



## **1. Technical Skill Development**

**VSR & NVR COLLEGE ,TENALI** with a vision to enhance the technical skills in the students, organizes Technical Skills training for its students, as the institute is aware how technical skills serve to represent your approach to life and work. Technical skills are personal skills hardwired to an individual's personality, and they characterize how you interact with other people in the workplace. Essentially, Technical skills are sets of abilities or knowledge used to perform practical tasks in the areas of science, the arts, technology, engineering, and math. Technical skills typically require the use of certain tools and the technologies required to use those tools.

### **Aim:**

Technical Training teaches the skills needed to design, develop, implement, maintain, support or operate a particular technology or related application, product or service. Related Content: Meeting the Needs of the Modern Technical Workforce Using Blended Learning.

### **Benefits of Technical Skill Development:**

- Enrich Your Skill Set.
- Get Better Job Opportunities.
- Become Eligible for Promotions.
- Save Time and Money.
- Make Intelligent Purchase Decisions.
- Stay Relevant and Future-Ready.
- Open Up Alternate Income Avenues.



## CONTENT OF TECHNICAL SKILL COURSE

### First Year Training programs:

- HTML
- CSS
- FIGMA TOOL
- JAVA SCRIPT
- J QUERY
- REACT
- CE & SS MODEL-I
- CE & SS MODEL-II

### Second Year Training programs:

- NODE.js
- PYTHON
- My SQL
- MONGO DB
- DOMAIN SPECIFIC TOOL

### Third Year Training programs:

- JAVA PROGRAMMING
- ADVANCE JAVA PROGRAMMING
- ADVANCED DOMAIN SPECIFIC TOOLS AND PROJECT
- CRT Tests & Mocks.



## SYLLABUS OF TECHNICAL SKILL COURSE

### I Year I SEM:

**HTML:** Introduction, Structure of The document, HTML elements, Text formatting, List, Forms.

**CSS:** Introduction, syntax and selectors, box model, text styling, layout, Grid.

**Figma Tool:** Introduction, Artboards and Frames, Layers and Objects, Shapes and Vector editing, Typography.

**CE & SS Module-I:** Focus is on Communicative English Engineering students in activity based learning and to induce the habit of Speaking in English in the Campus. Career Planning and SWOT Analysis. Self-Discipline, Assessments

### I Year II SEM:

**Java Script:** Introduction, Syntax, variables and data types, functions, arrays and objects, DOM, Events, Conditionals and Loops.

**JQuery:** Introduction, selector, DOM manipulation, Event handling, AJAX.

**React:** Introduction, Setting up React Environment, Java Script XML., Components, handling events, Lists and Keys, Component Life Cycle.

**CE & SS Module II:** Focus on individual. Team Tasks Presentations, Fears and to overcome, ideas to develop team Spirit and cultivate Mutual Respect. Individual and Team Feedback Sessions, Self Analysis Workshop.

### II Year I SEM:

**Node.js:** Introduction, setting up environment, modules, APIs, Asynchronous Programming, working with databases, Restful API development. Full stack Project.

**Mongo DB:** Introduction, installation and setup, JSON and BSON, Document Data Model, CRUD operations, querying and filtering.

### II Year II SEM:

**Python:** Python Introduction, Lists, tuples, Sets Dictionaries, String, Exceptions, Files, OOPs Multi-Threading, Reguar Expression UI Development. Data Base Connections, numpy pandas, Django.



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**MySQL:** Introduction, SQL, Installation and setup. Create Databases and tables, Data Manipulation, querying the data.

**Domain Specific tools:** Introduction to Power Bi, Tableau

## III Year I SEM

**Java Programming:** OOPS, Abstract Classes, Interfaces. Exception Handling, Multi threading. Collection Frame Work. Streams, Swings

**Advance Java Programming:** JDBC, Servlets, JSP

## III Year II SEM:

**Advanced Domain Specific tools and Project:** Tableau or Power BI. Domain specific project in Data Science or Machine Learning.

### **CRT Tests & Mocks:**

Resume building. Mock GD'S .Mock Technical rounds, Module wise online/off line tests, Company specific online/offline tests, Mock Interviews by Trainers and Industry HR Team



## **2.Non-Technical Skills:**

VSR & NVR COLLEGE ,TENALI with a view to hone the core skills, organized a programme on digital way of learning of non-technical skill as the management is aware of the importance of Problem solving- Learning problem solving non-technical skills will help you to handle everything at any point in your life, Team work- it's one of the most essential non-technical skills that play a vital part across industries, Communication skill- English language which are: Listening skills, speaking skills, reading skills & writing skills. It is an innovative step towards learning a language in an effective way. It is an easy way of learning a language and brings a change in personality,

### **Some of the features of Non-Technical Skills are:**

- ❖ Problem solving increases your ability and helps you to work comfortably in any environment.
- ❖ Problem solving skill can easily handle any situation by deconstructing big problems into smaller ones.
- ❖ It's really hard to meet deadlines without proper teamwork, so make sure to collaborate with different individuals in your environment
- ❖ It develops communication skills in students.
- ❖ It builds confidence in learners.
- ❖ It helps to improve pronunciation.
- ❖ It is an effective way of learning any language.
- ❖ It removes the fear and hesitation of students.



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## CONTENT OF NON TECHNICAL COURSE

- COMMUNICATION SKILLS
- TEAM WORK
- INTERVIEW PERSONAL SKILL
- TIME MANAGEMENT
- MANAGEMENT LEADERSHIP



## SYLLABUS OF NON-TECHNICAL SKILL

### I. COMMUNICATION SKILLS

**Communication Skill:** Introduction, Definition, The Importance of Communication, The Communication Process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context

**Elements of Communication:** Introduction, Face to Face Communication – Tone of voice, Body Language (Non-Verbal Communication), Verbal Communication Physical Communication.

**Communication Styles:** Introduction, The Communication styles Matrix with example for each Direct Communication style, Spirited Communication style, Systematic Communication style, Considerate Communication style.

**Basic Listening Skills:** Introduction, Self-Awareness, Active Listening, Becoming an Active Listener, Listening in Difficult Situations.

**Effective Written Communication:** Introduction, When and When Not to Use Written Communication - Complexity of the Topic, Amount of Discussion' Required, Shades of Meaning, Formal Communication.

**Writing Effectively:** Subject Lines, Put the Main Point First, Know Your Audience, Organization of the Message

**Giving Presentations:** Dealing with Fears, Planning your Presentation, Structuring Your Presentation, Delivering Your Presentation, Techniques of Delivery

**Group Discussion:** Introduction, Communication skills in group discussion, Do's and Don't of group discussion

### II. TEAM WORK:

Theories of Leadership, Team Building, Definitions, Benefits, Traits and Essential skills, Roles of Team Members, Tips for Role Plays, Common Pitfalls in Teams, Outdoor activities, Environmental leadership, Best Practices For Online Teamwork Success

### III. INTERVIEW PERSONAL SKILL:

Introduction to Interviewing, Writing an Effective Resume, Develop Great References, Use Technology Wisely, Dress code research the Company, Practice, Prepare



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for the Interview, Stay Healthy, Grooming, Types of Interviews, Make a Great First Impression, General Strategies for Answering Questions,

Mirroring, Representational Systems, Body Language Dos, Body Language Don'ts, Tips and Tricks, Ending the Interview.

#### **IV. TIME MANAGEMENT:**

What is time management?, Tracking your time, Six time management strategies. Set the goals, organizing and planning ahead, Maximize time, Prioritize, Deal with distractions.

#### **V. MANAGEMENT LEADERSHIP:**

Introduction, Leadership Theories, Leadership Behavior and Motivation, Leading with Effective Communication, Leading High Performance Teams





## SOFT SKILLS DEVELOPMENT

VSR & NVR COLLEGE ,TENALI, with a vision to enhance the soft skills in the students, organizes Soft Skills training for its students, as the institute is aware how soft skills serve to represent your approach to life and work.

Soft skills are interpersonal skills hardwired to an individual's personality, and they characterize how you interact with other people in the workplace. Essentially, soft skills are the people skills, personality skills, and communication abilities your workforce needs for the long-term success of your organization.

After all, almost every job requires employees to engage with others, either inside or outside of your organization, making these skills something not to be overlooked.

The following soft skills are sought after for any workforce:

**Interview Preparation Skills:** Organizing and presenting an interview skills workshop for students is a great way to provide students with the opportunity to learn what skills they'll require in order to complete successful interviews at academic institutions, future internships, and work places.



Fig: Students listening to the lecture



- **Leadership & Problem Solving:** Leadership training is important to teach students various skills and techniques to help students to succeed as a leader and develop and retain employees who are also motivated to succeed. Problems are inevitable in the workplace, so developing problem-solving skills is helpful for management to learn how to identify problems as they arise and determine effective solutions. Studying different methods for problem-solving can help leaders prevent and approach difficult situations in a positive, relevant and successful manner



Fig: Mr. Danial motivating the students by his lecture

### **Active Listening:**

active listening skills to achieve personal and organizational success. Improve working and personal relationships. Model proactive listening skills for others to emulate. Understand your old listening tendencies and implement more effective active listening patterns



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**Fig:** Students are listening to the lecture

**Communication Skills:** Communication is a process by which two or more people exchange ideas, opinions, facts, feelings or expressions in a way that each gain a common understanding of the message being communicated. In fact, we cannot imagine life without communication; since it is an in-built function helping us in our day-to-day activities.



**Fig: Dr. Sk. Mahmuda** Interacting with students



**Organization & Public Speaking:** good public speaking skills can open doors; poor ones can close them. The good news is that speaking in public is a learnable skill! Becoming an effective presenter and public speaker is about understanding your audience, preparing your content, delivering confidently, and controlling the environment. Using tried and tested principles on the effective use of ice breakers, visuals, story-telling, body language, and voice modulation, the module facilitates participants to become more confident and able communicators

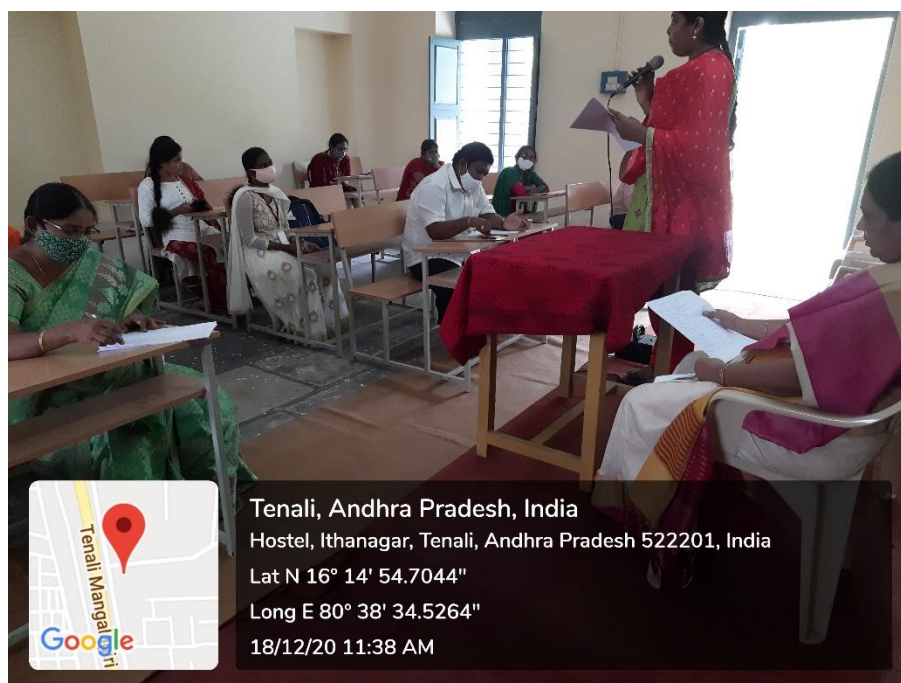


Fig: Students & Faculty members listening to the lecture

**Inter Personal Skills:** Inter Personal Skills objective is the behaviors and tactics a person uses to interact with others effectively. People use interpersonal skills all the time when dealing with others, whether in the workplace, in social situations, or within a family



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Fig: Dr. Chakradhar explaining about Interpersonal skills

**Time Management:** Time Management at work can help us to achieve our goals efficiently and, through increased performance and renewed focus, boost the productivity and success of our organization. There are several techniques and activities we can implement to help teach employees how to avoid distractions and find motivation, overcome malaise and achieve an optimal work-life balance



Fig: Mr. AJAY interacting with students



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**Emotional Intelligence:** Students were able to know themselves better and were even provided with plenty of solutions to strike a right balance of emotions. Dr. Sashi Rajasekar covered every aspect of the topic by discussing about emotional literacy, feelings wheel, amygdala etc. This session helped the students to understand their emotions and develop a new response to negative feelings like sadness, anger etc. After the session students were able to differentiate between low and high self-esteem. In addition to this student gained various ways to take the charge of their emotions



Fig: Sashi Rajasekar interacting with students