This workshop with two modules will cover the theoretical background of Bayesian statistics with hands-on examples of parametric inference using the popular software R & WinBUGS.

**OVERVIEW**

Module 1: Overview of Bayesian statistics

Students, Research Scholars, health professionals & data analyst in the area of Health research with basic knowledge of statistics

20 July

Module 2: Advanced Bayesian statistics with hands on Examples using Bayesian Softwares

Successful completion of module 1 with basic knowledge of R programming, statistics & probability

21-22 July

**TARGET AUDIENCE**

Students, Research Scholars, health professionals & data analyst in the area of Health research with basic knowledge of statistics

Successful completion of module 1 with basic knowledge of R programming, statistics & probability

**REGISTRATION**

Pay course fee through NEFT

Complete the registration by filling the google form

9538147676
9605362895

biostatws@stjohns.in

Office: 080-4946-7036

Scan here for Google form

Partially funded by

St. John's Research Institute in collaboration with Kannur University

BAYESIAN CONCEPT OF HEALTH DATA ANALYSIS

JULY 20-JULY 22, 2023

From 9.30 am -4.30 pm, at St John’s Research Institute
### SYLLABUS

<table>
<thead>
<tr>
<th>Days (Modules)</th>
<th>Topics to be covered</th>
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<tbody>
<tr>
<td>20 July (Module 1)</td>
<td>Basics concepts in probability, An overview of Bayesian statistics with important differences from the classical paradigm, Demonstration of Bayesian models, Bayesian Models: A medical Scientist’s Perspective, Reading Bayesian Papers and understanding terminologies, Bayesian computing software</td>
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<tr>
<td>21 July (Module 2)</td>
<td>Probability model used in medical research, Bayesian computation and Diagnostics, Introduction to WinBUGS and R interface to WinBUGS,</td>
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<tr>
<td>22 July (Module 2)</td>
<td>Bayesian regression, Hands on using R2winBUGS</td>
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### ACCOUNT DETAILS

**BENEFICIARY NAME:**
ST. JOHN'S RESEARCH INSTITUTE

**BANK NAME:**
BANK OF BARODA

**BENEFICIARY'S BANK A/C #:**
05210100024920

**BRANCH:**
JOHN NAGAR

**IFSC CODE:**
BARB0STJOHN (5TH DIGIT ZERO)

### FEE DETAILS

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<th>Students</th>
<th>Research Scholars</th>
<th>Professionals</th>
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<tr>
<td>Module 1</td>
<td>590</td>
<td>1180</td>
<td>2360</td>
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<td>Module 1 &amp; 2</td>
<td>3540</td>
<td>5900</td>
<td>9440</td>
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*Course Fee including 18% GST

### INSTRUCTORS

- **Dr. Sebastian George**
  HOD & Associate Professor, Kannur University
- **Mr. Jeswin Baby**
  Research Officer, Caritas Hospital
- **Dr. Arjun M. C., MD**
  Research Fellow, St Johns Research Institute
- **Ms. Aswathi Saji**
  Statistician, St Johns Research Institute

### CO-ORDINATORS

- **Dr. Tinku Thomas**
  HOD & Professor
  Dept. of Biostatistics,
  St.John's Medical College

- **Dr. Joby K Jose**
  Registrar & Professor
  Dept. of Statistical Science
  Kannur University