



## UNIVERSITY OF SRI JAYEWARDENEPURA

The University of Sri Jayewardenepura (USJ) is one of the most prestigious centers of academic and research excellence in Sri Lanka. It has housed over 12,000 students and supposed to be the largest university in Sri Lanka in terms of student population. The USJ is committed to pursuit and dissemination of knowledge through teaching, scholarship and research and active service to the community in an environment which values creativity, freedom of intellectual thought and expression, equal opportunity, fairness and professional growth.



Department of Geography,  
**University of Sri Jayewardenepura**

### APPLICATIONS .....

Applications and more details can be obtained from [www.sjp.ac.lk](http://www.sjp.ac.lk) or by sending an email / by calling the Coordinator or Co-coordinator.

### INQUIRES .....

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# DIPLOMA IN **GIS &** REMOTE SENSING 2022 / 2023



DEPARTMENT OF GEOGRAPHY  
FACULTY OF HUMANITIES & SOCIAL SCIENCES  
UNIVERSITY OF SRI JAYEWARDENEPURA  
Gangodawila, Sri Lanka  
[www.sjp.ac.lk](http://www.sjp.ac.lk)

## INTRODUCTION

The Department of Geography at the University of Sri Jayewardenepura presents its Diploma in Geographic Information Systems (GIS) and Remote Sensing (RS) with a view to capacity building of non-graduate employees and the A/L qualified students who wish to obtain professional qualifications in the fields of Geoinformatics.

This is an innovative and multidisciplinary diploma course which delivered by highly qualified and experienced academicist. The curriculum has been developed with the assistance of local and international panel of experts on GIS and Remote Sensing in par with similar world class programmes available anywhere in the world.

Thousands of non graduate employees in the various fields in both public and private sector agencies such as Health, Marketing, Engineering, Local Government, Transportation, Water Resources, Real Estate, Energy, Disaster Management Forestry, Surveying, Conservation, Defense & Intelligence, Facilities Management, Policy Planning, Pollution Control, Agriculture, Meteorology etc. are working in environments, where GIS technology is widely used. Moreover, recent statistics reveals that only less than 20% of the students who pass the G.C.E. (A.L) Examination are admitted to the national University system annually. A large majority of them are deprived of higher education opportunities. Hence, learning a career path in the fields of GIS, Remote Sensing, GPS and the related technologies for the benefit of non-graduate employees as well as to the A/L qualified students will be of a great opening for them to acquire professional qualifications in the Geoinformatics field.

The Department of Geography of the University of Sri Jayewardenepura – Sri Lanka has taken a conscious



Initiation to fill the above lacuna by learning a One Year Diploma Programme in GIS & Remote Sensing for the benefit of non-graduate employees and the A/L qualified students. This will be an excellent opportunity for the employees to gain professional qualifications and career development path, while enabling the students to increase their employability in the fields of GIS & RS.

**FOR WHOM** .....  
Non-graduate employees and students who wish to obtain professional qualifications in the field of Geographic Information Systems and Remote Sensing.

**COURSE UNITS** .....

**SEMESTER I**

- GISD 1110 Geographic Information Systems (GIS)
- GISD 1120 Fundamentals of Remote Sensing
- GISD 1130 GPS and Equivalent Technologies
- GISD 1140 Database Management Systems
- GISD 1150 Cartography for GIS
- GISD 1160 Research Methodology & Project Management
- GISD 1999 Independent Research Project on GIS Applications

**SEMESTER II**

- GISD 1210 Advanced Technologies in GIS
- GISD 1220 Applications of GIS and Remote Sensing
- GISD 1230 Web GIS
- GISD 1240 Geo Statistics
- GISD 1999 Independent Research Project on GIS Applications

## DURATION .....

One Academic year (02 Semesters)

Lectures and practical will be conducted

Sunday 8.00am- 5.00pm

## COURSE FEE .....

Sri Lanka Rs. 75,000

## ELIGIBILITY.....

Pass the GCE Advanced Level Examination in three (03) Subjects **OR**

Professional or any other equivalent qualifications accepted by the institute **AND**

Sufficient knowledge in both Spoken and Written English.

