# Certificate course on standard operating procedures (SOP's) in chemical laboratory



#### Syllabus

**Duration 3 weeks** 

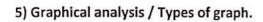
#### 1) Basic layout of laboratory (3)-Instrumental section -Non instrumental section -Instruments -Weighing balance -Reagent section i) Organic ii) Inorganic -Storage section. 2. Solution preparation (8) -Concentration - percentage solutions—weight/weight ,percentage weight /volume -Normality, Molarity, Molality calculation and preparation -Proper transfer and storage of solution -Primary standard and secondary standard solution. (5) 3) Quantitative analysis and Qualitative analysis -Titrimetric analysis -Introduction to terms Titrant, Titrand, Indicator -Types of titration -Standardization and normality determination. (8)4) Instrumental technique i) Potentiometer- introduction -principle -handling -calibration -analysis. ii) Conductometer--introduction -principle -handling -calibration -analysis.



- -introduction
- -principle
- -handling
- -calibration
- -analysis

#### iv) pH-meter:-

- -introduction
- -principle
- -handling
- -calibration
- -analysis.



(4)

Nibag

6) Safety practice in Lab.

(2)



Board of studies (BOS) members Prof. Sujit Patil (HOD-Science faculty) Prof. Ketaki Patil Prof. Vinaya Patil Prof. Pooja Patil Tentative schedule Topic- 1&2 -Prof. Ketaki Patil Topic- 3&4 -Prof. Sujit Patil Topic-5 -Prof. Vinaya Patil Topic- 6 -Prof. Pooja Patil Total duration 30 Hrs.

(Approx. 3 weeks-15 days)



PRABHAKAR PATIL EDUCATION SOCRETY'S

# **ARTS, COMMERCE & SCIENCE COLLEGE**

VESHVI-ALIBAG

(Affiliated to University of Mumbai) Accredited with grade "B" by NAAC

#### DEPARTMENT OF CHEMISTRY

A Short Term Course on

STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY



This is to Certify that, VARTAK SUHANI PRAFULL has completed a Short Term Course on "STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY". Organized in our college. His / Her enthusiastic presence and inquisitive approach for learning is highly appreciated.

Course Co-ordinator Innovative Courses

Head of Department

Principal

PRABHACAR PATIL EDUCATION SOCIETY'S

#### **ARTS, COMMERCE & SCIENCE COLLEGE**

**VESHVI-ALIBAG** 

(Affiliated to University of Mumbai)
Accredited with grade "B" by NAAC

#### **DEPARTMENT OF CHEMISTRY**

A Short Term Course on

STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY



This is to Certify that,

**TODANKAR SIYA** 

has completed a Short Term Course

on "STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY". Organized

in our college. His / Her enthusiastic presence and inquisitive approach for learning is highly

appreciated.

Course Co-ordinator Innovative Courses Head of Department

Principal

E-Certificate Generated By Science Department 2023-24

PRABHAKAR PATIL EDUCATION SOCRETY'S

### ARTS, COMMERCE & SCIENCE COLLEGE

VESHVI-ALIBAG

(Affiliated to University of Mumbai) Accredited with grade "B" by NAAC

### **DEPARTMENT OF CHEMISTRY**

A Short Term Course on

STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY



This is to Certify that, PATIL SANIKA PRABHAKAR has completed a Short Term Course on "STANDARD OPERATING PROCEDURES (SOP'S) IN CHEMISTRY LABORATORY". Organized in our college. His / Her enthusiastic presence and inquisitive approach for learning is highly appreciated.

Course Co-ordinator Innovative Courses

Head of Department

Principal

E-Certificate Generated By Science Department 2023-24



# Course Information Book





# PRABHAKAR PATIL EDUCATION SOCIETY'S Arts, Commerce & Science College, Veshvi, Alibag

In Collaboration with

# Satyam Institute of Tax Accountant, Mumbai

Registerd under

Maharashtra Technical & Self Employment Training Society

A Registered Training & Certification Committee for All Over India Under NCT/ITA-Section 20, 1882 Under Govt. of India

Reg. No.: 847/2022-23/NCT.Govt of India

- 1. Tally Prime
- 2. Goods & Service Tax (upto return)
- 3. Income Tax (upto return)
- 4.TDS
- 5. Live Project



# SUBJECT 1



#### **TALLY PRIME**

Fundamentals of Tally Prime -Getting Functional with Tally Prime, purchase voucher, payment Tally.ERP9 Accounting Masters in Tally. ERP9 F11:Features, F12 Configurations, **Setting up Accounts Heads** Inventory in Tally.ERP9 – Stock Group, Stock Categories, Godowns / Locations, Units of Measure, Stock **Items, Creating Inventory Masters** for National Traders Voucher Entry in Tally. ERP9 -Accounting Vouchers, Inventory Vouchers, Invoicing **Order Processing Recorder Levels Tracking Numbers** Stock Valuation **Batch-wise Details** 

Types of voucher - contra voucher, Creation / Setting up of Company in voucher, Debit note, sales voucher, Receipt voucher, Credit note, our no voucher Cost center Tally audit future Bank reconciliation Power of Simplicity Price list Free quantity Split company Data Point of sales Back up Restore **Voucher Number Configuration** 





#### Income Tax

- What is mean by income tax
- Deduction Under Section 80
- Heads of income practical theory
- Registration with income tax department
- Preparing form 16
- Tax calculation
- ITR 1 & ITR 4 Online Return
- Income tax online payment (Challan 280)

#### **TDS**

TDS Return & Payment

#### **Goods & Service Tax**

- GST Act & Rules / GST Composition Dealer / GST
   Registered Dealer / GST Unregistered Dealer
- GST Law / CGST / SGST/ IGST/ UTGST Act
- CGST and SGST Records maintain in Tally.erp9
- IGST Records maintain in Tally.erp 9
- Different Goods and Different GST rates in one Invoice
- GST Refund / Exempted Goods in GST
- Input Tax Credit (ITC) / Set off input Credit Against Tax Liability / E- Way Billing In GST / Apply for GST Registration (Online) / Amend Cancel and Revoke GST Registration \ Place and Time of Supply / E-Commerce Under GST / Online Return GSTR 1/ GSTR 2A/ GSTR 3B

### Live Project

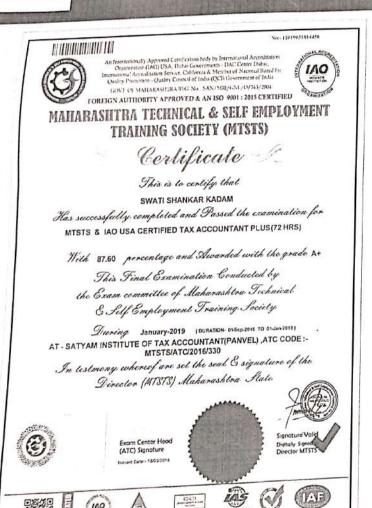
 We have designed live project based on Accounting Real Vouchers, GST Bills, Setoff, Online Payment Slip, Balance Sheet and other Accounting procedures to give students a live experience of industrial work.

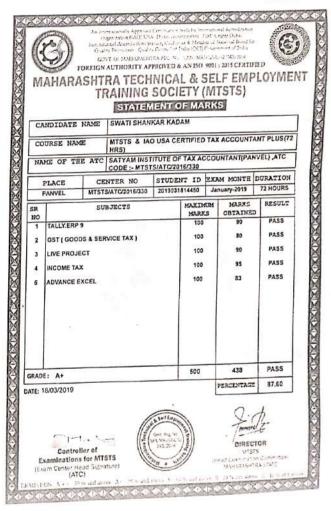


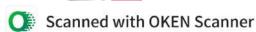


# Course Certificate & Marklist Sample (Hard Copy)













REGISTERED UNDER THE MAHARASHTRA CO-OPERATIVE SOCIETY ACT 1960 (AS PER SECTION 24 & SECTION 9(1))
OF MAHARASHTRA CO-OPERATIVE SOCIETY ACT 1961. SOCIETY REG. NO - SAN/MRJ/GNL/O/343/2004

ACCREDITED BY A+ QUALITY RATING FROM THE QUALITY ASSURANCE AND ACCREDITATION COMMITTEE (QAAC), NEW DELHI, INDIA, AND AFFILIATED WITH THE VOCATIONAL TRAINING AND CERTIFICATION COMMITTEE (VTCC), NEW DELHI, INDIA



AN ISO 9001 : 2015 CERTIFIED

# RASHTRA TECHNICAL & SELF-EMPLOY TRAINING SOCIETY (MTSTS)



This is to certify that

#### HIREN HARJI RAVARIYA

has successfully passed the prescribed examination for

MTSTS CERTIFIED - CERTIFICATE COURSE IN TAX ACCOUNTANT PLUS(60 HRS)

with 86.75 percentage and awarded with the grade A+

This course is designed & the final examination

is conducted as standards of exam committee under

Maharashtra Te

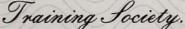
Self - Employment Training Society

May-2024

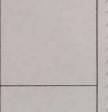
( DURATION- 02-May-2024 TO 27-May-2024 )

#### AT - SATYAM INSTITUTE IN COLLABORATION WITH PPES PNP ARTS COMMERCE AND SCIENCE COLLEGE VESHVI, ALIBAG

In testimony whereof are set the seal & signature of the Director, Maharashtra Technical & Self - Employment



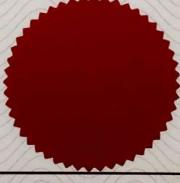




MTSTS - LEARNING CENTER (MLC) (Coordinator Signature)

Issued Date: - 13/05/2024

\* THIS CAREER ORIENTED COURSE IS DESIGNED BY MTSTS & THIS CERTIFICATE IS ISSUED AS PER ORDER REFERENCE OF NES-EEM No. 1/2010/PTJ-VIV7.9, No. DGE & T-M-27014/1/2009-EE I, MINISTRY OF LABOUR & EMPLOYMENT, NEW DELHI, INDIA



















Verify this certificate online on www.mtsts.org or scan the QR code

Gradation: A++:90% and above, A+: 75% to 89%, A: 60% to 74%, B: 50% to 59%, C: 40% to 49%





#### SOCIETY REG. NUMBER: SAN/MRJ/GNL/O/343/2004

ACCREDITED BY A+ QUALITY RATING FROM THE QUALITY ASSURANCE AND ACCREDITATION COMMITTEE (QAAC), NEW DELHI, INDIA, AND AFFILIATED WITH THE VOCATIONAL TRAINING AND CERTIFICATION COMMITTEE (VTCC), NEW DELHI, INDIA



AN ISO 9001-2015 CERTIFIED

## RASHTRA TECHNICAL & SELF - EMPLO TRAINING SOCIETY (MTSTS)

#### STATEMENT OF MARKS

CANDIDATE NAME HIREN HARJI RAVARIYA COURSE NAME MTSTS CERTIFIED - CERTIFICATE COURSE IN TAX ACCOUNTANT PLUS (60 HRS)

NAME OF THE ATC SATYAM INSTITUTE IN COLLABORATION WITH PPES PNP ARTS, COMMERCE AND SCIENCE COLLEGE VESHVI

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STS M	INCOME TAX & TDS	100	65 378 M	PASS
ST4 M	LIVE PROJECT	100	90 S M	PASS
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DATE	13/05/2024	S WISTS MISTS	PERCENTAGE	86.75



Director MTSTS

Maharashtra Technical and Self-Employment Training Society

(Coordinator Signature)

\*THIS CAREER ORIENTED COURSE IS PRIVATELY DESIGNED BY MTSTS & MARKLIST S ISSUED AS PER ORDER REFERENCE OF NES-EEM NO. 1/2010/PT. I-VII/7.9. NO. DGE T-M-27014/1/2009-EEJ, MINISTRY OF LABOUR & EMPLOYMENT, NEW DELHI, INDIA.

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