SHETTY INSTITUTE OF TECHNOLOGY, KALABURAGI

Date: 28-08-2018

CIRCULAR

All the Students are hereby informed to attend the Certification course on **"ANALYTICAL REASONING SKILLS"** from 03/9/18 onwards in Seminar Hall without fail. Attendance will be recorded every day.

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CERTIFICATION COURSE

SYLLABUS

ACADEMIC YEAR 2018-2019

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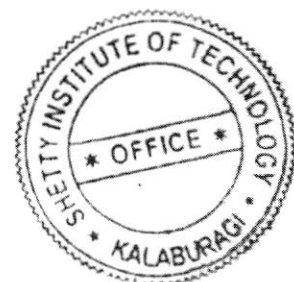Shetty Institute of Technology
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ANALYTICAL SKILLS

Types of Analytical Skills

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ANALYTICAL REASONING SKILLS

Course Description

- Learn how to solve problems by analyzing them carefully.
- Practice recognizing patterns and making logical decisions using real-life examples.
- Develop skills in thinking critically, which is important for school and work.

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Module 1: Introduction to Analytical Reasoning

- Definition and Importance of Analytical Reasoning.
- Types of Analytical Reasoning Questions.
- Basic Principles and Strategies.

Module 2: Logical Deduction

- Understanding Premises and Conclusions.
- Identifying Assumptions.
- Drawing Valid Conclusions.
- Practice Exercises and Examples.

Module 3: Pattern Recognition

- Identifying Patterns in Numbers and Letters.
- Sequencing and Series Completion.
- Visual and Spatial Reasoning.
- Practice Exercises and Examples.

Module 4: Data Interpretation

- Understanding Data Sets (Tables, Graphs, Charts).
- Analyzing and Interpreting Data.
- Drawing Inferences from Data.
- Practice Exercises and Examples.

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Date: 12-11-2018

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All the Students are hereby informed to attend the Certification course on **"PERSONAL DEVELOPMENT AND GROOMING"** from 19-12-2018 onwards in Seminar Hall without fail. Attendance will be recorded every day.

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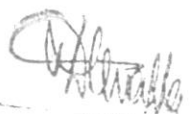Shetty Institute of Technology
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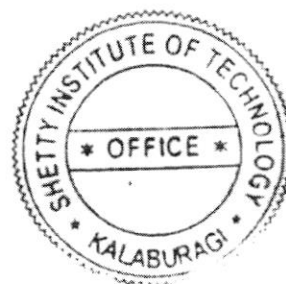# SHETTY INSTITUTE OF TECHNOLOGY KALABURAGI
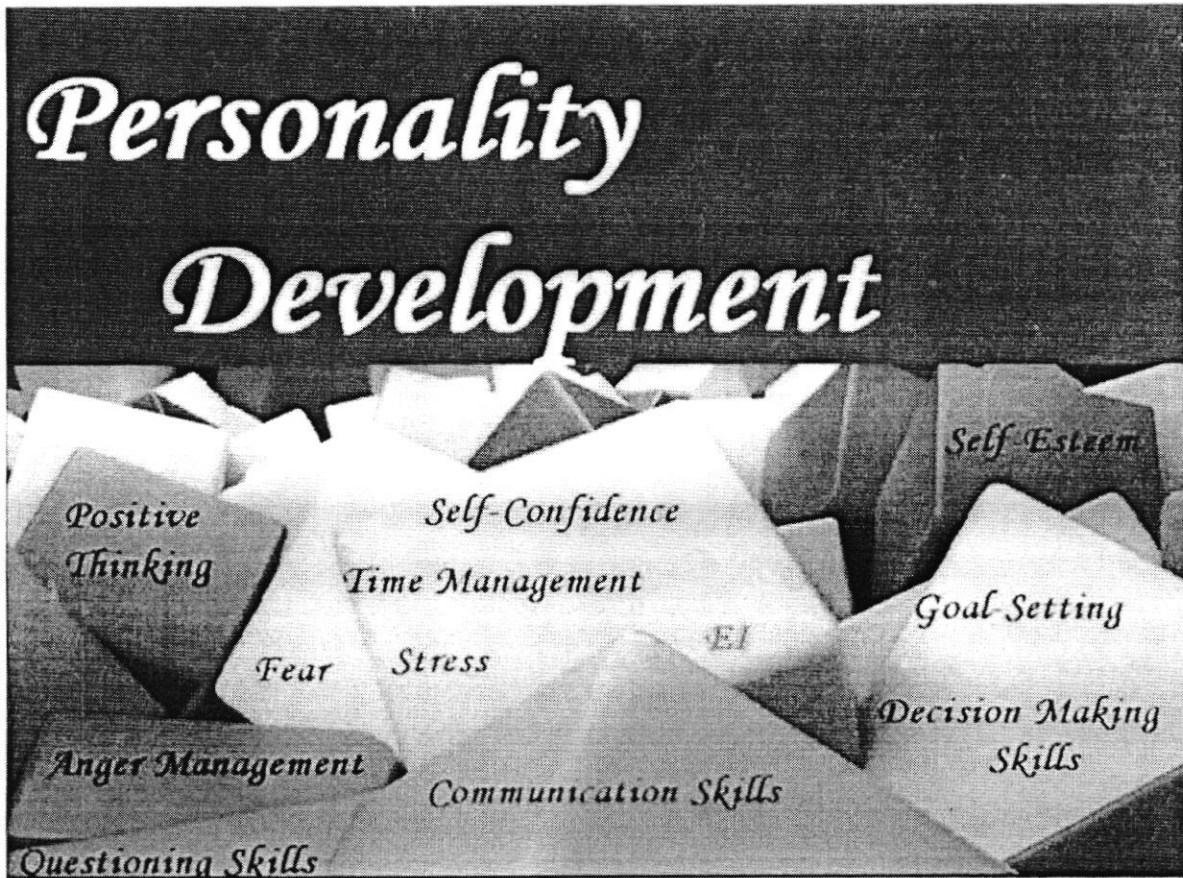
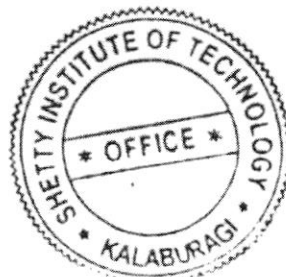# CERTIFICATION COURSE

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ACADEMIC YEAR 2018-2019

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PERSONAL DEVELOPMENT AND GROOMING

Course Objectives

- Develop self-awareness and emotional intelligence.
- Enhance interpersonal skills and effective communication.
- Improve professional etiquette and personal grooming standards.

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Module 1: Self-Discovery and Goal Setting

- Assessing personal strengths and weaknesses.
- Setting SMART goals for personal development.

Module 2: Building Confidence and Assertiveness

- Techniques to boost self-confidence.
- Assertiveness training for effective communication.

Module 3: Effective Communication Skills

- Verbal and non-verbal communication techniques.
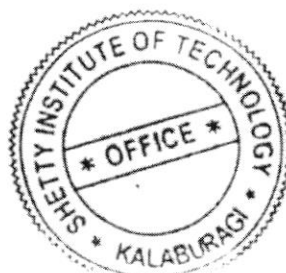- Active listening and empathy building.

Module 4: Professional Etiquette and Image Management

- Business etiquette and protocol.
- Personal grooming and professional appearance.

Module 5: Time Management and Productivity

- Strategies for effective time management.
- Goal prioritization and task delegation.

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All the Students are hereby informed to attend the Certification course on **"PROBLEM-SOLVING AND CRITICAL THINKING"** from 1-Jan-19 onwards in Second Floor Seminar Hall. Attendance will be recorded every day.

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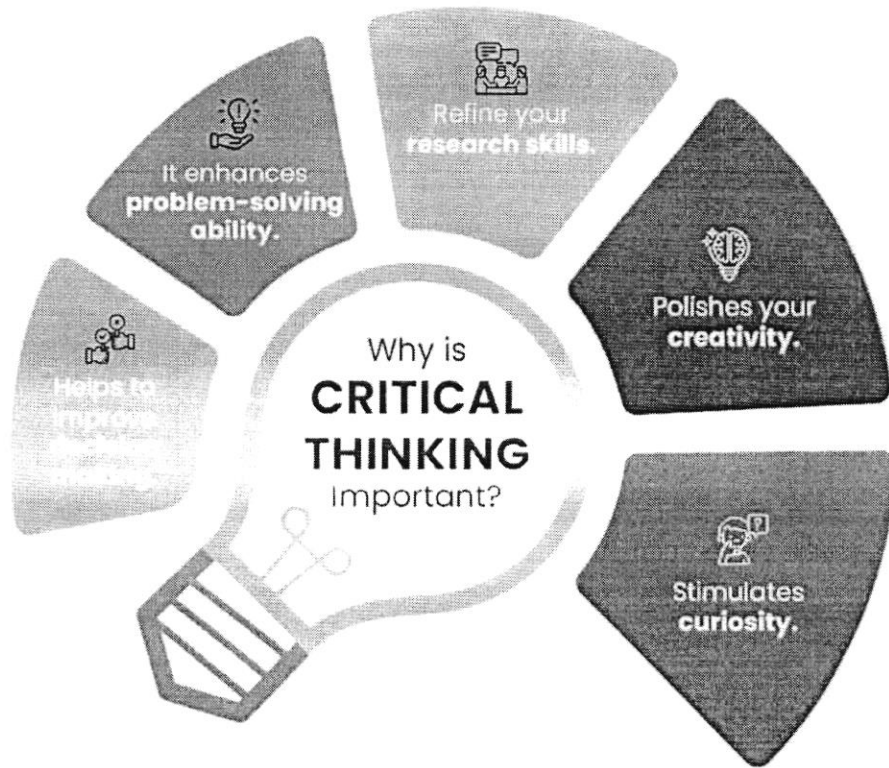# SHETTY INSTITUTE OF TECHNOLOGY KALABURAGI

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ACADEMIC YEAR 2018-2019

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SHETTY INSTITUTE OF TECHNOLOGY
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Why is **CRITICAL THINKING** Important?

- It enhances **problem-solving ability.**
- Refine your **research skills.**
- Polishes your **creativity.**
- Stimulates **curiosity.**
- Helps to improve

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PROBLEM-SOLVING AND CRITICAL THINKING

Course Objective:

- Develop analytical skills to identify and define problems.
- Enhance the ability to generate and evaluate solutions effectively.
- Foster creativity in exploring multiple perspectives and alternatives.
- Improve decision-making through logical reasoning and evidence-based evaluation.

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Module 1: Introduction to Critical Thinking

- Definition and importance of critical thinking.
- Elements of reasoning and intellectual standards.

Module 2: Problem Identification and Definition

- Techniques for identifying and defining problems.
- Formulating clear and concise problem statements.

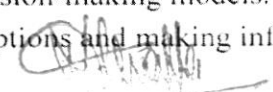### Module 3: Analyzing Information

- Gathering and evaluating relevant information.
- Differentiating between facts and opinions.

Module 4: Developing Solutions

- Generating alternative solutions and strategies.
- Applying creativity and innovation in problem-solving.

Module 5: Decision Making

- Rational decision-making models.
- Evaluating options and making informed decisions.

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SHETTY INSTITUTE OF TECHNOLOGY, KALABURAGI

Date: 15 March 2019

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All the Students are hereby informed to attend the Certification course on "AUTOMATION TESTING" from 20-Mar-19 onwards in Seminar Hall without fail. Attendance will be recorded every day.

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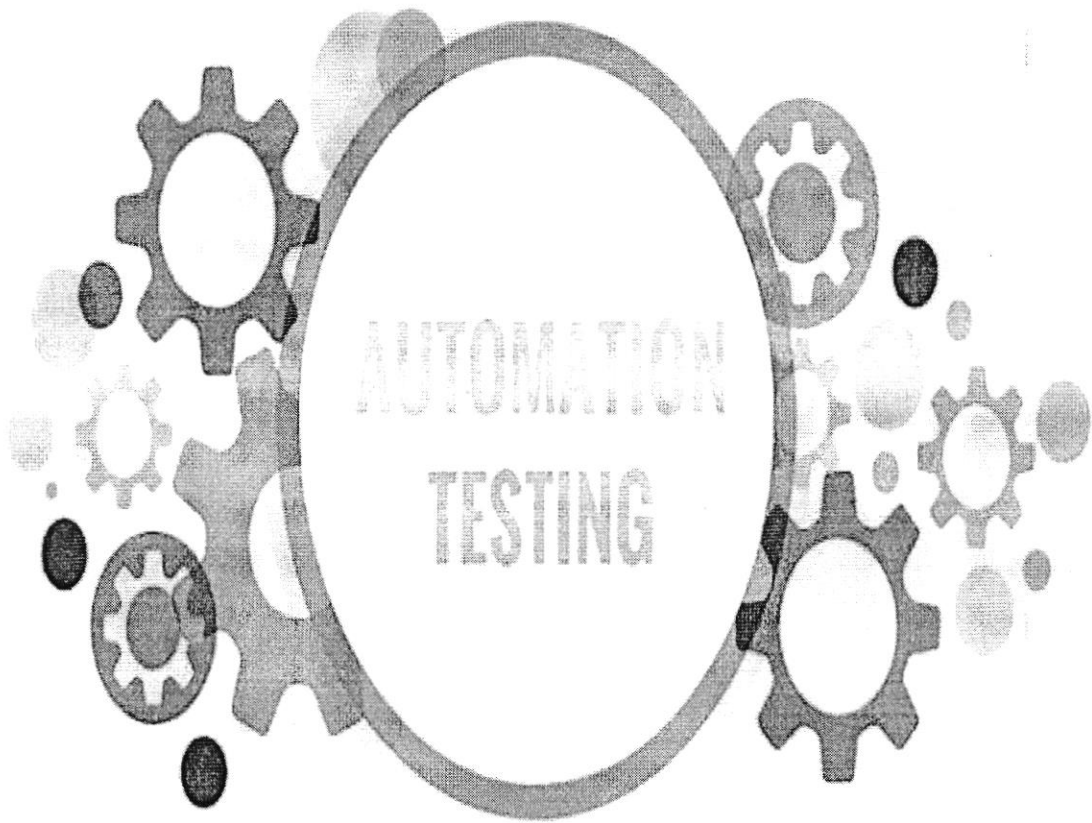# CERTIFICATION COURSE

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AUTOMATION TESTING

Course Objective:

- Understand the fundamentals of software testing and automation.
- Learn about different types of automation testing tools.
- Develop skills to create and execute automated test scripts.
- Gain practical experience through projects and hands-on labs.

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SYLLABUS

Module 1: Introduction to Software Testing

- Overview of Software Development Lifecycle (SDLC)
- Importance of Testing in SDLC

Types of Software Testing

- Manual vs. Automation
- Introduction to Testing Methodologies (Agile, Waterfall)

Module 2: Overview of Test Levels

- Unit, Integration, System, Acceptance

Module 3: Introduction to Automation Testing

- What and Why?
- Pros and Cons of Automation Testing
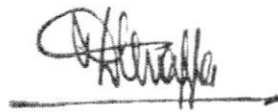
Types of Automation Testing

- Functional
- Regression
- Performance

Module 4: Tools for Automation Testing

- Selenium, J Unit, Test NG
- Introduction to Selenium: History and Components
  Selenium IDE: Installation and Setup
- Recording and Playing Back Tests in Selenium IDE
  Understanding Selenium Web Driver

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Module 5: Locating Web Elements

- By ID, Name, Class, XPath, CSS
- Web Driver Commands: Navigating, Interacting, Validating
- Handling Pop-Ups, Alerts, and Frames in Selenium