|
| Sessions | Content of Training |
| Session 1 | Understanding FEA Technology and what is discretization (Meshing) |
| Session 2 | Complete know how of the tool commands |
| Session 3 & 4 | Creating basic geometric shape using Hypermesh |
| Session 5 | Prerequisite for meshing and Mid surface meshing |
| Session 6 & 7 | Understanding mesh quality requirements and geometry cleanup |
| Session 8 | 1-D Meshing for beam components |
| Session 9 to Session 12 | 2-D Shell meshing on midsurface for Sheet metal components |
| Session 13 & 14 | 3-D Volume Tetra meshing |
| Session 15 to Session 19 | 2D Plastic Meshing |
| Session 20 | Miscellaneous |



APPENDIX 2

Fusion 360 Training Program



Day-1: Fusion 360 : Introduction to interface

  Session-1 : Introduction to interface (126:05)



Day-2: Fusion 360 : Sketch to Extrude

  Session-2 : Sketch to Extrude (70:29)



Day-3: Fusion 360 : Extrude to 3D Parameters

  Session-3 : Extrude to 3D Parameters (41:28)


Day-4: Fusion 360 : Extrusion to modification command

  Session-4 : Extrusion to modification command (48:52)



Day-5: Fusion 360 : Modify to construct

  Session-5 : Modify to construct (85:10)



Day-6: Fusion 360 : Constraint ,Inspection, Insert and Selection

  Session-6 : Constraint ,Inspection, Insert and Selection (60:50)

Day-7: Fusion 360 : Surfacing to modify


  Session-7 : Surfacing to modify (51:43)

Day-8: Fusion 360 : Form feature to Modify

  Session-8 : Form feature to Modify (86:08)

Day-9: Fusion 360 : Form modify to Utilities



Day-11: Fusion 360 : Assembly of Plummer Block

  Session-11 : Assembly of Plummer Block (114:39)

Day-12: Fusion 360 : Assembly_2

  Session-12 : Assembly_2 (67:32)



Day-13 Fusion 360 : Design To Drawing

  Session-13 : Design To Drawing (106:12)



Day-14: Fusion 360 : Drawing_2

  Session-14 : Drawing_2 (88:58)



Day-15: Fusion 360 : Revision about Form

  Session-15 : Revision about Form (116:06)



Day-16: Fusion 360 : Practice Models

  Session-16 : Practice Models (61:35)


Day-17: Fusion 360 : Rendering

  Session-17 : Rendering (111:20)

Day-18: Fusion 360 : Animation to Generative Design

  Session-18 : Animation to Generative Design (45:09)

Day-19: Fusion 360 : Generative Design

  Session-19 : Generative Design (136:54)

Day-20: Fusion 360 : Generative Design_2