



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in

Email: rjcollege@rjcollege.edu.in

Tel No: +91 22 25151763

Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI || NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

10/05/2021

NOTICE

A value added course entitled " Introduction to Advanced Digital Cartography and Modern Surveying" is designed by the Department of Geography which is of 30 hours duration and those who complete would be awarded 2 credits. The course would commence from 15th May, 2021. The course would be conducted online on Zoom platform. Students must attend all sessions and complete the assignment and evaluation.

Principal
PRINCIPAL

RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA



2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai 400086, Maharashtra, INDIA.

Website: www.rjcollege.edu.in Email: rjcollege@rjcollege.edu.in Tel No: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

REPORT OF THE VALUE ADDED COURSE “ INTRODUCTION TO ADVANCED DIGITAL CARTOGRAPHY AND MODERN SURVEYING” (COURSE CODE: RJGEOC01)

Value Added Course in INTRODUCTION TO ADVANCED DIGITAL CARTOGRAPHY AND MODERN SURVEYING (Course Code - RJGEOC01) was conducted by Alumni Professor Dnyaneshvar Bombe, Head, Department of Geography, Parle College from May 15 to 31, 2021. He explained how there are many new techniques are available for surveying and how it can be applied and the opportunities which are available in this field.



PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

2008: Best College by University of Mumbai 2010: IMC RBNQ Award 'Performance Excellence' for the year 2009

2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College

2013 & 2014: 'Jagar Jaanivancha Award' by Govt. of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



AY 2020 Onwards

**Hindi Vidya Prachar Samiti's
RAMNIRANJAN JHUNJHUNWALA COLLEGE (AUTONOMOUS)**
(Also known as R. J. College of Arts, Science & Commerce as per UGC Notification)

Affiliated to UNIVERSITY OF MUMBAI II Recognized by UGC under 2f & 12B
NAAC Accredited 'A GRADE' with CGPA 3.50

Knowledge is all Ambrosia

**CERTIFICATE
COURSE IN**

**INTRODUCTION TO
ADVANCED
DIGITAL
CARTOGRAPHY
AND MODERN
SURVEYING**

A



T



S

M




C



 www.rjcollege.edu.in

 rjcollege@rjcollege.edu.in

 +91 22 25151763

 Opposite Railway Station, Ghatkopar (W),
Mumbai 400 086, Maharashtra, INDIA.



ABOUT US

Hindi Vidya Prachar Samiti was incepted on the auspicious day of Shri Krishna Janmashtami, 15th August 1938. A brain child of a visionary Late Shri Nandkishore Singh Jairamji, samiti was established with the objectives of catering to the educational needs of the Hindi speaking community. Ramniranjan Jhunjhunwala College came into existence in 1963, enabling a larger section of the society to take advantage of the facilities provided for higher education.

From 1999-2000 the College has added a number of self-financing courses like B.M.S., B.B.I., B.Sc. in Computer Science, Information Technology, Biotechnology, M.Sc. in Computer Science, Biotechnology and Information Technology as well as add on courses, which further hone the special skills of the students.

The college has been reaccredited with 'A' Grade by NAAC in 2014 with a CGPA 3.50 and received the Best College Award (2007-2008) of the University of Mumbai. The College has been bestowed with IMC "Ramkrishna Bajaj Performance Excellence Trophy", 2010.

The Principal of the college was awarded "Best Teacher" by Government of Maharashtra in 2011.

Government of Maharashtra conferred the college with "JAAGAR JAANIVANCHA" (First in Mumbai Suburban- in 2013 and Second in Mumbai Suburban- in 2014) for safety of girls.

Course Code: **RJGEOC01**

Duration: **30** hours

Credits : **02**

AIMS & OBJECTIVES

- To understand basic principles of digital cartography and modern surveying.
- To train in various cartographic techniques for preparation of maps and diagrams.
- To acquaint yourself with the skills of modern surveying tools.
- To know the technical knowhow and develop skills of digital data analysis.
- To apply the knowledge and skills of digital cartography in preparing maps.
- To apply digital cartographic skills in understanding of the environment and conservation.





COURSE CONTENT

- Unit I
 - Introduction to cartography
 - Cartography: concept and applications
 - Maps: Concept, components and types
 - Preparation and reading of maps
 - Digital cartography

Modern surveying - I

- Unit II
 - Remote Sensing Technology
 - Aerial Photography
 - Visual interpretation: aerial photographs and satellite images
 - Digital data analysis – vegetation mapping

Modern surveying - II

- Unit III
 - GPS Survey
 - Drone surveying
 - Use of mobile apps for surveying

Computer aided cartography

- Unit IV
 - Use of computer in data analysis and representation
 - Geographical Information System (GIS)
 - Preparation and composition of maps in softwares
 - Web GIS – Google Earth and Open Street Map

English

MEDIUM OF INSTRUCTION

EVALUATION

Continuous (Group discussions & Quizzes)



100 MARKS



PASSING 40

WHO SHOULD DO

Undergraduate students

IT?



Hindi Vidya Prachar Samiti's

RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

Opposite Ghatkopar Railway Station, Ghatkopar (W), Mumbai 400 086.

Certificate of Completion

This is to certify that

Shaikh Nisha

of Class SYBA Roll No. 413

has successfully completed the **Value-Added Course in Introduction To Advanced Digital Cartography and Modern Surveying**

organized by Department of **GEOGRAPHY** and conducted from **15 May, 2021 to 31 May, 2021.**

**COURSE CODE
RJGEOC01**

Issue Date: 13 July, 2021



Dr. Himanshu Dawda
In-charge Principal

CERTIFICATE ID: RJC-VAC-202021-00355

**STUDENT COMPLETED Certificate Course in Digital
Cartography and Modern Surveying YEAR 20-21**

SR NO	NAME	ROLL NO	CLASS	DIV
1	ACHARYABHAVAN	18	SYBA	A
2	CHAUDHARY SANJU	4	SYBA	A
3	KHAN TAHERA	408	SYBA	A
4	KHAN AKHTER JAHAN	412	SYBA	A
5	KHAN HUSAIN	410	SYBA	A
6	SHAIKH NISHA	413	SYBA	A



[Signature]
I/c PRINCIPAL
RAMNIRANJAN JHUNJHUNWALA COLLEGE
OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)
Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA