--Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

# राजे रामराव महाविद्यालय, जत Raje Ramrao Mahavidyalaya, Jath

### Department of Geography

### Report on

# A Certificate Course in 'Introduction to GPS'

By

Coordinator

Mr. Vishal P. Koli

Department of Geography, Raje Ramrao Mahavidyalaya, Jath

Submitted to

**Internal Quality Assurance Cell (IQAC)** 

Raje Ramrao Mahavidyalaya, Jath

(2021 - 22)

#### Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

### RAJE RAMRAO MAHAVIDYALAYA, JATH

#### **DEPARTMENT OF GEOGRAPHY**

Date: 16/11/2021

To, The Principal, Raje Ramrao Mahavidyalaya, Jath.

Subject: Regarding to Certificate Course in 'Introduction to GPS'

#### Respected Sir,

With reference to the above cited subject we are going to start 30 days Certificate Course in 'Introduction to GPS' in first term. Consider the above request and oblige.

Thanking You,

Yours Faithfully

Head.

Department of Geography R. R. College, Jat (Sangil)

#### **DEPARTMENT OF GEOGRAPHY**

Certificate Course in 'Introduction to GPS'

### Academic Year 2021-2022

#### BOARD OF STUDIES

#### **Notice of Meeting**

Date: 16th Nov. 2021.

The meeting of the members of BOS in certificate Course in Introduction to GPS is held on 20<sup>th</sup> Nov. 2021 for the preparation of syllabus. The following members are present and prepared the syllabus of above course and Submitted to college authority.

Name	Position	Signature
Mr. Y. S. Shinde	Chairman	Shal
Mr. N. G. Lawte	Member	Farman
Mr. P. M. Kamble	Member	Raul S.
Mr. V. P. Koli	Member	Ukan
Mrs. V. P. Kamble	Member	James .

Mr. Vishal P. Koli

Coordinator

Mr. V. S. Shinde

Head of Department

#### Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

### RAJE RAMRAO MAHAVIDYALAYA, JATH

#### **DEPARTMENT OF GEOGRAPHY**

**Date-** 22<sup>th</sup> November 2021

#### **NOTICE**

All the students from B. A. III are hereby informed that, our college is going to start a certificate course entitled 'Introduction to GPS' for this academic year. All the students should take admissions as earlier possible.

Coordinator

Head



#### Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

### Raje Ramrao Mahavidyalaya, Jath

Dist. Sangli-416 404 (MS) (Affiliated to Shivaji University, Kolhapur)

#### **Certificate Course**

### **Syllabus**

#### **TITLE- Introduction to GPS**

#### **Objectives:**

- 1. To enhance students' ability to apply their specialized knowledge in the geographical domain.
- 2. To develop employability skills and competencies to serve the job requirements in the society.
- 3. Inspire students to develop the abilities among them to offer services in the entrepreneurial environment.

#### **Outcomes:**

- 1. Good employability skills as per current need of the society to compete in the competitive world.
- 2. They will have good understanding about proper utilization of natural resources through geographical knowledge with the help of Remote Sensing..
- 3. Develop research interest to solve critical and emerging societal issues related to geography and the surrounding environment with the help of Remote Sensing.
- 4. Students will become familiar with modern techniques of geography.
- 5. Students will be prepared to apply their skills in professional careers.

1. Duration of course: 45 Days

2. Eligibility to course: Students studying in B. A.

3. Admission: On the basis of merit

**Evaluation System:** 

All the students will be continuously evaluated by,

a. Attendance 10M

b. One final examination (One papers) 40 M

Nature of Theory question paper:

1. Exam is of Objective type. Total 20 objective type questions and each question carrying 2 marks. (40 marks)

**Grades:** A grade = above 75, B grade = above 60, C grade = above 50

**Certification:** A certificate will be issued on successful completion of the course.

#### **Syllabus**

**Module** 1. Introduction to GPS (08 Lectures)

Types of GPS System

**Module** 2. Space Control and User Segment (08 Lectures)

GPS Satellite, Working Principals of GPS

**Module 3.** Sources of GPS errors (07 Lectures)

Differential GPS

**Module 4.** GNSS & GIS Integration (07 Lectures)

Application of GPS

#### **References:**

1. Adriaans, P., and D. Zantinge. 1996. Data Mining. New York: Addison-Wesley.

- 2. Bernhardensen, Tor. 1999. Geographic Information Systems: An Introduction. Toronto: John Wiley & Sons, Inc.
- 3. Bishop, Michael P. and Shroder, John F. (Eds.) 2004. Geographic Information Science and Mountain Geomorphology. Chichester, U.K.: Praxis Publishing (Springer).11
- 4. Bracken, Ian and Webster, Christopher. 1990. Information Technology in Geography and Planning (Including Principles of GIS). London & New York: Routledge.
- 5. Burrough, Peter A. and McDonnell, Rachael A. 1998. Principles of Geographical Information Systems Spatial Information Systems and Geostatistics. Oxford University Press

# A Certificate Course in Introduction to GPS <u>Enrollment List</u>

Sr. No.	Roll No.	Name	Gender	Class
1.	1931	*Ballari Bharti Sunkana	F	B. A. III
2.	1932	*Bandage Priyanka Maruti	F	B. A. III
3.	1933	*Chaugule Priyanka Tukaram	F	B. A. III
4.	1934	*Chavan Priyanka Suresh	F	B. A. III
5.	1935	*Jadhav Soniya Ram	F	B. A. III
6.	1936	*Kalal Namrata Sanjay	F	B. A. III
7.	1937	*Kamble Shilpa Gangappa	F	B. A. III
8.	1938	*Karenawar Sneha Subhash	F	B. A. III
9.	1939	*Kokare Ujwala Abasaheb	F	B. A. III
10.	1940	*Mali Ashwini Ramchandra	F	B. A. III
11.	1941	*Mali Ashwini Vijay	F	B. A. III
12.	1942	*Mali Rupali Rajaram	F	B. A. III
13.	1943	*Mane Sakshi Sanjay	F	B. A. III
14.	1944	*Nilajagi Tejaswini Kumar	F	B. A. III
15.	1945	*Patole Bhagyashri Nagappa	F	B. A. III
16.	1946	*Pawar Shivani Vijay	F	B. A. III
17.	1947	*Sabale Sushama Arun	F	B. A. III
18.	1948	*Sargar Deepali Lakshman	F	B. A. III
19.	1949	*Sawant Priyanka Ramchandra	F	B. A. III
20.	1950	*Torane Dipali Balu	F	B. A. III
21.	1951	*Waghamare Ankita Rajaram	F	B. A. III
22.	1952	Aiwale Prathmesh Ramesh	M	B. A. III
23.	1953	Bhosale Anil Baban	M	B. A. III
24.	1954	Chougule Abhijit Satish	M	B. A. III
25.	1955	Dudhal Vinod Dadaso	M	B. A. III
26.	1956	Jadhav Digambar Shrikant	M	B. A. III
27.	1957	Kale Sagar Devappa	M	B. A. III
28.	1958	Khandekar Nagappa Shivaji	M	B. A. III
29.	1959	Khandekar Rupali Suresh	M	B. A. III

30.	1960	Kharat Abhijit Rajesh	M	B. A. III
31	1961	Mane Amit Sanjay	M	B. A. III
32.	1962	Mane Prashant Tanaji	M	B. A. III
33.	1963	Mane Sachin Annappa	M	B. A. III
34.	1964	Pathrut Abhishek Sudhakar	M	B. A. III
35.	1965	Pawar Avinash Ramesh	M	B. A. III
36.	1966	Sale Avinash Sanjay	M	B. A. III
37.	1967	Salunkhe Ranjit Shivaji	M	B. A. III
38.	1968	Tamboli Ayaj Kabir	M	B. A. III
39.	1969	Torane Tukaram Balu	M	B. A. III
40.	1970	Vagare Suryaba Ankush	M	B. A. III
41.	1971	Bankar Vishal Balu	M	B. A. III
42.	1972	Yamgar Prashant Dnyanu	M	B. A. III

COORDINATOR

SH-L

Department of Geography Certificate Course: Attendance Sheet

Roll No.	Name	01/12/21	02/12/2	105/12/21	04/12/1	elister	07/12/21	8/12/2/	9/12/12/
1931	*Ballari Bharti Sunkana	10	The .	BU	BY.	De-	BU	AB	AN
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1942	*Mali Rupali Rajaram	Mali R.R	43	Macier	matiff	Malile	Mali Rt	MALIR	RHIPE
1943	*Mane Sakshi Sanjay	8	82	8.	8	8	8	8	B
1944	*Nilajagi Tejaswini Kumar	J. K. Niloyogi	T. K. Nitag	T. K. Nilling	T. KNKOL	13	T. K. Medi	TKHO	TKNIGH
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1947	*Sabale Sushama Arun	Sabale	Sable	AB	Rabale	able	Lable	Bable	Stable
1948	*Sargar Deepali Lakshman	Deepali	Despoli	Doepoli	Deepoli	Deepati	Deepali	Despot	Deepal
1949	*Sawant Priyanka Ramchandra	AB	AB	AB.		V	/	/	- '
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Department of Geography Certificate Course: Attendance Sheet

Roll No.	Name	10/12/21	11/12/21	13/12/21	14/12/2	15/12/21	16/12/21	17/12/24	18/12/2
1931	*Ballari Bharti Sunkana	Du.	23	Du.	AB	Dir.	503	AB	DIM
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1936	*Kalal Namrata Sanjay	Newel	Marke	Ment	Necele	AB	Needel	Male	Naile
1937	*Kamble Shilpa Gangappa	S.G.K	5-9k	AD.	S.Q. K	5.9.K	5.6K	S-6.K	5.4.K
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# Department of Geography Certificate Course: Attendance Sheet

Roll No.	Name	20/12/21	21 12 21	22/12/21		24/12/21	27/12/21	28 12 2	29/144
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#### Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

### RAJE RAMRAO MAHAVIDYALAYA, JATH

#### **DEPARTMENT OF GEOGRAPHY**

Date- 31th December 2021

#### **NOTICE**

All the students of Introduction to GPS certificate course are hereby informed that, the final exam of our Course will be conduct on  $4^{th}$  January 2022 at 11.00 am in Room No. 40. All the students should attend the same on time.

Course Coordinator

Sourced with Head

#### श्री स्वामी विवेकानंद शिक्षण संस्था संचालित

# राजे रामराव महाविद्यालय, जत

### भूगोल विभाग जीपीएसची ओळख (Introduction to GPS)

रोल नं.

विद्यार्थ्याचे नाव:

एकूण गुण- ४०

दिनांक: ०४/०१/२०२२	—————————————————————————————————————						
१. GNSS प्रणाली आहेत.							
अ. जीपीएस ब. ग्लोनास क. गॅलिलिओ ड. व	रील सर्व						
२. GPS वरील प्रकल्प कोणत्या वर्षी सुरू करण्यात आला?							
अ. १९७०     ब. १९७१     क. १९७२      ड. १९	,⊌ ₹						
३. ग्लोबल पोझिशनिंग सिस्टम (GPS) द्वारे ऑपरेट केली जाते?							
अ. रशियन स्पेस फोर्स ब. चीन स्पेस फोर्स							
क. युनायटेड स्टेट्स स्पेस फोर्स इ. फ्रेंच हवाई आणि अंतराळ दल							
४. GPS वर प्राप्तकर्ता वेगवेगळ्या कडून प्राप्त झालेल्या डेटाच्या आधारे स्वत:चा वेळ आणि स्थितीची							
गणना करतो.							
अ. उपग्रह ब. रेडिओ लहरी क. अणु घड्याळे	ड. वरीलपैकी काहीही नाही						
५. अचूक वेळेची माहिती देण्यासाठी GPS च्य	या उपग्रहांवर उपस्थित आहे.						
अ. अँटेना ब. ट्रान्सपॉन्डर क. अणु घड्याळ	ड. वरील सर्व						
६. GPS च्या नक्षत्रात किमान किती उपग्रह कार्यरत आहेत?							
अ. २४ ब. २५ क. २६ ड. २७	•						
७. कोणत्या देशाने GPS सह समकालीन GLONASS विकरि	सेत केले?						
अ. चीन ब. भारत क. नेपाळ	ड. रशिया						
८. नेव्हिगेशनसाठी गॅलिलिओ प्रणाली द्वारे चालवि	ोली जाते.						
अ. चीन ब. भारत क. युरोप	ड. रशिया						
९. भारतीयांद्वारे संचालित जीपीएस आहे.							
अ. होकायंत्र ब. ग्लोनास क. गॅलिलिओ	ड. NavIC						

१०. जीपीएस	्द्वारे देऊ केलेल्या सेवा	Γ?		
अ. पोझिशनिंग, नेव्हिगेश	न आणि वेळ ब	. प्रदूषण, नेव्हिगेशन आ	णे तापमान	
क. स्थिती, नेव्हिगेशन आ	णे तापमान ड.	. स्थान, नेटवर्क आणि वेव	5	
११. पृथ्वीच्या पृष्ठभागाव	रील किती उपग्रह वाप	रले जातात जेणेकरून स्थ	ान तयार करता येईल?	
अ. तीन	ब. चार	क. पाच	ड. सहा	
१२ उपग्रह	वापरून उपकरणाची र	उंची मोजली जाऊ शकते.		
अ. पहिला	ब. दुसरा	क. तिसऱ्या	क. चौथा	
१३. GPS मध्ये विभाजन	केलेले घटक	म्हणून ओळखले जातात.		
अ. विभाग	ब. फ्रेम्स क	. विभाजने	ड. पॅकेट्स	
१४. GPS मध्ये उपस्थित	· असलेले विभाग	आहेत.		
अ. जागा	ब. ग्राउंड कंट्रोल	क. वापरकर्ता उप	करणे ड. वरील सर्व	
१५. भौगोलिक स्थान नि	श्चेती )जी.पी.एस(. तंत्र	गाचा उपयोग खालीलपैर्क	ो कोणत्या क्षेत्रात होतो ?	
अ. पदभ्रमण	ब. पर्यावरण	क. प्रवासातील म	गार्गदर्शन  ड. वरीलपैकी स	र्व.
१६. सध्या भारताची खाल	तीलपैकी कोणती ज <u>ी</u> .र्प	ोएस. यंत्रणा आहे ?		
अ. IRNSS	ब. कंपास	क. Galileo	ड. GLANSS	
१७. अभीक्षेत्रिय आधारसा	ामग्री प्रतिमान प्रामुख्य	ाने किती मूलभूत प्रकारां	मध्ये विभागले जाते.	
अ. ४	ब. ३	क. ५	ड. २	
१८. GNSS चा लॉंगफॉर्म	र्गअाहे.			
A. Global Navigation	Satellite System	B. Governme	nt Navigation Satellit	e System
C. Global Navigation	Server System D	. None of the Above	<b>;</b>	
१९. रेखापुंज आधारसामग्र	गिलाम्हणता	त.		
A. Vector Data B. Ra	ster Data C	. Spatial Data	D. None of the Abov	ve
२०. भौगोलिक स्थान निर्	श्चेती (जी.पी.एस.) तंत्र	गाचा उपयोग खालीलपैर्क	ो क्षेत्रात केला ज	ातो
अ. पदभ्रमण	ब. पर्यावरण	क. प्रवासातील म	ार्गदर्शन  ड. वरीलपैकी सर	र्व

#### श्री स्वामी विवेकानंद शिक्षण संस्था संचालित

16

एकूण गुण- ४०

### राजे रामराव महाविद्यालय, जत

### भूगोल विभाग

जीपीएसची ओळख (Introduction to GPS)

विद्यार्थ्याचे नाव: कलाल नम्ता स्जैय रोल नं. 1936 दिनांक: ०४/०१/२०२२ मो. नं. पृष्ठ 570

्र्श. GNSS प्रणाली आहेत.	
अ. जीपीएस व. ग्लोनास क. गॅलिलिओ 🎤 वरील सर्व	
े GPS वरील प्रकल्प कोणत्या वर्षी सुरू करण्यात आला?	
अ. १९७० व. १९७१ 🚁. १९७२ ड. १९७३	
अर्ग्लोबल पोझिशनिंग सिस्टम (GPS) द्वारे ऑपरेट केली जाते?	
अ. रशियन स्पेस फोर्स व. चीन स्पेस फोर्स	
्रक, युनायटेड स्टेट्स स्पेस फोर्स ड. फ्रेंच हवाई आणि अंतराळ दल	
४ GPS वर प्राप्तकर्ता वेगवेगळ्या कडून प्राप्त झालेल्या डेटाच्या आधारे स्वत:चा वेळ	
आणि स्थितीची गणना करतो.	
्र उपग्रह  ब. रेडिओ लहरी  क. अणु घड्याळे  ड. वरीलपैकी काहीही नाही	
📈. अचूक बेळेची माहिती देण्यासाठी GPS च्या उपग्रहांवर उपस्थित आहे.	
अ. अँटेना ब. ट्रान्सपॉन्डर क्र. अणु घड्याळ ड. बरील सर्व	
र्द. GPS च्या नक्षत्रात किमान किती उपग्रह कार्यरत आहेत?	
अ. २४ व. २५ क. २६ ड. २७	
५. कोणत्या देशाने GPS सह समकालीन GLONASS विकसित केले?	
अ. चीन ब. भारत क. नेपाळ र्ड. रशिया	
८, नेर्व्हिगेशनसाठी गॅलिलिओ प्रणाली द्वारे चालविली जाते.	
अ. चीन ब. भारत क. युरोप 💉 रशिया	
९. भारतीयांद्वारे संचालित जीपीएस आहे.	
्य रोक्पांच व खोवास क गॅलिलिशे <b>ह</b> NavIC	

•	्रीपीएस	द्वारे देऊ केलेल्या र	ोवा?				
	अ. पोझिशनिंग, नेवि	हगेशन आणि वेळ ब.	प्रदूषण, नेव्हिगेशन आणि	ो तापमान			
	क्र स्थिती, नेव्हिगेशन आणि तापमान इ. स्थान, नेटवर्क आणि वेळ						
1	११. पृथ्वीच्या पृष्ठभागावरील किती उपग्रह वापरले जातात जेणेकरून स्थान तयार करता येईल?						
l	्अ. तीन	ब. चार	क. पाच	ड. सहा			
उपग्रह वापरून उपकरणाची उंची मोजली जाऊ शकते.							
1	अ. पहि <mark>ला</mark>	ब. दुसरा	क. तिसऱ्या	क. चौथा			
P	ूर ३. GPS मध्ये विभ		_ म्हणून ओ <mark>ळखले जाता</mark> ल	त.			
	<b>अ</b> . विभाग	ब. फ्रेम्स	क्र. विभाजने	ड. पॅकेट्स			
1	१४. GPS मध्ये उपनि	थित असलेले विभाग					
,	अ. जागा	ब. ग्राउं <mark>ड</mark> कंट्रोल	क. <mark>वापरकर्ता उप</mark> कर	णे 😎 वरील सर्व	i.		
	१५ भौगोलिक स्थान	निश्चिती )जी.पी.एस(. त	<mark>ांत्राचा उपयोग खालीलपै</mark> व	की कोणत्या क्षेत्रात होतो ?			
	अ. पदभ्रमण			दर्शन्रड. वरीलपैकी सर्व.			
١	१६. सध्या भारताची य	बालीलपैकी कोणती जी.	पी <mark>एस. यंत्र</mark> णा आहे ?				
	3. RNSS	व. कंपास	क. Galileo	ड. GLANSS			
1	१७. अभीक्षेत्रिय आधा	रसामग्री प्रतिमान प्रामुख	याने किती मूलभूत प्रकारा	ांमध्ये विभागले जाते.			
	JK. 8	ब. ३	क. ५	ड. २			
١	्र्रेट. GNSS चा लॉगए	<mark>हॉर्म</mark> आहे.					
A. Global Navigation Satellite System B. Government Navigation Satellite System							
	C. Global Navigati	on Server System	D. None of the Al	pove	=		
0	Ҳ १९. रेखापुंज आधारसा	मग्री <mark>ला</mark> म्हणता	त.				
	A. Vector Data		C. Spatial Data	D. None of the Above			
١	्र. भौगोलिक स्थान f	नेश्चिती (जी.पी.एस.) तंः	त्राचा उपयोग खालीलपैर्क	ो क्षेत्रात केला जातो			
	अ. पदभ्रमण	व. पर्यावरण	क. प्रवासातील मार्गदः	र्शन् द्व. वरीलपैकी सर्व			

श्री स्वामी विवेकानंद शिक्षण संस्था संचालित

### राजे रामराव महाविद्यालय, जत

### भूगोल विभाग

एकूण गुण- ४०

जीपीएसची ओळख (Introduction to GPS)
विद्यार्थ्याचे नाव: स्मार्कु खेळा जिल्ला स्थितानी रोल नं. 1967 मो. नं. <u>91 5 8 50 5</u>2 53 दिनांक: ०४/०१/२०२२

١	१_GNSS प्रणाली आहेत.
1	अ. जीपीएस ब. ग्लोनास क. गॅलिलिओ 🏑 वरील सर्व
	२. GPS वरील प्रकल्प कोणत्या वर्षी सुरू करण्यात आला?
	अ. १९७० व. १९७१ 🚁. १९७२ ड. १९७३
	्र-र्ग्लोबल पोझिशनिंग सिस्टम (GPS) द्वारे ऑपरेट केली जाते?
	अ. रशियन स्पेस फोर्स <b>ब</b> . चीन स्पेस फोर्स
	्रक. युनायटेड स्टेट्स स्पेस फोर्स ड. फ्रेंच हवाई आणि अंतराळ दल
)	💢. GPS वर प्राप्तकर्ता वेगवेगळ्या कडून प्राप्त झालेल्या डेटाच्या आधारे स्वत:चा वेळ
)	आणि स्थितीची गणना करतो.
	अ. उपग्रह ब. रेडिओ लहरी क. अणु घड्याळे 🗸 ड. वरीलपैकी काहीही नाही
	्र अचूक वेळेची माहिती देण्यासाठी GPS च्या उपग्रहांवर उपस्थित आहे.
	अ. ॲंटेना व. ट्रान्सपॉन्डर क. अणु घड्याळ 🗷 वरील सर्व
1	र्ट. GPS च्या नक्षत्रात किमान किती उपग्रह कार्यरत आहेत?
1	्रअर. २४ व. २५ क. २६ ड. २७
	९. कोणत्या देशाने GPS सह समकालीन GLONASS विकसित केले?
	अ. चीन ब. भारत क. नेपाळ ्ड. रिशिया
	्र. नेव्हिगेशनसाठी गॅलिलिओ प्रणाली द्वारे चालविली जाते.
	अ. चीन ब. भारत क. युरोप ्ड. रशिया
	्र. भारतीयांद्वारे <mark>संचालित जीपीएस</mark> आहे.
	अ. होकायंत्र व. ग्लोनास क. गॅलिलिओ रू. NavIC

1	्र ६. जीपीएस द्वारे देऊ केलेल्या सेवा?		
1	अ. पोझिशनिंग, नेव्हिगेशन आणि वेळ ब. प्रदूष	भण, नेव्हिगेशन आ <mark>णि</mark> ता	पमान
	क. स्थिती, नेव्हिगेशन आणि तापमान इ. स्थान	<mark>ा</mark> , नेटवर्क आणि वेळ	
1	🤾 पृथ्वीच्या पृष्ठभागावरील किती उपग्रह वापरले	ो <mark>जातात जेणे</mark> करून स्थाः	न तयार करता येईल?
1		क. पाच	ड. सहा
t	. 🎤 रे उपग्रह वापरून उपकरणाची उंर्च	ी <mark>मोजली जाऊ शक</mark> ते.	
1	अ. पहिला ब. दुसरा	क. तिसऱ्या 🕠	र्क. चौथा
0	🦯 🍂 ३. GPS मध्ये विभाजन केलेले घटक म्ह	र्णून ओळखले जातात.	
	्अ. विभाग ब. फ्रेम्स a		ड. पॅकेट्स
1	१४. GPS मध्ये उपस्थित असलेले विभाग	आहे <mark>त.</mark>	
1.8	अ. जागा व. ग्राउंड कंट्रोल		
1	१५. भौगोलिक स्थान निश्चिती )जी.पी.एस(. तंत्राच		
	अ. पदभ्रमण ब. पर्यावरण		नर्ड. वरीलपैकी सर्व.
1	१६. सध्या भारताची खालीलपैकी कोणती जी.पीए	र्स. यं <mark>त्रणा आहे</mark> ?	
		ғ. Galileo	
	१७. अभीक्षेत्रिय आधारसामग्री प्रतिमान प्रामुख्याने		ये विभागले जाते.
	1	Б. Ч	ड. २
1	्रेट. GNSS चा लॉगफॉर्मआहे.		
	A. Global Navigation Satellite System	B. Government Nav	rigation Satellite System
		). None of the Abov	re
	१९. रेखापुंज आधारसामग्रीलाम्हणतात.		
		~	D. None of the Above
,	र्०. भौगोलिक स्थान निश्चिती (जी.पी.एस.) तंत्राचा		
	अ. पदभ्रमण व. पर्यावरण क	. प्रवासातील मार्गदर्शन	<i>डू</i> . वरीलपैकी सर्व

### Department of Geography **Certificate Course Introduction to GPS**

#### 2021-2022

#### MARKLIST

Sr. No.	Roll No.	Name	Internal Marks	External Marks	Total Marks
1.	1931	*Ballari Bharti Sunkana	9	34	33
2.	1932	*Bandage Priyanka Maruti	8	32	40
3.	1933	*Chaugule Priyanka Tukaram	0	00	00
4.	1934	*Chavan Priyanka Suresh	8	34	42
5.	1935	*Jadhav Soniya Ram	9	38	47
6.	1936	*Kalal Namrata Sanjay	8	36	44
7.	1937	*Kamble Shilpa Gangappa	8	38	46
8.	1938	*Karenawar Sneha Subhash	8	36	46
9.	1939	*Kokare Ujwala Abasaheb	9	38	47
10.	1940	*Mali Ashwini Ramchandra	8	34	42
11.	1941	*Mali Ashwini Vijay	8	36	44
12.	1942	*Mali Rupali Rajaram	9	36	45
13.	1943	*Mane Sakshi Sanjay	8	38	46
14.	1944	*Nilajagi Tejaswini Kumar	9	38	47
15.	1945	*Patole Bhagyashri Nagappa	8	36	44
16.	1946	*Pawar Shivani Vijay	9	38	47
17.	1947	*Sabale Sushama Arun	8	26	34
18.	1948	*Sargar Deepali Lakshman	9	26	35
19.	1949	*Sawant Priyanka Ramchandra	0	00	0
20.	1950	*Torane Dipali Balu	0	0	0
21.	1951	*Waghamare Ankita Rajaram	8	36	44
22.	1952	Aiwale Prathmesh Ramesh	9	36	45
23.	1953	Bhosale Anil Baban	8	34	42
24.	1954	Chougule Abhijit Satish	9	32	41
25.	1955	Dudhal Vinod Dadaso	8	34	42

26.	1956	Jadhav Digambar Shrikant	9	34	43
27.	1957	Kale Sagar Devappa	0	0	0
28.	1958	Khandekar Nagappa Shivaji	8	34	42
29.	1959	Khandekar Rupali Suresh	9	28	37
30.	1960	Kharat Abhijit Rajesh	9	34	43
31	1961	Mane Amit Sanjay	9	22	31
32.	1962	Mane Prashant Tanaji	0	0	0
33.	1963	Mane Sachin Annappa	8	34	42
34.	1964	Pathrut Abhishek Sudhakar	8	36	44
35.	1965	Pawar Avinash Ramesh	9	38	47
36.	1966	Sale Avinash Sanjay	8	38	46
37.	1967	Salunkhe Ranjit Shivaji	9	36	47
38.	1968	Tamboli Ayaj Kabir	0	0	0
39.	1969	Torane Tukaram Balu	9	34	43
40.	1970	Vagare Suryaba Ankush	8	28	46
41.	1971	Bankar Vishal Balu	9	34	43
42.	1972	Yamgar Prashant Dnyanu	0	0	0

Coordinator

Shared with Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Ballari Bharti Sunkana Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Bandage Priyanka Maruti Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Chavan Priyanka Suresh Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Jadhav Soniya Ram Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

### **CERTIFICATE**

This is to certify that Mr. / Miss. \*Kalal Namrata Sanjay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Kamble Shilpa Gangappa Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Karenawar Sneha Subhash Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Kokare Ujwala Abasaheb Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Mali Ashwini Ramchandra Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Mali Ashwini Vijay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Mali Rupali Rajaram Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Mane Sakshi Sanjay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Nilajagi Tejaswini Kumar Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Patole Bhagyashri Nagappa Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Pawar Shivani Vijay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Sabale Sushama Arun Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Sargar Deepali Lakshman Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. \*Waghamare Ankita Rajaram Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. Aiwale Prathmesh Ramesh Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. Bhosale Anil Baban Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. Chougule Abhijit Satish Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Dudhal Vinod Dadaso Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Jadhav Digambar Shrikant Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. Khandekar Nagappa Shivaji Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

(Affiliated to Shivaji University, Kolhapur)

# **CERTIFICATE**

This is to certify that Mr. / Miss. Khandekar Rupali Suresh Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Kharat Abhijit Rajesh Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Mane Amit Sanjay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Mane Sachin Annappa Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Pathrut Abhishek Sudhakar Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year-2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head Prof. (Dr.) S. S. Patil I/C Principal

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Pawar Avinash Ramesh Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Sale Avinash Sanjay Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Salunkhe Ranjit Shivaji Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Raje Ramrao Mahavidyalaya, Jath

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Torane Tukaram Balu Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Vagare Suryaba Ankush Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

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# **CERTIFICATE**

This is to certify that Mr. / Miss. Bankar Vishal Balu Class B.A. III has successfully completed the 'Certificate Course in Introduction to GPS' conducted by Department of Geography, Raje Ramrao Mahavidyalaya, Jath during the Academic Year- 2021-2022.

Date: 10th January 2022

Place: Jath

Mr. V. P. Koli Co-ordinator Mr. Y. S. Shinde Head