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SRI SATYA SAI UNIVERSITY OF TECHNOLOGY AND MEDICAL SCIENCES

BOARD OF STUDIES MEETING(BOS) & SYLLABUS

Department/Program- Education/PhD

2017-18 TO 2021-22

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(Minutes of Board of Studies Committee Meeting)

Name of Department: Education

Minutes of Board of Studies Committee Meeting Held on Dated: 07.04.2021

The Board of studies Committee Meeting was held in the room of Dean (Education) at 1:30 PM on 30.03.2021 Following members were present.

1. Dr. S.K. Ray (External Member)
2. Dr. Yasmeen Gani Khan (External Member)
3. Dr. Minakshi Pathak (Dean Education)
4. Dr. Kanchan Shrivastava (Member)
5. Dr. Rishikesh Yadav (Member)
6. Dr. Dhiraj Shinde (Member)

S.K. Ray
Yasmeen

Minakshi Pathak

Kanchan Shrivastava

Rishikesh Yadav

Dhiraj Shinde

The Chairman of Board of Studies Committee welcomes and appreciated of efforts put up by the faculty for progress of the departmental activities. The following agenda points were discussed and resolved.

Agenda 1. The revision of the syllabus of Ph.d course work I & II Education.

Discussion : Discussed by the members of the Board of Studies. In which it is disused that in programmes Ph.d Education changes are incorporated with the Syllabus of first will changed subject portion would be revised and second semester will included as per concern of scholars. The maximum contents of the revised syllabus have been taken from the syllabus published by Madhya Pradesh Higher Education from time to time

Resolution:-It is resolved that the revised syllabus were discussed and recommended for implementation from academic session 2021-2022 for the Ph.d. Education students admitted in session 2021-2022 Minutes of the meeting may be placed before the academic council for approval.

Chairman thanks the members for peaceful conduction of meeting.



[Signature]

Registrar
Sri Satya Sai University of Technology
& Medical Sciences Sehore (M.P.)

Faculty of Education

Minutes of Meeting

Date: 05.04.2021

A meeting was held on dated 05.04.2021 at HOD Office and following points were discussed.

1. Revised e the Ph.D. 1st and 2nd Semester Syllabus

S.No	Faculty Name	Signature	
1	Dr. Kanchan Shrivastava		
2	Dr. Rafat Afroz khan		
3	Dr. Rishikesh Yadav		
4	Dr. Dhiraj Shinde		
5	Dr. Abhilasha Pathak		
6	Dr. Tabasum Khan		
7	Dr. Mamta Vyas		

Head of the Department


Dean (Education)

Copy to :

V.C. Sir

Registrar Sir

Dean Education

Academic Council




Registrar
Sri Saha Sai University of Technology
& Medical Sciences Sehore (M.P.)

SRI SATYA SAI

UNIVERSITY OF TECHNOLOGY & MEDICAL SCIENCES
SEHORE (MP)



Research Methodology

Ph.D. Course Work (I) Syllabus

Sri Satya Sai University of Technology
& Medical Sciences Sehore (M.P.)

Research Methodology

Unit I:- Research Foundation:

Evolution of scientific inquiry and Research, definition, characteristics , types and objectives of Research, importance of Research methodology in scientific Research. Selection and formulation of Research problem. Research design: meaning of Research design, features of good research design , inductive, deductive, and development of models.

Hypothesis: Different types and significance, development of working Hypothesis, Null Hypothesis.

Unit II: - Review of Literature:

Meaning and Significance of review of literature, literature search procedure , sources of literature: primary and secondary sources, web source, critical literature review , Review Quality Instrument(RQI) .

Unit-III:- Data Collection And Analysis:

Data Collection Sources of data – primary, secondary and tertiary Types of data- categorical, nominal and ordinal methods of data collection: observations, field investigations, Direct studies: reports, record, or experimental observations.

Data analysis: graphical representation, descriptive analysis, inferential analysis, correlation analysis and regression analysis. Measure of central tendency, measure of dispersion, measure of variation, Measure of central tendency vs measure of dispersion, normal distribution, measure of skewness and interpretation, purpose and use of chi-square test. Data analysis by using statistical software's: MATLAB, MINITAB and SPSS. Hypothesis Testing, generalization, interpretation and modeling.

Unit IV :- Scientific Writing And Ethics:

Scientific Writing: Structure and components of research paper and thesis writing. Different steps in the preparation: Layout, structure, language, illustrations, tables, citation styles and Bibliography.

Ethics: Ethical issue, Ethical committees, commercialization, copy right , royalty, intellectual property, rights and patent laws, plagiarism, citation, acknowledgement, Reproducibility and accountability



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Unit-V:- Computer Applications and Statistics:

Computer Applications Application of computer in research, M.S. Office and its applications. Internet and its applications: E-mail, www, Web browsing, acquiring technical skills, drawing inferences from data.

Statistics Introduction to Statistics - Probability Theories - Conditional Probability, Poisson distribution, Binomial Distribution and Properties of Normal Distributions, Estimates of Mean, mode, median and Proportions.

References:

1. Kothari, C.R.(2008). Research Methodology: Methods and Techniques. Second Edition New Age International Publishers, New Delhi.
2. Sinha, S.C. and Dhiman, A.,2002. Research Methodology, Ess Ess Publications.2 volumes.
3. Gupta S.P. (2008). Statistical Methods. 37thed. (Rev)Sultan Chand and Sons.New Delhi. 1470 p.
4. Leon & Leon (2202). Internet for everyone, Vikas Publishing House.
5. Wadehra, B.L.2000. Law relating to patents, trade marks, copyright designs and geographical indications. Universal Law Publishing.
6. Research Methodology Dr PM Bulakh,Dr P. S. Patki and DrAS Chodhary 2010OPublished by Expert Trading Corporation Dahisar West, Mumbai 400068
7. Statistical method for Research works by fisher R.A. Cosmo publication, New Delhi ISBN : 81-307-0128-6
8. Design and analysis of experiments by montgomery D.C., john wiley ,ISBN: 0471260088
9. MINITAB online manual
10. Methodology of Research in Social Science by O.R. Krishnaswamy and Rangnatham, Himalaya Publication Hore, ISBN: 8184880936
11. SPSS online manual.



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SUBJECT SPECIALIZATION-I

SUBJECT: EDUCATION

UNIT-I

Philosophical Foundation of Education: Indian schools, Western schools, School of educational thoughts (Idealism, naturalism, constructive, Pragmatism), Concept and nature of Philosophy, Concept and nature of Education, Concept and nature of Pedagogy,

Relationship between education and philosophy.

UNIT-II

Sociological Foundation of Education: Relationship of Sociology and Education, Sociological Aspects of Education, Concept and nature of sociology of education, Meaning and Social Change, Social Control.

UNIT-III

Psychological Foundation of Education: Motivation and learning theories. Intelligence- types, theories and measurement Personality- types, theories and measurement Inclusive Education.

UNIT-IV

Educational Evaluation and Assessment & Teacher Education: Tools of Evaluation, Characteristics of good measuring instrument Test standardization,

Continuous and comprehensive evaluation, Innovations in TE, Quality Management in TE,

UNIT-V

Data Analysis and Statistics: Qualitative and Quantitative data Analysis, Descriptive analysis and Inferential Analysis. Measures of central tendency Mean, Mode and Median, Importance, types of statistics, Measures of variability R MD, Q and SD, Coefficient of correlation, Use of 't' test and use of chi square.

References:

1. Best J.W. (1999). Research in Education, New Delhi: Prentice Hall of India Pvt. Ltd.
2. Borg, W.R. and Gall, M.D. (1983). Educational Research – An Introduction, New York: Longman, Inc.
3. Christensen, L. (2007). Experimental Methodology. Boston: Allyn & Bacon.
4. Clive Opie (2004). Doing Educational Research- A Guide for First time researchers. New Delhi: Vistar Publications.
5. Cohen, Lewis and Manion Lawrence (1994) Research Methods in Education New York: Holt Rinchart and Winston Inc.
6. Fraenkel, J.R., Wallen, N.E. (1996). How to Design and Evaluate Research in Education. New York: McGraw Hill.
7. Flick, Uwe (1996): An Introduction to Qualitative Research . London sage publication 19
8. Kaul, Lokesh (1984). Methodology of Educational Research. New Delhi: Vikas Publications.
9. Kumar, K.L. (1996) "Educational Technology", New Delhi: New Age International Publishers.



Sri Satya Sai University of Technology & Medical Sciences
Syllabus of Ph.D. Course Work Semester -II
Subject- Education

Unit-I

1. Philosophy of Education : Its nature- Directive Doctrine,
2. A liberal Discipline,
3. An activity
4. Its function- speculative normative, analytical
5. Metaphysical problem and Education related to nature, men and society
6. Impact of philosophical suppositions on education made by- idealism, Realism, Pragmatism, Existentialism, Vedanta (Advaita & Vashistadvaita only) Sankhya, School of thought
7. Relationship between education and philosophy.

Unit -II

1. Educational psychology: Concept, concerns and scope of educational psychology, contribution of psychology to education.
2. Human development : Concept, Principles, sequential stages of development , factors influencing development and their relative role, general characteristics and problems of each stage Indian and western theories of development.
3. Personality: Concept, development, structure and dynamics of personality theories of personality all part, Eysenck, psychoanalytic approach of freud, Erickson, behavioral approach maslow mitte4r dollard and bandura, humanistic approach-rager.
4. Adjustment and mental health – concept mechanism of adjustment
5. Individual difference: Concept of intra and inter differences.

Unit-III

1. Computer in education – what is computer ? basic elements of a computer in education
2. Computer assisted instruction (CAI)
3. Computer assisted learning (CAL)
4. Tele conferencing introduction types of teleconferencing – audio teleconferencing video teleconferencing, computer teleconferencing video disc, classification of video and them different types.

Unit-IV

1. Internet exploration – history of internet , structure of the internet E-mail –meaning , How does E-mail work? Uses of E-mail, what is the format of a mail message?
2. Taking print out from internet
3. Downloading and formatting the data
4. Internet swifing

Unit_V

1. Statistics- measures of central tendency M md and mo,
2. Importance, types of statistics
3. Measures of variability R MD, Q and SD
4. Coefficient of correlation
5. Use of 't' test and use of chi square.


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