

## Workshop on Basic Epidemiology, Statistics, SPSS and Critical Appraisal

The Department of Community Medicine has been conducting workshop on “Basic Epidemiology, Statistics, Critical Appraisal and SPSS hands on” every year since 2005. The main thrust of the workshop is on the basic concepts in epidemiological methods and data management. The target participants are mostly postgraduate students and faculty from medical, dental and other health science colleges of the University and from other institutions. Handout is given to all participants which included topics on various research designs, bias in research studies, sample size calculation, critical appraisal of journal article, topics in biostatistics and writing research protocol. On an average there are 80 participants in each workshop.

The workshop includes following components.

- Core presentations by the workshop facilitators – on Epidemiological study designs, Incidence & Prevalence, Normal distribution, Statistical sampling and sample size calculation, cross sectional study, Case-control study, Cohort study, Randomized controlled study, Bias in epidemiological studies, Research protocol, Ethics in Bio-medical research, Test of statistical significance, Correlation & Regression
- Critical appraisal of articles published in medical / dental journals as hands on training- Cross sectional study, Case-Control study, Randomized controlled study, Screening/Diagnostic test. During this activity the delegates are divided into groups and each delegate is encouraged to contribute during the sessions.
- Data analysis and interpretation: The workshop handout is provided two weeks in advance to all the participants so as to familiarise with the content. Scenarios related to various epidemiological study designs are provided for analysis and interpretation. This includes scenarios for sample size calculation.
- SPSS hands on training: During the session the participants are initially briefed on the utility and options available in SPSS(Statistical Package for Social Sciences). The participants install the demo version in the computers and are instructed to enter a sample data. The steps for basic statistical analysis are shown and its simultaneously each participant are instructed to perform the same in the sample dataset provided to them.

Pre-test and post-test forms are provided to judge the objective improvement in their knowledge. Feedback is obtained from the participants. The workshop is very well appreciated by the participants. The content and the conduct of the workshop is appreciated by all participants.

Workshop on Basic Epidemiology, Statistics, SPSS and Critical Appraisal



Inauguration in progress



A participant interacts



Attentive delegates



Critical Appraisal of Journal



Allotment of Group Activity



Allotment of Group Activity

# Workshop on Basic Epidemiology, Statistics, SPSS and Critical Appraisal

	
2017 workshop: Growing importance	Participants
	
Interaction among the groups	Participant expressing views during Critical Appraisal of Journal
	
A Group Photograph	



## Orientation Programme in Research Methodology and Biostatistics for Ph.D candidates

The Department of Community Medicine has been conducting 'Orientation Programme in Research Methodology and Biostatistics' for Ph.D. Candidates in coordination with Central Research Facility for two days every six months since Sep 2009. The main thrust of the workshop is on the basic concepts in research methodology, Medical Ethics, Epidemiological methods and biostatistics.

The Orientation Programme included following 3 main components.

- Core presentations by the workshop facilitators
- Interactive discussion on the subject presented.
- Live demonstration of data management using SPSS statistical software.

The orientation program includes the following topics: Selection of research topic, research method and review of literature, Observational studies, Interventional studies, Statistical sampling methods and sample size, Questionnaire development, Test of statistical significance, 95% C.I., Ethics in bio-medical research, Non-parametric methods, ANOVA, Multivariate analysis, Research protocol / proposals and Orientation on SPSS. This includes a session on "Animal Ethics" by the Guest speaker Dr.Sarathchandra, who currently heads the Pharmacovigilance Laboratory for Animal Feed and Food Safety under Tamilnadu Veterinary and Animal Sciences University.

Year-wise number of participants

S. No.	Year	Date	No. of participants
1.	2012	02.02.2012 - 03.02.2012	38
		10.10.2012 - 11.10.2012	22
2	2013	03.04.2013 - 04.04.2013	35
3	2014	12.02.2014 - 13.02.2014	31
4	2015	17.02.2015 - 18.02.2015	47
5	2016	01.03.2016 - 02.03.2016	46
6	2017	16.02.2017 - 17.02.2017	41

Session-wise feedback was obtained for all participants. The orientation programme was well appreciated by the participants and very good feedback was received from them.

## Orientation Programme in Research Methodology and Biostatistics for Ph.D candidates



Inauguration of the programme



Welcoming the dignitaries



Introduction about the programme



Participants



Participants



Participants

# Refresher program on “Research Methodology and Research Ethics”



Inauguration



Overview of the programme



Senior faculty of Medical College attend



Programme for the guides



An intro by the Dean (Research)



Faculty members of Dental college and Health science colleges





## Refresher program on “Research Methodology and Research Ethics”

In order to facilitate appropriate research in post-graduates and doctoral students, the institute decided have a refresher programme for guides i.e. faculty of medical, dental and other allied health disciplines. The Department of Community Medicine was vested with the responsibility to conduct the programme. The content of the programme was as follows;

- a. Types of Epidemiological Study designs
- b. Sampling methods and Sample size calculation
- c. Ethics in Bio Medical Research
- d. Statistical Methods
- e. SPSS hands on session

A one-day programme was conducted in a phased manner to cover the senior faculty and guides.

Particulars of the Refresher Program conducted

S.No.	Date	Attended by	Organised by
1	25.4.2014	Faculty members of Dental college and Health science colleges	Department of Community Medicine
2	3.05.2014	Faculty members of Medical college	Department of Community Medicine
3	30.8.2014	Guides of postgraduate students	Medical Education Unit and Department of Community Medicine
4	6.9.2014	Guides of postgraduate students	Medical Education Unit and Department of Community Medicine

## Research Methodology for MBBS Undergraduate students – EQUINOX

The department of Community Medicine conducted workshop on Research Methodology for MBBS Undergraduate students in SRMC Equinox conference on 5 the July 2017. 32 participants took the benefits of the program. The program had one main session by Dr Pankaj B Shah about Basics of Research Methodology. This was followed by group activity in which all participants were divided in four groups and the participants were requested to present their planned research proposal which was improved by Faculties in each group. All the faculties of the department participated in the workshop and the complete program was framed as per the advice of Prof.BWC Sathiyasekaran.



## World Health Day Celebrations

**2012**



Dr. Mahalakshmi honouring the Guest speaker



Participants of the programme



Guest speaker distributing the awards



Participants of the programme

**2013**



Elocution competition in progress



**2014**

	
Elocution completion for MBBS students	Faculty introducing the theme

## WORLD HEALTH DAY CELEBRATIONS

The Department of Community Medicine celebrates the WHO day on 7<sup>th</sup> April to create awareness on World Health Day Theme among the students during the last eight years. Elocution and Essay competitions are organized among M.B.B.S students and winners are awarded Prize. During the celebrations, the M.D. postgraduate students from Community Medicine Department make presentations on the WHO Day theme.

**2012:** The World Health Day was celebrated on ..... The theme for the year was “**Good health adds life to years**”. Elocution competition was conducted for MBBS students on the topic of “*Active aging*”. Dr.Swapna, Post-graduate student in Community medicine delivered a lecture on “*Prevention of elder abuse*”. Dr.Srinath, Post-graduate student in Community medicine delivered a lecture on “*Geriatrics in medical education*”. Prof Pankaj B Shah spoke on the “*National program for health care of the elderly*”. Prof.Prasad Mathews, HOD Dept. Of Geriatrics, CMC,Vellore was the Guest speaker for the occasion and lectured on “*Mild cognitive impairment and dementia in the elderly*”

**2013:** The Department of Community Medicine celebrated the World Health Day 2013 on 6<sup>th</sup> April 2013. The theme for the year was on “**High Blood Pressure**”. Elocution and essay competitions were conducted for MBBS students. Over 60 students participated in the programme. Prof.K.V.-Somasundaram, Dean of Faculties highlighted on the importance of the theme. Dr.Shanthi Ed-

ward, Additional Professor, Dept. of Community Medicine introduced the gathering to the concept of World Health Day. Dr. Vanitha D & Dr.P.R.Sreesupria, Post-Graduates, Dept. of Community Medicine presented on “*Role of National and Local authorities for healthy behaviour in the community*” and “*WHO Guidelines on Dietary salt and Potassium 2013*” respectively.

**2014:** The World Health Day was celebrated on 7th April 2014. The theme for the year was on “**Vector Borne Diseases**”. Elocution and essay competitions were conducted for MBBS students. Over 60 students participated in the programme. Dr.Meriton Stanly, Associate Professor, Dept. of Community Medicine introduced the gathering to the concept of World Health Day. Elocution and Essay competitions were organized among M.B.B.S students and winners were awarded Prize. Dr. Vijaiyalakshimi & Dr.D.Senthil Arasi, Post-Graduates, Dept. of Community Medicine presented on “*Neglected Tropical Diseases*” and “*Challenges of Vector Control & measures of vector control*” respectively.

**2015:** The theme for the year was in relation to “**Food Safety**”. Elocution and essay competitions were conducted for MBBS students. Over 60 students participated in the programme. Dr.Pankaj Shah, Associate Professor, Dept. of Community Medicine briefed on the concept of World Health Day. Elocution and Essay competitions were organized among M.B.B.S students and winners were awarded Prize. Dr. Sri Santhanakrishnan & Dr.P.Praveena, Post-Graduates, Dept. of Community Medicine presented on “*Codex Alimentarius*” and “*Food Safety and Standards act, 2006*” respectively.

Particulars of the World Health Day Programme (2012-2017)

S. No.	Year	Theme	Date	Total number of participants
1.	2012	Good health adds life to years	7.4.12	130
2	2013	Healthy heart beat, Healthy blood pressure	6.4.14	60
3	2014	Vector-borne diseases: small bite, big threat	7th April 2014	Over 60 students
4	2015	Food safety	7th April 2014	Over 60 students
5	2016	Halt the rise: beat diabetes	7th April 2016	Over 60 students
6	2017	Depression: Let's talk	7th April 2017	Over 80 students



## Participation in the CITI-India - Research Ethics Programme

The Collaborational Institutional Training Initiative is a web-based Research Ethics Programme initiated at the University of Miami, USA since 2000 and adopted by many educational and research organizations worldwide. In 2009 the program was launched in India in the year 2009 with Sri Ramachandra University as the nodal institute.

The Department of Community Medicine has been actively supporting the program with the Central Research facility in launching the programme, contributing to India-specific content to modules, managing the user enrollment and co-organising the conferences conducted by CITI-India. Several faculty of the department are involved in the Executive Advisory Committee and Curriculum committee of the programme and also in the organizing committees of the conferences organized by the CITI-India Program. Faculty of the department have represented CITI-India and attended developer programmes in Sri Lanka and Seoul conducted by CITI, USA. The faculty have also been involved in delivering talks on importance of research ethics in many educational institutes across the country.

Inauguration of the conference conducted by CITI-India Programme in 2013 and 2014



Faculty participating in the conference

## Memorandum of Understanding with Hannover University

The Department of Community Medicine signed a Memorandum of Understanding (MOU) with the University of Hannover on November 2017. The co-ordinating faculty of the Department was Dr.Ravi Shankar Pitani, Associate Professor in Statistics and Dr.Pankaj Shah is the nodal person from the department. The co-ordinating faculty of the University of Hannover was Dr. Dnyanesh Limaye. The MOU would enhance faculty and student exchange programme and also foster research.





## CMEs organized by the Department

2012

S.No.	CME Topic	Given by	Organised by	Date	Venue
	Efforts at improvement in health care through innovations	Dr.K.Venkateshwara Rao, Formerly Director, VHS,Adyar.	Department of community medicine	13.2.2012	
	IDRV –RIGs for Rabies Prevention	Dr. Thomas Mathew, Nodal officer,IDRV Kerala and Vice president APCRI	Dept of Community Medicine	12.04.2014	Demonstration hall -2
	Current Debates in health policy : Making health services work for all	Dr.D.Varadharajan, Chief Health Insurance and Social Protection Officer, African Development Bank, Tunisia	Dept. of Community Medicine	21.7.2014	Lecture Hall VI, College building, IV Floor
	Adverse effects following immunization with pentavalent vaccine and OPV	Dr. Thomas Mathew, Nodal officer, IDRV Kerala	Dept of Community Medicine	27.11.2014	Demonstration hall -2
	CME on “Leprosy	Dr.Mohammed Afsal Ali, StateLeprosy Officer, Govt. of Tamilnadu, Dr. Nirmal Joe, Addl. Regional Director, MOHFW, Govt. Of India. Dr. Alar Shanthi, Deputy Director (Leprosy)	Dept of Community Medicine and Dept of Dermatology, LCU Poonamallee	2.3.2015	IV Lecture hall-G Block
	CME on “Vectorborne diseases”	Dr. Priyadharshini, Zonal Officer, Valasaravakkam, Chennai Corporation	Dept. of Community Medicine	17.10.2015	IV Floor lecture theatre
	Human Research Protection	Ms. Elyse Summers, CEO, AAHARPP, USA	Dept. of Community Medicine	13.10.2016 2-4 pm	Harvard Auditorium, SRMC
	Vector borne diseases with special reference to Tamilnadu	Dr. Alex Eapen, Scientist D, & Officer in charge, NIMR (ICMR), NIE campus, Ayapakkam, Chennai – 77	Dept. of Community Medicine	29.9.2016 9am-12 noon	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC



S.No.	CME Topic	Given by	Organised by	Date	Venue
	Geriatric Care - Geriatric Population & Primary Care Physicians	Dr. Neela K. Patel, Chief, Division of Geriatrics & Palliative Care, Dept. of Family Medicine & Community Medicine, UTHSCSA, USA	Dept. of Community Medicine & Geriatric Care Clinic	3.1.2017 9am -12 noon	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC
	SRU Experience in Geriatric Care	Dr. Sathianathan, Professor, Dept. of Psychiatry & Geriatric care Clinic, SRMC	Dept. of Community Medicine & Geriatric Care Clinic	3.1.2017 9am -12 noon	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC
	Sensitisation Program on SPSS software for Medical Professionals	Dr. Gangaboriah, Senior Biostatistician, KIMS, Bangalore	Dept. of Community Medicine & CRF	27.1.2017 2-4 pm	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC
	UG Competency based curriculum in Community Medicine	Dr. Thomas Chacko, Dean, Medical Education, Believers Church Medical College, Kerala	Dept. of Community Medicine	11.9.2017 9am-12 noon	IQAC Board room III floor, College block, SRMC
	Climate change and health	Dr. Manish Desai	Department of community medicine	14.11.17	lecture hall no VI
	Global Burden of Disease Calculation	Dr. Manish Desai	Department of community medicine	16.11.17	lecture hall no VI

## CMEs organized by the Department



Dr.Venkateshwara Rao talk on Innovations in Health Care



CME Adverse effects of immunization with pentavalent and OPV vaccine



CME on Current Debates in health policy by Dr.D.Varadarajan, Tunisia



CME on Rabies case management by Dr.Thomas Mathew



Demonstration of Cases of Leprosy by District level staff



CME on Leprosy

## CMEs organized by the Department



CME on Vector-borne diseases



CME on Dengue fever – Prevention and tradition methods of management



CME on Vector-borne diseases in Tamilnadu – Dr.Alex Eapen



Geriatric care in S.R.M.C. & R.I., Dr. Sathianathan



Dr. Neela Patel, USA briefing on Geriatric care



CME on UG Competency based curriculum in Community Medicine by Dr. Thomas Chako

## List of Guest Lectures by the faculty of the Department (2012-2017)

2012:

S. No	Name of Speaker	Title of guest lectures	Name of conference	Place	Year/ date
1.	Prof B.W.C.Sathiyasakaran	Teaching technology to promote community health	8 <sup>th</sup> International nurses conference	Sri Ramachandra school and college of Nursing, SRU, Chennai	3.01.12
2.	Prof B.W.C.Sathiyasakaran	Promoting ethics and professionalism in Bio medical research	Introduction to CITI India Program	AIIMS, Delhi	19.01.12
3.	Prof B.W.C.Sathiyasakaran	Promoting ethics and professionalism in Bio medical research	Introduction to CITI India Program	Global hospital, Hyderabad	25.01.12
4.	Prof Pankaj B Shah	Selection of Research topic, ethods and Critical appraisal of Journal article on 26 <sup>th</sup> Jan 12 organized by		Faculty of dental science, SRU, Chennai	26.01.12
5.	Prof Pankaj B Shah	Promoting ethics and professionalism in Bio medical research” on 25 <sup>th</sup> Jan 12 at Global hospital, Hyderabad.	Introduction to CITI India Program	Global hospital, Hyderabad	25.01.12
6.	Dr.SureshVarad arajan	Preserving the public trust in Research enterprise	CITI- India programme activities at the International conference of Radiation biology	Jaipur	22.01.12
7.	Dr.Pankaj	Faculty development programme	“Objectives”, “Media in Medical education”, “Assessment of knowledge”	Medical education unit, Sri Ramachandra University, Chennai	2 <sup>nd</sup> Feb 12
8	Dr.Ravishankar	Ist National seminar on Research Metyhodologies	“Research Methodologies”	TICEL Blo Park, Chennai	11 <sup>th</sup> Feb 12
9.	Prof Pankaj B Shah	Faculty Development Programme	Curricular Implementation Support Program(CISP)	Annapurna Medical college, Salem.	12 <sup>th</sup> April 12

10	Prof Pankaj B Shah	Faculty Development program	Teaching Learning Media, Microteaching, Systems Approach to Medical Education	SRU	18 <sup>th</sup> to 20 <sup>th</sup> April 12
11	Prof B.W.C.Sathiyas ekaran	Short Course in Biostatistics	Cohort and Cross Sectional Studies	CMC,Vellore	15 <sup>th</sup> May 12
	Prof B.W.C.Sathiyas ekaran	National level Seminar and Workshop on "Quality Sustenance in Research Publications	Basics of Research Designs	SRU Quality Assurance cell	4 <sup>th</sup> June 12
12	Pankaj B shah	Faculty Development Programme	Guest lectures on Microteaching Teaching learning Media,Formative Assessment and Feedback mechanisms	SRU	18 <sup>th</sup> to 21 <sup>st</sup> July 12.
13	Prof B.W.C.Sathiyas ekaran	Short Course in Biostatistics	Cohort and Cross Sectional Studies	CMC,Vellore	21.8.12
14	Prof B.W.C.Sathiyas ekaran	National Conference on Changing Scenario in Forensic Medicine and Toxicology	Basics on Clinical Research	SRU	24.8.12
15	Prof B.W.C.Sathiyas ekaran	Health Summit 12"Redefining Urban Health"	Guest speaker for the inaugural program	Dept of community medicine, ChengalpattuGovt Medical college and hospital	28.08.12
16	Prof B.W.C.Sathiyas ekaran	25 <sup>th</sup> conference of Indian society for Dental Research	Observational study design	SreeBalaji Dental College &Hospital,Chennai	5 <sup>th</sup> to 7 <sup>th</sup> Oct 12
17	Dr.Pankaj	Faculty development programme	Guest lecture on Systems approach to Medical education	Medical education unit, Sri Ramachandra University,Chennai	2 <sup>nd</sup> Nov 12

## **2013**

<b>S. No</b>	<b>Name of Speaker</b>	<b>Title of guest lectures</b>	<b>Name of conference</b>	<b>Place</b>	<b>Date</b>
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1	Dr.L.Kannan	Healthy life style	Annual day celebrations	Vedhathri Maharishi school, Chennai	12.1.13
2	Dr.L.Kannan	Resource person and delivered lecture on "OSPE and OSCE"	Basic course workshop in Medical education Technologies	MCI at SRU	31.01.13 to 2.02.13
3	Dr.B.W.C.Sathi yasekaran	Appropriate applications of study design in research using human subjects	International conference on "Updates in Research ethics & research methodology 13"	CITI –India, Sri Ramachandra University and CITI, University of Miami,USA	05.03.13
4	Dr.SureshVaradarajan	Blood pressure situation and trends	CNE program on "Healthy Heart Beat; Healthy Blood pressure"	Faculty of Nursing, Sri Ramachandra University, Chennai	28.3.13
5	Dr.B.W.C.Sathi yasekaran	Responsibilities of stakeholders (PI,Sponsor,CRO,Institution,EC)	Workshop on Advanced Good clinical practice	SRU and PFIZER	20.04.13
6	Dr.Pankaj	"Objectives", "Teaching learning Media in Medical education"	Faculty development programme	Medical education unit, Sri Ramachandra University, Chennai	24-26, April 13
7	Dr.SureshVaradarajan	Bias in Research	Workshop on Research methodology for Dentists	Chennai Dental Research foundation	4 <sup>th</sup> May 13
8	Dr.Pankaj	Ethics in Research	Workshop on Research methodology for Dentists	Chennai Dental Research foundation	4 <sup>th</sup> May 13
9	Dr.L.Kannan	Resource person and delivered lecture on "Small group discussion"	Basic course workshop in Medical education Technologies	MCI at SRU	17.07.13 to 19.07.13
10	Dr.A.M.Stanly	"Personal Hygiene at home and workplace"	Employees of Madras Club	Adyar	21.12.13
11	Dr.B.W.C.Sathi yasekaran	"Cohort and Cross sectional study"	Short course in Biostatistics	Dept of Biostatistics,CM C,Vellore	27.11.13
12	Dr.B.W.C.Sathi yasekaran	"Selecting a research topic and preparing research proposal"	Research methodology workshop	Govt.Kilpauk Medical college	19.12.13

13	Dr.B.W.C.Sathi yasekaran	“Critical appraisal of Journal articles”	Instructional course on Research methodology	MMC and Rajiv Gandhi Govt.General Hospital Chennai	27.10.13
14	Dr.L.Kannan	“Management of communicable diseases”	Conference on “Nutrifeast”	Ethiraj college for women	9 <sup>th</sup> Oct 13
15	Dr.Pankaj B shah	Resource person and delivered lecture on “Objectives development” and “Assessment of knowledge”	Basic course workshop in Medical education Technologies	MCI at SRU	17.07.13 to 19.07.13
16	Dr.Pankaj B shah	Resource person and delivered lecture on “Objectives development” and “Assessment of knowledge”	Basic course workshop in Medical education Technologies	MCI at SRU	29.10.13 to 31.10.13

## 2014

S.No	Name of Speaker	Title of guest lectures	Name of conference	Place	Date
1	Prof B.W.C.Sathiyasekaran	Observational epidemiology	10 <sup>th</sup> International Nurses Conference	S R U , Chennai	7 <sup>th</sup> Jan 14
2	Prof Pankaj B shah	“objectives, media and medical education and formative assessment”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	22.01.14 to 24.01.14.
3	Dr.L.Kannan	“Small group discussions and OSCE”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	22.01.14 to 24.01.14.
4	Prof Pankaj B shah	Study designs	6 <sup>th</sup> Rapid review and Revision Course in periodontology and Implantology	Faculty of Dental sciences, S R U , Chennai	23 <sup>rd</sup> -26 <sup>th</sup> Jan 14
5	Prof B.W.C.Sathiyasekaran	Cohort and cross sectional studies	Short course in Biostatistics	Biostatistics Dept, Vellore CMC	18.3.14

6	Dr.SureshVaradarajan	Emerging and reemerging diseases	XI Continuing Nursing Education Programme	Faculty of Nursing SRU	11.3.14
7	Prof Pankaj B shah	“objectives, media and medical education and formative assessment”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	5.03.14 to 7.03.14.
8	Dr.L.Kannan	“Small group discussions and OSCE”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	5.03.14 to 7.03.14..
9	Prof.Shanthi Edward	Mother and Child Health	Pan African e- Network project for Telemedicine	Telemedicine Dept, SRU	23.4.14
10	Prof B.W.C.Sathiyasekaran	Statement of the problem and to formulate a good research question	Saveetha Medical Students Research Project Workshop	Dept of community medicine, Saveetha Medical College, Thandalam	14 <sup>th</sup> May 14
11	Prof B.W.C.Sathiyasekaran	Cohort and cross sectional studies	Short course in Biostatistics	Biostatistics Dept, Vellore CMC	20.05.14
12	Dr.Vanishree Shriram	Judge –Regional level CBSC Science Exhibition 14	Science Exhibition 14	P.S.Senior secondary school	26.6.14 to 28.6.14
13	Prof B.W.C.Sathiyasekaran	Epidemics – Investigation and control	Pan African e- Network project for Telemedicine	Telemedicine Dept, SRU	02.7.14
14	Prof Pankaj B shah	“objectives, media and medical education and formative assessment”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	2.07.14 to 4.07.14..
15	Prof Pankaj B shah	“Assessment”	Faculty development Programme	Dental Education unit, SRU	4 <sup>th</sup> and 5 <sup>th</sup> Aug 14
16	Dr.L.Kannan	“Small group discussions and OSCE”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	2.07.14 to 4.07.14..

17	Prof Pankaj B shah	“Project planning, Research Methodology and E learning”	MCI Advanced course in Medical education	Medical Educational Unit	10.09.14 to 13.09.14..
18	Dr.L.Kannan	“Item analysis, OSCE, OSPE, MINICeX and Assessment analysis”	MCI Advanced course in Medical education	Medical Educational Unit	10.09.14 to 13.09.14..
19	Prof Pankaj B shah	“Competencies, Media and medical education and Formative assessment”	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	29.10.14 to 31.10.14.
20	Dr.L.Kannan	“Small group teaching and Demonstration”, Principles and practice of Micro teaching, OSCE and OSPE	Basic course workshop on “Medical educational Technologies”	Medical Educational Unit	29.10.14 to 31.10.14..
21	Dr.Vanishree Shriram	Judge –Global School Health Exhibition14	3 <sup>rd</sup> International Life skills, Values, Gender, School Health & Well Being Summit –14	P.S.Senior secondary school	9 <sup>th</sup> October, 14
22	Prof Pankaj B shah	Systematic reviews and meta analysis in research	1 <sup>st</sup> National Nursing Ph.D society conference	Nursing Ph.D society, SRU	27 <sup>th</sup> and 28 <sup>th</sup> Oct 14
23	Prof Pankaj B shah	“Assessment”	Workshop on Current trends in Education	D e n t a l Education unit, SRU	3 <sup>rd</sup> Nov 14
24	P r o f B.W.C.Sathiyasekaran	“ Ethical guidelines for Biomedical Research on Human subjects”	34 <sup>th</sup> Annual conference of society of Toxicology, India	Tamilnadu Veterinary and Animal sciences University	10 <sup>th</sup> to 12 <sup>th</sup> Dec 14
25	P r o f B.W.C.Sathiyasekaran	“Principles of research ethics”	CITI, India	SreeBalaji Medical college and Hospital, Chennai	19 <sup>th</sup> Dec 14
26	Prof Pankaj B shah	“Informed consent process”	CITI, India	SreeBalaji Medical college and Hospital, Chennai	19 <sup>th</sup> Dec 14

27	Dr.SureshVaradarajan	“CITI Programme”	CITI, India	SreeBalaji Medical college and Hospital, Chennai	19 <sup>th</sup> Dec 14
28	Dr.SureshVaradarajan	“Epidemiology of Emerging Infectious Diseases”	CNE on “Emerging and Reemerging Infectious Diseases”	School of Nursing, SRU	26 <sup>th</sup> Dec 14

## 2015

S.No	Name of Speaker	Title of guest lectures	Name of conference	Place	Date
1	Prof Venkatesan P	CHALLENGES IN MISSING DATA ANALYSIS	National Conference on “Statistical Modeling and Applications”	Justice Basheer Ahmed Sayeed College for Women, Chennai	23/01/15
2	Prof Venkatesan P	Statistical challenges in high dimensional data analysis	National Conference on “Recent Advances in Applied Sciences”	CTTE College, Chennai	5/2/15
3	Prof Venkatesan P	Statistical Challenges of High - Dimensional Data Analysis	International Conference on “New Horizons in Statistical Modeling and Applications”	Presidency College, Chennai	27/2-28/2/15
4	Prof B.W.C.Sathiya sekaran	Cancer Epidemiology	CME on “Advances in Cancer Biochemistry”	SRU	7 <sup>th</sup> Feb 15
5	Prof Pankaj B shah	Surveillance	Rapid review program PILOT 15	Faculty of dental sciences, SRU	26.2.15
6	Dr.Anitha Rani	Screening tests	Rapid review program PILOT 15	Faculty of dental sciences, SRU	26.2.15
7	Dr.SureshVaradarajan	Anthropology, sociology and Psychology	Rapid review program PILOT 15	Faculty of dental sciences, SRU	26.2.15
8	Prof B.W.C.Sathiya sekaran	Principles of Research ethics	Training program for IEC members on Ethics and Inauguration of CITI India Program – Institutional registration	Tagore Dental college, Near Vandalur, Chennai	4.3.15

<b>S.No</b>	<b>Name of Speaker</b>	<b>Title of guest lectures</b>	<b>Name of conference</b>	<b>Place</b>	<b>Date</b>
9	Dr.SureshVaradarajan	About CITI Program Demo	Training program for IEC members on Ethics and Inauguration of CITI India Program – Institutional registration	Tagore Dental college, Near Vandalur, Chennai	4.3.15
10	Dr.Anitha Rani	Framing and Refining research question	Workshop on Medical student research project -15	Saveetha medical college and research institute, Thandalam	4.3.15
11	Prof B.W.C.Sathiya sekaran	What is epidemiology and Measures of Disease frequency	Workshop on Research Methods	Scarf Training centre, Chennai	5.3.15 to 6.3.15
12	Dr.Anitha Rani	Food microbiology	CNE cum WORKSHOP on “Food safety: Community health nurses concern”	Faculty of nursing, SRU	13.3.15
13	Dr.SureshVaradarajan	Food and bioprocess technology	CNE cum WORKSHOP on “Food safety: Community health nurses concern”	Faculty of nursing, SRU	13.3.15
14	Prof B.W.C.Sathiya sekaran	Writing research proposal	CME on “Importance of research and various aspects of research activities”	Madha Medical college and research institute	19.3.15
15	Prof B.W.C.Sathiya sekaran	Principles of Research ethics	Training program for IEC members on “Updates in the role of institutional ethics committee in research”	Tagore Medical college, Near Vandalur, Chennai	23.3.15
16	Dr.SureshVaradarajan	Introduction to CITI Program	Training program for IEC members on “Updates in the role of institutional ethics committee in research”	Tagore Medical college, Near Vandalur, Chennai	23.3.15
17	Prof Pankaj B shah	Accreditation of Ethics Committees as per DCGI guidelines	Training program for IEC members on “Updates in the role of institutional ethics committee in research”	Tagore Medical college, Near Vandalur, Chennai	23.3.15
18	Prof P.Venkatesan	Multivariate statistical analysis using SPSS	National SPSS workshop on “Advanced Statistical Modeling”	Gandhigram Rur al University, Dindukal	23/03/15

S.No	Name of Speaker	Title of guest lectures	Name of conference	Place	Date
19	Prof P.Venkatesan	Machine Learning Approaches for High Dimensional Databases.	International conference on "Smart Technologies for Materials, communications, controls, Computing & Energy(ICSTM)	VELTECH University, Chennai organised in association with Oklahoma state University, USA.	May 6-8,15
20	Dr.SureshVaradarajan	Contagious diseases	CME on "contagious diseases"	Sri JayendraSaraswathi Ayurveda College and Hospital, Nazarathpet, Poonamallee	27.4.15
21	Prof Shanthi Edward	Mother and Child Health	Pan African e- network Project for Telemedicine	Telemedicine,SRU	24 <sup>th</sup> June 15
22	Prof Shanthi Edward	Breastfeeding	National Nutrition week celebration 15	ICDS, Poonamallee Block, Thiruvallur District	11.9.15
23	Prof B.W.C.Sathiya sekaran	Being a research Guide	National conference of Paediatric Education 15	SRU, CHENNAI	13 <sup>TH</sup> SEP 15
24	Prof B.W.C.Sathiya sekaran	Inaugural address	Annual Association Carnival Nutrifest15	Ethiraj College for women	14 <sup>th</sup> sep15
25	Dr.L.Kannan	Health Management	For sales and Editirial staffs of Tamilnadu and Kerala	DEECEE Manor Hotel, T Nagar	24 <sup>th</sup> Sep 15
26	Dr.L.Kannan	A cross sectional study to find out the prevalence of obesity and associated factors among urban government school children between the age group 11-18 years in chennai	Workshop on "spotlight on urban poverty: Are urban poor at hisher risk for cardiovascular diseases in India"	Radisson Blu' Chennai. Organized by RUHSA DEPT, VELLORE CMC	25 <sup>th</sup> sep15

S.No	Name of Speaker	Title of guest lectures	Name of conference	Place	Date
27	Prof Pankaj B Shah	Urban poor and Cardiovascular risk – systematic review and meta analysis	Workshop on “spotlight on urban poverty: Are urban poor at hisher risk for cardiovascular diseases in India”	Radisson Blu' Chennai. Organized by RUHSA DEPT, V E L L O R E CMC	25 <sup>th</sup> sep15
28	P r o f B.W.C.Sathiya sekaran	Methods in Epidemiology	RCI Supported Refresher program on “ R e s e a r c h Methodology”	Dept of Speech, language and Hearing sciences,SRU	13 <sup>th</sup> Sep 15
29	Dr.Anitha Rani	Sample size calculation and sampling methods	RCI Supported Refresher program on “ R e s e a r c h Methodology”	Dept of Speech, language and Hearing sciences,SRU	13 <sup>th</sup> Sep 13
30	Dr.Meritonstanly	Randomized Controlled Trials	RCI Supported Refresher program on “ R e s e a r c h Methodology”	Dept of Speech, language and Hearing sciences,SRU	16 <sup>th</sup> Sep 15
31	Dr.Vanishree	Cross sectional studies	RCI Supported Refresher program on “ R e s e a r c h Methodology”	Dept of Speech, language and Hearing sciences,SRU	15 <sup>th</sup> Sep 15
32	Dr.Samya	"Breast Cancer Awareness"	PINKTOBER global breast cancer awareness month	IBM India P Ltd DLF IT Park, Ramapuram	2 1 Oct'15

## 2016

S.No	Name of Speaker	Title of guest lectures	Name of conference	Place	Date
1	Dr.B.W.C.Sathi yasekaran	What is Epidemiology and Measures of Disease Frequency.	Workshop on research methods	Sundaram Medical Foundation, Anna nagar, Chennai	1 <sup>st</sup> Feb 16
2	Dr. M. Anitha Rani	Research Designs: Cross Sectional Studies	Workshop on research methods	S M F, Anna nagar, Chennai	1 <sup>st</sup> Feb 16



3	Prof Pankaj B Shah	Ethical Guidelines for Biomedical Research on Human Participants	Workshop on research methods	SMF, Anna nagar, Chennai	2 <sup>nd</sup> Feb 16
4	Prof Shanthi Edward	Judge	Preclinical Poster Presentation	SRU	10 <sup>th</sup> March 16
5	Dr.L.Kannan	“Epidemiology of Diabetes Mellitus”	XIII CNE on Diabetes Health	SRU	2 <sup>nd</sup> April 16
6	Prof Pankaj B Shah	“Giving student feedback”	Ramachandra Postgraduate Academic Performance Workshop	SRU	12,14,15 <sup>th</sup> September 16
7	Prof Shanthi Edward	“Questionnaire Designing”	Research Methodology Workshop	KarpagaVinaya ga Medical college, Chengalpet	21 <sup>st</sup> July 16
8	Dr. Pankaj B Shah	“Giving feedback in Medical Education”	Ramachandra Postgraduate Teaching Skills Workshop	SRMC & RI	18.8.16-20.8.16
9	Prof P.Venkatesan	Machine learning approaches for big data analysis	Career Oriented Special Invited Lectures	Department of Statistics Manonmaniam Sundaranar University	24 <sup>th</sup> Oct 16

## **2017**

S.No.	Name of Speaker	Title of guest lectures	Name of conference	Place	Year / date
1	Dr Pankaj B Shah	Qualitative research and data analysis	SYMMEDCON - Workshop on qualitative research methodology and ethics	Dept. of Physiology, SRU	04 Jan 17
2	Dr Pankaj B Shah	Bioterrorism	Public health dentistry integrated learning orientation and training PILOT 17	Faculty of Dental Science, SRU & Indian Association of Public Health Dentistry	10-12 Jan 17
3	Dr BWC Sathiyasekaran	Ethics in Public Health	National Initiative – Swachh Bharat Mission IAPSM – TamilNadu Chapter	Dept. of Community Medicine, Saveetha Medical College	30 Mar 17

4.	Dr Pankaj B Shah	Faculty	Research Methods and Data analytics in Health care using SPSS – A primer course	mediscans, Chennai	27-28/5/17
5.	Dr.L.Kannan	Speaker	R a P T S 17 – Ramachandra Postgraduate Teaching Skills Workshop	Dept of Physiology, Sri Ramachandra University, Chennai	26 <sup>th</sup> -29 <sup>th</sup> July 17
6.	Dr BWC Sathiyasekaran	Medical Writing	Sustainable Development Goals –IAPSM – Puduchery and TamilNadu –Sub Zonal Conference	Dept. of Community Medicine, Pondichery Institute of Medical Sciences, Pondichery	15 Sep 17
7.	Dr BWC Sathiyasekaran		Short Course in Biostatistics	Dept. of Biostatistics, Biostatistics Resource and Training Centre Christian Medical College, Vellore	18.4.17
8.	Dr.Anitha Rani	Cross-Sectional Studies	Empowering in Research Shiksha Series - 2	ACS Medical College, Maduravoyal	16.8.17
	Prof Pankaj B shah	C a s e Discussions – Ethics in research	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17
	Dr.B.W.C.Sathiyasekaran	National Guidelines for Biomedical Research - on Human beings as Participants – ICMR 2017 Guidelines	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17
	Prof Pankaj B shah	ICH – GCP and Indian GCP	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17
	Dr. Vanishree	Diabetes – Lifestyle or Disability	Diabetes	Mother Teresa University for postgraduate courses	27.11.17

#### 8. Guest lectures presented and chairing sessions

<b>S. No</b>	<b>Name of Author</b>	<b>Title of guest lectures</b>	<b>Name of conference</b>	<b>Place</b>	<b>Year/ date</b>	<b>National / International</b>
1	Dr Pankaj B Shah	Qualitative research and data analysis	SYMMEDCON - Workshop on qualitative research methodology and ethics	Dept. of Physiology, SRMC & RI (DU)	04 Jan 17	National
2	Dr Pankaj B Shah	Bioterrorism	Public health dentistry integrated learning orientation and training PILOT 17	Faculty of Dental Science, SRMC & RI (DU) & Indian Association of Public Health Dentistry	10 - 12 Jan 17	National
3	Dr BWC Sathiyasekaran	Ethics in Public Health	National Initiative – Swachh Bharat Mission IAPSM – TamilNadu Chapter	Dept. of Community Medicine, Saveetha Medical College	30 Mar 17	National
4	Dr Pankaj B Shah	Faculty	Research Methods and Data analytics in Health care using SPSS – A primer course	Mediscans, Chennai	27-28/5/17	National
5	Dr.L.Kannan	Speaker	RaP T S 17 – Ramachandra Postgraduate Teaching Skills Workshop	Dept of Physiology, SRMC & RI (DU), Chennai	26 <sup>th</sup> -29 <sup>th</sup> July 17	National
6	Dr BWC Sathiyasekaran	Medical Writing	Sustainable Development Goals –IAPSM – Puduchery and TamilNadu –Sub Zonal Conference	Dept. of Community Medicine, Pondichery Institute of Medical Sciences, Pondichery	15 Sep 17	National
7	Dr BWC Sathiyasekaran		Short Course in Biostatistics	Dept. of Biostatistics, Biostatistics Resource and Training Centre Christian Medical College, Vellore	18.4.17	National
8	Dr.Anitha Rani	Cross-Sectional Studies	Empowering in Research Shiksha Series - 2	ACS Medical College, Maduravoyal	16.8.17	National
9	Prof Pankaj B shah	Case Discussions – Ethics in research	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17	National

10	Dr.B.W.C.Sathiyasekaran	National Guidelines for Biomedical Research - on Human beings as Participants - ICMR 2017 Guidelines	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17	National
11	Prof Pankaj B Shah	ICH – GCP and Indian GCP	Good Clinical Practices course	SMF, Anna nagar, Chennai	24.11.17	National
12	Dr. Vanishree	Diabetes – Lifestyle or Disability	Diabetes	Mother Teresa University for postgraduate courses	27.11.17	National
13	Dr.Pankaj Shah	Medical Education	MCI Basic & advanced course	MCI SRMC Nodal Center	5 - 11 Sept 2017	National
14	Dr.Kannan	Medical Education	MCI Basic & advanced course	MCI SRMC Nodal Center	5 - 11 Sept 2017	National

#### 9. Conferences / Seminars/ CMEs/ Workshops etc., Organized:

S. No.	Name of the Organizing Chairman / Secretary	Name of the Event	Venue	Year & Date	Total number of participant
	Prof Pankaj B Shah	Geriatric Care - Geriatric Population & Primary Care Physicians & SRMC & RI (DU) Experience in Geriatric Care	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC	3.1.2017	100
	Prof Pankaj B Shah	Sensitisation Program on SPSS software for Medical Professionals	Lecture Hall VI, 4 <sup>th</sup> Floor, College block, SRMC	27.1.2017	85
	Prof.B.W.C. Sathiyasekaran & Prof Pankaj B Shah	Orientation Programme in Research Methodology and Biostatistics' - A course work for Ph.D candidates	Seminar Hall, SRMC	16.02.2017 to 17.02.2017	41
	Prof Pankaj B Shah	World Health Day Celebrations on the theme "Depression: Let's talk "	Lecture theatre 6, SRMC	7th April 2017	Over 80 students

Prof Pankaj B Shah	Orientation Programme in Research Methodology and Biostatistics' for PG Students	Seminar hall, SRMC	22.6.2017	150
Prof Pankaj B Shah	EQUINOX – Research Methodology for MBBS Undergraduate students	Seminar Hall, SRMC	5.7.2017	32
Prof.B.W.C. Sathiyasekaran & Dr Pankaj B Shah	Workshop on 'Basic Epidemiology, Statistics, SPSS and Critical Appraisal'	Seminar Hall, SRMC & RI (DU)	29.8.2017-1.9.17	90
Prof Pankaj B Shah	UG Competency based curriculum in Community Medicine	IQAC Board room III floor, College block, SRMC	11.9.2017	27
Prof Pankaj B Shah	Climate change and health	lecture hall no VI	14.11.17	250
Prof Pankaj B Shah	Global Burden of Disease Calculation	lecture hall no VI	16.11.17	25
Prof Pankaj B Shah	Case Presentation in CM for Postgraduates	CM Demo hall, II floor, SRMC	16.12.17	10
Prof Pankaj B Shah	Portfolios for PGs in CMs	CM Demo hall, II floor, SRMC	21.12.17	15
Dr.Pankaj B. Shah	MCI Basic & advanced course	MEU	5-11 Sept 2017	30















### Challenges - vector zai trahit, 2020

- Increased volatility of sectors in low-to-medium risk
- High economic growth rate in the economy
- Impact of the rise of digital technologies, mobility and automation on the economy and the labor market
- Significant increase in Environmental, Labor and Resource risks, particularly in the private sector and in the public sector
- The impact of the COVID-19 pandemic on the economy and the labor market
- The impact of the rise of digital technologies, mobility and automation on the economy and the labor market
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