

## **Ten Days National Workshop in “Application of ‘R’ in Research & Development” Date: 14<sup>th</sup> September to 23<sup>rd</sup> September, 2019.**

A.K.Dasgupta Centre for Planning and Development, Visva-Bharati, is organizing Ten days' National Workshop in “Application of ‘R’ in Research & Development” from 14<sup>th</sup> September to 23<sup>rd</sup> September, 2019.

The Centre invites applications from research scholars and young faculty members from colleges, universities, who wish to deepen their understanding and enhance their skills in research work.

Applicants have to mail their soft copies of application mentioning their present status on or before 30<sup>th</sup> August, 2019. Applicants should mention their contact address, telephone number, email address and institutional affiliation. No-objection from Institution/Department Head is needed. Application must reach [vbplanning46@gmail.com](mailto:vbplanning46@gmail.com) within due date. Registration fee: Rs.3700/-. **The registration fee would cover registration kit, working lunch and tea for all workshop days. There will be no TA for attending the workshop. Participants have to arrange their own accommodation.**

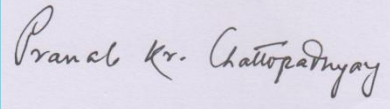
Registration Fees are to be paid online. Details of payment will be provided after selection. Participants will have to bring their own laptops. The participation in the programme will be on first come first serve basis.

## Important Dates:

Last date for receiving application: 30<sup>th</sup> August, 2019.

Email for Correspondence:

vbplanning46@gmail.com



**Prof. Pranab Kumar Chattopadhyay**

**Professor A.K.Dasgupta Chair in Planning and Development**

**Visva-Bharati, Santiniketan, 731235**

**e-mail: pranabk.chattopadhyay@visva-bharati.ac.in**

**For Assistance : Call to Sri Daya Shankar Kushwaha, Ph- 09474644413 /**

**09475983934/ daya1974@rediffmail.com**

**Visit website for information: [www.akdcentrevisvabharati.org](http://www.akdcentrevisvabharati.org)**

## Course Overview

**Module 1: 'R' Programming Language, Introduction & Basics**

**Module 2: R Data Type, Arithmetic & Logical Operators, Create, Print, add column**

**Module 3: Factor in R: Categorical & Continuous Variables**

**Module 4: R Date Frame: Create, Append, Select, Subset**

**Module 5; R Sort a Data Frame using Order**

**Module 6: Data Manipulation [Join] & Cleaning [Spread]**

**Module 7: Merge Data Frames in R: Full and Partial Match**

**Module 8, 9, 10: Functions in R Programming, Correlation in R-Pearson & Spearman with Matrix, Multiple Regression , Factor Analysis, R Aggregate Function etc. Scatter Plot in R using ggplot2, Bar Chart & Histogram in R, R ANOVA-One way & Two way, Generalized Linear Model,**