



**Prof.Dr.T.J.Sawant**  
D.E.E., B.E.(Electrical), MISTE,Ph.D  
**FOUNDER SECRETARY**

**JAYAWANT SHIKSHAN PRASARAK MANDAL'S**  
**Jayawantrao Sawant College of Engineering**

(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)

Id.No. : PU/PN/Engg/199/(2004)  
S. No.58, Handewadi Road, Hadapsar, Pune - 411028  
Ph. :8484897374      **Telefax** : 020-26970880  
Email : principal@jspmjscoe.edu.in  
Website : www.jspmjscoe.edu.in



**Dr. Rajendra D. Kanphade**  
M.E. Ph.D. (Electronics Engg.)  
LMISTE, FIETE, SMIEEE  
**Principal**

## 6.2.2. Implementation of e-governance in areas of operation

<b>Sr. No.</b>	<b>e-governance</b>	<b>Usage</b>	<b>Page No.</b>
1	<b>Administration</b>		
	1) Institute web site	Admission, link of Moodle, report grievance, information placement.	2
	2) Moodle	Notification, Academic calendar.	3
	3) Institute Mail Server	Information communication.	
2	<b>Finance and Accounts</b>		
	1) Tally	Business transactions, Tally has made calculations simple.	4
	2)MS office	OBE, Microsoft Excel enables users to format, organize and calculate data in a spreadsheet.	5
3	<b>Student Admission and Support</b>	Notes, Exam, Quiz, Assessment.	9
	1) Moodle		
	2)Library	Koha, Automation ,Social media.	10
4	<b>Examination</b>	1)CET portal 2)Moodle	13

Institute web site:-

The screenshot displays the website for JSPM's Jayawantrao Sawant College of Engineering. The browser's address bar shows the URL `jspmscoe.edu.in/admissions/apply_now`. The website header includes the college's logo, name, and contact information. A navigation menu lists various sections like Home, About, Admissions, Academics, Placements, Campus-Life, IQAC, IIC, Student Innovation Clubs, and Contact. The main banner features a group of students and the text "ADMISSION ENQUIRY". Below the banner, there is a "Know More" sidebar with links to "Admission Enquiry", "Institute Brochure", "Programs Offered", "Documents Checklist", and "Scholarships Available". The main content area is titled "Admission Enquiry" and contains the following text: "Admission Open for New branch Artificial Intelligence and Data Science(AI & DS) (Choice Code-614599510) is started from Academic Year 2023-24". Below this text are input fields for "Full Name \*", "Mobile Number \*", and "Email ID \*". The Windows taskbar at the bottom shows the system tray with the date 8/3/2023 and time 10:16 AM.

- So that admission seekers can get all information about institute, departments, courses, other facilities etc

## Moddle:-

The screenshot shows a web browser window with the URL [bcud.unipune.ac.in/CollegeDetails/ExistingCollege/Step1\\_OrganisationDetails.aspx](http://bcud.unipune.ac.in/CollegeDetails/ExistingCollege/Step1_OrganisationDetails.aspx). The page title is "Organisation Details / संस्थेची माहिती".

**Note:**

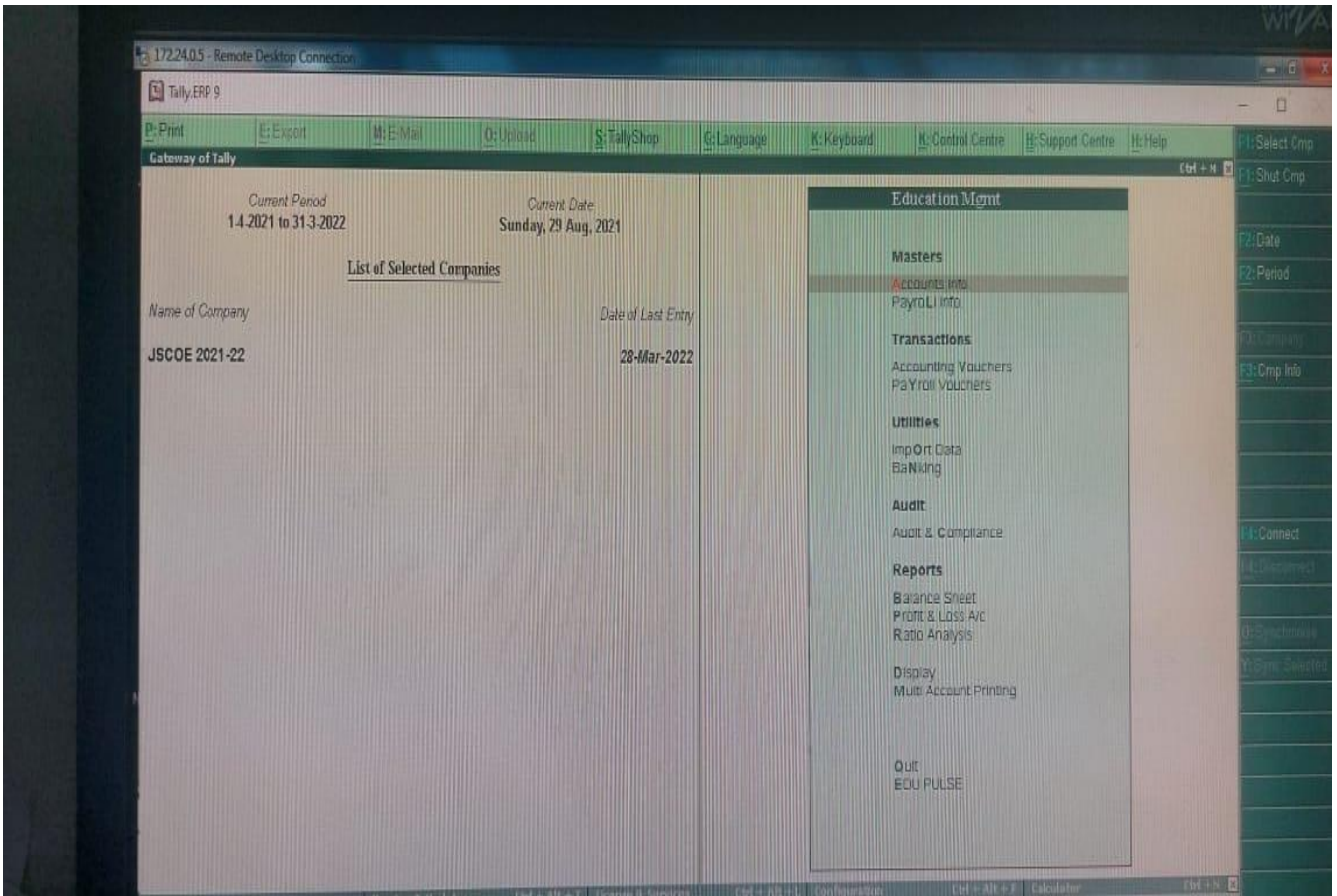
- खालील सर्व माहिती भरणे अनिवार्य आहे.

(अ) संस्थेचे नाव व पत्ता

<b>संस्थेचे नाव</b>	<b>Name of the organisation</b>
जयवंत शिक्षण प्रसारक मंडळ	Jayawant Shikshan Prasarak Mandal
<b>संपूर्ण पत्ता</b>	<b>Full Address</b>
स.नं. ८०/३ पुणे मुंबई बायपास हायवे, ताथवडे	S.No.80,Pune-Mumbai Bypass Highway, Tathwade, Pune-33
<b>जिल्हा</b>	<b>District</b>
पुणे	Pune
<b>तालुका</b>	<b>Taluka</b>
हवेली	Haveli
<b>ठिकाण</b>	<b>PIN Code</b>
पुणे	411033

The Windows taskbar at the bottom shows the system time as 12:41 PM on 3/29/2022.

# Finance and Accounts



**Server bill :-**

SUPREME COMPUTERS & SOFTWARES ( FY 2016-17 )		Invoice No.	Dated
Shop No 1A, Ground Floor, Shreenath Plaza, 1184/4, Dnyaneshwar Paduka Chowk F. C. Road, Pune 411 005 Tel. 020-41228047 / 49 Mob. 9822423495 E-Mail : supremetec@vsnl.net		355	12-Jun-2017
Buyer <b>Jayawant Shikshan Prasarak Mandal</b> Survey No 58 Indrayaninagar, Handewadi Road Hadapsar, Pune 411 028 Phone : 020-24317383/84/85		Delivery Note	Mode/Terms of Payment 50% ADV.&50% After Delivery Other Reference(s)
		Supplier's Ref. <b>shekhar dt. 25-May-2017</b>	Buyer's Order No.
		Ref.No.JSPM/PO/8449/2016-17	Dated <b>26-Apr-2017</b>
		Despatch Document No.	Delivery Note Date
		Despatched through	Destination
		Terms of Delivery <b>JSPM Campus at Hadapsar Pune</b>	

Sl No.	Description of Goods	Quantity	Rate	per	Amount
1	DELL PowerEdge T630 Server Service Tag : 6T872K2 Dual Processor (1+1) Intel Xeon E5-2650 V4 2.2GHz, 30M Cache, 9.60GT/s QPI, Turbo, HT, 12C/24T(105W) Max Mem 2400MHz Chassis with Upto 8 3.5" Hard Drives Bezel OpenManage DVD Kit, Memory 8x 16GB RDIMM 2400MT/s Dual Rank, X8 Data Width iDRACs Enterprise Integrated Dell Remote Access Controller, Enterprise HDD : 3 x 600GB 10K RPM SAS 2.5in Hot-Plug Hard Drive with 3.5in HYB CARR PERCH:30 RAID Cr, 1GBN Cache	1 NOS	5,48,750.00	NOS	5,48,750.00

continued ...

INWARD NO. 83  
 नामनेल शिकण प्रसारक मंडळ  
 अणभर केमर  
 दिनांक 12/06/17  
 माल वेगान्याची सही [Signature]  
 माल वेगान्याचे नांव [Signature]  
 माली नांव [Signature]  
1711252 6412 1201



This is a Computer Generated Invoice

**Tax Invoice(Page 2)**

(Duplicate)

**SUPREME COMPUTERS & SOFTWARES (FY 2016-17)**

Shop No 1A, Ground Floor,  
Shreenath Plaza, 1184/4,  
Dnyaneshwar Paduka Chowk  
F. C. Road, Pune 411 005  
Tel. 020-41228047 / 49  
Mob. 9822423495  
E-Mail : supremetec@vsnl.net

Buyer

**Jayawant Shikshan Prasarak Mandal**

Survey No 58  
Indrayaninagar, Handewadi Road  
Hadapsar, Pune 411 028  
Phone : 020-24317383/84/85

Invoice No.	Dated
<b>355</b>	<b>12-Jun-2017</b>
Delivery Note	Mode/Terms of Payment
	<b>50% ADV.&amp;50% After Delivery</b>
Supplier's Ref.	Other Reference(s)
<b>shekhar dt. 25-May-2017</b>	
Buyer's Order No.	Dated
<b>Ref.No.JSPM/PO/9449/2016-17</b>	<b>26-Apr-2017</b>
Despatch Document No.	Delivery Note Date
Despatched through	Destination
Terms of Delivery	
<b>JSPM Campus at Hadapsar Pune</b>	

SI No.	Description of Goods	Quantity	Rate	per	Amount
	2 X 105W Heatsink for PowerEdge T630 16x SATA DVD-ROM Drive Dual, Hot-Plug, Redundant Power Supply (1+1), 750W PE Server FIPS TPM 1.2v2 CC On-Board LOM 1GBE (Dual Port for Towers No Operating System RAID 5 for H330/H730/H730P (3-32 HDDs Or SSDs) Performance BIOS Settings 5Yr ProSupport NBD (Parts+Labor) ProSupport: 7x24 Technical Support & Assistance: 5Yr				
	<b>OUTPUT VAT 6%</b>				<b>32,925.00</b>
	<b>Total</b>	<b>1 NOS</b>			<b>Rs. 5,81,675.00</b>

Amount Chargeable (in words) E. & O.E  
**INR Five Lakh Eighty One Thousand Six Hundred Seventy Five Only**

Company's VAT TIN : 27520730557V w.e.f. 13.10.2009  
 Company's CST No. : 27520730557C w.e.f. 13.10.2009  
 Company's Service Tax No. : ABDPL6320JST001  
 Company's PAN : ABDPL6320J

Declaration  
 I/We hereby certify that my / our registration certificate under the maharashtra Value Added Tax Act, 2002 is in force on the date on which the sale of the goods specified in this " Tax Invoice " is made by me / us and that the transaction of sale covered by this " Tax Invoice " has been effected by me / us and it shall be accounted for in the turnover of sales while filling of return and the due tax if any payable on the sale has been paid or shall be paid.

INWARD NO. **53**  
 जयवंत शिक्शन प्रसारक मंडळ  
 इंदरयानिगर  
 दिनांक **12/06/17**  
 प्राप्त वेगान्यायी सही  
 प्राप्त वेगान्यायी नांव  
 याची नंबर **1212526412-120**

for SUPREME COMPUTERS & SOFTWARES (FY 2016-17)



Authorised Signatory

*Handwritten signature and number 10909*

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**Tax Invoice**

(Duplicate)

**SUPREME COMPUTERS & SOFTWARES ( FY 2016-17 )**

Shop No 1A, Ground Floor,  
Shreenath Plaza, 1184/4,  
Dnyaneshwar Paduka Chowk  
F. C. Road, Pune 411 005  
Tel. 020-41228047 / 49  
Mob. 9822423495  
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Buyer  
**Jayawant Shikshan Prasarak Mandal**  
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Supplier's Ref.	Other Reference(s)
<b>shekhar dt. 25-May-2017</b>	
Buyer's Order No.	Dated
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continued ...

INWARD NO. 83  
 जयवंत शिक्षण प्रसारक मंडळ  
 जयवंत कॅम्पस  
 दिनांक 12/06/17  
 माल प्रत्येकी माली  
 माल प्रत्येकी माली  
 माली नंबर 1171252 6412-1201



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# Student Admission and Support:-

## PROGRAMMING AND PROBLEM SOLVING



**JSPM's Jayawantrao Sawant College of Engineering, Hadapsar, Pune-28**  
Department of Engineering Sciences.



PROGRAMMING AND PROBLEM SOLVING

**Course Objectives**

1. To understand problem solving, problem solving aspects, programming and to know about various program design tools.
2. To learn problem solving with computers.
3. To learn basics, features and future of Python programming.
4. To acquaint with data types, input output statements, decision making, looping and functions in Python.
5. To learn features of Object Oriented Programming using Python.
6. To acquaint with the use and benefits of file handling in Python.

**Course Outcomes**

On completion of the course, learner will be able to-

CO1: Analyze and apply various skills in problem solving.

CO2: Choose most appropriate programming constructs and features to solve the problems in identified domains.

CO3: Exhibit the programming skills for the problems those require the writing of well documented programs including use of the logical constructs of language, Python.

CO4: Demonstrate significant experience with the Python program development environment.

**Reference with PD's**

P	A	D	I
Python Knowledge	Problem Analysis	Design & Development	Implementation of problem
Modern Tool Usage	Engineer & Society	Environment Sustainability	ETHICS
Individual & Team work	Communication	Project Management & Finance	Life Long Learning

**Python Creator Guido Van Rossum**



**Course Contents - Key Concepts**

**Problem Solving**



**Python Programming**



**Where to use programming language?**

- ◆ Data structures and Algorithm
- ◆ Robotics and Automation
- ◆ Data Science & Machine Learning
- ◆ Artificial intelligence.
- ◆ Networking & Web Application
- ◆ Internet of Things

**Scope of Course (Future Prospects)**

- ◆ Operating System
- ◆ System Software.
- ◆ Embedded System.
- ◆ Web Application
- ◆ Real Time Application
- ◆ Mobile Application

**Job Opportunities**



### UNIT-I: Problem Solving, Programming and Python Programming

#### CO1: Inculcate and apply various skills in problem solving

#### Syllabus Content:

Part-I: General Problem Solving Concepts: Problem solving in everyday life, types of problems, problem solving with computers, difficulties with problem solving, problem solving aspects, top down design. Problem Solving Strategies,

Part-II: Program Design Tools: Algorithms, Flowcharts and Pseudo-codes, implementation of algorithms.

Part-III: Basics of Python Programming: Features of Python, History and Future of Python, Writing and executing Python program, Literal constants, variables and identifiers, Data Types, Input operation, Comments, Reserved words, Indentation, Operators and expressions, Expressions in Python.

#### UNIT-I-Learning Resources

##### UNIT-I-Handwritten Notes

- Unit-I-Part-I- General Problem Solving.pdf
- Unit-I-Part-II- Program Design Tools.pdf
- Unit-I-Part-III- Basics of Python Programming.pdf

##### Unit-I-PPT

##### Unit-I-Execution File

##### Unit-I-Reference Book Algorithm and Flowchart

##### Unit-I-Reference Book Basics of Python





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## UNIT-VI: File Handling and Dictionaries

### **CO4: Demonstrate significant experience with the Python program development environment.**

#### *Syllabus Content:*

**Files:** Introduction, File path, Types of files, Opening and Closing files, Reading and Writing files.

**Dictionary method.:** mkdir(), getcwd(), rmdir(), listdir()

**Dictionaries-** creating, assessing, adding and updating values.

#### *UNIT-VI-Learning Resources*

 [Hand written Notes Unit VI](#)

 [UNIT VI PPT](#)

 [PPS UNIT 6 REFERENCE BOOK](#)

#### *UNIT-VI-Video Links*

 [UNIT-VI File Handling](#)

 [UNIT-VI Directory Method](#)

 [UNIT-VI Dictionary](#)

#### *UNIT-VI-Question Bank (Theory and MCQ)*

 [UNIT-VI Theory Question Bank](#)

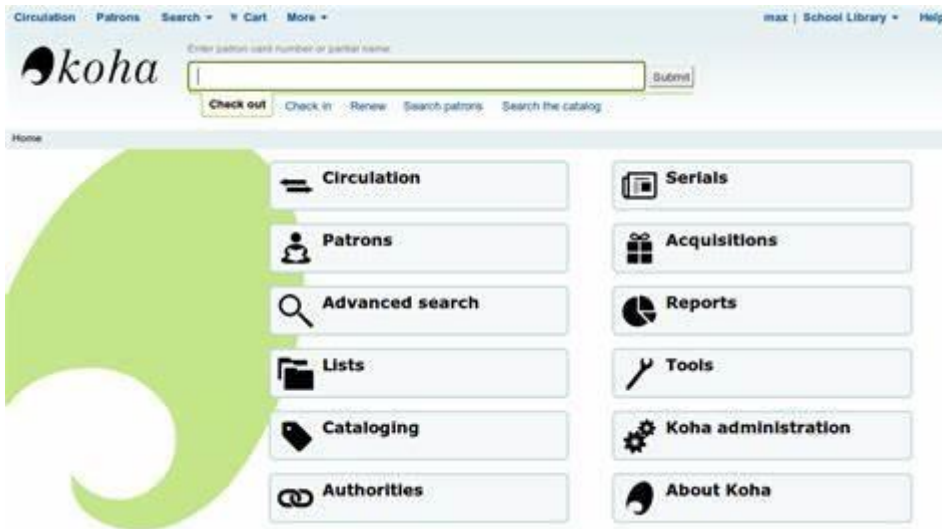
 [UNIT-VI MCQ Question Bank](#)

#### *UNIT-VI-MCQ Assignment (QUIZ)*

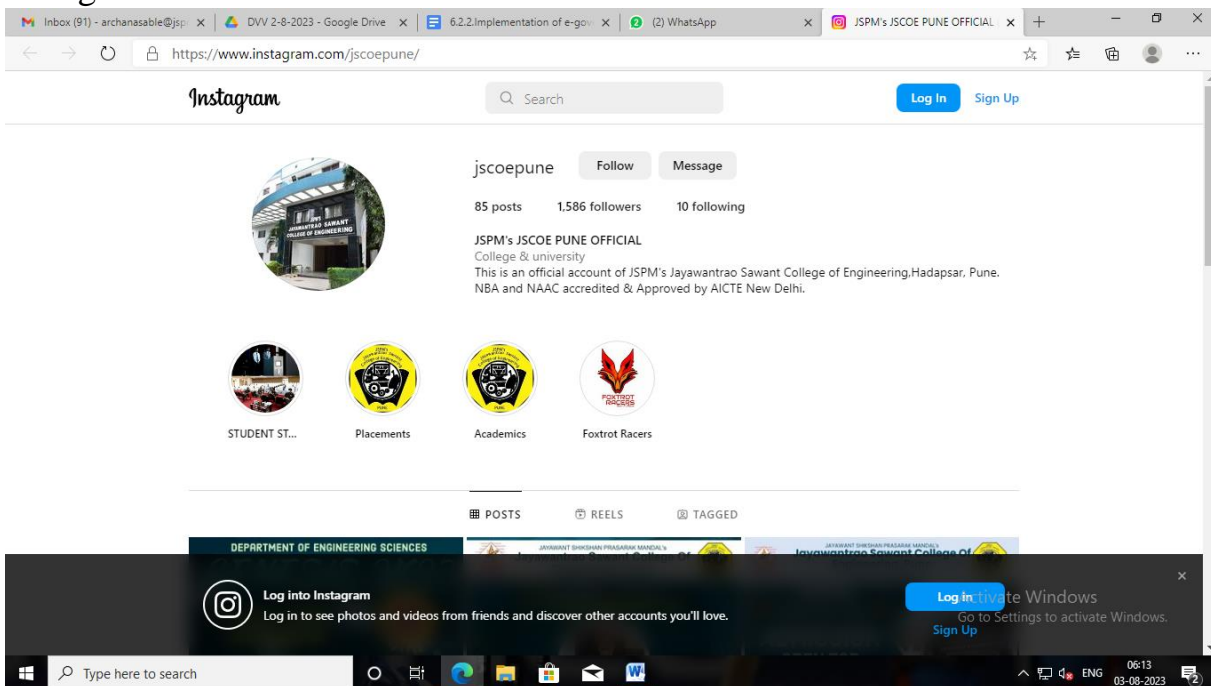
 [PPS UNIT 6 QUIZ](#)

 39 of 49 attempted

## Koha software (Library) :-



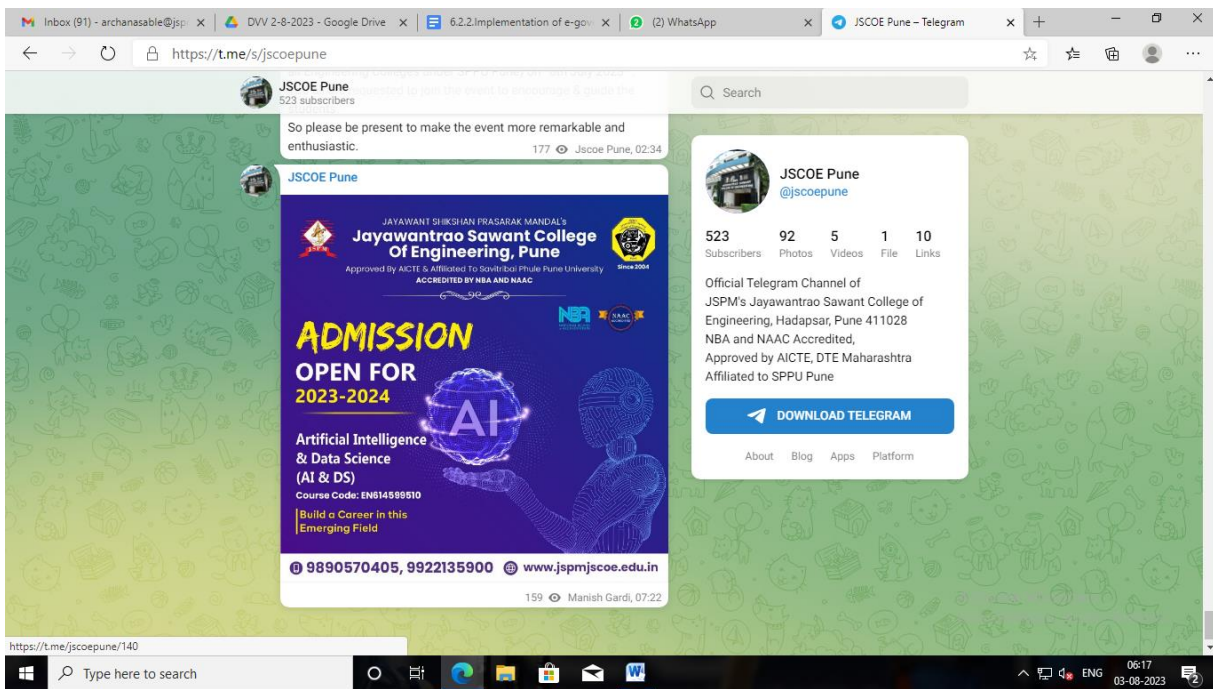
## Instagram:-



## Face book:-



Telegram:-



You tube:-

Inbox (91) - archanasable@jspm x DVV 2-8-2023 - Google Drive x 6.2.2.Implementation of e-gov x (2) WhatsApp x Jayawantrao Sawant COE, Had x

https://www.youtube.com/channel/UCaNY83Gs8eKxMh6a-3ucsQ

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JSPM'S  
JAYAWANTRAO SAWANT  
COLLEGE OF ENGINEERING

Jayawantrao Sawant COE, Hadapsar, Pune  
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Official Channel of JSPM's Jayawantrao Sawant College of Engineering Ha... >

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1st Prize in the Category of Drone So-Hus-Banna Ka... Mechanical Engineering

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ENG 06:19 03-08-2023

# Examination:-

State Common Entrance Test Cell, Government of Maharashtra

First Year Under Graduate Technical Courses in Engineering and Technology (4 Years) & Master of Engineering and Technology (Integrated 5 Years) Admissions A.Y. 2021-22

Technical Helpline Number (09:00 AM to 07:00 PM) +91-9175108612, 18002091777

Welcome, 6145

Choice Code Wise Composite Report for JSPM'S Jaywantrao Sawant College of Engineering, Pune

Export to Excel

Select Course Type: All

Sr. No.	Choice Code	Course Name	CAP (Excluding Minority) Quota				Against CAP (Excluding Minority) Quota				Int
			Intake	Admitted	Cancelled	Vacancy	Intake	Admitted	Cancelled	Vacancy	
1.	614524510	Computer Engineering	96	86	5	10	10	10	1	0	
2.	61452451IT	Computer Engineering	6	6	0	0	0	0	0	0	
3.	614524610	Information Technology	48	45	0	3	3	3	1	0	
4.	61452461IT	Information Technology	3	2	0	1	1	0	0	1	
5.	614529310	Electrical Engineering	60	38	1	22	22	2	0	20	

EN 12:37 PM 3/29/2022