



**Beyond Curriculum Training
On
"Advanced Shell Programming"**



Date: 04/01/2021 to 15/01/2021

Organized by
Narula Institute of Technology

81, Nilgunj Road, Agarpara,
Kolkata – 700 109

Training Overview

This course offers an additional value and focuses on shell programming for Linux, Unix and Mac. The course also helps to understand how to write shell scripts like a pro and solve real-world problems.

Training Objective

To provide the advance skills in depth to write shell scripts like a pro, solve real-world problems, or automate repetitive and complex tasks, read on.

Course Outcomes

After completion of this course students will be able to

- Write shell scripts that can be used on Linux, Mac, and Unix operating systems.
- Create complex scripts that take advantage of advanced bash shell features.
- Automate tasks using shell scripts.

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Course Content

Module 1: Shell Scripting, Succinctly

Section Introduction

Shell Scripting

Practice Exercises

Module 2: Exit Statuses and Return Codes

Exit Status Demo

Practice Exercises

Module 3: Functions

Module 4: Shell Script Check List and Template

Module 5: Wildcards

Wildcard Introduction

Wildcards in Shell Scripts

Wildcard Scripting Demo

Module 6: Case Statements

Module 7: Logging

Module 8: While Loop

Module 9: Debugging

Debugging Essentials

Module 10: Data Manipulation and Text Transformations with Sed