



**Sri Shankara Cancer Hospital  
and Research Centre,  
Bengaluru**

**Bagchi Sri Shankara Cancer  
Centre and Research Institute,  
Bhubaneswar**

**IV Research Methodology, Epidemiology and  
Bio-statistics Course (2025) for DNB, DrNB,  
Fellowship Scholars, PhD Scholars and Faculty**

**04th October 2025 to 31st January 2026  
( NUMBER OF HOURS - 60, NO OF CREDITS - 4 )**

It is being planned to conduct three month course on Research Methodology, Basic Bio-statistics with Basic Epidemiology with focus on oncology research for DNB/DrNB Scholars, Fellowship Scholars, PhD Scholars and Faculty with the following objectives:

1. Strengthen skills in bio-statistics and research methodology, Epidemiology for DrNB, DNB, Fellowship Students and PhD Scholars and faculty.
2. Facilitate process of arriving at Research Question, designing research protocol, data collection, analysis, statistical tests and drawing inference keeping oncology related thesis /all speciality research projects in background .
3. Capacity building of Research Scholars and in-house-Faculty.

### Approach:

<b>Total Number of hours</b>	60 Hours
<b>Faculty</b>	External Faculty: NIMHANS, MS Ramaiah Medical College, National Institute of Unani Medicine) and Internal Faculty of SSCHRC
<b>Dates</b>	04 October 2025 to 31 January 2026
<b>Approach</b>	Discussion / exercises / hands on
<b>Evaluation</b>	Pre - Test / Post - Test / Terminal Examination, Issue of certificates

### Resource persons of SSCHRC:

<b>Dr. Paturu Kondiah</b>	Advisor - Research, SSCHRC and SSNCCPR
<b>Dr. Giri G. V.</b>	HoD - Dept of Radiation Oncology, SSCHRC
<b>Dr. Ravi Kumar M.</b>	Director, Radiation Physics, SSCHRC
<b>Dr. Aruna Korlimarla</b>	Principal Scientist-HoD, Molecular Oncology, SSNCCPR
<b>Dr. Akhileshwar Namani</b>	Scientist, Department of Molecular Oncology, SSNCCPR
<b>Dr. Vishnu Kurpad</b>	Sr. Consultant - Surgical Oncology, SSCHRC
<b>Dr. Karthik S. Rishi</b>	Sr. Consultant - Radiation Oncology, SSCHRC
<b>Dr. Karthik N. Rao</b>	Consultant - Head & Neck Oncology, SSCHRC
<b>Mr. Krishna Chaithanya</b>	HoD, Digital Media Communication Division SSCHRC

## External resource on Bio-Statistics and Epidemiology:

<b>Dr. Subbukrishna</b>	Biostatistics, Formerly with NIMHANS; currently with SSCHRC as Member Research Advisory Committee
<b>Dr. Mariamma Phillips</b>	Additional Professor, Biostatistics, NIMHANS, Bengaluru
<b>Dr. Girish N. Rao</b> <b>Dr. Pradeep B. S.</b> <b>Dr. Gautama Sukumar</b> <b>Dr. Arvind Banavaram</b>	Dept. of Epidemiology, NIMHANS, Bengaluru
<b>Mr. Shivaraj</b>	Dept. of Community Medicine, MS Ramaiah Medical College
<b>Ms. Radhika K.</b>	National Institute of Unani Medicine, Bengaluru
<b>Dr. Jayashree R S</b>	Professor & HoD, ( Rtd.), Department of Microbiology, Kidwai Memorial Institute of Oncology, Bengaluru
<b>Mr. Narasimha Murthy</b>	Formerly with MSRMC, now retired
<b>Dr. Ramesh</b>	Scientist, IIIT, Electronic City, Bengaluru
<b>Dr. Prashanth Mathur</b> <b>Dr. Prathyusha</b> <b>Dr. Thilagavathi</b> <b>Mr. Sathish</b> <b>Mr. Stephen</b>	ICMR – NCDIR, Bengaluru

## For any Clarifications, Please Contact:

**Dr. Triveni B N** - Training Coordinator - **99004 91049**

**Ms. Druthi K C** - **74119 86897**

**Ms. Shradha Kumari** - **99808 41761**

**Dr. S Pruthvish** - Director – Academics and Training, SSCHRC - **99010 42731**

## Expected Outcomes:

Capacity built / strengthened in PhD, DNB, Dr NB Scholars, Fellowship Students, PhD Scholars Junior faculty to undertake Course related (Thesis/Dissertation) other project related research in the area of oncology.

## Details of Curriculum:

**PARTICIPANT FOCUS:** 2025 Admission DNB Radiation Oncology, DrNB Surgical Oncology, DrNB Medical Oncology, DrNB Gynae-Oncology, Fellowship Scholars, DNB/DrNB of other Specialities, PhD Scholars and Faculty.

**Programme will be useful for MD/MS/DM/MCh Scholars of all Specialities also.**

Days	Topic No.	Topic	Approach	Utility / expected outcomes
<b>Day-1</b> 04/10/2025		<b>Pre-test</b>		
	1.0	<b>Introduction to Biostatistics and study design in cancer epidemiology; Tips for arriving at Research Question</b>  <b>Grey areas for Research in Oncology</b>	Presentation  Presentation and Discussion	Scholars will be able to relate Utility of biostatistics, epidemiology, research methodology in cancer  Epidemiological studies
	1.1	<b>“Research and Statistics”</b>	Presentation, Discussion	Scholars will be able to prepare research protocol for submission to National Academy / other Institutions
	1.2	<b>Preparation of Research Protocol for submission – “Tips”Research Protocol for DNB/DrNB: Research protocol for PhD :</b>	Presentation, Discussion	Scholars will be able to plan research systematically
	1.3	<b>Preparation of Gantt chart What is Biological Plausibility ?</b>		
	1.4	<b>How to calculate Impact Factor, Citation Index, h index, search Engines Tips for literature Search</b>	Presentation, Discussion	
<b>Day-2</b> 11/10/2025	2.1	<b>Sampling, Sampling Techniques</b>	Presentation, Exercises, Discussion; calculation for their dissertation work	
<b>Day-3</b> 18/10/2025	3.0	<b>Measures of central tendency and measures of dispersion, measure of shape – different distributions, Normal distribution</b>	Presentation, Discussion, Exercises	Revision of concepts and skills related to measures of Central Tendency, Measures of Dispersion, Normal distribution

Days	Topic No.	Topic	Approach	Utility / expected outcomes
<b>Day-4</b> 25/10/2025	4.0	<b>Study Designs, Types of data</b>	Presentation, Exercises, Discussion	Revisiting study designs, revisiting methods of graphical representation of data; adopting / adapting their research plans
	4.1	<b>Graphical representation of data</b>		
<b>Day-5</b> 08/11/2025	5.0	<b>Inferential statistics, Parametric and non-parametric tests</b>	Presentation, Exercises, Discussion	Strengthening skills in inferential statistics
<b>Day-6</b> 15/11/2025	5.1	<b>Test of Significance Chi-Square, Fishers McNamara's exam test</b>	Presentation, Exercises, Discussion	Strengthening skills in inferential statistics
<b>Day-7</b> 22/11/2025	5.2	<b>Experimental Studies (Randomized and non-randomized) Control Studies</b>	Presentation, Exercises, Discussion	Strengthening skills
<b>Day-8</b> 29/11/2025	6.0	<b>Correlation and Regression Part I</b>	Presentation, Exercises, Discussion	Strengthening understanding and Skills development
	6.1	<b>Correlation and Regression Part II</b>		
<b>Day-9</b> 6/12/2025	7.0	<b>Sensitivity, Specificity, predictive values</b>	Presentation, Exercises, Discussion	Strengthening understanding and Skills development
<b>Day-10</b> 13/12/2025	8.0	<b>Aspects of data organisation Questionnaire / tools - excel / SPSS Package / Other Special packages - hands on training and demonstration</b>	Hands on Training	Strengthening Skills in utility of Excel / SPSS Package / other special packages
<b>Day-11</b> 20/12/2025	9.0	<b>Excel/SPSS Package / other IMPORTANT special Packages - hands on training and demonstration</b>	Hands on Training	Strengthening Skills in utility of Excel / SPSS Package / other special packages

Days	Topic No.	Topic	Approach	Utility / expected outcomes
<b>Day-12</b> 27/12/2025	10.0	<b>Survival Analysis</b>	Presentation, Exercises, Discussion	Strengthening and Skill development
<b>Day-13</b> 03/01/2026	11.0	<b>Determination of sample size</b>	Presentation, Exercises, Discussion	Strengthening understanding and Skills development
<b>Day-14</b> 10/01/2026	12.0	<b>Grant Writing</b>	Presentation, Exercises, Discussion	Strengthening and Skill development
	12.1	<b>Scientific writing and Publication</b>		Strengthening and Skill development
<b>Day-15</b> 17/01/2026	13.0	<b>Meta Analysis</b>	Presentation, Exercises, Discussion	
<b>Day-16</b> 24/01/2026	14.0	<b>Artificial Intelligence and Health Research</b>	Presentation, Exercises, Discussion	
<b>Day-17</b> 31/01/2026	14.0	<b>Post Test / Feedback / Terminal Examination</b>		

Effort will be made to initiate 5 research endeavours with interested participants using meta analysis to be completed in one and half year time.

## REGISTRATION FORM

<b>Name</b>	
<b>Date of Birth</b>	
<b>Gender</b>	
<b>Address</b>	
<b>Mobile Number</b>	
<b>E-mail</b>	
<b>Institute</b>	
<b>Registration Fee Transaction Details</b>	

**LAST DATE FOR REGISTRATION : 20th September, 2025**  
**REGISTRATION FEE: Rs. 5,500/- for Indian participants and**  
**USD 100 for International participants**  
(Offline and Online mode)

### **BANK DETAILS FOR NEFT**

**NAME OF ACCOUNT : SRI SHANKARA CANCER HOSPITAL & RESEARCH CENTRE**

**NAME OF THE BANK : CENTRAL BANK OF INDIA**

**BRANCH : BASAVANAGUDI**

**ACCOUNT TYPE : CURRENT ACCOUNT**

**ACCOUNT NO. : 3200607164**

**IFSC Code : CBIN0280846 (5TH LETTER IS ZERO)**



**Dr. S. Pruthvish**

MD, DNB, FAMS

Director - Academics and Training  
SSCHRC - Bengaluru



**Dr. B. S. Srinath**

MS(PGI-Chandigarh), FRCS(Edin), FRCS(Glasgow)  
Managing Trustee and Head of Institutions  
SSCHRC and BSSCCRI

### **FOR FURTHER DETAILS:**

Division of Academics and Training

**Sri Shankara Cancer Hospital and Research Centre,**

1st Cross, Shankara Math Premises, Shankarapuram, Basavanagudi,  
Bengaluru-560 004. Karnataka. INDIA

Phone : 080-4648 1017 / 2698 1000

academics@sschrc.org

website: shankaracancerhospitals.org