



KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956)

Accredited '**A**' Grade by NAAC (2nd Cycle)

Placed in **Category 'A'** by MHRD (GoI)

Department of Epidemiology & Biostatistics

Intensive Course in Epidemiology & Biostatistics

Preamble & Objectives

Intensive Course in Epidemiology & Biostatistics has been designed to make health Practice and Research of International Quality.

The intensive course covers maximum syllabi of Biostatistics and Research Methodology of almost all the professional courses of the constituent colleges of KAHER.

The course will create specialization in designing the research projects/studies, monitor, manage, analyze and interpret the research findings.

Course will help Medical/ Allied courses' students aspiring for higher education, to clear competitive examinations.

Course Duration

The course is 5 days a week (Monday to Friday) 2 to 5pm, from 13th August to 12th September 2019, theory classes will be followed by practical assignments.

Interested participants can complete their practical assignments and research from 10am to 1pm during the course in the department of Epidemiology and Biostatistics.

Eligibility

- Faculty, Scholars, UG & PG students from **Health, Medicine and Allied disciplines** interested in research, or preparing for competitive examination will be eligible.
- Maximum intake is 30 on First Come First Served basis.

Scheme of Examination

- On the last day of the course examination comprising one Theory and one Practical of three hours duration each will be arranged.
- Participants will be assessed on third and fifth Monday as feedback, and the marks obtained will be treated as internal assessment.

The Certificates will be with grades:

Grade	Marks in Assessments
A	$\geq 75\%$ marks
B	60% but less than 75%
C	50% but less than 60%

Participants with <50% marks will have to appear for examination with the subsequent batch, to become eligible for Certificate.

Fee for the course

Fee for the entire course, including course material will be Rs. 6,500/-.

NOTE: For Payment use 'BIostatISTICS WORKSHOP' A/c No. 05042010129730, IFSC Code- SYNB0000504, Syndicate Bank, JNMC Campus, Nehru Nagar Branch, Belagavi (Belgaum), Karnataka or by Demand Draft.

Contact Address

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**Weekly schedule of Intensive course in Epidemiology & Biostatistics
from 13th August to 12th September 2019**

Topic	Contents
Basic Statistical Methods (18L+12P)	<ul style="list-style-type: none"> ✓ Application & Uses in Medical Research ✓ Methods of Presentation, Measures of Central Tendency ✓ Measures of Dispersion, ✓ Concepts of Probability Theory ✓ Theoretical Distributions ✓ Correlation and Regression for Qualitative and Quantitative ✓ Vital Statistics
Inferential Statistics (16L+14P)	<ul style="list-style-type: none"> ✓ Sampling Techniques, Study Designs ✓ Concepts & Methods for calculating Sample Size ✓ Parametric & Non Parametric Tests ✓ Assessment of Diagnostic Tests
Introduction about Thesis Structure & Topic (5L+10P)	<ul style="list-style-type: none"> ✓ Thesis Structure/ Critical Review for Consistency ✓ Review for topic leading to title ✓ Topic-Title (Review for need and sample size) ✓ Research Title-Consistency with Objectives ✓ Standard Operating Procedures (SOP) & ✓ Expected Outcome/s and Statistical Analysis ✓ Writing Research Article/Dissertation/Thesis
Preparation of Data and Analysis Using EXCEL & SPSS (8L+7P)	<ul style="list-style-type: none"> ✓ EXCEL & SPSS – Managing Data Files & Analysis ✓ Cleaning and Editing of Data

Note: **Laptop** is mandatory for the Participants.

Chief Patron

Dr. Prabhakar Kore, MP, Chancellor, KAHER, Belagavi

Prof. (Dr.) Vivek A Saoji, Vice-Chancellor, KAHER, Belagavi

Patron

Dr. V.D. Patil, Registrar, KAHER, Belagavi

Department of Epidemiology and Biostatistics

The Department of Epidemiology and Biostatistics, KAHER, Belagavi is aimed to help in meeting the mandatory need of teaching and research of applied statistics in various Graduate, Post Graduate, Post P.G. and Ph.D. Courses offered by J. N. Medical College, Belagavi, V.K. Institute of Dental Science, Belagavi, College of Pharmacy, Bangalore, College of Pharmacy, Belagavi, College of Pharmacy, Hubli, Institute of Physiotherapy, Belagavi, Institute of Nursing, Belagavi, and Shri BMK Ayurveda Mahavidyalaya of Belagavi.

Courses offered in Biostatistics from academic year 2014

- ✓ ***B. Sc. Biostatistics & Population Sciences (3 Years) – 12th Standard (Pre-University) with Statistics or Mathematics, Biology along with Mathematics are also eligible.***
- ✓ ***M.Sc. in Biostatistics (2 Years) – Three years graduate degree with statistics or mathematics,***
- ✓ ***M.Sc. in Epidemiology (2 Years) – Three years graduate degree with Statistics or Mathematics, Health, Medical and Allied Subjects.***
- ✓ ***M. Sc. in Population Studies (2 Years) - Three years graduate degree in any subject with Statistics/ Mathematics or graduates in Health Science subjects including Nursing and Pharmacy.***
- ✓ ***Ph.D. in Biostatistics – Candidates with Post Graduation in Statistics or Mathematics from a recognised University.***

Other Courses

- ✓ ***Certificate Course in Biostatistics (Regular 6 months/Distance 1 year) – designed to meet the research need of Research Scholars and faculty.***
- ✓ ***P.G. Diploma in Biostatistics (Regular 1 year /Distance 2 years) – Medical and Allied subject graduates interested to pursue research career, with at list one paper in Statistics at Graduation level or Certificate in Biostatistics from any University.***
- ✓ ***Intensive Course in Biostatistics & Research Methodology (Regular 3 Weeks / Part Time 5 Weeks) – This is a skill enhancement course, and can be attended by any graduate desirous to develop research aptitude.***