



SITAM

SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

Accredited by "NAAC"

Approved by AICTE and Affiliated to JNTUK, KAKINADA

Email: sitam@sitam.co.in, Website: www.sitam.co.in

Telephone No: 9676788811, 8978812341/2, Land Line: 08922-234775



Department of Computer Science and Engineering

ULEKTZ



MADHU BABU.M

at Satya Institute of Technology and Management
Vizianagaram, India

Your uLektz Profile URL : ulektzcampus.com/in/280958

[View/Update Profile](#)



My Resources



My Books



My Videos



My Courses



My Tests



My Events



Dr. D. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram



IMANDI GAYATHRI

Educators at Satya Institute of Technology and Management
India

Your uLektz Profile URL : ulektzcampus.com/in/571244

View/Update Profile



My Resources



My Books

4



My Videos



My Courses



My Tests



My Events

Handwritten signature in blue ink.

Handwritten signature in green ink.

Handwritten text in purple ink:
POC, IOAC
SIT,
17/12/2022



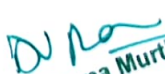
Ramarapu Bangari
Educators at Satya Institute of Technology and Management
India
Your uLektz Profile URL : ulektzcampus.com/in/492308

View/Update Profile

 My Resources

- 
My Books
- 
My Videos
- 
My Courses
- 
My Tests
- 
My Events


SPOC, IOAC
VIZIANAGARAM, INDIA


Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram





Swetha Routhu

at Satya Institute of Technology and Management
India

Your uLektz Profile URL : ulektzcampus.com/in/304360

View/Update Profile



My Resources



My Books



My Videos



My Courses



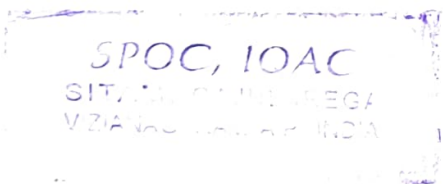
My Tests



My Events

[Handwritten signature]

[Handwritten signature]



Signals and Systems Sample Tests:

Bulk Upload Question

Add Question

Add Category

Download xls Template

Select Category

Question	Type	Mark	Negative Mark	Edit	Delete
A low pass filter is	MCQ	1	0		
Calculate the Nyquist rate for sampling when a continuous time signal is given by $x(t) = 5 \cos 100t + 10 \cos 200t + 15 \cos 300t$	MCQ	1	0		
In Unit impulse function	MCQ	1	0		
Which of the following method is used to find the inverse z-transform of a signal?	MCQ	1	0		
What is the ROC of a causal infinite length sequence?	MCQ	1	0		
What is the ROC of z-transform of an two sided infinite sequence?	MCQ	1	0		
What is the ROC of the z-transform of the signal $x(n) = a^n u(n) + b^n u(-n-1)$?	MCQ	1	0		
What is the ROC of the signal $x(n) = (n-k)$, $k > 0$?	MCQ	1	0		
What is the set of all values of z for which $X(z)$ attains a finite value?	MCQ	1	0		



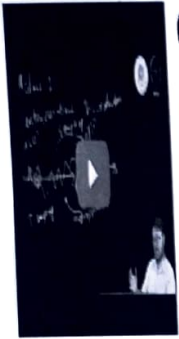
Dr.D.V.Rama Murthy
Principal
Sathy Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Signals and Systems Sample Videos:

My Videos

Search Videos

Search



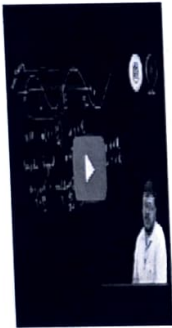
Continuous and Discrete-time Systems

X



Real and Complex Numbers

X



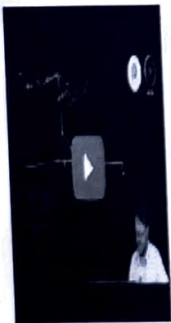
Classification of Signals

X



Orthogonality of Signals

X



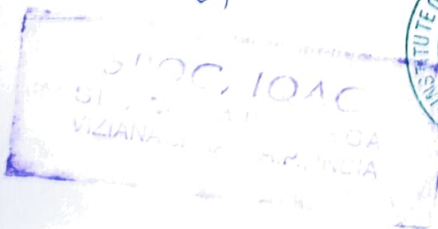
Basic Operations on Signals

X



Laplace Transform-Poles & Zeroes

X



Dr. D.V. Rama Murthy
Principal
Salya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram



SITAM

SATYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Gajularega, Vizianagaram, Andhra Pradesh, India-535002.

Accredited by "NAAC", Approved by AICTE and Affiliated to JNTU, Gurajada, Vizianagaram

Email: sitam@sitam.co.in, Website: www.sitam.co.in

Telephone No: 9676788811, 8978812341/2, Land Line: 08922-234775



MBA – ULEKTZ

Screenshot of the ULEKTZ exam interface. The browser shows the URL: ulektzcampus.com/books/newAnswer/Mtk3OH40NTUx. The page displays the Satya Institute of Technology and Management logo and name. The user is logged in as M. PRASANNA, with email: prasannamasta07@gmail.com and profile URI: https://www.ulektzcampus.com/in/491495. The exam title is HRM TEST. The timer shows Minutes 20 and Total Questions: 20. The question list includes:

- 1. The focus of Human Resource Management revolves around
 - a) machine
 - b) money
- 2. HRM aims to maximize employees as well as organizational
 - a) Effectiveness
 - b) Economy
- 3. Personnel management is
 - a) Proactive

The Windows taskbar at the bottom shows the date 12/30/2023 and time 2:22 PM.

[Handwritten signature]

[Faint handwritten text]



[Handwritten signature]
Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Search

Home My Network



A.LAKSHMI PRIYANKA
Email: lakshmiipriyanka@gmail.com
Profile URL: https://www.uLektzcampus.com/in/562496

My uLektz Account

Logout

INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT

Minutes: 10

Total Questions: 10

INVESTMENT ANALYSIS

1. _____ is associated with buying low and selling high, resulting in a significant capital gain.

- a Speculation
- b Gambling
- c Investing
- d Arbitrage

2. The process of holding an investment in shares in electronic form is _____.

- a Dematerialisation
- b Demutualisation
- c Speculation

Activate Windows
Go to Settings to activate Windows.

SPOC, IOAC
SITA, M. C. M. MEGA
VIZIA, K. S. M. M. INDIA

20/10/23

Introduction to Compiler Construction

Objectives

- Be able to build a compiler for a (simplified) (programming) language
- Know how to use compiler construction tools, such as generators of scanners and parsers
- Be familiar with virtual machines, such as the JVM and Java bytecode
- Be able to define LL(1), LR(1), and LALR(1) grammars
- Be familiar with compiler analysis and optimization techniques
- ... learn how to work on a larger software project!



Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology
Management (SITAM)
Gajularega, Vizianagaram, India

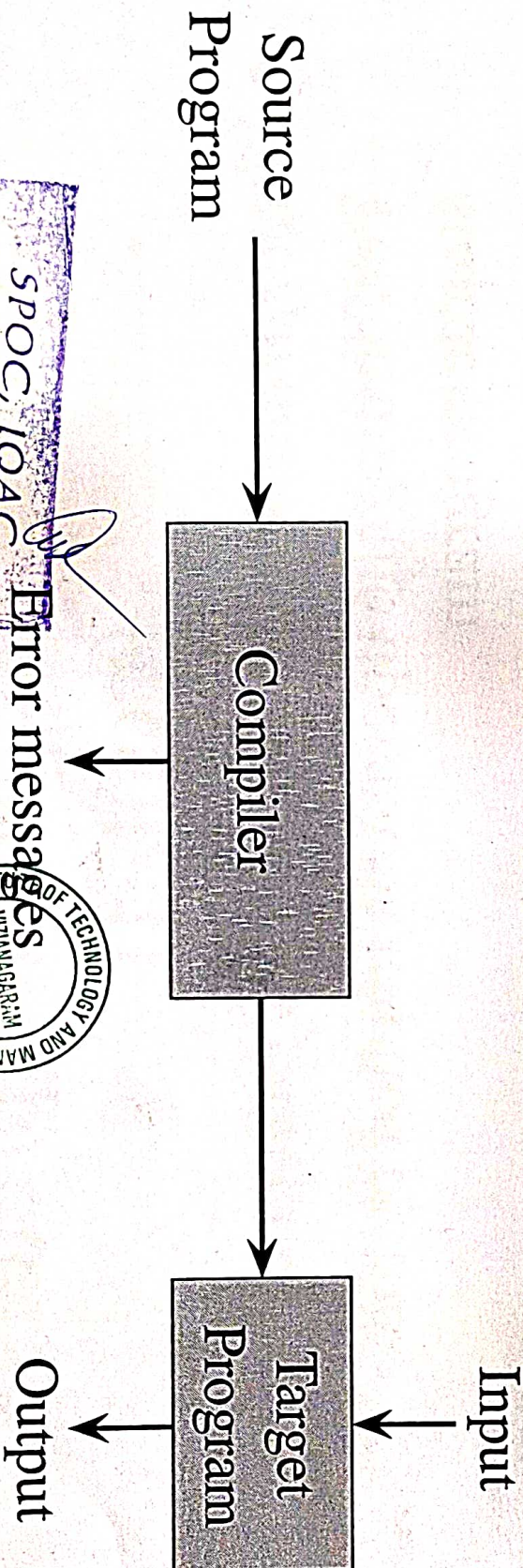


SITAM, GAJULAREGA
VIZIANAGARAM, A.P., INDIA

Compilers and Interpreters

- “*Compilation*”

- Translation of a program written in a source language into a semantically equivalent program written in a target language



SPOC, IQAC
SITAM, GAJULAREGA
VIZIANAGARAM, A.P., INDIA

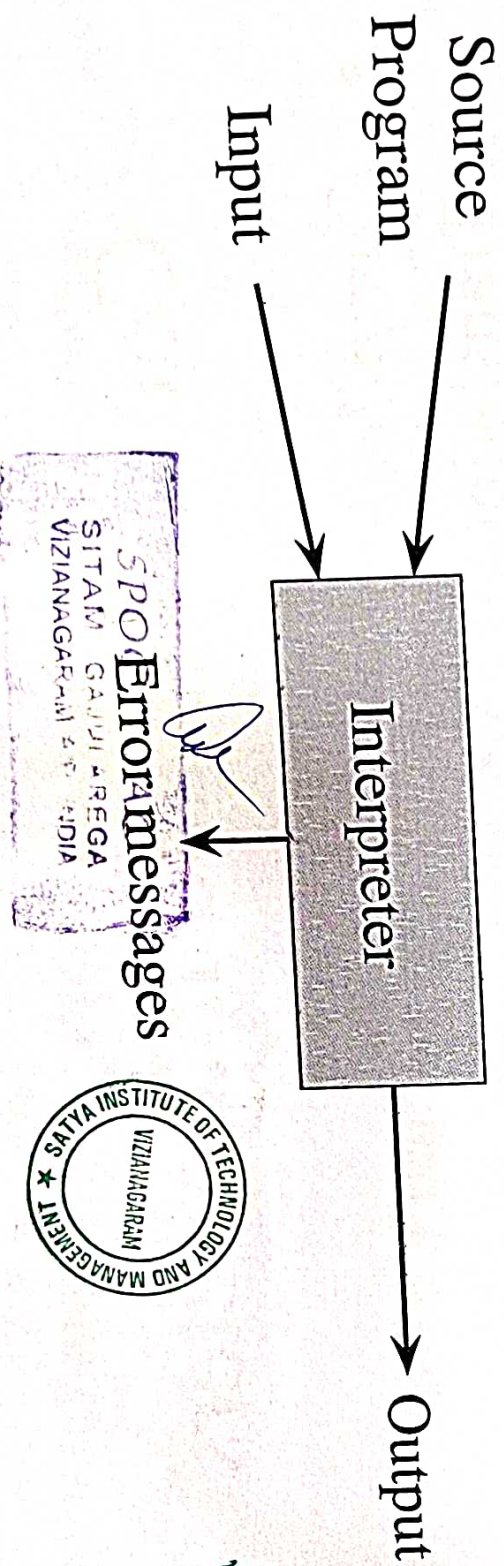
Error messages



Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Compilers and Interpreters (cont'd)

- “*Interpretation*”
 - Performing the operations implied by the source program



Dr.D
Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology &
Satya Management (SITAM)
Gajularega, Vizianagaram

The Analysis-Synthesis Model of Compilation

- There are two parts to compilation:
 - *Analysis* determines the operations implied by the source program which are recorded in a tree structure
 - *Synthesis* takes the tree structure and translates the operations therein into the target program




Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITATM)
Gajularega, Vizianagaram

Other Tools that Use the Analysis-Synthesis Model

- *Editors* (syntax highlighting)
- *Pretty printers* (e.g. Doxygen)
- *Static checkers* (e.g. Lint and Splint)
- *Interpreters*
- *Text formatters* (e.g. TeX and LaTeX)
- *Silicon compilers* (e.g. VHDL)
- *Query interpreters/compilers* (Databases)

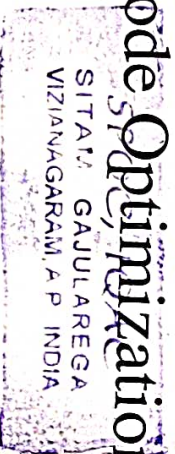


Dr. D. V. P. ...
Savita ...
Mand ...
Gajulareg ...

10/10/20

Outline

- Ch. 1: Introduction
- Ch. 2: A simple One-Pass Compiler for the JVM
- Ch. 3: Lexical Analysis and Lex/Flex
- Ch. 4: Syntax Analysis and Yacc/Bison
- Ch. 5: Syntax-Directed Translation
- Ch. 6: Type Checking
- Ch. 7: Run-Time Environments
- Ch. 8: Intermediate Code Generation
- Ch. 9: Code Generation
- Ch. 10: Code Optimization




Dr. D. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM),
Gajularega, Vizianagaram

Compiler-Construction Tools

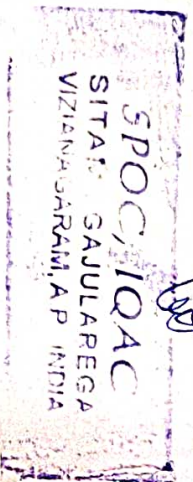
- Software development tools are available to implement one or more compiler phases
 - *Scanner generators*
 - *Parser generators*
 - *Syntax-directed translation engines*
 - *Automatic code generators*
 - *Data-flow engines*




D.V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Galularega, Vizianagaram

The Grouping of Phases

- Compiler *front* and *back ends*:
 - Front end: *analysis* (*machine independent*)
 - Back end: *synthesis* (*machine dependent*)
- Compiler *passes*:
 - A collection of phases is done only once (*single pass*) or multiple times (*multi pass*)
 - Single pass: usually requires everything to be defined before being used in source program
 - Multi pass: compiler may have to keep entire program representation in memory



Dr. D.V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajulapeta, Vizianagaram

The Phases of a Compiler

Phase	Output	Sample
<i>Programmer (source code producer)</i>	Source string	$A=B+C;$
<i>Scanner (performs lexical analysis)</i>	Token string	'A', '=', 'B', '+', 'C', ';' ; And symbol table with names
<i>Parser (performs syntax analysis based on the grammar of the programming language)</i>	Parse tree or abstract syntax tree	<pre> = / \ / \ A + / \ \ B / \ \ C \ \ </pre>
<i>Semantic analyzer (type checking, etc)</i>	Annotated parse tree or abstract syntax tree	
<i>Intermediate code generator</i>	Three-address code, quads, or RTL	<pre> int2fp B t1 t1 + t1 C t2 := t2 A </pre>
<i>Optimizer</i>	Three-address code, quads, or RTL	<pre> int2fp B t1 t1 + t1 #2.3 A </pre>
<i>Code generator</i>	Assembly code	<pre> MOVE #2.3, r1 ADDF2 r1, r2 MOVE r2, A ADDF2 #2.3, r2 MOVE ~? ~ </pre>
<i>Peephole optimizer</i>		

SPOC, Assembly code
SITAM GAJILAREGA
VIZIANAGARAM, A.P., INDIA



Satya Institute of Technology and Management
Principal
Gajilarega, Vizianagaram

Preprocessors, Compilers, Assemblers, and Linkers

Skeletal Source Program

Preprocessor

Source Program

Compiler

Target Assembly Program

Assembler

Relocatable Object Code

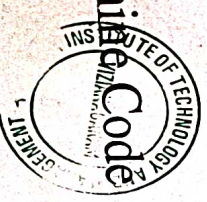
Linker

Libraries and

Relocatable Object Files

Try for example:
gcc -v
myprog.c

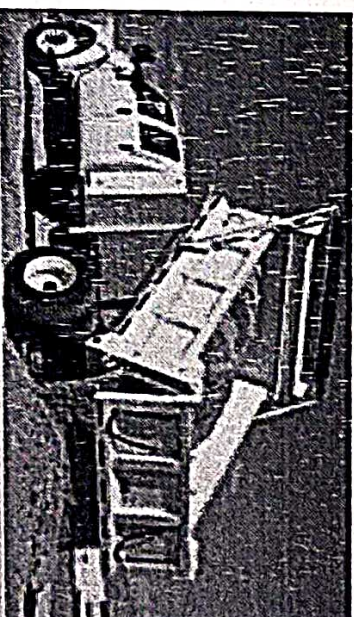
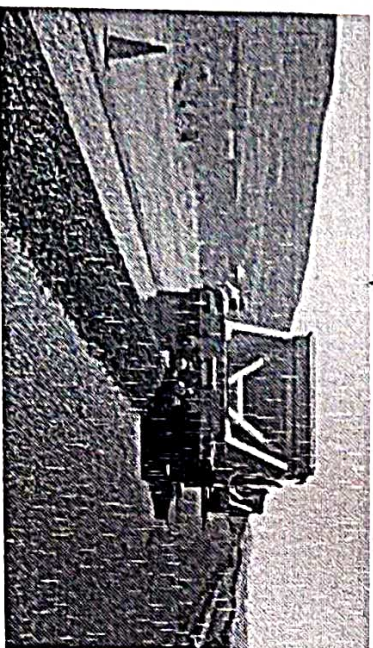
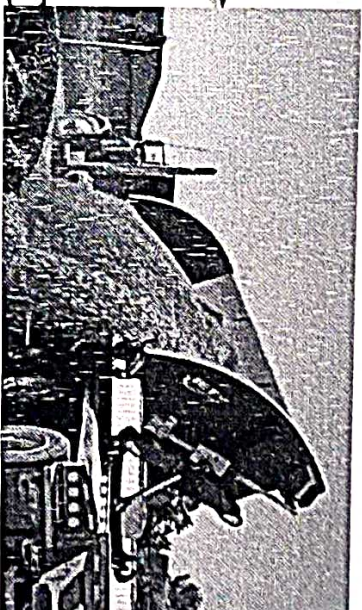
SPOC, IQAC
SITAM, GA
VIZIANAGARAM
INDIA
Absolute Machine Code



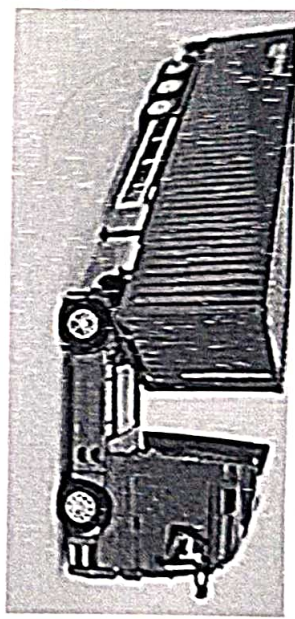
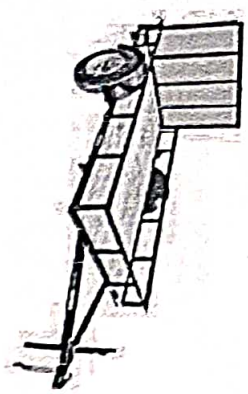
Dr. B. Rama Murthy
Principal
Savya Institute of Technology and
Management (SITAM)
Vizianagaram,
Gajulapeta, Vizianagaram

CLASSIFICATION

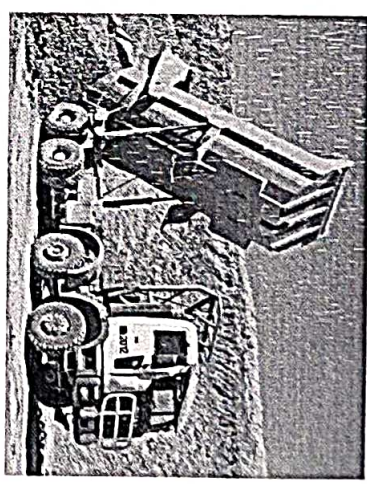
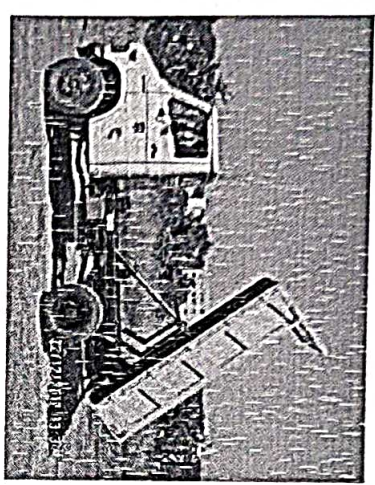
- Dump trucks
- Side dump trucks
- Rear dump trucks
- Bottom dump trucks



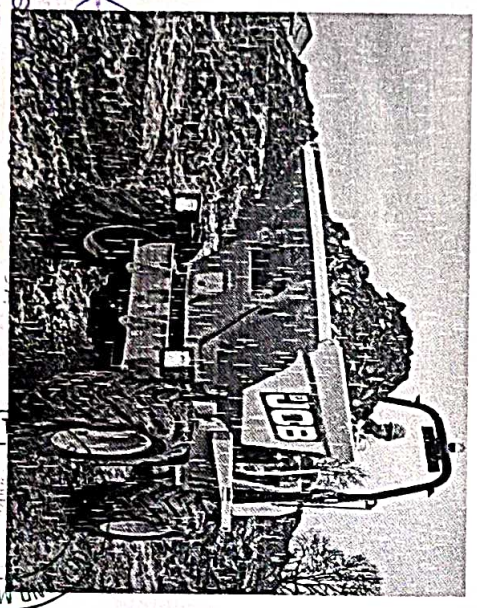
Trailers



• Tippers



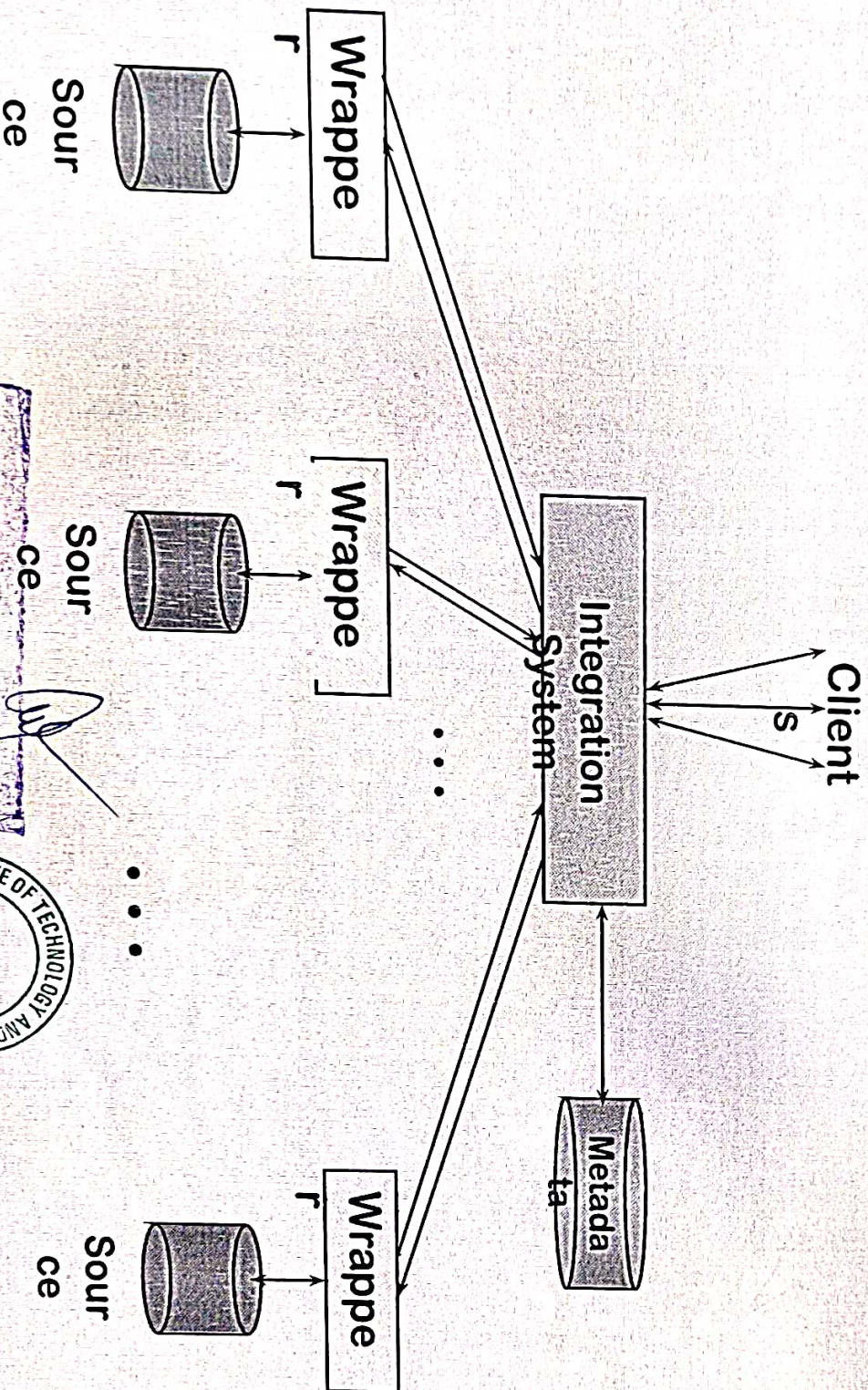
• Dumpers



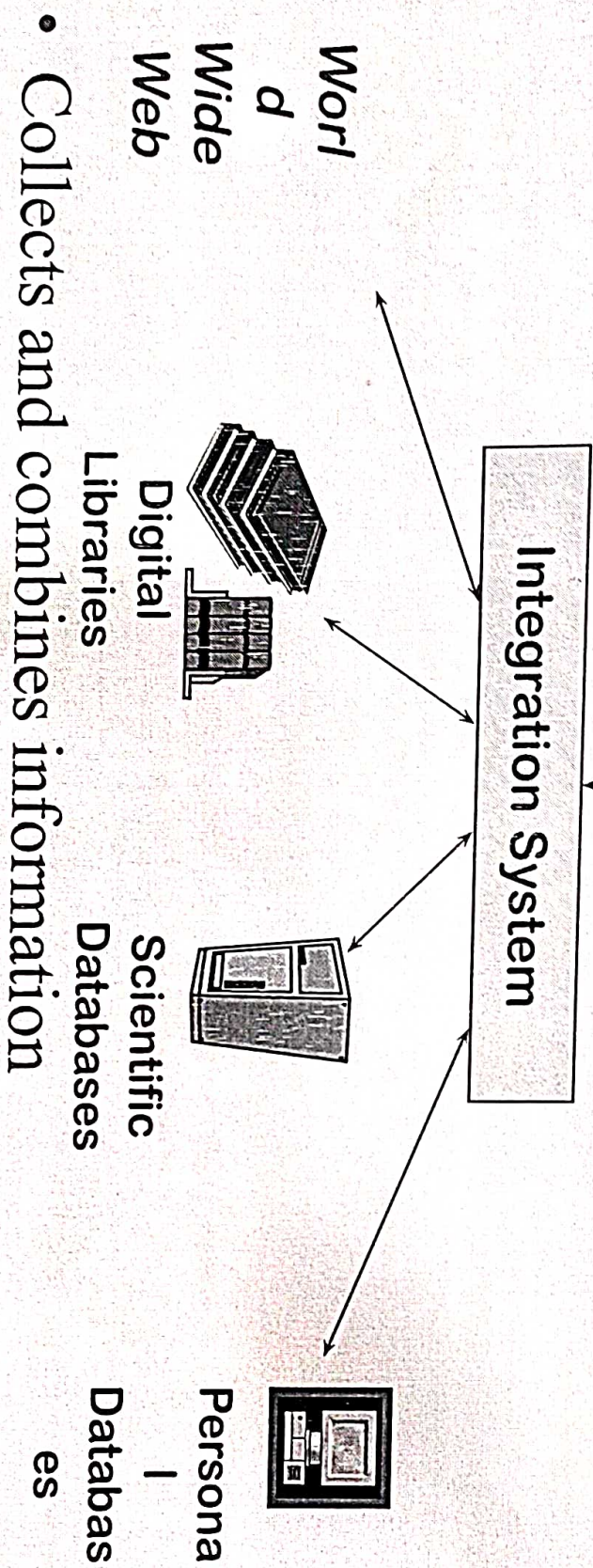
Dr
Dr.D.V.Rama Murthy
Principal
Principal of Technology and
Sai Managaram (SITAM)
Sai Managaram, Vizianagaram
Gajulapeta

The Traditional Research Approach

- Query-driven (lazy, on-demand)



Goal: Unified Access to Data

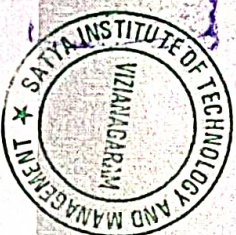


- Collects and combines information
- Provides integrated view, uniform user interface
- Supports sharing

Data Warehousing/Mining

SITAM GAJU ARECA
VIZIANAGARAM

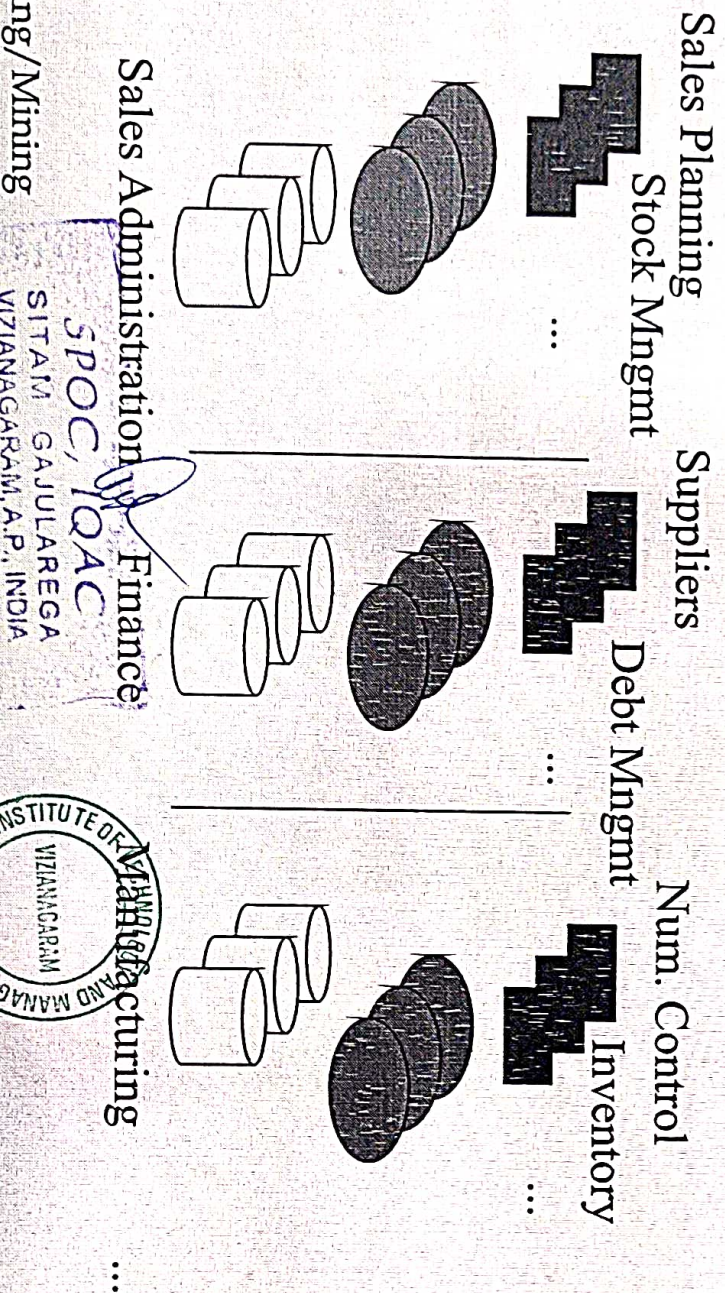
SPOC, H



Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Problem: Data Management in Large Enterprises

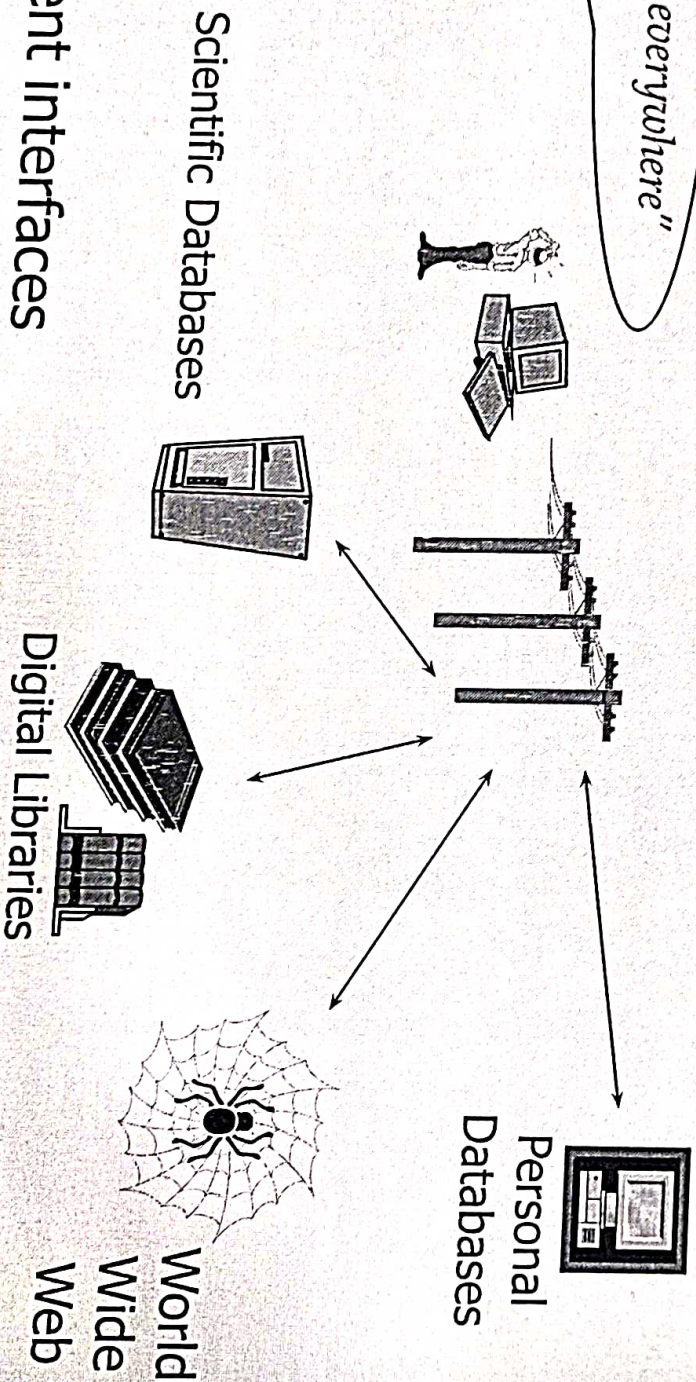
- Vertical fragmentation of informational systems (vertical stove pipes)
- Result of application (user)-driven development of operational systems



Dr. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Problem: Heterogeneous Information Sources

Heterogeneities are everywhere



- Different interfaces
- Different data representations
- Duplicate and inconsistent information

Data Warehousing/Mining

SPOC, IOAC
VIZIANAGARAM, A.P., INDIA

TECHNOLOGY AND MANAGEMENT

D.Ve

Dr.D.V.Rama Murthy
Principal
Sriya Institute of Technology and
Management (SITAM)
Vizianagaram
3

Outline of Lecture

- Data Warehousing and Information Integration
- Brief History of Data Warehousing
- What is a Data Warehouse?
- Types of Data and Their Uses
- Data Warehouse Architectures
- Issues in Data Warehousing

SPOC, IQAC
SITAM GAJULAREGA
VIZIANAGARAM, A.P., INDIA



Dr. B. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Data Warehousing/Mining Data Warehousing Introduction

prepared by

M. Madhu Babu

M. Tech in CSE
ASST PROF

DM

SPOC, IQAC
SITAM GAJULAREGA
VIZIANAGARAM, A.P., INDIA

Data Warehousing/Mining



Dr. D. V. Rama Murthy
Principal
Sathy Institute of Technology and
Management (SITAM)
Gajularega, Vizianagar

UTILIZATION OF ELECTRICAL ENERGY

CONTENT

❖ SELECTION OF MOTORS

Prepared By
Mrs. M. Swathi, M.E.,
Assistant Professor
Department of EEE

SPOC, IQAC
SITAM, GAJULAREGA
VIZIANAGARAM A.P. INDIA

Department of EEE

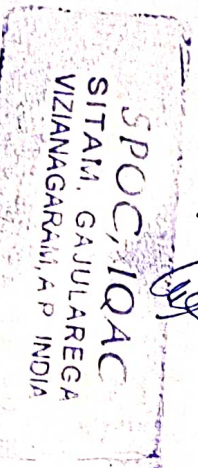


Dr. B. V. Rama Murthy
Principal
Satya Institute of Technology
Management (SITM)
Gajularega, Vizianagaram

Selection of Motors

- ❖ **UNIT - I:**
- ❖ **Selection of Motors**
- ❖ **Introduction:**
- ❖ **Choice of motor, type of electric drives, starting and running characteristics—Speed control—**
- ❖ **Temperature rise—Applications of electric drives—Types of industrial loads—continuous—**
- ❖ **Intermittent and variable loads—Load equalization**

GVP-SITAM



Department of EEE




Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Electrical Drives:

- ❖ Motion control is required in large number of industrial and domestic applications like
- ❖ Transportation systems, rolling mills, paper machines, textile mills, machine tools, fans, pumps, robots, washing machines etc.
- ❖ Systems employed for motion control are called DRIVES, and may employ any of primemovers such as diesel or petrol engines, gas or steam turbines, steam engines, hydraulic motors and delectric motors, for supplying mechanical energy for motion control.
- ❖ Drives employing electric motors are known as ELECTRICAL DRIVES.



Department of EEE




Dr. B. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

❖ An ELECTRIC DRIVE can be defined as an electromechanical device for converting electrical energy into mechanical energy to impart motion to different machines and mechanisms for various kinds of process control.

SPOC, IQAC
SITAM GAJULAREGA
VIZIANAGARAM A.P. INDIA

Department of EEE



D.V.R.
Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Classification of Electric Drives

According to Number of machines

- ❖ Individual drive
- ❖ Group drive
- ❖ Multi-motor drive

SPOC, IQAC
SITAM GAJULAREGA
VIZIANAGARAM, A.P., INDIA

Department of EEE




Dr. B.V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram
5

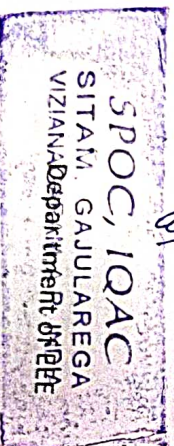
GVP-SITAM



Choice (or) Selection of Electrical Drives

- Steady State Operating conditions requirements
- Nature of speed torque characteristics, speed regulation, speed range, efficiency, duty
- cycle, quadrants of operation, speed fluctuations if any, ratings etc
- Transient operation requirements
- Values of acceleration and deceleration, starting, braking and reversing performance.
- Requirements related to the source
- Types of source and its capacity, magnitude of voltage, voltage fluctuations,

GVP-SITAM



P.M.
Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

FINANCIAL MANAGEMENT

SPOC, IQA
SITAM, GAJULAREGA
VIZIANAGARAM, A.P., INDIA



D. B. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Introduction:

Meaning:

- Finance may be defined as the art and science of managing money.
- It includes financial service and financial instruments.
- Finance also is referred as the provision of money at the time when it is needed.
- Finance function is the procurement of funds and their efficient utilization in business concerns.

SPOC, IQAC
SITAM, GAJULAREGA
VIZIANAGARAM, A.P., INDIA



Dr.D.V.Rama Murthy
Principal
Salya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Meaning of Financial Management

It refers to those management activities or efforts to the proper management of finance, it includes financial planning, financial administration, financial control.



Dr. B. V. Rama Murthy
Principal
Sitya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

Definition of financial management

“Financial management is concerned with the management decision result in the acquisition and financing of the long-term and short-term firm” -Phillippatuo

Howard and Upton : Financial management “as an application of managerial principles to the area of financial decision-making.

Weston and Brigham : Financial management “is an area of financial decision-making, harmonizing individual motives and enterprise goals”



Dr.D.V.Rama Murthy

Dr.D.V.Rama Murthy
Principal and
Sanya Institute of Technology and
Management (SITAM)
Gajilarega, Vizianagaram

W.A.P., INDIA

45 X 15

Objectives of financial management

1. maximization of profit:-

A business firm is a profit seeking organization so that maximization of profit is one of the basic objectives of financial management.

The profit of the firm are maximized.

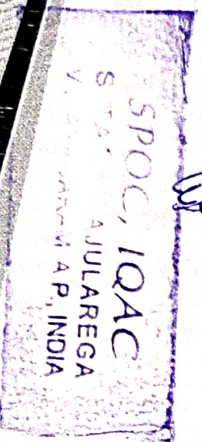
SPOKESMAN
SITAM, GAJULAREGA
VIZIANAGARAM, A.P. INDIA



Dr. B.V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

The Objectives of profit maximization

- By increasing the sales and there by increasing the revenue
- By reducing the cost of production through efficient use of the resources.
- By making judicious choice of funds.
- By minimizing risk




Dr. D. V. Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

INTRODUCTION

- Used for transportation of materials. It may operate on roadways or railways.
- It involves in

1. Transportation of building materials.
2. Carriage and disposal of excavated earth.
3. Haulage of heavy construction equipment.

✓ Trucks

- Trucks are hauling units that provide relatively low hauling costs because of their high travel speeds.

CONSTRUCTION TECHNOLOGY AND MANAGEMENT

HAULING EQUIPMENT

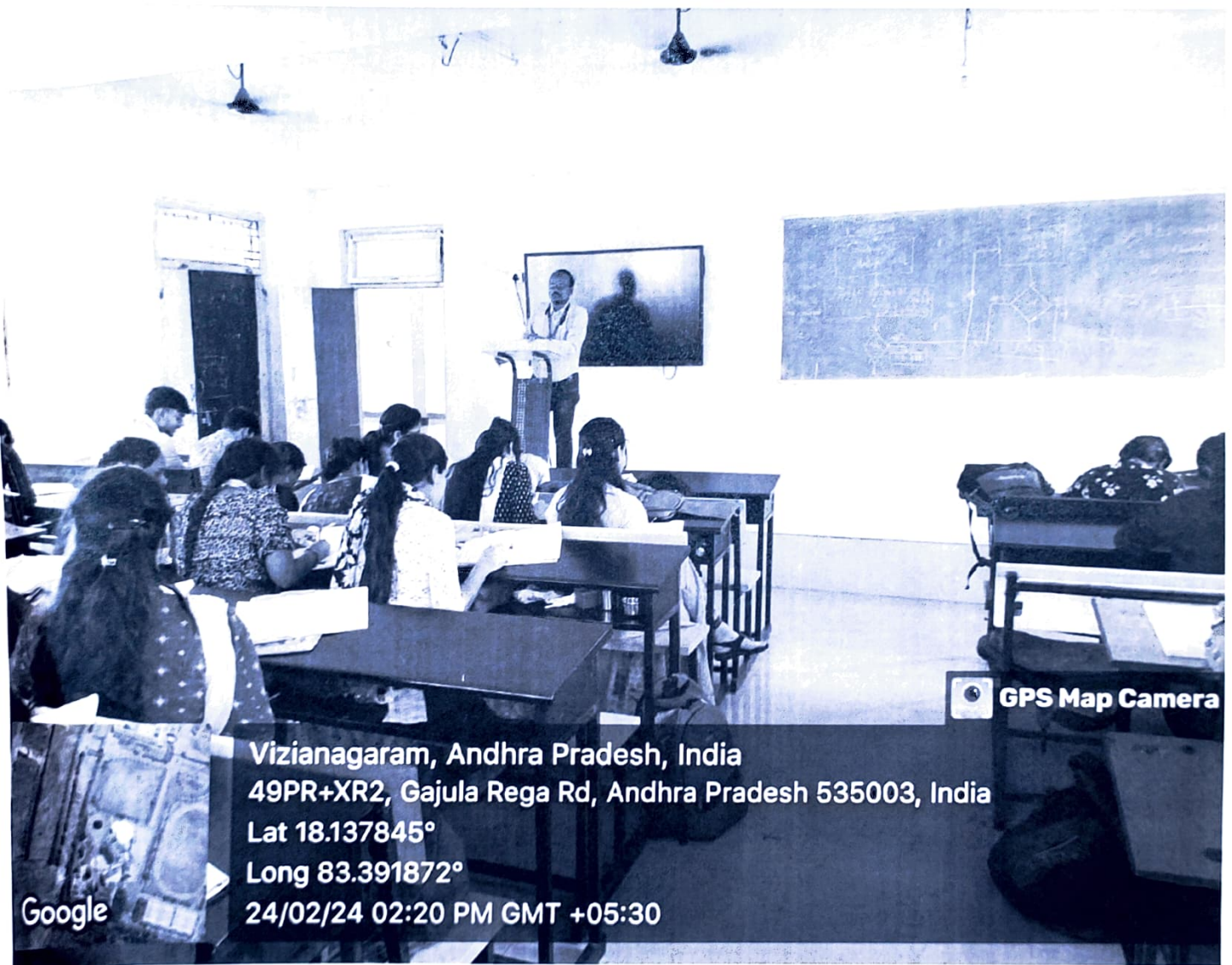
TPC-10AC
SITARA JULAREGA
VIZIANADAM INDIA



SINDHUJA.V

D.D.V.Ramji Murthy
Technology and
Management

2.3.2



SPOC, IQAC
VIT
VIZIANAGARAM



Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram



[Handwritten signature]

SPOC, IQAC
SITAM, GAJULAREGA
VIZIANAGARAM, INDIA



[Handwritten signature]
Dr.D.V.Rama Murthy
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram



Dr. D.V. Rama Murthy

Dr.D.V.Rama Murthy
Principal
Sri Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram

GPS Map Camera

Vizianagaram, Andhra Pradesh, India
49PR+XR2, Gajula Rega Rd, Andhra Pradesh 535003, India
Lat 18.137849°
Long 83.391836°
26/12/23 02:25 PM GMT +05:30

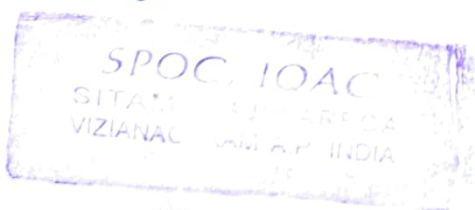
Google



 GPS Map Camera

Vizianagaram, Andhra Pradesh, India
 49PR+XR2, Gajula Rega Rd, Andhra Pradesh 535003, India
 Lat 18.137835°
 Long 83.391806°
 24/02/24 02:23 PM GMT +05:30

Google



Dr. D.V. Rama Murthy
 Principal
 Satya Institute of Technology and
 Management (SITAM)
 Gajularega, Vizianagaram



Q

SPOC, IOAC
SITAM, Gajularega
Vizianagaram, India



Dr. D. V. S. S. S. S.
Principal
Satya Institute of Technology and
Management (SITAM)
Gajularega, Vizianagaram