

Trichy SRM Medical College Hospital and Research Centre, Irungalur, Tiruchirapalli

Institutional Research Board

Brief report of V National Workshop on Research Methodology (V WoRM 2018)

SUMMARY OF THE PROGRAMME

The **Institutional Research Board (IRB)** and **Medical Education Unit (MEU)** of **Trichy SRM Medical College Hospital and Research Centre**, Tiruchirapalli, Tamilnadu conducted a four day V National Workshop on “Research Methodology” from September 26 – 29, 2018 at the **Conference Hall** of Medical Education Unit (III floor, College Block) of the institution. The initial step was taken in the month of May 2018 after getting concurrence from the Dean and the Management and then applied for financial support from **Indian Council of Medical Research (ICMR)**, **Council of Scientific and Industrial Research (CSIR)**, **Defence Research Developmental Organization (DRDO)**, **Indian National Science Academy (INSA)** and **Indian Council for Philosophical Research (ICPR)**. Based on the proposal and the schedules of workshop, no funding agencies come forward to support this workshop. Further, it was decided to conduct the workshop with previous workshop balance amount, application processing fees and local sponsors. Forty five (45) individuals belonging to various disciplines from all over the country were participated as residential delegates for this workshop. The workshop activities were carried out successfully and thereby achieved the objectives as per the feedback received from Delegates as well as internal and external faculty not affiliated to IRB.

THEME OF THE WORKSHOP

The theme of the workshop was “*Update in Research Methodology*” and the topics selected were *Study Design and Types of study, ethical issues in research, literature collection and reviews, sampling size and determination, research paper presentations, ill effects of plagiarism, questionnaire survey and analysis, drafting research articles, statistical methods, preparation of protocol for fund raising, integrated research, stress in research environment and project report preparation.*

The major successes of the workshop are

1. Trained participants on research methods, study design & research proposal preparation.
2. Trained for proper literature collection
3. Trained them about the ethical clearance (constructing ethical committee, its functions, selection of projects, comments and certification.
4. Defined clearly about the ill effects of plagiarism.

5. Trained for the effective research paper presentations
6. Trained the participants on various research grant opportunities
7. Trained them for case study data collection and drafting.
8. Trained them for art of drafting research papers for publication.
9. Strengthened the participants in the disease-control programme by collaboration between academic / Research institutions and Industry
10. Trained the statistical methods used in medical and biological research.
11. Provided the detailed information regarding the project report preparation.

CREDIT POINTS and CREDIT HOURS

This workshop was accredited and awarded a Continuous Medical Education (CME) credit of **30 points** under category III by the Tamilnadu Dr. MGR Medical University, Chennai and **6 hours** under category III by Tamilnadu Medical Council, Chennai.

STATUS OF WORKSHOP

We organized the first National Workshop on “Research Methodology” from September 29th, 30th to October 1st 2015 sponsored by ICMR with 45 selected delegates, second workshop on Research Methodology from February 14th – 16th 2017 with 54 registered participants, third workshop on Research Methodology from 14th to 16th September 2017 sponsored by ICMR with 40 selected delegates, fourth workshop on Research methodology from March 22nd – 24th 2018 sponsored by ICMR and SERB with selected 45 delegates and fifth workshop on Research Methodology from September 26th – 29th 2018. The Institution continuously seeks to achieve the goal by educating research professionals, sharing recent knowledge, advanced methodology and advocating the highest quality in research.

Most of the institutions are lacking to train about the research methodology to their post graduates and research scholars. Thus they are struggling to carry our research activities. This workshop involved with lead lectures, presentations, problem solving sessions, hands on training and group participation.

The workshop was designed to give structured attention to the process of formulating a research question and setting up a research design. It was designed to enhance the research culture among post graduates and research scholars; and structured so as to facilitate the participants get oriented to both research methodology and statistical methods.

STATUS OF THE APPLICATION, SCRUTINIZATION AND DELEGATE SELECTION

After sending the call letters to all parts of the country, we received 65 applications from Tamilnadu (37), Puducherry (9), Andhra Pradesh (9), Karnataka (3), West Bengal (3), Maharashtra (1), New Delhi (1), Haryana (1) and Telengana (1). A team of organizing committee members were requested and appointed as scrutinizing members. Detailed and unbiased regulations were made and finalized. Based on the regulations, the selection committee members selected forty five (45) [36 external and 9 internal] eligible applications for participation.

STATUS OF DELEGATES AND PRESENTATIONS

Finally, a total of **44 delegates** registered and participated in this workshop. The registrants include teaching faculty members, research scholars, postgraduates from all medical and biological disciplines, corporate from various parts of country and faculty from host institutions etc. For all the delegates, the workshop kit comprising of a compliment bag, stationery materials, writing pad and manual book were given. The state wise delegates were depicted below

Andhrapradesh - 5	New Delhi - 1
Karnataka - 2	Puducherry - 7
West Bengal - 2	Tamilnadu - 27

A total of fifteen (15) lead lectures, eight (8) hands on training, seven (7) major activities, five (5) presentations by the delegates after the activities were completed. A separate poster display session was done by selected delegates and the same was evaluated by a gallery of 6 judges.

Before starting the programme, all the delegates were evaluated by giving pre evaluation form which is duly prepared and standardized by the organizing team. The filled forms were exclusively evaluated for understanding the knowledge, attitude and performances of the delegates, accordingly the further technical sessions may move.



INAUGURAL FUNCTION

The master of ceremony (MOC) of the traditional inaugural programme was carried out by **Dr. N. Prabhusaran**, Organizing Secretary of the Workshop. Before inauguration, the ice breaking session was conducted in order to familiarize the delegates each other and to get involved in various forthcoming activities.

Icebreaking session

Ice breaking session can be an effective way of starting a training session or workshops. As interactive and often fun sessions run before the main proceedings, they help people get to know each other. The secret of a successful icebreaking session is to keep it simple: design the session with specific objectives in mind and make sure that the session is appropriate and comfortable. The facilitators of this session are **Dr. A. Anupriya**, Assistant Professor, Microbiology and **Dr. K. Ilavenil**, Assistant Professor, Anatomy.



Enthusiastic Experts



Joyful Delegates



Friendly interactions among delegates during icebreaking session



Inauguration

The traditional inaugural function was conducted on **26th September 2018 at 10.00am** with Tamil thaivazhthu (Praising Tamil Goddess) followed by welcome address deliberated by **Dr. P. Thirumalaikolundusubramanian**, Head, Institutional Research Board and Professor of Medicine. The Indian culture of lamping five faced lamp was lighted.

Dr. A. Jesudoss, Dean and Professor of ENT presided the workshop, **Dr. S. Vinayagam**, Director (Health Sciences) and Professor & Head of Radiology delivered keynote address and **Dr. N. Balasubramanian**, Deputy Director and Professor & Head of Dermatology inaugurate the workshop.



Vice Principal Dr. P. TKS



Dean Dr. A. Jesudoss



Director Dr. S. Vinayagam



DD Dr. S. Balasubramanian



Lighting Kuthuvilakku by Institutional Authorities



Joint hands for lighting kuthuvillaku by registered delegates

A book of manual (Workshop manual) was released by the respectful Dean **Dr. A. Jesudoss** and the first copy was received by the registered delegate **Dr. Y. Lavanya**, Associate Professor of Physiology, Dr. Pinnanani Siddhartha Institute of Medical Sciences and Research Foundation, Andhrapradesh.



Releasing workshop manual by the Dean and the first copy was received by Dr. Y. Lavanya (Registered Delegate)

The nineteen (19) students who are completed the projects and certified ICMR – STS projects were honored by the Dean with certificates.



[Honoring ICMR-STs projects students by the Dean]

Dr. Anusuya, Deputy Director (IQAC) and Professor of Obstetrics and Gynecology, **Dr. S. Revwathy**, Medical Superintendent and Professor of Obstetrics and Gynecology and **Dr. P. Karthik**, Additional Medical Superintendent and Professor & Head of Surgery felicitated. Finally, vote of thanks was delivered by **Dr. M. Muhil**, Coordinator, Medical Education Unit and Associate Professor of Physiology, TSRMCH&RC.



Dr. S. Revwathy
Medical Superintendent



Dr. P. Anusuya
Deputy Director – IQAC



Dr. P. Karthik
Addl. Med. Supdt.



Dr. M. Muhil
Coordinator, MEU

SCIENTIFIC SESSIONS ON (FIRST DAY) 26th September 2018

Session 1: Keynote Address on Why Research?



The session one of the workshop was initiated as Keynote address delivered by **Dr. P. Thirumalai Kolundusubramanian**, Professor of Medicine, Head – IRB, Vice Principal and Organizing Chairperson of V WoRM 2018,

TSRMMCH&RC Trichy on the topic of Why Research?. He highlighted the two major reasons for performing research – internal drive (interest on research) and mechanism developed through teachers, friends and environment. He described the term research in his own style as “Research is the systematic collection, analysis and interpretation of data to answer a certain set of questions or to solve a problem. He also explained in a detailed manner about the various research types and its advantages and disadvantages. His talk was highly admired by the participants and induced self motivation in pursuing research.

Session 2: Study Design and study types



The second session on “Study Design and study types” was presented and described by **Dr. Deodatt M. Suryawanshi**, Associate Professor, Department of Community Medicine, Trichy SRM Medical College Hospital and Research Centre, Trichy.

He emphasized that Epidemiology is the basic science of disease prevention and plays major role in the development and evaluation of public policy as well as in social and legal arenas. His thoughts on epidemiological research described as a major role of epidemiology is to provide a clue to changes that take place over time in the health problems presenting the community.

Further He defined the important use of epidemiologic evidence is to identify subgroups in the population who are at risk for disease. Why should the researcher identify such high-risk groups? First, if one can identify these high-risk groups, then direct preventive efforts, such as screening programs for early disease detection, to populations who are most likely to benefit from any interventions that are developed for the disease. Second, if one identifies such groups, it may be able to identify the specific factors or characteristics that put them at high risk and then try to modify those factors. During the discussion about prevention, she distinguished among primary, secondary and tertiary prevention. His deliberations on incidence and prevalence rate were highly appreciated and accepted as need based in this current scenario.

Session 3: Randomized Controlled Trials

The session was deliberated by **Dr. R. Balaji**, Associate Professor of Community



Medicine, SRM Medical College Hospital and Research Centre, Kattankulathur. He highlighted the importance of differentiating qualitative and quantitative research. His presentations on in depth interviews, focus group discussion, ecological studies, case reports, case studies, case series, cross sectional study, cohort study, case control study, non randomized trial and randomized control trials. He also explained the importance of doing meta analysis that is

referred as highest clinical relevance than the *in vitro* research. He represented the role of various studies and its public domain importance and applicability.

Session 4: Hands of Training on Study design, types of study



The effective and need based session in this workshop is “Training on Epidemiological research and Study Design” was conducted by **Dr. R. Balaji**, Associate Professor, Department of Community Medicine, SRM Medical College Hospital and Research Centre, Kattankulathur, **Dr. Deodatt M. Suryawanshi**, Associate Professor, Department of Community Medicine,

Dr. K. Hemalatha, Associate Professor, Department of Community Medicine and **Dr. S. Shankar**, Assistant Professor, Department of Community Medicine, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli. Their deliberations overviewed with methods of doing epidemiology, tools applied, steps necessarily followed for epidemiological survey. They also described and provided hands on training to the participants in four major quantification descriptors.



1. **Numbers:** Use of actual number of events - e.g. 100 cases of TB in community A
2. **Ratios:** Quantifies the magnitude of one occurrence X, in relation to another event Y as X/Y - e.g. Ratio of TB cases in community A to B is 1:10
3. **Proportions:** Proportions: a ratio in which the numerator is included in the denominator - e.g. proportion of TB cases in community A is 10%
4. **Rates:** a proportion with time element. It measure the occurrence of an event overtime



The delegates were grouped in to two categories according to their field of concern and handed over to the respective faculty experts for train

them for Epidemiological Research and Study design.



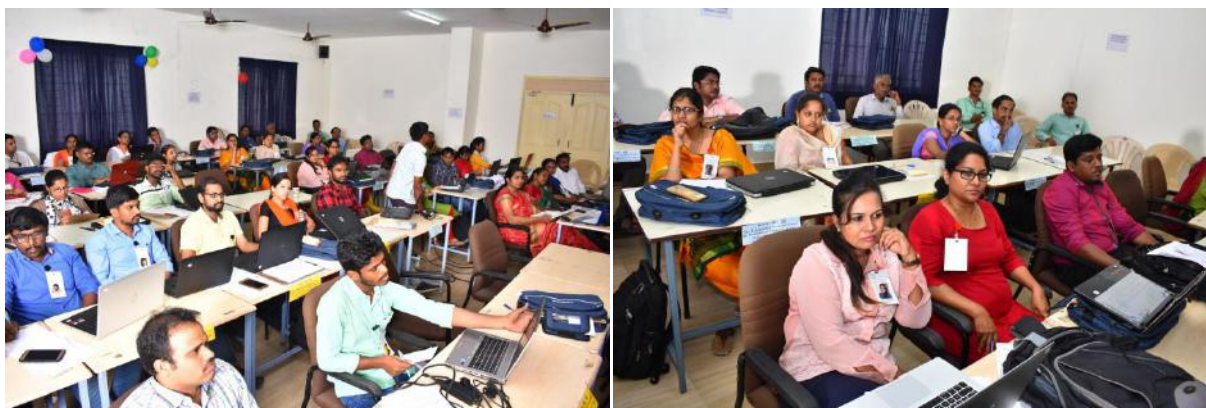
Session 5: Literature collection and management

This session was deliberated by **Dr. M. Anbarasi**, Associate Professor of Physiology, Dhanalaskhmi Srinivasan Medical College and Hospital, Perambalur. She highlighted the importance of empirical research in the health sciences can be qualitative or

quantitative in nature. Generally, health science research deals with information of a quantitative nature, and this manual deals exclusively with this type of research. For the most part, this involves the identification of the population of interest, the characteristics (variables) of the individuals (units) in the population, and the study of the variability of these characteristics among the individuals in the population. Thus the quantification in empirical research is achieved by three related numerical procedures: (a) measurement of variables; (b) estimation of population parameters (parameters of the probability distribution that captures the variability of observations in the population); and (c) statistical testing of hypotheses, or estimating the extent to which ‘chance’ alone may account for the variation among the individuals or groups under observation.

Session 6: Hands on training on “How to collect Literature”

All the registered delegates were grouped in to nine categories according to their field of concern and handed over to the respective faculty experts for train them to collect literature.



Broad exercises in various topics related to literature collection and review were given to the delegates as post workshop activity. The day 1 was completed with distribution of two activities as post day 1 workshop activity.

1. Evaluate and describe the types of study of the given data
2. Literature collection and reviewing

At the end of the primary evaluation of the day 1, all the delegates were taken to local visit at Tiruchirapalli. The place visited was Thiruvanaika Akilandeewari temple.



SCIENTIFIC SESSIONS ON (SECOND DAY) 27th September 2018

Before the initiation of the second day sessions, a thirty minutes yoga practice was given to all delegates followed by breakfast.



Review and Feedback of day 1 activities and exercises

The group-wise review of the day 1 activity was conducted by **Dr. S. Elango**, Professor and Head of Community Medicine, **Dr. Deodatt M. Suryawanshi**, Associate Professor of Community Medicine and **Dr. S. Shankar**, Assistant Professor of Community Medicine, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli regarding the study design and types of study.

The small group discussion was carried out by which the information disseminated among the groups were identified, doubts were clarified and added points were discussed.



The review and analysis of the exercises given to the delegates regarding literature collection was reviewed and analyzed by **Dr. A. Sundhararajan**. Further, the tips of collecting the literature in a smarter and quick way were discussed. All the exercises submitted by the delegates were documented.



Session 7: Human Ethical issues



The informative and updated information about Human Ethical issues was deliberated by **Dr. E. Kamala**, Assistant Professor of Anatomy, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli. She highlighted the integrated role of philosophers, lawyers, policy makers, scientists and clinicians in conducting the biomedical research involving human participants without any ethical and legal issues. She described in detail about the construction of the human ethical committee in the institutions and also highlighted the individual's responsibilities in approving the research on human subjects.

She orderly described the receipt of proposals, processing, presentations, critical commenting, criteria for acceptance/ revision/ rejection of the proposals and certification. She also described the importance of consent form (in English and vernacular language), model questionnaire for survey study. The need of case study proforma also defined. The hands on training given to the delegates related to human ethics are well planned and executed.

Session 8: Sample size techniques and determination



Dr. D. Rock Britto, Assistant Professor of Community Medicine and **Dr. M. Tamilarasan**, Assistant Professor of Community Medicine, Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur were the Guest speakers and trainers of this session. Their descriptions on probability and non probability samples were well analyzed. The variance in probability methods including random sampling, systemic sampling, cluster sampling and stratified sampling; the observations in the variance of judgment sampling, convenience sampling and quotes sampling were also highlighted. They defined the identification of sampling errors occurred during data collection as a result of drawing a portion of population as a sample rather than the whole population. Their presentations with detailed descriptions, mathematical formulae and modulations and identification of significance levels are awesome.



The hands on training on Sample size determination were conducted by **Dr. D. Rock Britto** and **Dr. M. Tamilarasan** with the detailed description of the algorithm to model and predict a classifier's performance contains three steps including learning curve creation, model fitting and sample size prediction.



Session 9: An overview of Statistics – SPSS (phase 1)

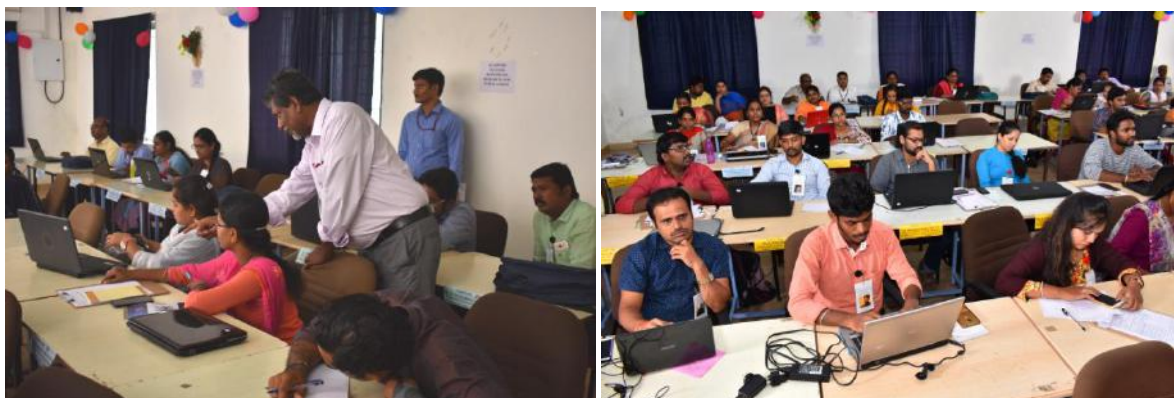


This session was lead by **Dr. R. Muthukrishnan**, Associate Professor of Statistics, Bharathiar University, Coimbatore. He categorized the statistical tests into two namely descriptive and parametric. Non parametric statistical tests are also described for ordinal variables. He described different types of statistical tests including test of relationship, test of group

differences, test for repeated measures and test for odds/risks. Other common statistical tests he defined are Pearson R correlation, Linear/ Multiple regression, Independent t test, ANOVA and Dependent t test.

Session 10: Training on Data management using SPSS

After the detailed theoretical description about the Application of Statistics by **Dr. R. Muthukrishnan** and **Mr. M. Pandi**, delegates were grouped into three groups and encourage them to perform statistics using SPSS trial package by providing already analyzed data.



Detailed exercises in various topics related to Sample size determination and Statistics were given to the delegates as post workshop activity in the end of the day 2.

SCIENTIFIC SESSIONS ON (THIRD DAY) 24th March 2018

Before the initiation of the third day sessions, a thirty minutes yoga practice was given to all delegates followed by breakfast.

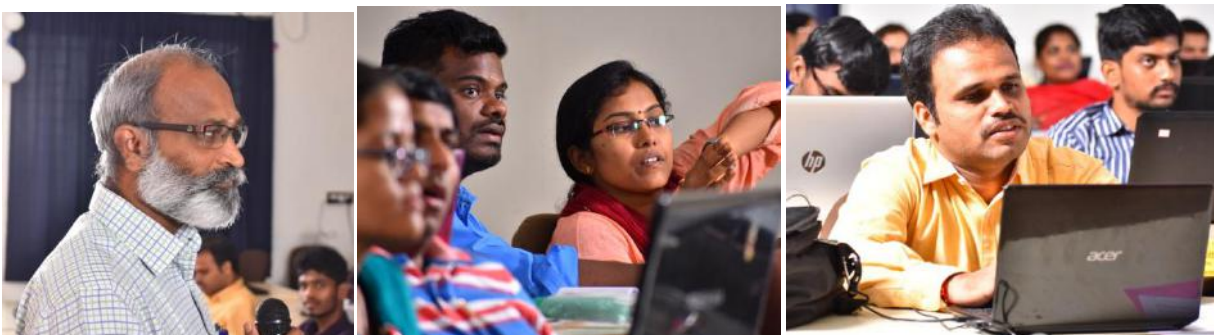


Review and Feedback of day 2 activities and exercises

The group-wise review of the day 2 activity was conducted by **Dr. S. Shankar**, Assistant Professor of Community Medicine, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli regarding the Sampling size and its determination. The small group discussion was carried out by which the information disseminated among the groups were identified, doubts were clarified and added points were discussed.

Session 11: An overview of Statistics – SPSS (phase 2)

The phase 2 session and activities related to statistics was continued and the experts are **Dr. R. Muthukrishnan**, Associate Professor, Department of Statistics, Bharathiar University, Coimbatore and **Mr. M. Ismail**, Research Coordinator and Professor of Medical Entomology. The theory cum hands on training was given all delegates and individual attention was seek for the delegates.



Session 12: Questionnaire survey – an overview



The technical session on Questionnaire survey was initiated by **Dr. K. Ilavenil**, Tutor in Anatomy, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli. She defined that the questionnaires are usually paper-and-pencil instruments that the respondent completes. Interviews are completed by the interviewer based on the respondent says. Sometimes, it's hard to tell the difference between a questionnaire and an interview. For instance, some people think that questionnaires always ask short closed-ended questions while interviews always ask broad open-ended ones. But mostly the questionnaires are with open-ended questions (although they do tend to be shorter than in interviews) and there will often be a series of closed-ended questions asked in an interview.

She also highlighted the advantages (practical, collection of huge information, less affect to reliability, easy to analyze and may create new theories) and disadvantages (lacks validity, no way to predict the truth information and deceptive understanding) of questionnaires. Further the delegates were divided into three groups and trained for the preparation of questionnaires under the guideships of **Dr. K. Ilavanil**, **Mr. M. Ismail** and **Dr. K. Hemalatha**.



Session 13: Research Paper presentations



The twelfth session was described and presented by **Dr. N. Prabhusaran**, Associate Professor of Microbiology and Research, TSRMMCH&RC about effective research paper presentations. He described an oral research presentation is meant to showcase the research findings and the effective oral presentations should communicate the importance of your research, clearly state

finding and the analysis of those findings and prompt others in the academic community to ask questions and give the valuable feedback that could further, and strengthen the research. He also highlighted the role of font size, color, background, number of words and lines in the slide, pictures, graphs, tables and references. His deliberation on the understanding of importance of the nature and mood of the audience, presenter's body language, confidence in presentation, boldness to face interactions and comments, and attractive templates attract the audience to follow in their future presentations.

Session 14: Plagiarism and its ill effects



The twelfth session was described and presented by **Mr. M. Ismail**, Research Coordinator and Professor of Research, TSRMMCH&RC about different dimensional aspects including plagiarism and its ill effects. He described how serious the problem is? Types of plagiarism, what made the scholars to do plagiary, etc. His demonstration about the rationale of academic integrity makes the audience not to do plagiarism in future. He defined various cases

registered towards the plagiarism in India and nearby countries. His explanation regarding the quoting, paraphrasing and summarizing makes the participants very clear about the citation, referencing and acknowledgements. He highlighted the mistakes made by the research guides for their improper evaluation of the write-ups and sometimes the guides are also motivating the

scholars to do copy and paste. The history of the scientific writings and its modern method of observations made the participants more comfortable in criticizing the published articles that are much useful as the literature of review.

Session 15: Preparation of research protocol for fund raising



The highlighted and imperative session on preparation of research protocol for fund raising was deliberated by **Dr. A. Sundhararajan**, Assistant Professor of Biochemistry and Research, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli. He described the eligibility criteria of applying documents and proforma to funding agencies. His deliberations on action plans for the elaboration of a strategic plan for research and fund raising were highly admired by the delegates. His presentations on sources of funds, determine the priorities and selection process, concept development and execution, writing skills, budget and schedule, getting feedback and revision process. He also listed out various funding agencies available in India and other countries with their thrust areas of research. His deliberations on preparation of the simplified budget with sub divisions make the participants comfortable and feasible.

Further, the delegates were divided into four groups under each mentor for an exercise related to fund raising with detailed budget preparation was given to all participants and the answers were evaluated, compared, reviewed, analyzed and documented on the same day.

SCIENTIFIC SESSIONS ON (FOURTH DAY) 29th SEPTEMBER 2018

Before the initiation of the fourth day sessions, a thirty minutes yoga practice was given to all delegates followed by breakfast.



Review and Feedback of day 3 activities and exercises

The group-wise review of the day 3 activity was conducted by **Dr. A. Sundhararajan**, Assistant Professor of Biochemistry and Research, Trichy SRM Medical College Hospital and Research Centre, Tiruchirapalli regarding the Fund raising and **Mr. M. Ismail** discussed about Plagiarism. The small group discussion was carried out by which the information disseminated among the groups were identified, doubts were clarified and added points were discussed.

Session 16: Art of Drafting research article



The day 2 technical sessions was initiated by **Dr. T.S. Gugapriya**, Additional Professor of Anatomy, All India Institute of Medical Sciences (AIIMS), Nagpur on “Art of drafting research article”. She highlighted the differences good and bad articles. Her description on identification of descriptive and non descriptive data for publication was highly commendable. She also described various steps involved

in preparing a manuscript including, abstract, key words, introduction, materials and methods, results, discussion, conclusion, acknowledgement and references. Her definition and examples on structured and non-structured are highly useful for the beginners and researchers to prepare and modify manuscripts respectively.

She also described in detail about the structure of rough drafts, corrections, multi eye observations and final draft preparation. The importance of detecting the level of plagiarism and its corrections also defined well in this session thereby the delegates collected need based informations.

Session 17: Project report preparation



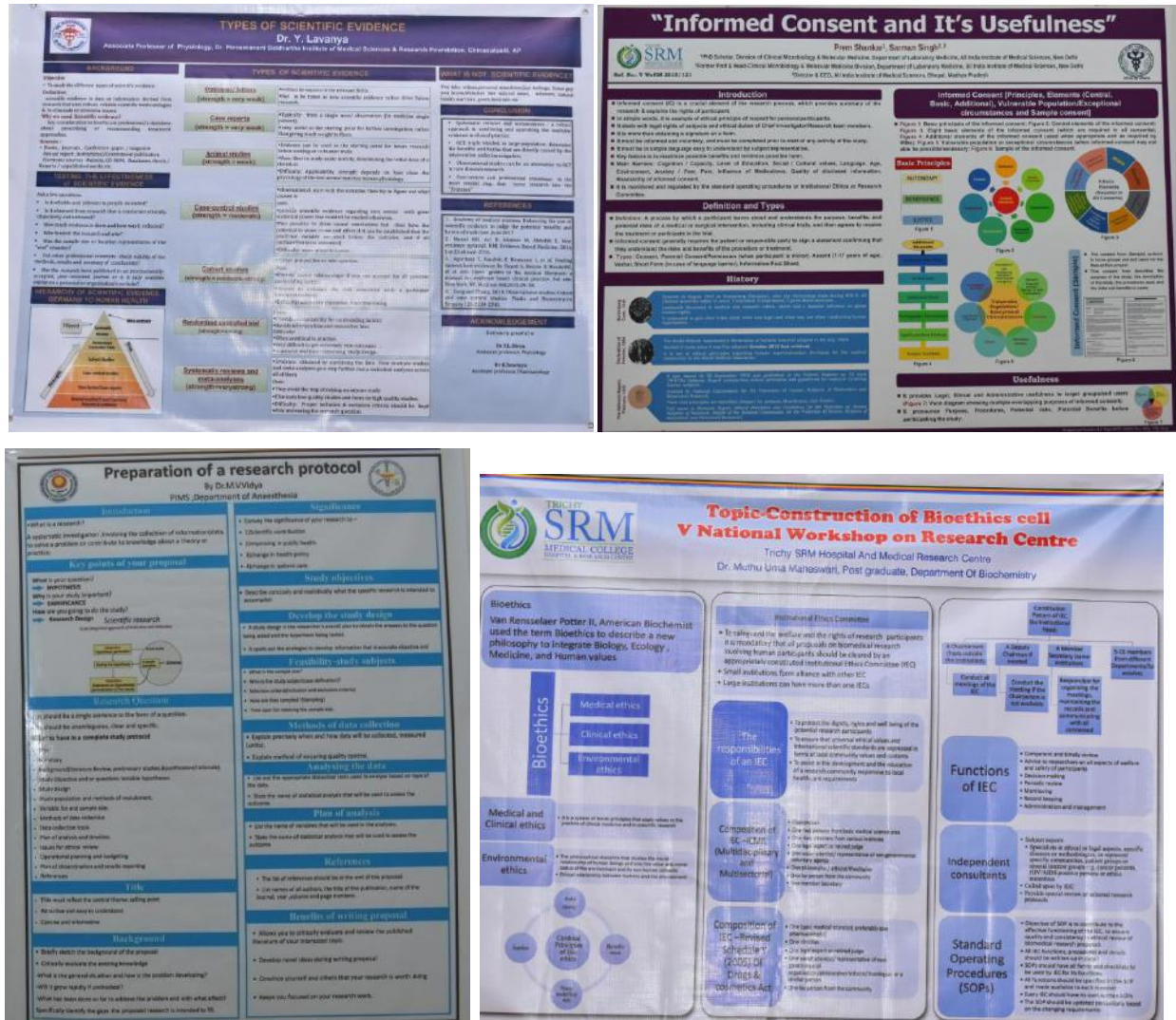
The project report preparation was the final and conclusionary presentation in the three day workshop. The expert was **Dr. Santham Sweet Rose**, Professor and Principal, SRM Trichy Nursing College, Tiruchirapalli. She highlighted the importance of project report by which the data in organized, systematic and attractive manner was expected. The report provides factual base for formulating policies and strategies related

to the discipline. She described in detail about various types of reports including technical report,

popular reports, interim reports and summary report. She also defined the importance of systematic references and further study recommendations.

POSTER PRESENTATION

All the registered delegates are asked to prepare posters in the topic given and are displayed in the workshop venue. Out of them 43 delegates displayed their posters. The posters were evaluated by 6 different and independent judges thereby top 5 posters were selected for best poster award.



VALEDICTORY PROGRAMME

The valedictory programme was started by 01.30pm on 29th September 2018. **Dr. A. Jesudoss**, Dean was the valedictory chief for delivering valedictory address and prize distribution for the best posters and other activities. Among the 45 registered delegates, four volunteers gave open feedback.



Welcome Address by Dr. A. Sundhararajan



Honoring Dr. A. Anupriya (Special Invitee)



Valedictory Address by the Dean Dr. A. Jesudoss



Honoring the organizing team



Dean's words and expressions








Gallery of Delegates

My Best mentee Awards

Mentor	Best Mentee	Photograph
Dr. N. Prabhusaran Organizing Secretary	Ms. R. Jamuna Rani Apollo College of Nursing, Chennai	 A photograph showing three people on a stage. On the left, a man in a dark blue shirt (Dr. N. Prabhusaran) is handing a framed certificate to a woman in an orange saree (Ms. R. Jamuna Rani). In the center, an older man in a white lab coat and blue tie is also holding the certificate. The background features banners for 'JSSM CENTRE MYSURU' and 'TRIGI HOSPITAL BANGALORE'.
Dr. A. Sundhararajan Jt. Org. Secretary	Mr. D. Balakrishna Narayana Medical College, Nellore, Andhrapradesh	 A photograph showing three people on a stage. On the left, a man in a light grey patterned shirt (Dr. A. Sundhararajan) is handing a framed certificate to a man in a white shirt (Mr. D. Balakrishna). In the center, an older man in a white lab coat and blue tie is also holding the certificate. The background features a banner for 'DU'.
Dr. G. Bala Maddileti Organizing Member	Ms. D. Sasikala Apollo College of Nursing, Chennai	 A photograph showing three people on a stage. On the left, a woman in a green and yellow patterned saree (Dr. G. Bala Maddileti) is handing a framed certificate to a woman in a green and yellow patterned saree (Ms. D. Sasikala). In the center, an older man in a white lab coat and blue tie is also holding the certificate. The background features a banner for 'INADU'.
Dr. K. Hemalatha Organizing Member	Ms. V. Uma Maheshwari Nallal, Mother Teresa University, Kodaikanal	 A photograph showing three people on a stage. On the left, a woman in a black and white patterned saree (Dr. K. Hemalatha) is handing a framed certificate to a woman in a black and white patterned saree (Ms. V. Uma Maheshwari). In the center, an older man in a white lab coat and blue tie is also holding the certificate. The background features a banner for 'INADU'.

<p>Dr. R. Saraswathi Organizing Member</p>	<p>Mr. R. Sethu Nagarajan The American College, Madurai</p>	
<p>Dr.K. Kanagasanthosh Organizing Member</p>	<p>Mr.A. Lakshminarayanan Meenakshi Ammal Dental College, Chennai</p>	
<p>Dr. Ronald J. Bosco Organizing Member</p>	<p>Ms. K. Sofia Revathy Sarah Turker College Tirunelveli</p>	
<p>Dr. K. Ilavenil Organizing Member</p>	<p>Dr. P. Pushyami Dr. Pinnamaneni Siddhartha Institute of medical Sciences and Research Foundation, Andhra Pradesh</p>	
<p>Dr. L. Manivannan Organizing Member</p>	<p>Ms. Indrani Biswas CIDRF, MGMCH&RI, Puducherry</p>	

Best Poster Awards

Name and Affiliation	Poster	Photograph
Dr. M.V. Vidya Pondicherry Institute of Medical Sciences, Puducherry	Preparation of Research Protocol	
Dr. Y. Lavanya Dr. Pinnamaneni Siddhartha Institute of medical Sciences and Research Foundation, Andhra Pradesh	Types of Scientific Evidence	
Dr. M. Muthu Maheshwari , Trichy SRM Medical College Hospital Research Centre, Tiruchriapalli	Construction of Bioethics cell	
Mr. Prem Shankar Mishra , All India Institute of Medical Sciences, New Delhi	Informed Consent and its usefulness	
Ms. U. Urmila Southern Railway Head Quarters Hospital, Chennai	Types of Epidemiological Study	

Best Activity Performer Awards (Study Design and Types of Study)



Dr. Y. Lavanya,
Dr. Pinnamaneni Siddhartha Institute of
Medical Sciences and Research Foundation,
Andhra Pradesh

Ms. R. Jamuna Rani
Apollo College of Nursing,
Chennai



Best Activity Performer Awards (Literature collection session)



Dr. P. Pushyami,
Dr. Pinnamaneni Siddhartha Institute of
Medical Sciences and Research Foundation,
Andhra Pradesh

Mr. D. Balakrishna
Narayana Medical College,
Nellore, Andhra Pradesh



Best Activity Performer Awards (Questionnaire study session)



Dr. Umapathy Sembian,
Trichy SRM Medical College Hospital
Research Centre, Tiruchirapalli

Mr. R. Praveen Kumar,
Pondicherry University
Puducherry



Best Activity Performer Awards (Statistics session)



Mr. Mizoram Varigeti,
IQ City Medical College,
West Bengal

Ms. K.S. Pragathi,
Periyar College of Pharmaceutical
Sciences, Tiruchirapalli



Best Activity Performer Awards (Fund Raising session)



Mr. Prem Shankar Mishra,
All India Institute of Medical
Sciences, New Delhi

Mr. A. Lakshminarayanan,
Meenakshi Ammal Dental
College, Chennai



Best Activity Performer Awards (Drafting Research Article session)



Ms. Indrani Biswas,
CIDRF, Mahatma Gandhi
Medical College, Puducherry

Mr. D. Balakrishna,
Narayana Medical College,
Nellore, Andhra Pradesh



Special Awards

Innovative Thinker of V WoRM 2018



Ms. R. Jamuna Rani
Apollo College of Nursing, Chennai

Best Participant of V WoRM 2018



Mr. D. Balakrishna
Narayana Medical College, Andhra Pradesh

The valedictory programme came to the end by 02.15pm on 29th September 2018. The four day workshop came to a close with vote of thanks proposed by **Dr. N. Prabhusaran**, the Organizing Secretary, V WoRM 2018. All the delegates were distributed with their workshop manual, travel allowances (TA) and attendance certificate.