



राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान, कालीकट
National Institute of Electronics & Information Technology, Calicut



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India

On-line Courses Prospectus

ISO 9001-2015 Certified

INDUSTRIAL TRAINING IN REVERSE ENGINEERING AND ITS APPLICATIONS

Starting Date: 15th Feb 2023
Duration: 10 Days, 2Hrs daily

Course Description

Reverse Engineering (RE) has become an important Engineering tool for designing, manufacturing, retrofitting and many other applications. Applying reverse engineering methodologies allow engineers to develop new customized products and systems for specific application. This course Introduces students to existing Reverse Engineering techniques and its application in a detailed way. The main objectives are

- Provide detailed knowledge on RE methodology and tools.
- Understand various implemented RE technologies.
- To familiarize the application and to explore the possibilities of RE in various fields

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Who can attend?

Any under graduate/diploma student with basic knowledge of manufacturing.

- Students pursuing Engineering
- Professionals working on design & Engineering
- Research students
- Teaching professionals & faculties

Course Content

| Session | Topic | Day |
|---------|---|-----|
| 1. | Light based 3D scanning. | 1,2 |
| 2. | CT Scanning & MRI Scanning. | 3,4 |
| 3. | Laser scanning. | 5 |
| 4. | Coordinate measuring machine (CMM). | 6 |
| 5. | Photogrammetry. | 7 |
| 6. | Application of Reverse engineering | 8,9 |
| 7. | Application of Reverse engineering In Medical Field | 10 |

***No Class on Saturdays and Sundays**

Prerequisite

- Knowledge of Designing and Engineering
- Basic knowledge of computers
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Certificate

E-Certificate of participation will be mailed through registered email id after the completion of the course.

Fee and important dates

| | |
|--|--------------------------------------|
| Fee | Rs. 3000/- (Including GST) |
| Last date for registration & payment | 14th February 2023 |
| Sharing of Link / passwords & other details | 14th February 2023 |

Minimum Requirements

- Attendees must have a computer system with a good internet connection.

Link to attend the course shall be forwarded on **14th February 2023**

Faculty Profile

Qualification and experience of the faculty handling the sessions

Mr. Harikrishnan K. R., 6 years' Experience in Industrial designing and academics

Course Coordinator

Mr. Harikrishnan K. R.

Project Engineer

9633890696(M), 0495 2287266- Exn-209(O)

Email: harikrishnan@calicut.nielit.in

Terms and Conditions

1. *In case any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.*
2. *In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

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Twitter: https://twitter.com/CAL_NIELIT

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Autonomous Scientific Society of
Ministry of Electronics & Information Technology,
Govt. of India



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