Rayat Shikshan Sanstha's

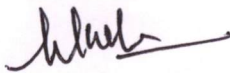**Karmaveer Bhaurao Patil College, Vashi Navi Mumbai**

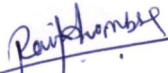**(Autonomous)**

Name of the programme: Masters In Geoinformatics
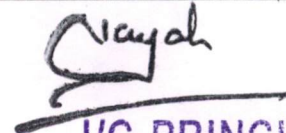
PROGRAMME OUTCOME

PO-1	An ability to independently carry out investigation and development work to solve real life geospatial problems.
PO-2	An ability to write and present a substantial technical report/document/international level research articles
PO-3	Students should be able to demonstrate a degree of mastery over the areas of Geoinformatics.
PO-4	An ability to share theoretical and practical knowledge in both teaching and research as well as in industries.
PO-5	An ability to apply professional ethics, accountability and equity.

I/C PRINCIPAL
KARMAVEER BHAURAO PA
VASHI, NAVI MUMBAI 400

Programme coordinator   **Chairman (BOS)**   **Principal**
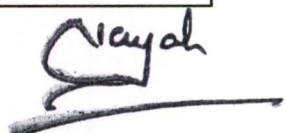
PROGRAMME SPECIFIC OUTCOMES

Post graduates will be able to

PSO-1	To prepare the students in identifying, analysing and solving geospatial problems.
PSO-2	To train the students in developing practical and executable solutions to the challenges of growing field of Remote Sensing and GIS.
PSO-3	To impart the students with strong base of knowledge that makes them suitable both for industries as well as for teaching and research.
PSO-4	To inculcate the students with the sensitivity towards ethics, public policies and their responsibilities towards the society.

I/C PRINCIPAL
KARMAVEER BHAURAO PATIL COLLEGE
VASHI, NAVI MUMBAI 400 703.

Programme coordinator

Chairman (BOS)

Principal

Course Outcomes

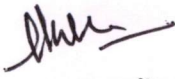| Title of the specific programme-MSC IN GEOINFORMATICS		
After completion of course learners will be able to		
Course code	**Title course**	**Course outcomes**
PGGINF101	INTRODUCTION TO FUNDAMENTALS OF GEOGRAPHY (Core Course)	CO-1. Understand various disciplines in Geography. [2] CO-2. Understand the process of landscape development. [2] CO-3. Understand the process involved in climatic variation.[2] CO-4. Understand the man-environment inter-relationship[2]. CO-5. Understand the population demographics and urbanization[2]
PGGINF102	FUNDAMENTALS OF REMOTE SENSING (Core Course)	CO-1. Understand the process of Remote Sensing. [2] CO-2. Understand the characteristics of EMR. [2] CO-3. Know the characteristics of Sensors and Platforms.[1] CO-4. Understand the elements of interpretation of various satellite products.[2] CO-5. Differentiate the various features from satellite image.[3]
PGGINF103	FUNDAMENTALS OF GEOGRAPHIC INFORMATION SYSTEM (Core Course)	CO-1Comprehend knowledge about the concepts in GIS. [3] CO-2. Articulate the various types of GIS data.[2] CO-3. Understand the structure of GIS database[2] CO-4. Perform spatial analysis[6]
PGGINF104A	PRACTICAL IN REMOTE SENSING Discipline Specific Elective (DSE)	CO-1. Use the Image Processing Softwares . [6] CO-2. Identify and interprete the various satellite data products. [3] CO-3. Perform the digital processing of the satellite data [6] CO-4. Differentiate between various Natural and Man-made features[3]
PGGINF104B	FUNDAMENTALS OF COMPUTERS Discipline Specific Elective (DSE)	CO-1 Updated with the basic concepts of Computers. [2] CO-2. Understand the Structure & types of Computer.[2] CO-3. Get aquainted with the hardware and software component of the computers [2]

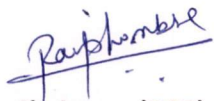|		
PGGEO105	PRACTICAL IN GEOGRAPHICAL INFORMATION SYSTEM Skill Enhanced Course (SEC)	CO-1 Use Arc GIS software efficiently. [6] CO-2. Understand the concepts and projection and datum for map generation. [2] CO-3. Generate basic database with Arc GIS software.[6] CO-4. Perform Querry analysis[6]

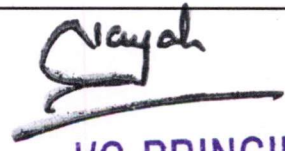|		
PGGINF201	AERIAL PHOTOGRAPHY AND PHOTOGRAMMET RY Discipline Specific Elective (DSE)	CO-1 Understand the basic concepts in Aerial Photography and Photogrammetry. [2] CO-2. Know the errors occurred during capturing remotely sensed data. [2] CO-3. Perform the measurements using the satellite data and Aerial Photographs. [6] CO-4. Learn the real-time ground verification of the various features through the satellite[1]
PGGINF202	CARTOGRAPHY AND DATA REPRESENTATI ON Core Course (CC)	CO-1. Understand the basic elements of Maps. [2] CO-2. Interpret the SOI Toposheet and various thematic maps. [3] CO-3. Represent the Statistical Data. [2] CO-4. Know the recent development in Visualization the map.[1]
PGGINF203	INTRODUCTION TO STATISTICS Core Course (CC)	CO-1 Understand the organisation of data to represent the Statistical Data.[2] CO-2. Perform the Correlation and Regression analysis. [6] CO-3. Understand the fundamentals of Network Analysis. [2] CO-4. Apply the knowledge of statistical techniques in GIS analysis[6]
PGGINF204A	DATABASE MANAGEMENT SYSTEMS: CONCEPTS AND METHODS Discipline Specific Elective (DSE)	CO-1 Understand the structure and importance of Database Management Systems. [2] CO-2 Manage the Database as per different formats. [4] CO-3 Apply the knowledge of logical operators in querry building. [4] CO-4 Understand the fundamentals of SQL.[2]
PGGINF204B	OPEN SOURCE GIS CORE COURSE (CC)	CO-1 Understand the various Open source GIS softwares and databases. [1] CO-2. Generate the Database in raster and vector formats.[6] CO-3. Understand the international standards of Open Geospatial Consortium. [2] CO-4. Know the various web GIS portals.[3]

PGGINF205	INTRODUCTION TO PROGRAMMING LANGUAGE Skill Enhanced Course (SEC)	CO-1 Understand the various Programming language. [2] CO-2 Utilise the OOP in handling files. [3] CO-3 Differenciate between OOP and POP. [2] CO-4 Understand the basic concepts of Python.[2]

I/C PRINCIPAL
KARMAVEER BHAURAO PATIL COLLEGE
VASHI, NAVI MUMBAI 400 703.

Programme coordinator

Chairman (BOS)

Principal