SOFT SKILLS 2018 - 2020

SOFT SKILLS – COMPUTER ASSISTED RESEARCH SKILLS

PAPER XXII - MCP / SS / 307 – RECORD COURSE   CREDITS 2

Objective:

1. To have hands on training on state of the art technology developments in research.

Unit I: Basics in Research methodology -variable, data format, coding, measurement, research questions, hypothesis, statistics, interpretation, discussion. Computers - operating system, on-line off-line usage, scope and utilities in every stages of research. On-line data base Psy-INFO Direct

Unit II: Fundamentals of Using SPSS - Introduction to what SPSS can do, Descriptive information and statistics, An overview of statistical tests in SPSS , Exploring data with graphics, Reading Raw Data into SPSS, Input of raw data into SPSS, Input of data directly into the SPSS Data Editor.

Unit III: Basic Data Management in SPSS - Creating and recoding variables, Using SPSS functions for making/recoding variables, Sub setting variables and observations, Analysis of a subset of a data .Labeling and documenting data, SORT and SPLIT BY, Missing data in SPSS.

Unit IV: Data Analysis: Exploratory data analysis: scale data, Probability and inferential statistics, Comparing categorical variables, Mean differences between groups: "t" test, ANOVA, Introduction to regression, Creating and editing graphs and charts.

Unit V: Interpretation and presentation: Prepare the report on statistical data analysis in the appropriate formats, Use the related software (Word, Excel) as an additional tool for preparing a good report.

Dr.Ramakrishnan Muthuvel

Date of Birth: 01-06-1971

INDIAN Citizen

Old no21, New no33,Kalaimagal nagar 2nd street

Ekkatuthankkal

Chennai - 600032

Phone : 9444136159

Email: Dr.R.Muthuvel@gmail.com

CAREER OBJECTIVE

A Global-Village researcher applying Psychology to serve the society with an institution identity.

- Applying scientific psychological principles for personality development of individuals, human resource development in organizational environment.
- Training youth for effective work skills.
- Counseling for easing of labor and management challenges.
- Providing empirical based research solutions for efficient business strategies.
- Bringing out the perfect blend of Science and Technology in behavioral solutions.

CORE SKILLS

- Psychometrician
- Cyber Psychologist
- Techno-research methodologist (social sciences)
  Deployed multivariate researches using SPSS (Statistical Package for Social Science), Data entry station, Production faculty, STATSTICA and SAS
- Social analyst
- Consultancy – behavioral research projects/social change programs
- Implementationist

EDUCATIONAL QUALIFICATION

- Doctor of Philosophy (Ph.D) in Psychology at the Department of Psychology University of Madras. The research work titled "Relationship between Personality development and Attitude of Internet users".

- Master of Art (Applied Psychology and Psychological Services – specialization Organizational Behavior) University of Madras, Chennai.

- Bachelor of Arts - Psychology, Presidency College, Chennai.

EXPERIENCE

Twenty years combined experience in Psychology.

Psychometry

Developed and Standardized numerous research tools – both psychometric and non - psychometric working with Professional researchers, Doctoral and Pre -Doctoral Researchers and Post Graduates since 1997(more than 1000 PG level students, 100 M.Phil level Research Scholars and 20 Ph.D Research Scholars). Have also worked in areas such as review collection, developing research designs, statistical analysis and report writing. Broad disciplines worked are Psychology, criminology, Management, Education (including adult and continuing education), Social work and Medical and Para-medical.

Cyber Psychology

Specialized in behavioral dynamics of net-citizens. Studied the complexities of virtual world in terms of personality issues, attitude factors and e-commerce during the research conducted over four years as part of the doctoral work.

Techno-Research Methodologist (Social Sciences)

Have worked in numerous assignments to source, collect and streamline the scientific data using online databases (such as Psych-articles, Psychinfo and others). Developed designs for various researches applying techno related concepts (such as online survey). Applied, various statistical software to analyze the data generated from various researches. Used various infotech tools (such as text viewer, graphic analyzer etc.,) for delivering the results in forms such as online, real-time, CD mode etc.

Social analyst

Can analyze changing trend in social setting and develop appropriate intervention programs to alleviate the deviances using concepts from "person perception'. Conceptualized and implemented numerous social researches and programs towards sensitization, attitude change, goal orientation among others. A catalyst in social re-engineering

Consultancy – behavioral research projects/social change programs

- Have been consultant and resource person for numerous organizations involved in both social and educational programs at various levels. Several times engaged by **Pwc-Price water house consultancy and cms – Catalyst management consultant**

Implementationist

Have conducted various programs in areas of education and community development.

CONTINUOUS KNOWLEDGE UPDATION ACTIVITIES

Participate and present papers/lectures in International, National and Regional Professional conferences , seminars and workshops in the field of Psychology like Psychometry, Research Methodology, Personal Development, Social Analysis and Business Management services.

PROFESSIONAL ACCOMPOLISHMENTS.

Presently, doing freelance consultation and analysis in India for Gov and non-Gov agencies in the areas listed above

Research Fellow at Singapore prison Services. From 2006 –2007
Instrumental to all staff and inmate research

worked as "Teaching cum Research Fellow" and Guest lecturer at Dept of Psychology, University of Madras. From 2004 – 2006

Teaching Organisational Behavior, Research Methodology and Research statistics for MSC Human Resource Development Psychology Students and coordinate all research activity of the department.

IIT- Indian Institute of Technology Madras (April and May 2008)

Conducted special lecture and training in research methodology and Data analysis with SPSS for the research scholars of Department Of Management

UICIC-UNIVERSITY INDUSTRY COMMUNITY INTERACTION CENTRE.

PROJECT NO:1
Vocational interest choice questionnaire development competency correlates among college students.
Nature of job: Data analysis and norm development.

PROJECT NO:2
Development Of Behavioral predictor inventory for entry-level assessment standardization and validation.

- Developing research methods,
- Data compiling,
- Sample selection,
- Analysis and interpretation,
- Research Documentation.

DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF MADRAS.

i.   Worked in steering committee for organizing regional level conference on human resource information systems. (2nd and 3rd Nov 2001)

i.   Steering committee member for golden jubilee national conference-HRD Winning The Talent War (27th and 28th Jan 2003)

i.   Assisted resource person, Prof.Dr.P.Ramarao for a workshop on research in psychology 'Methodological Perspectives'. (6th, 7th and 8th Jan 2004)
     Also prepared a workbook for the same with Prof.Dr.S.Parvathi.

i.   Given lectures and training in SPSS(Statistical package for social sciences)for Master students at the university, psychology department. (2002-2003)

UGC-ACADEMIC STAFF COLLEGE
UNIVERSITY OF MADRAS.
   (2003-2004)

Resource person: Handled several sessions on research methodology in social science. Emphasizing much on- Incorporation of Technological Advancement in social sciences Themes under sessions were: -

i.   Research communication and Documentation,
i.   Net based review collection,
i.   Computerized data collection,
i.   Computerized data analysis using software such as;
- SPSS,
- STATISTICA,
- MINITAB.

WCC- WOMEN'S CHRISTIAN COLLEGE,Chennai.
                    (2002-2004)
GUEST FACULTY
For two batches –masters and M.Phil scholars, conducted 25 hours of special lecture and training in research methodology and SPSS.

FREE CAREER COUNSELLING FOR 10TH AND +2 FAILED STUDENTS.

Year 2001: Conceived and conducted the programme at Stella Maris College, Chennai,

Year 2002: Conducted the programme with NSS (National service scheme) at Presidency College,Chennai,

Year 2003: Conducted the programme jointly with NSS at Ethiraj College, Chennai.
 A Handbook 'Kadinam Ellammal Karpathe Yeppadi (How to learn without Hardship)was released by the **Rev.Dr.Ignas Muthu**, Vice Chancellor, University of Madras.

Year2004: Together with NSS organized the programme at New College. Published a Handbook named –Vettriyae unne Vilayenne (Success, what is your price?); prefaced by **Prof.Dr.S.P.Thyagarajan**, Vice Chancellor, University of Madras.

WHO-Cancer Institute, Tobacco Cessation Clinic
Co- coordinated the fallowing
  i.   World No Tobacco Day Rally on 'Tobacco Free Sports'– May 2002
  i.   Inauguration of the 'Tobacco free Association'– November 2002
  i.   Workshop for 'Establishment of Tobacco Cessation Sub centers' at Cancer Institute – Feb 2003
  i.   World No Tobacco Day cultural programme on 'Tobacco Free Films and Fashion' –June2003.
  i.   Workshop on 'Tobacco and Poverty' for police Boys Clubs – May 2004.
  i.   World No Tobacco Day programme on "Tobacco and Poverty" – June 2004. Has co-ordinated then function in many major areas all over Chennai city,over a period of 15 days.
  i.   Co-author of publication on 'Demographic Predictors of Tobacco Cessation'.

i. Co-author of publication on 'Psycho-social Predictors of Tobacco Cessation'

DIABETES RESEARCH CENTRE
Resource faculty:

- WHO- collaborating center for research education and training in diabetes- DRC (Diabetes research center)- world diabetes foundation project for training doctors and paramedical staff in diabetes health care.
- Accompanied Prof.Dr.Ramarao and Prof.Dr.S.Parvathi for conducting sessions in lifestyle modification and counseling skills.
- Developed a 'snake and ladder game' for lifestyle modification. Also, developed a 'psycho-feed back calendar' for counseling.

UNIQUE-An NGO for psychological research and development
As Patron of the organization. Has conducted various programmes for the promotion of psychological research.

- Career options in psychology for school students,
- Various social awareness programmes in city slums and suburbs,
- Personality development programmes for college students,
- Employee training programs for corporate
- Management consultations on soft skills development

(Dr.Ramakrishnan Muthuvel)

Research " A Systematic scientific enquiry" The Soft skill workshop had started with Re-orient the students on Research methodology. . The basic concepts of research methodology were discussed. The significance of every stage of research right from Identify the Problem, Review the Literature, Development of Hypothesis, Research design, Sampling design, collection of data, Analysis of data, Hypothesis testing, Generalization and interpretation, discussion of findings, Limitations of the study, suggestion for further research and Preparation of the report of the thesis were detailed, A special reference made on Variable, measurement scale variables role in the research.

As the students understanding on research methodology is good and more than the expected level for learning spss, a brief introduction on the development of SPSS software and its different versions were discussed. The usability, scope and future demand of SPSS Skills were detailed.

SPSS software was opened in the respective Students laptops. The basic configuration, outline, design and arrangement of SPSS Data editor data view and variable view were detailed. Students evolved a model research topic with few psychological study variables along with demographical variables for the effective learning and understanding in

SPSS. The variable in the model were entered in the SPSS by the students along with the deliberation on the alternative option available in SPSS on variable name, label, coding, , values, value labels, measurement and rolls. After saving the variables in spss students entered dummy data for all variables in the data editor.

The options available in spss for examinations of data and Data entry errors were detailed, and then students carried out in spss. Similarly The options available in spss for legitimate data modification, transformation were detailed, and then students carried out in spss. The functions of explore, frequency, compute variable, recode in to different and same variable were familiarized. A assignment was given to students on performing these functions and submit the data and output files through mail.
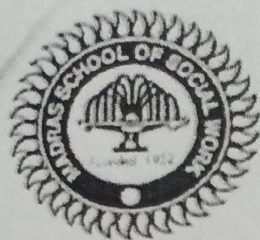
Hypotheses were formulated by the students on the model data and then testing was carried out in spss using appropriate statistic tests. The statistical test that were performed are Descriptive Statistics independent and paired T-tests, bivariate and partial correlation, Reliability tests, ONE WAY ANOVA and post-hoc, ANCOVA,MANOVA, Nonparametric Crosstabs, chi square test analysis and Graphs. While running the test all the important desertion points of output table, interpretation of the results, significance value, reporting and design of the table were

discussed appropriately. Regression and Factor Analysis were demonstrated to build confident among students on their future use.

With the results the preparation of report in APA style were discussed with APA publication manual sixth edition. The advancement and advantage of Computer operating system and services like on-line and off-line usage, scope and utilities in every stages of research were detailed. On-line data bases Psyc-INFO, Psyc- articles, Psyc-NET, Social Psychology Network were explored.

In the end session the brief recap of the workshop was detailed and the SPSS handy utility functions like import data from other database like xl, savaging data on other data base format, exporting the output file on other format (world, power point and html), Editing the chart (changing colour, size 2D to 3D) were embraced.

A assignment was given to students on performing Analysis and output utility functions and submit the data and output files through mail along with a report on learning from SOFT SKILLS work shop

Register No	Student Name	Attendance			
1815782051001	AARTHY S	P	P	P	P
1815782051002	AISWARYA S	P	P	P	P
1815782051003	AMRUTHA R	P	P	P	P
1815782051004	APOORVA K	P	P	P	P
1815782051005	ATCHAYA S	P	P	P	P
1815782051006	BARGAVI G	P	P	P	P
1815782051007	DOLLY	P	P	P	P
1815782051008	JANANI G	P	P	P	P
1815782051009	KAAVIYA R	P	P	P	P
1815782051010	KATHRIN GOLDA J	P	P	P	P
1815782051011	LAKSHMI PRIYA TG	P	P	P	P
1815782051012	LOKESH S	P	P	P	P
1815782051013	MONICA R	P	P	P	P
1815782051014	NIWETHA H	P	P	P	P
1815782051015	PRIYADARSHINI KARUNAKARAN	P	P	P	P
1815782051016	RANJANI R	P	P	P	P
1815782051017	REVATHI SHREE R	P	P	P	P
1815782051018	SANKAVI S K	P	P	P	P
1815782051019	SHARON R	P	P	P	P
1815782051021	SUBATHRA EKAMBARAM	P	P	P	P
1815782051022	SURYA PRABHA V	P	P	/	P
1815782051023	SWATHI C	P	P	P	P
1815782051024	THAARASRI M A	P	P	P	P
1815782051025	VIJAYALAKSHMI V	P	P	P	P
1815782051026	YASHITA K JAIN	P	P	P	P
1815782051027	CHANDRASEKAR V	P	P	P	P
1815782051028	GAYATHRI R	P	P	P	P
1815782051029	SOWMYA D	P	P	P	P

Faculty Co-ordinator

Head of the Department
Department of Counselling Psychology
Madras School of Social work
32, Casa Major Road
Egmore, Chennai - 600 008.