

Department of Zoology
Kisan Veer Mahavidyalaya, Wai (Dist. Satara)



Certificate Course in Sericulture
Year 2014-2015 Onwards

Course fee : Rs.300/- per student

Course duration : July - August OR August - September

Syllabus

Paper I **Silk moth Morphology, Types and Life Cycle**

1. History of Sericulture
2. Types of Silk moth and relationship
3. Habits and habitat, Morphology and classification of Silk moth
4. Life cycle

Paper II **Rearing and Cultivation of Silk moth**

1. Cultivation of mulberry plant
2. Rearing of silk moth
 - a. Housing
 - b. Feeding and its maintenance
 - c. Disease prevention techniques
 - d. Reeling and raw silk
 - e. Application of sericulture as a cottage industry

Practical

- ❖ Study of stages in life cycle of silk moth
- ❖ Cultivation of mulberry plants
- ❖ Rearing of silk worms
- ❖ Sericulture Economics

Nature of Question Paper: Multiple Choice Questions

Short Answer Questions

Short Notes





Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai (Satara)
Department of Chemistry

Short term Course "Soil and Soil Testing"
Syllabus from June 2013 Onwards

Part I: Introduction to Soil Science

05

Definition of soil, types of soil, Soil as a natural body, soil components, inorganic & organic solids, basic concepts.

Properties of Soil

A) Physical properties

Soil texture & structure, properties of soil mixture, particle, density

B) Chemical properties

Chemistry of clays, Ionic exchange, Acidity, Alkalinity, pH, Salinity, Reactions of liming & acidification

C) Biological properties

Soil organic matter, O:N relationship, N- Transformation, soil organisms, Sulphur transformation

Reference Books:

1. Soil and soil fertility: Troch F. R. & Thompson L. M.
2. Fundamentals of soil science: Foth, H.D. Wiley Books
3. Soil science and Management: Plaster Edwards J
4. Principles of Soil Chemistry: Marcel Dekker Inc.

Part II: Soil Testing and Analysis

05

Unit I Sample collection and processing

Sample collection & processing, purpose of soil testing & analysis, Method of soil sample collection, Preservation, labeling & storage of soil samples.

Unit II Study of instruments

Brief study of instruments- pH meter, conductivity meter, Spectrometer. Use of soil testing kit, Kjeldahl's Assembly for determination of nitrogen

Reference Books:

1. Soil, Sampling, Preparation and Analysis: Marcel, Dekker
2. Soil Sampling and Methods of Analysis: Carter M. R. & E. G. Gregorich
3. Methods of Soil Analysis: Kuete A & et.all

Part III: Practical

20

1. Visit to soil testing laboratory
2. Preparation of various reagents, chemical required for soil testing
3. Processing of soil sampling for analysis
4. Determination of pH of soil sample using pH meter
5. Determination of available nitrogen from soil sample
6. Determination of available phosphorus from soil sample
7. Determination of potassium from soil sample
8. Determination of calcium carbonate from soil sample
9. Determination of organic carbon by wet oxygen method

Reference Books:

1. Introduction to soil Laboratory Manual: J. J. Harsett stipes
2. Introduction to soil science laboratory manual: Palmer & troch



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25-7-2015.

minutes

The meeting was conducted in Eng. Dept.
The course coordinator presented the following syllabus which was accepted by the committee to be implemented in the first term. It was suggested, by the chairman to conduct the course for a month in August; which was accepted. Shri. Anandekar suggested to include I.T. module which was accepted. The changed and final syllabus of the course is -

How to write Application

#

Module I - i English Grammar

I - ii. Hindi Grammar

I - iii - Marathi Grammar.

Period - 1st Aug to 5th Aug.

Module II - i. Situations in which to write applications

II - ii. Drafts for training students.

II - iii - checking completed Rewritten Drafts of the students.

Period - 6th Aug to 15th Aug

Module III - i. Use of I.T.
Introduction

ii. How to open email account.

iii. How to write email.

Periods 17th Aug to 25th Aug.

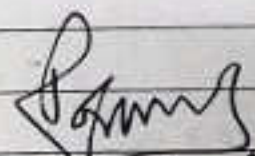
Module IV - i. How to write application
in window file and attach
to the email.

IV - ii - Revision.

The syllabus was accepted in the
meeting.

Pandipal




Course Coordinator

ADD- ON / SHORT TERM COURSE
Capsule Course In C++ Programming

Description :

In this course, we will learn the basics about C++ Programming Language such as Constants, Variables, Data types, Arrays, Functions & Control Statements etc.

Objectives :

- To have the good understanding of the basic concept of programming using C++.
- To create an awareness of the importance of C++ language in Computer Programming.
- To generate the ability to read and to write C++ Programs .
- To develop the ability to write the Programs for the problems related to their subjects.

Eligibility :

B. Sc. III (Mathematics & Physics Students).



Head, Department of Physics

Principal

Head, Department of Mathematics

Syllabus

Theory

1. C++ Introduction : (2-Lectures)

History, Identifiers, Keywords, Constants, Variables, C++ operations, Basic data types, User defined data types, Header files, Manipulators.

2. Expressions in C++: (2-Lectures)

Constant expression, Integer expression, Float expression, Relational expression, Logical expression, Bitwise expression, Declarations in C++, Program Structure of C++, Simple Programs.

3. Control Statements: (3-Lectures)

if, if - else, nested if, for loop, while loop, do-while loop, break, continue, goto, switch statements.

4. Arrays: (2-Lectures)

One dimensional and two dimension array, Linear and Binary search.

5. Functions : (1-Lecture)

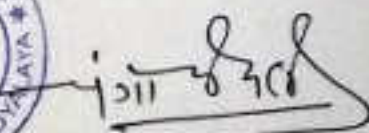
Library functions and four types of User defined functions with illustrative programs each.

Recommended Book:

1. Programming with C++, D. Ravichandran Second Edition, Tata Mac-Graw- Hill publishing Co. Ltd., New Delhi (2006).



Head
Dept. of Physics



Principal



Head
Dept. of Mathematics

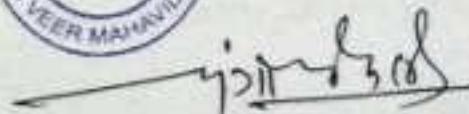
Practicals

1. Program to display "Hello, World!" on the screen.
2. Program to add two Integers
3. Program to compute quotient and remainder, both divisor and dividend should be integers.
4. Program to Check Whether Number is Even or Odd
5. Program to Check Whether a character is Vowel or Consonant.
6. Program to Find Largest Number Among Three Numbers
7. Program to Find All Roots of a Quadratic Equation
8. Program to Calculate Sum of Natural Numbers
9. Program to Find Factorial
10. Program to Display Fibonacci Series
11. Program to Find GCD
12. Program to Find LCM
13. Program to Reverse a Number
14. Program to Calculate Power of a Number
15. Program to Check Whether a Number is Prime or Not
16. Program to Display Factors of a Number
17. Program to Display Prime Numbers Between Two Intervals
Using Functions
18. Program to Check Prime Number By Creating a Function
19. Program to Calculate Factorial of a Number Using Recursion
20. Program to Find Largest Element of an Array
21. Program to Calculate Average of Numbers Using Arrays
22. Program to Calculate Standard Deviation
23. Program to Add Two Matrix Using Multi-dimensional Arrays
24. Program to Find Transpose of a Matrix
25. Program to Find square/cube of 1 to 10 numbers.

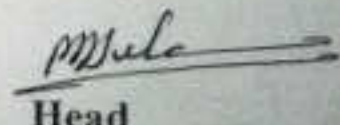


Head

Dept. of Physics



Principal



Head

Dept. of Mathematics

(Introduced from June -2014 onwards)

(i) Paper – I

(ii) Title of Paper - Land Record.



UNIT	No. of Lectures
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Unit. 1. INTRODUCTION TO SURVEYING	15
1.1 Meaning and definition of surveying.	
1.2 History of survey	
1.3 Types of surveying	
1.4 Concept of Surveying	
1.5 Uses of surveying	
Unit. 2. SCALE	15
2.1 Definition and meaning	
2.2 Characteristics and properties.	
2.3 Methods of expression of Scale.	
2.5 Measurement units	
Unit. 3. INTRODUCTION TO LAND PROPERTY	15
3.1 Characteristics of Land	
3.2 Distance and Area	
3.3 Judiciary	
3.4 Important Land and Property Laws	
Unit. 4. VILLAGE RECORD SYSTEM	15
१) गाव नमुना.	
२) गटबुक.	
३) गाव नमुना एक- आकारबंद, जमाबंदी, मिरस, शेतवार पत्रक, कमी जास्त पत्रक.	
गाव नमुना एक-(अ)वन जमीन नोंदवही.	
(ब)बीन भोगवट्याच्या सरकारी जमीनीची नोंदवही.	
(क)भोगवटा वर्ग-२ नोंदवही.	
(ड)कुळवहिवाट कायदा व महाराष्ट्र शेतजमीन अधिनियम १९८१ नुसार अतिरिक्त जमीनीची नोंदवही	
(इ) अतिक्रमण नोंदवही	
गाव नमुना दोन- अक्षिक महसुलाची नोंदवही	
गाव नमुना तीन- इनाम/दुमाला जमीनीची नोंदवही.	
गाव नमुना चार- सक्ती जमीन महसूल नोंदवही	
गाव नमुना पाच- क्षेत्र व महसूल यांचा सर्वसाधारण घोषवारा.	
गाव नमुना सहा- फेरफार पत्रक.	
(अ)वाटयस्त प्रकरणाची नोंदवही.	
(ब)विलंबशुल्क प्रकरणाची नोंदवही	
(क)वारसा प्रकरणाची नोंदवही.	
(ड)पोट हिस्से नोंदवही	
➤ सातबारा उत्तार:-	
गाव नमुना सात (हक्क अधिकार पत्रक)	
गाव नमुना बारा (पीक पाहणी पत्रक)	
गाव नमुना सात (अ)-कुळ वहिवाट नोंदवही	
(ब) गाव नमुना आठ (अ)- धारण जमीनीची नोंदवही	
• इतर महत्त्वाचे अमी अभिलेख:-	

- 5.1 Order wise Hindu Heir Right
- 5.1.1 Women's Right
- 5.1.2 Modification in women's right
- 5.1.3 Method of Agricultural Land Heir registration
- 5.1.4 Distribution of Agricultural Land



REFERENCES :-

1. Singh & Kanujia : Map work and Practical Geography.
2. Maslov A.V. Gordeev A.V., Batrakov Yu.G. Geodetic surveying, 1984. Mir Publishers, Moscow
3. Kanetakar T.P. & Kukarni S.V. 1986. Surveying & leveling, Pune Vidyarthi Griha Prakshan, Pune
4. V. Natarajan P., Adler Ron K. Advanced Surveying, B.I Publ. Bombay
5. Rangwala S.C. 2011. Surveying and Leveling, Charotar Publishing House Pvt. Ltd. Anand, (G.J)
6. www.mahabhulekh.maharashtra.gov.in
7. http://mohsin7-12.blogspot.in/2016/10/blog-post_22.html



SYLLABUS FOR SHORT TERM COURSE IN HORTICULTURE

1. FLORICULTURE

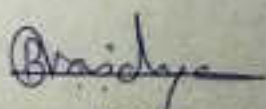
- 1.1 Scope and importance of ornamental crops;
- 1.2 Industrial importance of ornamental plants
- 1.3 Detailed Cultivation of Roses

2. ASEXUAL PROPAGATION

- 2.1 Cutting technique in Hibiscus
- 2.2 Budding technique in Rose
- 2.3 Grafting technique in Mango
- 2.4 Air Layering in Pomegranate

3. PLANT PATHOLOGY

- 3.1 Introduction, scope and objectives of Plant Pathology.
- 3.2 Terms and concepts in Plant Pathology.
- 3.3 Diseases, symptoms and control of rose and mango


HEAD
DEPARTMENT OF BOTANY
Kisan Veer Mahavidyalaya, Wai

2
Certificate Course in Practical Banking

JANATA SHIKSHAN SANSTHAS

KISANVEER MAHAVIDYALAYA WAI

SHORT TERM COURSE OF BANKING



Aims & Objectives:- To acquaint the students with modern banking transactions & facilities.

SYLLABUS

Unit 1: Definition, Nature, Scope & Objectives of Banking business.

Types of deposits & advances. (5 Lectures)

Unit 2: Know Your Client- Requisite documents to be obtained

Advances- Requisite documents to be obtained. (5 Lectures)

Unit 3: Digital Banking Facilities-

a) Internet Banking, Mobile Banking, Pockets & ATM, Debit Card, Credit Card

b) Fund Transfers-RTGS & NEFT (10 Lectures)

Unit 4: Future Digital Banking:-

a) BaaS-Banking as a Service

b) BaaS-Banking as a Platform

c) Cloud based Infrastructure (10 Lectures)


HEAD
Deptt. of Commerce
Kisan Veer Mahavidyalaya
Wai

Syllabus for
Certificate Course in History for Competitive Examination
Academic Year: 2017-2018
Department of History
Kisan Veer Mahavidyalaya, Wai

Ancient India

Pre-history & Proto -history, Indus Valley Civilization, Megalithic Cultures, Vedic Culture, Buddhist India, Mahajanpadas, Mauryan & Post Mauryan period (Indo-Greeks, Sakas, Kushanas & Western Kshatrapas), Early State & Society in Deccan & South, Gupta & Post Gupta Period, Themes in the Early Indian Cultural History

Medieval India

Early Medieval India (750-1200 AD), Polity, Society, Culture & Economy in the Thirteenth & Fourteenth Century, Political Development & Economy, Society & Culture in the Fifteenth and early sixteenth century, Mughal Empire- Economy, Society & Culture

Modern India

The Eighteenth Century, European Penetration into India, British Expansion, Early Structure of the British Raj, Indian freedom Movement, India after Independence, Social Reform Movement of Maharashtra, Heritage of Maharashtra.



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Janata Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai.

Department of Political Science



Syllabus

Short Term Course on

Political Science for Competitive Exams

1. The Constitution of India : Making of the Constitution , Salient Features of the Constitution . Philosophy of the Preamble , Fundamental Rights and Duties – Directive Principles of state policy , major Commissions and Boards: Election Commission, Union and State Public Service Commissions, National Women's Commission, Human Rights Commission, National Minorities, S.C/ S.T Commissions.
2. The Political System : Nature of Indian Federation – Union & State Legislatures, Executive & Judiciary. Union – State Relationship – Administrative , Executive and Financial Relationships. Distribution of Legislative powers, Subjects.
3. Rural and Urban Local Government : Significance of 73rd and 74th Amendment to the Constitution. Empowerment of local government and their role in development.
4. International and Regional Organisations: United Nations and its specialized agencies – UNCTAD, UNDP, ICJ, ILO, UNICEF, UNESCO, UNCHR, EU, APEC, OPEC, OAU, SAARC, NAM, Commonwealth of Nations and European Union.
5. Current Events and Social Issues : Social , Political and Economic issues of the India and the World.



[Signature]
for Head of Dept. of Politics
Kisan Veer Mahavidyalaya
Wai - 412 803, Dist. Satara

"CERTIFICATE COURSE IN LIBRARY MANAGEMENT"

SYLLABUS

Duration: 3 Months

A] Objectives:

1. To introduce the Library and Information Science subject to the students
2. To study the libraries in scientific way
3. To understand the library administrations and information technology
4. To develop the ability to work as librarian in the students
5. To inform the students about library movement and changing scenario of libraries

B] Theory and Practical Papers:

I. Papers –Theory

- | | |
|-----------------------------------|------------|
| 1. Library Administration | -100 Marks |
| 2. Library Organization | -100 Marks |
| 3. Information Services & Sources | -100 Marks |
| 4. Library Classification | -100 Marks |
| 5. Library Cataloging | -100 Marks |

II. Papers Practical

- | | |
|----------------------------------|-----------|
| 6. Library Classification Theory | -80 Marks |
| 7. Library Cataloging Theory | -80 Marks |

C) Library Classification & Cataloging Journals -20 Marks Each

Total -700 Marks

The syllabus is designed by Department of Lifelong Learning & Extension,
Shivaji University, Kolhapur.

Janata Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai

Certificate Course in Basic Beauty Culture

Syllabus

Section – I

- 1) Introduction to Beauty Studies
- 2) How should a beautician be
- 3) Parlor Management
- 4) Skin Types
- 5) First Aid
- 6) Guidance for becoming a best beautician

Section – II

- 1) Introduction to Beautician
- 2) Threading and Plucking
- 3) Face cleaning
- 4) Bleaching
- 5) Facial/Scrubbing
- 6) Toning
- 7) Stemming
- 8) Pill-up Mask
- 9) Manicure
- 10) Pedicure
- 11) Waxing
- 12) Head massage
- 13) Hair Dye – Mehendi Dye
- 14) Haircuts – Four Types
- 15) Hair Style – Four Types
- 16) Makeups
- 17) Bridal Makeups



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Sou. N. H. Kanase

Janata Shikshan Sanstha's

Kisan Veer Mahavidyalaya, Wai

Certificate Course in Fashion Designing

Paper – I (Theory)

Marks 100

- 1) Instruments Used in Tailoring
- 2) Types of Sewing Machine
- 3) Parts of Sewing Machine
- 4) Methods of Measurement
- 5) Defects in cloths and its Remedies

Paper –II (practical)

Marks 100

- 1) Paper Cutting as per Measurements
 - I. Types of Neck
 - II. Basic Body Block
 - III. Stand Collar
 - IV. High Collar
 - V. Simple Sleeves
 - VI. Wrinkled Sleeves
 - VII. Three fourth Sleeves
 - VIII. Overlap Sleeves

- 2) Journal

Paper –III (Practical)

Marks 100

- 1) Readymade Cloths
- 2) 'A' Line Top
- 3) Umbrella Top
- 4) High neck Top
- 5) Stand Collar Top
- 6) Weaving (Bharatkam/Vinkam)



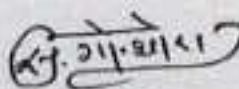
निदेशक
डॉ. ए. ए. कानसे

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai,
Dist- Satara.

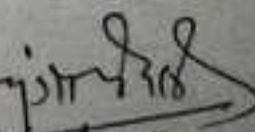
Syllabus

Certificate Course in Personality Development

Paper No.	Particulars	Lecture in hours
I	Body Language: <ul style="list-style-type: none">➤ Introduction to Body Language.➤ Body Language That Displays Different Emotions.➤ Using Body Language to Your Personal Advantage.➤ Using Body Language in Your Career.➤ The Power Of First Impressions.	20 (each topic 04 lecture hour)
II	Stress Management: <ul style="list-style-type: none">➤ Introduction to Stress.➤ Stress Prevention,➤ Stress in the Home.➤ Dealing With Frustration and Anger.➤ Stress Reducing Exercises.	20 (each topic 04 lecture hour)
III	Communication Skills: <ul style="list-style-type: none">➤ Introduction to communication skills➤ Presentation Skills.➤ Interviews.➤ Public Speaking.➤ Preparing the Speech.	20 (each topic 04 lecture hour)
		60


In-charge




Principal

Minutes



With the inclusion of two experts the course was renamed as "I.T. in Learning English" and with their valuable suggestions the following syllabus was presented in the meeting by the course coordinator and it was unanimously accepted. The period of the course was extended to one year. But Project Work to be made part of it.

Syllabus

I.T. in Learning English

Module I - i. English Grammar

ii. Vocabulary.

iii. Compulsory English Textbook
- One Text for the course & for the Project. Work.

Period - 1 July 2016 to ~~Oct. 2016~~
30 July 2016

Module II - i. How to Open Email

ii. How to communicate using Email.

2 iii- How to ~~open~~ ~~text~~
Browse on P.C.

Period- 1 Aug to 30 Sept 2016.
Mod.

module ~~iii~~ i. How to type the
given text in
windows file.

ii. How to attach file
and send to the
expert.

Period- 1 Oct to 30 Nov.

The course was successfully completed
in 2015-16. Project files are
kept in the department.

No of students: 210.



9 MAR 2018

Certificate Course in Counselling and Life Skills Management

COURSE DESCRIPTION

The department of under graduate studies in Psychology, Kisan Veer Mahavidyalaya, Wai offers six months part-time Certificate Course in Counselling and Life Skills Management. The Certificate Course in Counselling and Life Skills Management is self-designed and self-funding. The course was started after consultation with the renowned Psychiatrists.

MISSION

The Department of U.G. Studies in Psychology at Kisan Veer Mahavidyalaya, Wai is committed to the primary training and development of competent under graduate students.

PHILOSOPHY OF TRAINING

The program in Counselling Psychology and Life Skills Management provides primary training to those who wish to promote mental health in individuals, families, organizations, and communities through careers in direct service, leadership, research, and education.

GOALS

The fundamental goal of the department is help the students to enhance awareness, knowledge and skills in the discipline of Counselling Psychology and Life Skills Management.

ADMISSION CRITERIA AND ELIGIBILITY

1. Duration : Six months (22 July, 2017 to 22 February, 2018)
2. Eligibility: Under graduate students of College.

Syllabus Formation Committee

1. Dr. Prasanna Dabholkar (M.D. Psychiatry, Satara)
2. Dr. Animish Chavan (M.D. Psychiatry, Satara)
3. Dr. Chitra Dabholkar (M.D. Paediatric and Life Skills Trainer)
4. Prof. Anand Ghorpade (Head, Dept. of Psychology, KVM, Wai)
5. Asst. Prof. Ajay Jadhav (Faculty, Dept. of Psychology, KVM, Wai)

Syllabus

MODULE- I:	Introduction to Counselling: Definition, Nature and Goals
MODULE- II :	1. Difference between Guidance, Counselling and Psychotherapy 2. Ethics of Counsellors
MODULE -III:	Types of Counselling
MODULE- IV:	1. Interactions between Counsellor and Counsee 2. Interview 3. Use of Technology 4. Psychological Tests, Inventories, Checklist, etc.
MODULE -V:	Life Skills Management

FEE Structure	Rs.250/- per student
Medium of Instruction	Medium of instruction shall be Marathi.
Examination	By Practical in the prescribed Schools at Wai.
No. of Participants	57 students completed Certificate Course



[Signature]
Dept. of Psychology
Kisan Veer Mahavidyalaya
Wai

Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Statistics
Certificate Course in R- Software



Syllabus

1. Introduction to R

- I. Introduction
- II. R as a Statistical Software and language
- III. Data types and arithmetic operators
- IV. R preliminaries

2. Methods of Data Input

- I. C- function
- II. Seq-function
- III. Scan function
- IV. Rep-function
- V. Data-frame function
- VI. Matrix function

3. Diagrammatic presentation

Standard plot functions , arguments to plot function, low level plotting functions Bar diagram, Sub-divided bar diagram, multiple bar diagram, subdivided bar diagram, pie- diagram, stem and leaf plot.

4. Preparation of frequency table and graphical representation

Construction of frequency distribution table (for discrete and grouped data). Graphical representation- Rod and Spike graph, Histogram , Frequency polygon, Ogive curves.

5. Measures of central tendency and dispersion-

Arithmetic Mean , Geometric mean, Harmonic mean, Median , Quartiles Deciles, Percentiles, Mode. Interquartile range, Mean deviation about mean, Variance , Standard Deviation, Coefficient of variation.

6. Measures of Moments ,Skewness and kurtosis-

Raw and central moments, Measures of Skewness , Measures of Kurtosis.

7. Probability and Probability Distribution

Application of Binomial Distribution, Fitting of Binomial distribution, Application of hypergeometric distribution, fitting of hypergeometric distribution, Poisson Distribution.

Normal Distribution, Exponential Distribution.



8. Statistical Inference

- I. Sampling distribution of sample mean
- II. Estimation of parameters
- III. Plots to check normality
- IV. Hypothesis testing, chi-square test, t-test, f-test
- V. Goodness of fit tests.

Reference Books

1. Statistics Using R – Sudha G. Purohit, Sharad Gore, Shailaja Deshmukh.
2. Statistics Using R – Prof. Pawgi V.R.

Duration of the Course – Four Month (40 Clock Hours)

Laboratory Requirements:

Laboratory should be well equipped computers along with R software, UPS, and Printers.