

Dr. C. V. Raman University

Kargi Road, Kota Bilaspur, Chhattisgarh

Department of Social Science (Geography) and Centre for GIS & Remote Sensing

In Collaboration with

Integrated Institute for Advanced Research and Information (IIRI)

(MSME, Govt. of India and ISO 9001:2015 Certified Premier Research & Skilled Course
Providing Institute)

Organizes

3 Months Integrated Online Certificate Course in Statistical Data Analysis & it's Application (Basic to Advance Implementation)

Starting Date: - 09/04/2022 & Completion Date: - 09/07/2022

Course Completion Report

Course Objective/ Scope of the Course:-

Today is the ERA of data & without processed data we can't move a single step. On the other hand for the students it's necessary to learn the research background in the realm of Data Analysis. So we design this Course to fill this gap & create a bridge between these sectors. This workshop will appeal to those who require an understanding of research Approaches and skills, and importantly an ability to deploy them in their studies or professional lives using Statistical technology also will be very helpful to those who are pursuing Under-graduate and Post-graduate or in any Research area as this will be a main tool in near future for social wellbeing & Research. This course will help the students as we will focus on their upcoming Professional & Academic Career.

Course Structure:-

The Integrated 3 Months Certificate Course in "STATISTICAL DATA ANALYSIS & ITS APPLICATION" will be an online course to fulfil our Scope and deliver the learning outcomes. In this course we will cover both the Theoretical & Practical Aspect of the Subject. In these sessions we will also include the Doubt Clearing Sessions to help the students. At the end of the Course a 50 Marks MCQ Test will be conducted by the Authority and upon that the completion Certificate will be awarded.

Course Duration:-

The duration of the course is of three months and was conducted from 09 April 2022 to 09 June 2022.

Course Timings: - Saturday: 06:30 P.M to 08:30 P.M. & Sunday: 06:30 P.M to 08:30 P.M.

Zoom Meeting Link:-

To join virtually use the below link:

- <https://us02web.zoom.us/j/89635464361?pwd=YOJCMEFTMmFIZZBNbVILMS9ZU0ZOUT09>
- Meeting ID: 89635464361
- Pass code: 594898

Course Participants: - Total No. of Participants: **37**

Learning Outcomes:-

At the end of the course, participants are able to acquire-

- Demonstrate the research and analyses process including research method, techniques and evaluation.
- To understand how they can use the Quantitative Techniques in their Research and studies.
- To pursue the technical education and built a Sustainable Career.

Course Content:-

The course will cover-

- Getting started with R.
- Basic Syntax.
- Environment Setup.
- R Data Types.
- Reading and writing in SPSS.
- Descriptive Statistics using SPSS.
- Introduction to SPSS plots.
- Introduction to R graphics.
- Theory of Correlation & Regression.
- R-Linear Regression.
- Normality & Outlier treatment.

- R-Multiple Regression.
- Residual Analysis in R & SPSS.
- Logistic Regression using SPSS.
- Advanced Data management.
- Advanced Graphics using R.
- Probability distributions using R Hypothesis.
- Modelling techniques PCA.
- Clustering techniques.

Course Software: - SPSS, R Software, EXCEL


Course Experts:-

- Dr. Debasri Dey, Professor University of Calcutta, West Bengal
- Mr. Pratyay Ranjan Dutta, Statistical Expert Integrated Institute For Advanced Research and Information (HARI) Kolkata, West Bengal


Course Coordinators:-

- Dr. Kajal Moitra, Professor & Head (Department of Social Science) Centre Head (Centre for GIS & Remote Sensing) Dr. C.V. Raman University Bilaspur (C.G.)
- Mr. Rahul Chakraborty, Director Integrated Institute For Advanced Research and Information (IIARI) Kolkata, West Bengal



Director
Integrated Institute for Advanced
Research and Information


Head
Department of Social Science
Dr. C.V. Raman University
Kargi Road Kota, Bilaspur (C.G.)

Course Brochure & Description:-



DR. C.V.RAMAN UNIVERSITY
KARGI ROAD, KOTA BILASPUR (C.G.)
Department of Social Science (Geography)
Centre for GIS & Remote Sensing
IN COLLABORATION WITH



INTEGRATED INSTITUTE FOR ADVANCED RESEARCH AND INFORMATION
(IIARI) KOLKATA WEST BENGAL

Cordially Invites you for inaugural session of

3 Months Integrated Online Certificate Course in

STATISTICAL DATA ANALYSIS
& ITS APPLICATION

(BASIC TO ADVANCE IMPLEMENTATION)

Inauguration by

Shri Gaurav Shukla

Registrar
Dr. C.V. Raman University Bilaspur (C.G.)

Course Experts

Dr. Debasri Dey

Professor
University of Calcutta, West Bengal

Mr. Pratyay Ranjan Dutta

Statistical Expert
Integrated Institute For
Advanced Research and Information
(IIARI) Kolkata, West Bengal

Course Co-ordinators

Dr. Kajal Moitra

Professor & Head (Department of Social Science)
Centre Head (Centre for GIS & Remote Sensing)
Dr. C.V. Raman University Bilaspur (C.G.)

Mr. Rahul Chakraborty

Director
Integrated Institute For
Advanced Research and Information
(IIARI) Kolkata, West Bengal

Date : 09.04.2022 ■ Time : 6:30 PM

To join virtually use the below link:

<https://us02web.zoom.us/j/89635464361?pwd=Y0JCMEFTMmFIZzBNbVILMS9ZZ0Z0UT09>

Meeting ID: 89635464361 Passcode: 594898



DR. C. V. RAMAN UNIVERSITY
KARGI ROAD, KOTA BILASPUR, CG
Department of Social Science (Geography)
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(IIARI)

(MSME, Govt. of India and ISO 9001: 2015 Certified Premier Research & Skilled Course Providing Institute)

Organizes

3 Months Integrated Online Certificate Course
in

Statistical Data Analysis **&** **Its Application**

(BASIC TO ADVANCE IMPLEMENTATION)

STARTING DATE : 09/04/2022

COURSE TIMINGS (IST):

SATURDAY: 6.30 P.M. – 8.30 P.M.

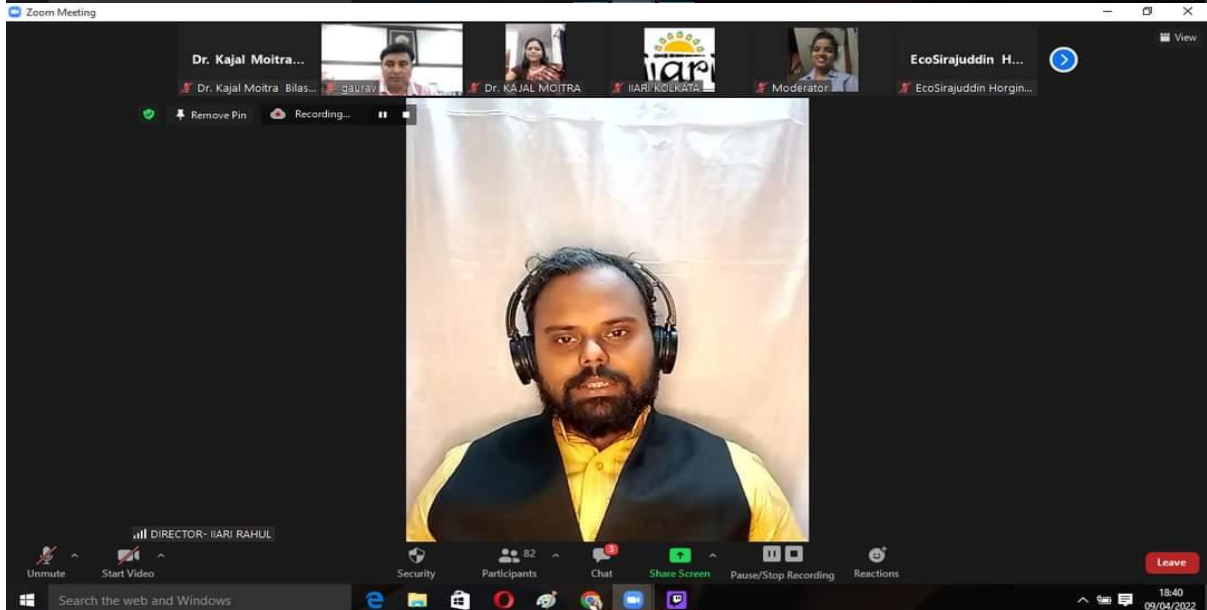
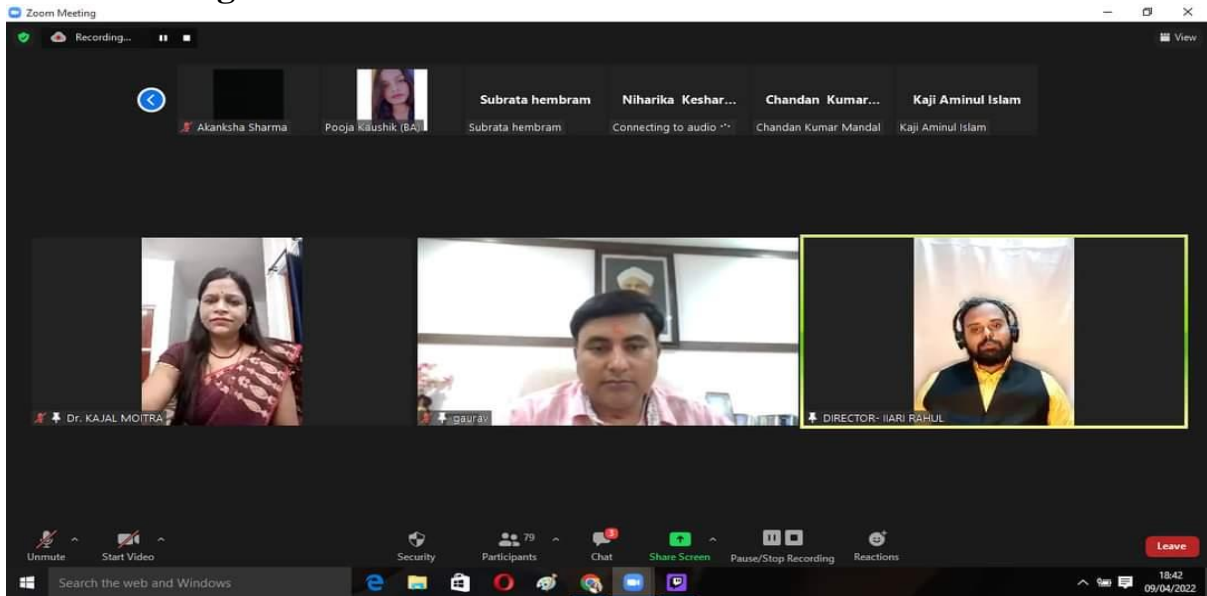
SUNDAY: 6.30 P.M. – 8.30 P.M.

COURSE FEES : 4000/- INR

REGISTRATION LINK:

<https://forms.gle/6s5pEJ2kUJYuPTUu8>

Zoom Meeting Photos :-



Zoom Meeting

Recording

Search the web and Windows

18:51 09/04/2022

Zoom Meeting

Trisha pakhira Dr. Sudesh Kum... Tomesh jaiswal Upendra kumar PRITAM PATRA Lalita patre

Trisha pakhira Dr. Sudesh Kumari Tomesh jaiswal Upendra kumar PRITAM PATRA Connecting to audio...

Remove Pin Recording...

Dr. KAJAL MOITRA

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Reactions

Search the web and Windows

You are viewing Pratyay Datta's screen. View Options

18:46 09/04/2022

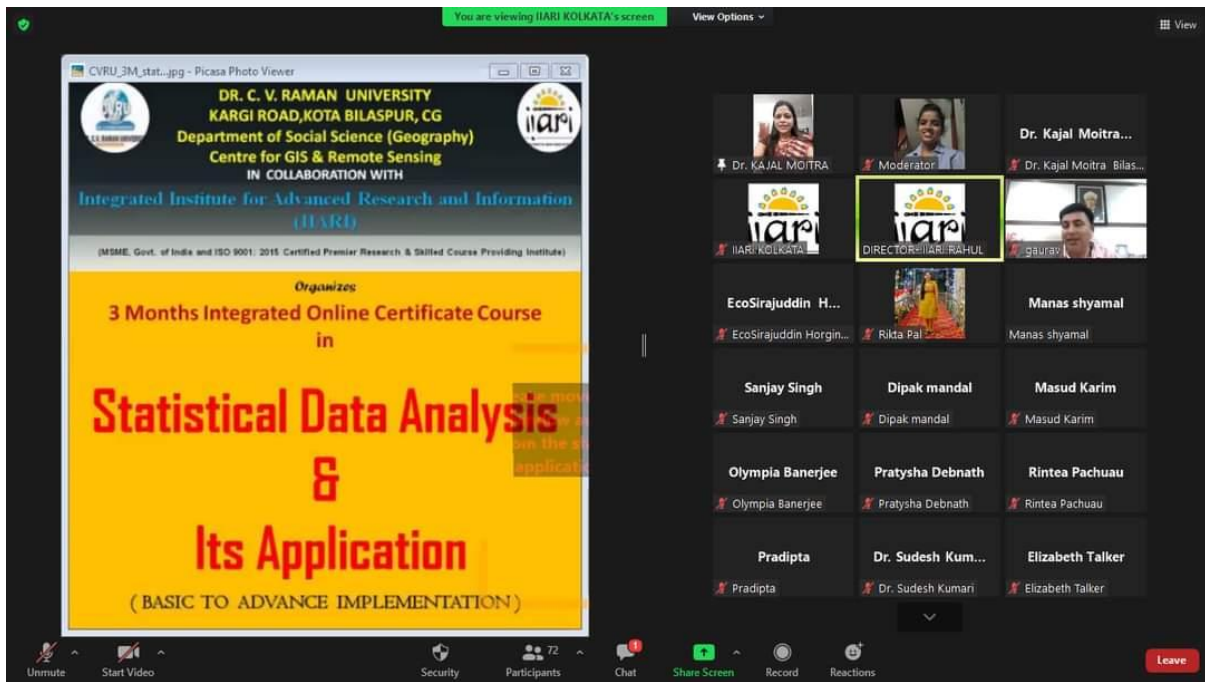
Notations (Population vs Sample)

The goal of quantitative research is to understand characteristics of populations by finding (estimating/ validating) parameters.

In practice, it's often too difficult, time-consuming or unfeasible to collect data from every member of a population. Instead, data is collected from samples.

Unmute Start Video Participants 81 Chat Share Screen Record Reactions

18:46 09/04/2022



Sample Certificate Copy:-



Rahul Chakraborty
Director
Integrated Institute for Advanced
Research and Information

Kajal
Head
Department of Social Science
Dr. C.V. Raman University
Kargi Road Kota, Bilaspur (C.G.)

सेंटर फॉर जीआईएस एंड रिमोट सेंसिंग में तिमाही ऑन लाइन कोर्स



पत्रिका न्यूज़ नेटवर्क

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बिलासपुर. डॉ.सी.वी.रामन् विश्वविद्यालय में स्थापित सेंटर फॉर जीआईएस एंड रिमोट सेंसिंग सेंटर, भूगोल विभाग एवं इंटीग्रेटेड इंस्टीट्यूट फॉर एडवांस रिसर्च एंड इंपोरमेंशन के द्वारा तिमाही ऑनलाइन सर्टिफिकेट कोर्स संचालित किया गया। 3 माह का ऑनलाइन सर्टिफिकेट कोर्स एप्लाइड जीआईएस एंड रिमोट सेंसिंग एंड इट्स एप्लीकेशन है। ऑनलाइन कोर्स में देश के विद्वान भारतीय वन सर्वेक्षण विभाग के प्रो.तनय दास, विज्ञान एवं तकनीकी विभाग पश्चिम बंगाल के प्रो. सौरभ कुनडु, सार्वजनिक स्वास्थ्य एवं अभियांत्रिकी विभाग बंगाल, द्वारा विद्यार्थियों के

तकनीकी जानकारी दी। इस ऑनलाइन कोर्स में देश के सभी राज्यों के विद्यार्थियों ने हिस्सा लिया। वर्तमान में सेंटर द्वारा 3 माह का स्टैटिकल टाडा एनालिसिस एंड इट्स एप्लीकेशन का प्रारंभ अप्रैल माह चल रहा है। जिसमें देश के विख्यात विशेषज्ञों द्वारा ऑनलाइन जानकारी प्रदान की जा रही है। सेंटर फॉर जीआईएस एंड रिमोट सेंसिंग सेंटर प्रमुख डॉ. काजल मोईत्रा ने बताया इस कोर्स को करने के बाद विद्यार्थियों के जीआईएस और रिमोट सेंसिंग के क्षेत्र में रोजगार प्राप्त करने के अवसर बढ़ जाते हैं। विवि के कुलसचिव गौरव शुक्ला ने बताया कि ऐसे ऑनलाइन कोर्स के माध्यम से शोध छात्र नवीन संख्यकीय विधियों को सीख सकेंगे जो शोध की दिशा में उपयोगी सिद्ध होगा।