Sri Shankara CANCER HOSPITAL & RESEARCH CENTRE

Bagchi Sri Shankara CANCER CENTRE & RESEARCH INSTITUTE





Sri Shankara Cancer Hospital & Research Centre, Bengaluru

Bagchi Sri Shankara Cancer Centre & Research Institute, Bhubaneswar

V (2026) Course on Research Methodology, Epidemiology and Bio-statistics for DNB, DrNB, Fellowship Scholars, PhD Scholars and Faculty (17 October 2026 to 6 February 2027) (04 Credit hours)

17th October 2026 to 6th February 2027

(No. of HOURS - 60, No. of CREDITS - 4)

It is being planned to conduct three month course on Research Methodology, Bio-statistics and 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:

Total No. of hours	60 Hours
Faculty	External Faculty: NIMHANS, ICMR-NCDIR, Kidwai Memorial Institute & Oncology, MS Ramaiah Medical College, National Institute of Unani Medicine, St. John's Medical College, and Internal Faculty of SSCHRC
Dates	17 October 2026 to 6 February 2027
Approach	Discussion / exercises / hands on
Evaluation	Pre - Test / Post - Test / Terminal Examination, Issue of certificates

Resource persons of SSCHRC:

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

External resource on Bio-Statistics and Epidemiology:

Dr. Subbukrishna	Biostatistics, Formerly with NIMHANS; currently with SSCHRC as Member Research Advisory Committee
Dr. Mariamma Phillips, Dr. Prathyusha	Dept. of Biostatistics, NIMHANS, Bengaluru
Dr. Girish .N. Rao, Dr Pradeep .B.S, Dr. Gautama Sukumar, Dr. Arvind	Dept. of Epidemiology, NIMHANS, Bengaluru
Dr. N S Shivaraj	Dept. of Community Medicine, MS Ramaiah Medical College
Ms. Radhika .K.	National Institute of Unani Medicine, Bengaluru
Mr. Narasimha Murthy	Associate Professor in Biostatistics, formerly with MSRMC.
Mr. Sathish, Mr Stephen, Dr. Thilagavathi, Dr. Prashanth Mathur	ICMR – NCDIR, Bengaluru
Dr. Denis Xavier	Senior Professor of Pharmacology and former Vice Dean- St. John Medical College, Bengaluru
Dr. R P Pai	Former Senior Professor of Community Medicine, KMC, MAHE

For any Clarifications, Please Contact:

Dr. Triveni B N, Training Coordinator - **99004 91049**, **Ms Druthi K C** - **74119 86897**
Mr. Hanamanth Rao - **81520 89978**, **Ms. Shradha Kumari** - **99808 41761**
Dr. S Pruthvish, Dean-Academics and Training,
Faculty of Medical Sciences SSCHRC - **99010 42731**

Expected Outcomes:

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

Details of Curriculum:

Participant Focus: 2026 Admission DNB Radiotherapy, Radio diagnosis, DrNB Surgical Oncology, Dr NB Medical Oncology, Dr NB Gynae-oncology, Fellowship Scholars of NBEMS, RGUHS and Institutional Fellowship programmes of SSCHRC, PhD Scholars and Faculty; Programme will be useful for MD/MS/DM/MCh scholars of all Specialities also.

Course Fee: Rs. INR 6500 **International Participants: USD 130**

Days	Topic No.	Topic	Approach	Resource Faculty	Timing	Utility / expected outcomes
	Pre-test					
Day 1 17/10/2026	1.1	Introduction to Biostatistics and study design in the context of cancer epidemiology; Tips for arriving at Research Question	Presentation	**Dr. S Pruthvish** Dean-Faculty of Medical Sciences	2:00 PM– 2:30 PM	Scholars will be able to relate utility of biostatistics, epidemiology, research methodology in cancer epidemiological studies
		Grey areas of Research in Oncology	Presentation and Discussion	**Dr. Aruna Korlimarla** Principal Scientist-HoD, Molecular Oncology, SSNCCPR	2:30 PM – 3:00 PM	Scholars will be able to relate utility of biostatistics, epidemiology, research methodology in cancer epidemiological studies
	1.2	"Research and Statistics"	Presentation and Discussion	**Mr. Narasimha Murthy** Formerly with MS Ramaiah Medical College (MSRMC), Dept. of Community Medicine.	3:00 PM - 3:45 PM	Scholars will be able to prepare research protocol
	1.3	Preparation of Gantt chart What is Biological Plausibility?	Presentation and Discussion	**Dr. Vishnu Kurpad** Sr. Consultant - Surgical Oncology, SSCHRC	4:30 PM – 5:00 PM	Scholars will be able to plan research systematically

Days	Topic No.	Topic	Approach	Resource Faculty	Timing	Utility / expected outcomes
Day 2 24/10/2026	2.1	Sampling, Sampling Techniques	Presentation, Exercise, Discussion; calculation for their dissertation work	**Dr. Mariamma Phillips** Additional Professor, Biostatistics, NIMHANS, Bengaluru	2:30 PM – 4:30 PM	Will help Scholars to arrive at appropriate sample size for their research work
Day 3 31/10/2026	3.0	Measures of central tendency and measures of dispersion measures of shape – different distributions, Normal distribution	Presentation, Discussion, Exercise	**Dr. Arvind Banavaram** Dept. of Epidemiology, NIMHANS, Bengaluru.	2:30 PM – 4:30 PM	Revision of concepts and skills related to measures of Central Tendency, Measures of Dispersion, Normal distribution
	4.0	How to calculate Impact Factor, Citation index, H index, search engines tips for literature search	Presentation, Discussion, Exercise	**Dr. Akhileshwar Namani** Scientist, Molecular Oncology, SSNCCPR	5:00 PM – 5:30 PM	Scholars will be able to plan research systematically
Day 4 7/11/2026	5.1	Types of Data, Study Designs	Presentation, Discussion, Exercise	**Dr. Gautama Sukumar** Dept. of Epidemiology, NIMHANS, Bengaluru.	2:30 PM – 4:30 PM	Revisiting study designs, adopting / adapting their research plans
	5.2	Graphical Representation of Data	Presentation, Discussion, Exercise	**Dr. Ravi Kumar M** Director, Radiation Physics, SSCHRC.	4:30 PM – 5:00 PM	Revisiting methods of graphical representation of data;
Day-5 14/11/2026	6.0	Inferential statistics, parametric tests	Presentation, Discussion, Exercise	**Dr Mariamma Phillips** / **Dr. Prathyusha** NIMHANS, Bengaluru	2:30 PM – 4:30 PM	Strengthening skills in inferential statistics

Days	Topic No.	Topic	Approach	Resource Faculty	Timing	Utility / expected outcomes
Day 6 21/11/2026	7.0	Non parametric tests - Chi-Square Test, Fishers Test, Mann-Whitney U Test, Wilcoxon signed rank Test, Kruskai-Wallis Test, McNamara's test.	Presentation, Discussion, Exercise	**Dr. Mariamma Phillips** **Dr. Prathyusha** NIMHANS, Bengaluru	2:30 PM – 4:30 PM	Strengthening skills in inferential statistics
Day 7 28/11/2026	8.0	Sensitivity, Specificity, predictive values	Presentation, Discussion, Exercise	**Dr. Gautama Sukumar** Dept. of Epidemiology, NIMHANS, Bengaluru.	4:00 PM – 5:30 PM	Strengthening skills
Day 8 5/12/2026	9.1 & 9.2	Correlation and Regression Part I and II	Presentation, Discussion, Exercise	**Dr. Thilagavathi** Scientist, ICMR NCDIR	2:30 PM – 4:30 PM	Strengthening, understanding and skills development
Day 9 12/12/2026	10.1	Conduct of Clinical Trial	Presentation, Discussion, Exercise	**Dr. Denis Xavier** Senior Professor-Pharmacology St john's Medical College, Bengaluru	2:30 PM – 4:30 PM	Strengthening, skills in participating in conduct of Clinical Trial
	10.2	Approaches to multidisciplinary research	Presentation,	**Prof. Dr R P Pai** Formerly with KMC, MAHE	4:30 PM – 5:30 PM	Strengthening, skills in participating in conduct of research.

Days	Topic No.	Topic	Approach	Resource Faculty	Timing	Utility / expected outcomes
Day 10 19/12/2026	11.1	Aspects of data organisation Questionnaire / tools excel / SPSS Package / Other Special package – hands on training and demonstration	Hands on Training	**Mr. Shivaraj .N.S** Dept. of Community Medicine, MS Ramaiah Medical College **Ms. Radhika K** National Institute of Unani Medicine, Bengaluru	2:30 PM – 5:30 PM	Strengthening skills in utility of Excel / SPSS Package / other special packages
Day 11 26/12/2026	11.2	Excel/SPSS Package / other IMPORTANT special Packages – hands on training and demonstration	Hands on Training	**Mr. Shivaraj .N.S** Dept. of Community Medicine, MS Ramaiah Medical College **Ms. Radhika K** National Institute of Unani Medicine, Bengaluru *(if found necessary, session will be extended to one more afternoon)*	2:30 PM – 5:30 PM	Strengthening skills in utility of Excel / SPSS Package / other special packages
Day 12 2/1/2027	13.0	Survival Analysis	Presentation, Discussion, Exercise	**Mr. Sathish** & **Mr. Stephen** ICMR – NCDIR, Bengaluru	2:30 PM – 5:30 PM	Strengthening understanding and skills development
Day-13 9/1/2027	14.0	Determination of Sample Size	Presentation, Discussion, Exercise	**Dr. Mariamma Phillips** Additional Professor, Biostatistics, NIMHANS, Bengaluru.	2:30PM – 4:30 PM	Strengthening understanding and skills development

Days	Topic No.	Topic	Approach	Resource Faculty	Timing	Utility / expected outcomes
Day 14 16/01/2027	15.1	Grant Writing	Presentation, Discussion, Exercise	**Dr. Jayashree R S** Professor & HoD, (Rtd.), Department of Microbiology, Kidwai Memorial Institute of Oncology, Bengaluru	2:30 PM – 3:30 PM	Strengthening and skill development
	15.2	Scientific writing and Publication	Presentation, Discussion, Exercise	**Dr. Paturu Kondiah** Senior Advisor - Research, SSCHRC and SSNCCPR	3:30 PM – 4:30 PM	Strengthening and skill development
Day 15 23/01/2027	16	Introduction to Meta-Analysis	Presentation, Discussion, Exercise	**Dr. Karthik N. Rao** Consultant - Head & Neck Oncology, SSCHRC	2:30 PM – 4:00 PM	Strengthening and skill development
	17	Artificial Intelligence and Health Research	Presentation, Discussion, Exercise	**Mr. Krishna Chaithanya** HoD, Digital Media Communication Division SSCHRC	4:00 PM – 5:00 PM	Strengthening and skill development
Day 16	**06/02/2027**	**Post Test / Feedback / Terminal Examination**				

REGISTRATION FORM

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

LAST DATE FOR REGISTRATION : 16th October, 2026
REGISTRATION FEE: Rs. 6,500/- for Indian participants and
USD 130 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. B. S. Srinath
MS(PGI-Chandigarh), FRCS(Edin.), FRCS(Glas.)
Managing Trustee and Head of Institutions
SSCHRC and BSSCCRI



Dr. S. Pruthvish
MD, DNB, FAMS
Dean-Faculty of Medical Sciences

FOR FURTHER DETAILS:

Division of Academics and Training
Sri Shankara Cancer Hospital & Research Centre
1st Cross, Shankara Math Premises,
Shankarapuram, Basavanagudi,
Bengaluru-560 004. Karnataka. INDIA
Phone : 080-4648 1017 / 2698 1000
academics@sschrc.org
website: srishankaracancerhospital.org