Ph.D. Applied Psychology

(w.e.f. 2020-2021)

Department of Applied Psychology

School of Behavioural Sciences
Central University of Tamil Nadu
Thiruvarur-610 005

Based on

University Grants Commission (Minimum Standards and Procedure for Award of M.Phil../Ph.D. Degrees) Regulations, 2016.

CONTENTS

Ph.D. APPLIED PSYCHOLOGY

OVERVIEW

I. Introduction

The Department of Applied Psychology, Central University of Tamil Nadu proposes to start Ph.D. in Applied Psychology from the academic year 2018-19 to cater the increased need for knowledge generation and application in the field of Behavioural Sciences in general and Psychology in particular. A brief outline about the Central University of Tamil Nadu, School of Behavioural Sciences, Department of Applied Psychology, proposed Ph.D. programme, its objectives, course work structure and syllabus are given below.

II. Central University of Tamil Nadu

Central University of Tamil Nadu (CUTN) is an institution of higher education established by an Act of Parliament in 2009. The University aims at the forming of an enlightened society founded on a relentless pursuit of excellence through innovation in teaching-learning process, interdisciplinary studies and research. With a host of diversified integrated postgraduate, postgraduate and doctoral programmes, the University has been keen to stay abreast of the ever expanding academic frontiers. Within a brief period CUTN has established itself as a frontrunner in the pursuit of excellence.

III. School of Behavioural Sciences

The School of Behavioural Sciences aims to be in the forefront of teaching, research, and extension by addressing the existing challenges of our society, be they social, economic, political, health-related or environmental in nature. This School presently comprises the department of Applied Psychology and offers M.Sc. Applied Psychology with three specializations: (i) Clinical Psychology, (ii) Counselling Psychology, and (iii) Industrial and Organisational Psychology. In addition to the post-graduate programme, the department offers M. Phil. and Ph.D. in Applied Psychology from the academic year 2018-19.

IV.   Department of Applied Psychology

The Department of Applied Psychology, Central University of Tamil Nadu started functioning in the academic year 2017-2018. The Department aims to provide students with a comprehensive knowledge in the scientific discipline of Psychology, opportunities for learning in the laboratory as well as from the field, and advancement in the understanding of self and others. The Department emphasizes excellence in teaching and research through active involvement of faculty and students in the generation and dissemination of knowledge.

The field of psychology is all-inclusive; virtually any aspect of human behaviour and development can be viewed from a psychological perspective. Psychologists work in different settings, including universities, colleges, research institutes, hospitals, government agencies, counselling centres, schools, business, defense, NGO's etc. and take up different roles in various fields ranging from teaching to research and counseling to training.

In the changing global scenario, application of psychological principles to solve human problems has acquired new dimensions with the changing nature of the challenges that the world faces today. In this context, the department currently offers a regular two years fulltime programme in Applied Psychology (M.Sc. Applied Psychology) with three specialisations: (i) Clinical Psychology, (ii) Counselling Psychology, and (iii) Industrial and Organisational Psychology. In addition to the post-graduate programme, the department started M.Phil. and Ph.D. in Applied Psychology from the academic year 2018-19.

Vision

The Department of Applied Psychology aspires to be a leader in the cutting edge of scientific research, development, and teaching in Psychology and to become a recognized and trusted education centre for Psychology and related fields.

Mission

❖ Improve professional practice through the promotion of freedom of inquiry, critical reflection, academic excellence and research.

❖ Develop sensitivity and reflexivity among students to understand and work with people of all kinds in the society through an interdisciplinary perspective.

❖ Maintain high standards of professionalism and ethics and contribute to the community with a sense of integrity, equity and social justice.

- ❖ To promote human development, learning, health, and well-being through high quality education, research, and extension services.
- ❖ To cultivate professional ethics, a sense of social responsibility, cultural sensitivity, and good citizenship in a globalized world.
- ❖ To engage in high quality and high impact research both within and across disciplines.

V. Faculty in the Department

Name of the Faculty	Qualification	Area of specialization	Work Experience (Years)
Dr. Mamman Joseph C Assistant Professor	M.Sc., M.Phil., Ph.D.	Suicidology, Counselling psychology, Family Studies, Environmental Psychology	12
Dr. Vithya .V Assistant Professor	M.Sc., M.Phil., Ph.D.	School Psychology, Clinical Psychology	4
Dr. Padiri Ruth Angiel	M.Sc., Ph.D.	Health Psychology, Adolescent Mental Health	1.5

VI. Eligible Research Supervisors in the Department

Dr. Mamman Joseph C

Assistant Professor, Department of Applied Psychology.

He has 12 years of professional experience in teaching in the university level, research, and extension activities. He is a professional counsellor with more than 19 years of experience. His subject expertise falls in the areas of Counselling psychology, Family Studies, Suicidology, and Environmental Psychology.
(Web link: http://cutn.ac.in/wp-content/uploads/2018/02/cv-apsmj-f18.pdf)

Dr. Vithya. V

Assistant Professor, Department of Applied Psychology.

She has 4 years of experience in teaching. Her subject expertise falls in the area of Clinical Psychology, and School Psychology.

(Web link: http://cutn.ac.in/wp-content/uploads/2018/01/cv-apsvv-f18.pdf)

VII. The thrust areas of research in the Department are:
- ❖ Family Studies
- ❖ Work-Life Balance

- ❖   Marital Adjustment
- ❖   Suicidology
- ❖   Counselling
- ❖   Mental Health
- ❖   Public Health
- ❖   Human Resource Management
- ❖   Human Resource Development
- ❖   Educational / School Psychology
- ❖   Positive Psychology
- ❖   Environmental Psychology

VIII.   Ph.D. Applied Psychology

The Ph.D. in Applied Psychology aims to provide a basis for an independent, critical and thoughtful perception of research through studying theoretical and methodical subject areas, as well as providing practice in communicating research results in academic- and other forums. This programme provide academic support and supervision to the candidate for qualifying research activity, thesis work and other activities that requires an advanced extent of academic insight.

Objectives of the Programme:

A candidate completed the Ph.D. programme will be able to:

➤ Analyse the problems from a psychological perspective.

➤ Formulate relevant questions, plan and implement research and scientific development.

➤ Assess the appropriateness and application of various methods and processes within research and scientific development.

➤ Demonstrate professional skills in writing through organizing, thinking critically, and communicating ideas and information in documents, presentations, and publications.

➤ Contribute to the development of new knowledge, new theories, methods, interpretations and forms of documentation within the field.

4

Ph.D. Applied Psychology- Eligibility Criteria and Guidelines   (Annexure-I)

The Department of Applied Psychology will follow the University Grants Commission (Minimum Standards and Procedure for Award of Ph.D. Degrees) Regulations, 2016 as the guideline for Ph. D. Applied Psychology.

IX.   Structure of the Course Work

The objective of introducing Course work as a pre-Ph.D. requirement is to introduce research scholars to a variety of methods of research, analyzing data, interpretation and techniques so that scholars may exercise their discretion to choose the most appropriate ways of investigating a particular topic/area/subject. Students/researchers would also need certain skills to represent, write-up, extricate and excavate the results of the data that they have accumulated. Training in the use of language, qualitative and quantitative methods, data analysis, and writing the report will be introduced. This is to enable scholars to present their research findings to meet stringent academic standards effectively.

The detailed course structure is given in the following table.

Course Work Structure of Ph. D. Applied Psychology

Course Work							
Course Code	Course Category	Title	Credits	Hours per week	Internal Marks	End Semester Marks	Total Marks
AP01	Theory	Quantitative Research Methods and Analysis	**5**	**5**	40	60	100
AP02	Theory	Qualitative Research Methods and Analysis	**4**	**4**	40	60	100
AP03	Theory	Course related to the Area / Topic of study	**5**	**5**	40	60	100
CPE-RPE	Theory	Research and Publication Ethics	**2**	**2**	40	60	100
Total credits for the course work		**16**					
Total marks for the course work		**400**					

X. **Syllabus of Ph. D. Applied Psychology**

The detailed Syllabus of the proposed Ph. D. programme is given below.

SYLLABUS

Ph.D. Applied Psychology

(w.e.f. 2020-2021)

Department of Applied Psychology

School of Behavioural Sciences
Central University of Tamil Nadu
Thiruvarur-610 005

Based on

University Grants Commission (Minimum Standards and Procedure for Award of

M.Phil./Ph.D Degrees) Regulations, 2016.

XI. Syllabus of the Ph.D. Applied Psychology

AP 01: QUANTITATIVE RESEARCH METHODS AND ANALYSIS			
Course Credit	**05**	**Course Marks**	**100**
Course Objectives	❖ To develop knowledge of the various approaches and methods of quantitative research ❖ To familiarise students with different Quantitative research designs and its applications ❖ To develop knowledge and skills in the process of test construction. ❖ To develop skills for effective use of (Softwares) computer applications in research		
Pedagogy	❖ Lecture method ❖ Discussions ❖ Case study ❖ Tutorial ❖ Review of relevant resources (Articles / Books, etc.) ❖ Assignments ❖ Presentations ❖ Mini projects ❖ Laboratory work ❖ Journal club ❖ Skill lab ❖ Fieldwork ❖ Cooperative learning		
Learning Outcome	❖ Conceptual understanding of various approaches and methods of quantitative research ❖ Skill development for the independent research		

Unit I- Methods of Quantitative Research

Experiments, Field experiments, Field studies, Survey, Expost facto

Unit II- Research Designs

Experimental designs; pre- experimental, Quasi- Experimental designs, experimental designs- Ex-post facto designs- Single subject design- Between-group and within-group designs- Factorial designs, longitudinal and cross-sectional designs.

Unit III- Data Analysis in Quantitative Research

Parametric Statistics: Assumptions of Parametric statistics- Correlation and Regression Analysis, t-test, Analysis of variance and Covariance, Post-hoc tests- Multivariate Analysis: Factor Analysis, Multiple Regression, Structural Equation Modelling.

UNIT IV

Non-parametric Statistics: Assumptions of Non-parametric statistics: Chi-square test, Mann Whitney U-test, Kruskal Wallis test, sign test, Sign rank test, Median test, Rank order, Friedman two-way ANOVA.

Unit V- Test Construction and Computer Applications

Levels of measurement- Test Development: Item writing, item analysis, Reliability and validity, Norm development and meaning of test scores, Development of Manual. Classical test theory and Latent Construct Model.

Data organization for computer based data analysis (Mendley, Gephi and similar platforms)-SPSS- R- Smart PLS- AMOS- LISREL.

References

Bryman, A., & Cramer, D. (2009). Quantitative data analysis with SPSS 14, 15 and 16: A guide for social scientists. New York: Routledge

Bickman, L., &Rog, D. J. (Eds.). (2008). The Sage handbook of applied social research methods. Sage Publications.

Holmes, D. R., Hodgson, P. K., Nishimura, R. A., & Simari, R. D. (2009). Manuscript preparation and publication. Circulation, 120(10), 906-913.

Kombo, D. K., & Tromp, D. L. (2006). Proposal and thesis writing: An introduction. Nairobi: Paulines Publications Africa, 10-45.

Lunenburg, F. C., & Irby, B. J. (2008). Writing a successful thesis or dissertation: Tips and strategies for students in the social and behavioral sciences. Corwin press.

Tashakkori, A., &Teddlie, C. (Eds.). (2010). Sage handbook of mixed methods in social & behavioral research. Sage.

Glatthorn, A. A., & Joyner, R. L. (2005). Writing the winning thesis or dissertation: A step-by-step guide. Corwin Press.

Ho, R. (2006). Handbook of univariate and multivariate data analysis and interpretation with SPSS. CRC Press.

Agresti, A., & Kateri, M. (2011). Categorical data analysis (pp. 206-208). Springer Berlin Heidelberg.

AP 02: QUALITATIVE RESEARCH METHODS AND ANALYSIS			
Course Credit	04	**Course Marks**	100
Course Objectives	❖ To familiarise the students with the approaches in Qualitative research methods ❖ To develop knowledge of the various approaches and methods of qualitative research. ❖ To develop a deep understanding of the various ethical considerations in psychological research ❖ To develop skills for research report writing in research		
Pedagogy	❖ Lecture ❖ Discussions ❖ Case study ❖ Tutorial ❖ Review of relevant resources (Articles / Books, etc.) ❖ Assignments ❖ Presentations ❖ Mini projects ❖ Laboratory work ❖ Journal club ❖ Skill lab ❖ Fieldwork ❖ Cooperative learning		
Learning Outcome	❖ Conceptual understanding of various approaches and methods of qualitative research ❖ Understanding of various ethical considerations ❖ Skill development for academic writing		

Unit I- Approaches of Behavioural Sciences Research

Ontology, Epistemology, Methodology of: Empiricism, Positivism, Post-positivism, Symbolic Interactionism, Constructivism

Unit II – Approaches and Methods of Qualitative Research

Ethnography – Phenomenology – Grounded theory – Narrative inquiry - Case study - Observation- Interview – Survey - Focus group discussion

Unit III- Data Analysis in Qualitative Research

Narrative Analysis – Phenomenological analysis – grounded theory analysis – ethnography analysis – Case study analysis - Content analysis - Thematic analysis- Conversational analysis- Discourse analysis- Hermeneutics.

Unit IV- Ethics in Behavioural Sciences Research

Meaning and significance of ethics – Ethical principles - Commissions, Conventions and declarations related to ethics in research, Plagiarism - APA Guidelines

Unit V- Research Report Writing

APA style for report writing (latest edition) - Writing research report: Title, Abstract, Introduction, Review of literature, Method, Results, Discussion, References, Appendices.

References

Miles, M. B., Huberman, A. M., & Saldana, J. (2013). Qualitative data analysis: A methods sourcebook. SAGE Publications, Incorporated.

Creswell, J. W., & Creswell, J. W. (2013). *Qualitative inquiry & research design: Choosing among five approaches.*

Ritchie, J., & Spencer, L. (2002). Qualitative data analysis for applied policy research. The qualitative researcher's companion, 573, 305-329.

Gibbs, G. (2002). Qualitative data analysis: Explorations with NVivo (Understanding social research). Buckingham: Open University Press.

Bryman, A. (2006). Integrating quantitative and qualitative research: how is it done? Qualitative research, 6(1), 97-113.

Coffey, A., & Atkinson, P. (1996). Making sense of qualitative data: complementary research strategies. Sage Publications, Inc.

Cook, T. D., & Reichardt, C. S. (Eds.). (1979). Qualitative and quantitative methods in evaluation research (Vol. 1). Beverly Hills, CA: Sage publications.

Ritchie, J., & Spencer, L. (2002). Qualitative data analysis for applied policy research. The qualitative researcher's companion, 573, 305-329.

Tashakkori, A., &Teddlie, C. (Eds.). (2010). Sage handbook of mixed methods in social & behavioral research. Sage.

AP 03: COURSE RELATED TO THE AREA/ TOPIC OF RESEARCH			
Course Credit	05	**Course Marks**	100
Course Objectives	❖ To develop an in-depth understanding of the area of research that would enable them to gain the requisite insight for finalization of the research proposal. ❖ To develop an in-depth understanding of the theoretical background of the topic of research. ❖ To review and understand the already conducted empirical studies in the research area.		
Pre-requisites	❖ Basic understanding of the theories in the research area ❖ Basic understanding of the latest studies in the research area		
Pedagogy	❖ Discussions ❖ Tutorial ❖ Review of relevant resources (Articles / Books, etc.) ❖ Assignments ❖ Presentations ❖ Mini projects ❖ Laboratory work ❖ Journal club ❖ Fieldwork		
Learning Outcome	❖ In depth understanding of the theories, models, concepts, methods of enquiry and processes in the research area. ❖ Knowledge and understanding of the recent advances in the research area.		

AP 03: COURSE RELATED TO THE AREA/ TOPIC OF RESEARCH

The syllabus of this course will be finalized by the research supervisor based on the structure given below and in accordance with the Area/Topic of research of the candidate.

Unit I- Theoretical Background of the Area/Topic of research

Philosophical background of the Area /Topic of Study-Theories- Models—Concepts-Methods- approaches to study the Area/Topic.

Unit II- Empirical Research in the Area/Topic of research

Initial researches in the Area/Topic- Key research in the Area/Topic-Major outcome of the research-major criticisms about the research in the Area/Topic-Ethical considerations in the area/topic of research.

Unit III- Recent Advances in the Area/Topic of research

Recent theoretical Developments-Recent Empirical research- Implications of the recent advances in the chosen Area/Topic of research.

Unit IV- Writing Literature Review

 Meaning-Importance-Pre-Requisites-Major Styles/Models of writing literature Review-Review for Qualitative Research-Review for Quantitative Research.

Unit V- Scientific Writing

Meaning and Importance-Important Styles of Writing-Scientific writing for: Thesis; Journal Articles; Books; popular Media; Blogs.

CPE-RPE: RESEARCH AND PUBLICATION ETHICS			
Course Credit	02	**Course Marks**	100
Course Objectives	❖ To develop an in-depth understanding of Ethics in research and Publication ethics. ❖ To develop an in-depth understanding of the Philosophical background of ethics in research. ❖ To develop an in-depth understanding of important indexing and citation databases ❖ To have an understand about research metrics and plagiarism checking		
Pre-requisites	❖ Basic understanding of the theories in the research area ❖ Basic understanding of the latest studies in the research area		
Pedagogy	❖ Discussions ❖ Tutorial ❖ Review of relevant resources (Articles / Books, etc.) ❖ Assignments ❖ Presentations ❖ Laboratory work ❖ Lectures		
Learning Outcome	❖ In depth understanding of research and publication ethics. ❖ Knowledge and understanding of indexing and citation databases, research metrics and plagiarism checking.		

Course Structure:

The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit Title	Teaching Hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	**30**

Syllabus in Detail

THEORY

RPE 01: PHILOSOPHY AND ETHICS (3 HRS)

1. Introduction to philosophy: definition, nature and scope, concept, branches

2. Ethics: definition, moral philosophy, nature of moral judgements and reactions.

RPE 02: SCIENTIFIC CONDUCT (5 HRS)

1. Ethics with respect to science and research

2. Intellectual honest and research integrity

3. Scientific misconducts: falsification, fabrication, and plagiarism.

4. Redundant publications: duplicate and overlapping publications, salami slicing

5. Selective reporting and misrepresentation of data.

RPE 03: PUBLICATION ETHICS (7 HRS)

1. Publication ethics: definition, introduction and importance

2. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.

3. Conflicts of interest

4. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice versa, types

5. Violation of publication ethics, authorship and contributor ship

6. Identification of publication misconduct, complaints and appeals

7. Predatory publishers and journals

PRACTICE

RPE 04: OPEN ACCESS PUBLISHING (4 HRS)

1. Open access publications and initiatives

2. SHERPA/RoMEO online resource to check publisher copyright and self-archiving policies.

3. Software tool to identify predatory publications developed by SPPU

4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

RPE 05: PUBLICATION MISCONDUCT (4 HRS)

A.   Group Discussions (2 hrs)

1. Subject specific ethical issues, FFP, authorship

2. Conflicts of interest

3. Complaints and appeals: examples and fraud from India and abroad

B. Software tools (2 hrs)

Use of plagiarism software like Turnitin, Urkund and other open source software tools.

RPE 06: DATABASES AND RESEARCH METRICS (7 HRS)

A Databases (4 hrs)

1. Indexing databases

2. Citation databases: Web of Science, Scopus, etc.

B. Research Metrics (3 hrs)

1. Impact Factor of journal as per journal citation report, SNIP, SJR, IPP, Cite Score.
2. Metrics: h-index, g index, i10 index, altmetrics

References

Beall, J. (2012). Predatory publishers are corrupting open access. *Nature News*, *489*(7415), 179.

Bird, A. (2006). *Philosophy of science*. Routledge.

Chaddah, P. (2018). Ethics in competitive research: Do not get scooped; do not 1. get plagiarized Pothy. com.

MacIntyre, A. (2003). *A Short History of Ethics: a history of moral philosophy from the Homeric age to the 20th century*. Routledge.

Muralidhar, K., Ghosh, A., & Singhvi, A. K. (Eds.). (2019). *Ethics in science education, research and governance*. Indian National Science Academy.

National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A guide to responsible conduct in research*. Third Edition. National Academies Press.

Resnik, D. B. (2011). What is ethics in research & why is it important. *Washington, DC*.

ANNEXURES

ANNEXURE 1

University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. Degrees) Regulations, 2016.

MINISTRY OF HUMAN RESOURCE DEVELOPMENT
UNIVERSITY GRANTS COMMISSION
NOTIFICATION
New Delhi, the 5th May, 2016

University Grants Commission (Minimum Standards and Procedure for Award of M.Phil./Ph.D. degrees) Regulations, 2016.

{In supersession of the UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009, notified in The Gazette of India [No. 28, Part III-Section 4] for the week July 11-July 17, 2009}

No. F. 1-2/2009(EC/PS)V(I) Vol. II - In exercise of the powers conferred by clauses (f) and (g) of sub-section (1) of Section 26 of the University Grants Commission Act, 1956 (3 of 1956), and in supersession of the UGC (Minimum Standards and Procedure for Awards of M.Phil./Ph.D. Degree) Regulation, 2009, notified in The Gazette of India [No. 28, Part III-Section 4] for the week July 11 — July 17, 2009, the University Grants Commission hereby makes the following Regulations, namely:-

1. **Short title, Application and Commencement:**

   1.1 These Regulations may be called University Grants Commission (Minimum Standards and Procedure for Award of M.Phil. /Ph.D. Degrees) Regulations, 2016.

   1.2 They shall apply to every University established or incorporated by or under a Central Act, a Provincial Act, or a State Act, every affiliated college, and every Institution Deemed to be a University under Section 3 of UGC Act, 1956.

   1.3 They shall come into force from the date of their publication in the Gazette of India.

2. **Eligibility criteria for admission to the M.Phil. programme:**
   2.1 Candidates for admission to the M.Phil. programme shall have a Master's degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) or an equivalent degree from a foreign educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions.

2.2 A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/Differently-Abled and other categories of candidates as per the decision of the Commission from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991. The eligibility marks of 55% (or an equivalent grade in a point scale wherever grading system is followed) and the relaxation of 5% to the categories mentioned above are permissible based only on the qualifying marks without including the grace mark procedures.

3. **Eligibility criteria for admission to Ph.D. programme:**

Subject to the conditions stipulated in these Regulations, the following persons are eligible to seek admission to the Ph.D. programme:

3.1 Master's Degree holders satisfying the criteria stipulated under Clause 2 above.

3.2 Candidates who have cleared the M.Phil. course work with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale wherever grading system is followed) and successfully completing the M.Phil. Degree shall be eligible to proceed to do research work leading to the Ph. D. Degree in the same Institution in an integrated programme. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC(non-creamy layer)/differently-abled and other categories of candidates as per the decision of the Commission from time to time.

3.3 A person whose M.Phil. dissertation has been evaluated and the viva voce is pending may be admitted to the Ph.D. programme of the same Institution;

3.4 Candidates possessing a Degree considered equivalent to M.Phil. Degree of an Indian Institution, from a Foreign Educational Institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions, shall be eligible for admission to Ph.D. programme.

4. **Duration of the Programme:**

4.1 M.Phil. programme shall be for a minimum duration of two (2) consecutive semesters / one year and a maximum of four (4) consecutive semesters / two years.

4.2 Ph.D. programme shall be for a minimum duration of three years, including course work and a maximum of six years.

4.3 Extension beyond the above limits will be governed by the relevant clauses as stipulated in the Statute/Ordinance of the individual Institution concerned.

4.4 The women candidates and Persons with Disability (more than 40% disability) may be allowed a relaxation of one year for M.Phil and two years for Ph.D. in the maximum

duration. In addition, the women candidates may be provided Maternity Leave/Child Care Leave once in the entire duration of M.Phil/Ph.D. for up to 240 days.

5. **Procedure for admission:**

5.1 All Universities and Institutions Deemed to be Universities shall admit M.Phil/Ph.D. students through an Entrance Test conducted at the level of Individual University/Institution Deemed to be a University. The University/Institution Deemed to be a University may decide separate terms and conditions for Ph.D. Entrance Test for those students who qualify UGC-NET (including JRF)/UGC-CSIR NET (including JRF)/SLET/GATE/teacher fellowship holder or have passed M.Phil programme. Similar approach may be adopted in respect of Entrance Test for M.Phil programme.

5.2 Higher Educational Institutions (HEIs) referred to in sub-clause 1.2 above and Colleges under them which are allowed to conduct M.Phil. and/or Ph.D. programmes, shall:

5.2.1. decide on an annual basis through their academic bodies a predetermined and manageable number of M.Phil. and/or Ph.D. scholars to be admitted depending on the number of available Research Supervisors and other academic and physical facilities available, keeping in mind the norms regarding the scholar- teacher ratio (as indicated in Para 6.5), laboratory, library and such other facilities;

5.2.2 notify well in advance in the institutional website and through advertisement in at least two (2) national newspapers, of which at least one (1) shall be in the regional language, the number of seats for admission, subject/discipline-wise distribution of available seats, criteria for admission, procedure for admission, examination centre(s) where entrance test(s) shall be conducted and all other relevant information for the benefit of the candidates;

5.2.3 adhere to the National/State-level reservation policy, as applicable.

5.3 The admission shall be based on the criteria notified by the Institution, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory bodies concerned, and taking into account the reservation policy of the Central/State Government from time to time.

5.4 HEIs as mentioned in Clause 1.2 shall admit candidates by a two stage process through:

5.4.1 An Entrance Test shall be qualifying with qualifying marks as 50%. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject specific. The Entrance Test shall be conducted at the Centre(s) notified in advance (changes of Centres, if any, also to be notified well in advance) at the level of the individual HEI as mentioned in clause 1.2; and

5.4.2 An interview/*viva-voce* to be organized by the HEI as mentioned in clause 1.2 when the candidates are required to discuss their research interest/area through a presentation before a duly constituted Department Research Committee.

5.5 The interview/*viva voce* shall also consider the following aspects, viz. whether:

5.5.1   the candidate possesses the competence for the proposed research;

5.5.2. the research work can be suitably undertaken at the Institution/College; the proposed area of research can contribute to new/additional knowledge.

5.6   The University shall maintain the list of all the M.Phil. / Ph.D. registered students on its website on year-wise basis. The list shall include the name of the registered candidate, topic of his/her research, name of his/her supervisor/co-supervisor, date of enrolment/registration.

6   **Allocation of Research Supervisor:** Eligibility criteria to be a Research Supervisor, Co-Supervisor, Number of M.Phil./Ph.D. scholars permissible per Supervisor, etc.

6.1 Any regular Professor of the University/Institution Deemed to be a University/College with at least five research publications in refereed journals and any regular Associate/Assistant Professor of the university/institution deemed to be a university/college with a Ph.D. degree and at least two research publications in refereed journals may be recognized as Research Supervisor.

Provided that in areas/disciplines where there is no or only a limited number of refereed journals, the Institution may relax the above condition for recognition of a person as Research Supervisor with reasons recorded in writing.

6.2 Only a full time regular teacher of the concerned University/Institution Deemed to be a University/College can act as a supervisor. The external supervisors are not allowed. However, CoSupervisor can be allowed in inter-disciplinary areas from other departments of the same institute or from other related institutions with the approval of the Research Advisory Committee.

6.3 The allocation of Research Supervisor for a selected research scholar shall be decided by the Department concerned depending on the number of scholars per Research Supervisor, the available specialization among the Supervisors and research interests of the scholars as indicated by them at the time of interview/*viva voce*.

6.4 In case of topics which are of inter-disciplinary nature where the Department concerned feels that the expertise in the Department has to be supplemented from outside, the Department may appoint a Research Supervisor from the Department itself, who shall be known as the Research Supervisor, and a Co-Supervisor from outside the Department/ Faculty/College/Institution on such terms and conditions as may be specified and agreed upon by the consenting Institutions/Colleges.

6.5 A Research Supervisor/Co-supervisor who is a Professor, at any given point of time, cannot guide more than three (3)M.Phil. and Eight (8) Ph.D. scholars. An Associate Professor as Research Supervisor can guide up to a maximum of two (2) M.Phil. and six (6) Ph.D. scholars and an Assistant Professor as Research Supervisor can guide up to a maximum of one (1) M.Phil. and four (4) Ph.D. scholars.

6.6 In case of relocation of an M.Phil/Ph.D. woman scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the University to which the scholar intends to relocate provided all the other conditions in these regulations are followed in letter and spirit and the research work does not pertain to the project secured by the parent institution/ supervisor from any funding agency. The scholar will however give due credit to the parent guide and the institution for the part of research already done.

7. **Course Work:** Credit Requirements, number, duration, syllabus, minimum standards for completion, etc.

7.1 The credit assigned to the M.Phil. or Ph.D. course work shall be a minimum of 08 credits and a maximum of 16 credits.

7.2 The course work shall be treated as prerequisite for M.Phil./Ph.D. preparation. A minimum of four credits shall be assigned to one or more courses on Research Methodology which could cover areas such as quantitative methods, computer applications, research ethics and review of published research in the relevant field, training, field work, etc. Other courses shall be advanced level courses preparing the students for M.Phil./Ph.D. degree.

7.3 All courses prescribed for M.Phil. and Ph.D. course work shall be in conformity with the credit hour instructional requirement and shall specify content, instructional and assessment methods. They shall be duly approved by the authorized academic bodies.

7.4 The Department where the scholar pursues his/her research shall prescribe the course(s) to him/her based on the recommendations of the Research Advisory Committee, as stipulated under sub-Clause 8.1 below, of the research scholar.

7.5 All candidates admitted to the M.Phil. and Ph.D. programmes shall be required to complete the course work prescribed by the Department during the initial one or two semesters.

7.6 Candidates already holding M. Phil. degree and admitted to the Ph.D. programme, or those who have already completed the course work in M.Phil. and have been permitted to proceed to the Ph.D. in integrated course, may be exempted by the Department from the Ph.D. course work. All other candidates admitted to the Ph.D. programme shall be required to complete the Ph.D. course work prescribed by the Department.

7.7 Grades in the course work, including research methodology courses shall be finalized after a combined assessment by the Research Advisory Committee and the Department and the final grades shall be communicated to the Institution/College.

7.8 A M.Phil./Ph.D. scholar has to obtain a minimum of 55% of marks or its equivalent grade in the UGC 7-point scale (or an equivalent grade/CGPA in a point scale wherever grading system is followed) in the course work in order to be eligible to continue in the programme and submit the dissertation/thesis.

8. **Research Advisory Committee and its functions:**

8.1 There shall be a Research Advisory Committee, or an equivalent body for similar purpose as defined in the Statutes/Ordinances of the Institution concerned, for each M.Phil. and Ph.D. scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This Committee shall have the following responsibilities:

8.2 To review the research proposal and finalize the topic of research;

8.3 To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.

8.4 To periodically review and assist in the progress of the research work of the research scholar.

8.5 A research scholar shall appear before the Research Advisory Committee once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six monthly progress reports shall be submitted by the Research Advisory Committee to the Institution/College with a copy to the research scholar.

8.6 In case the progress of the research scholar is unsatisfactory, the Research Advisory Committee shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the Research Advisory Committee may recommend to the Institution/College with specific reasons for cancellation of the registration of the research scholar.

9. **Evaluation and Assessment Methods, minimum standards/credits for award of the degree, etc.:**

9.1 The overall minimum credit requirement, including credit for the course work, for the award of M.Phil. degree shall not be less than 24 credits.

9.2 Upon satisfactory completion of course work, and obtaining the marks/grade prescribed in sub-clauses 7.8 above, as the case may be, the M.Phil./Ph.D. scholar shall be required to undertake research work and produce a draft dissertation/thesis within a reasonable time, as stipulated by the Institution concerned based on these Regulations.

9.3 Prior to the submission of the dissertation/thesis, the scholar shall make a presentation in the Department before the Research Advisory Committee of the Institution concerned which shall also be open to all faculty members and other research scholars. The feedback and comments obtained from them may be suitably incorporated into the draft dissertation/thesis in consultation with the Research Advisory Committee.

9.4 M.Phil scholars shall present at least one (1) research paper in a conference/seminar and Ph.D. scholars must publish at least one (1) research paper in refereed journal and make two paper presentations in conferences/seminars before the submission of the dissertation/thesis for

adjudication, and produce evidence for the same in the form of presentation certificates and/or reprints.

9.5 The Academic Council (or its equivalent body) of the Institution shall evolve a mechanism using well developed software and gadgets to detect plagiarism and other forms of academic dishonesty. While submitting for evaluation, the dissertation/thesis shall have an undertaking from the research scholar and a certificate from the Research Supervisor attesting to the originality of the work, vouching that there is no plagiarism and that the work has not been submitted for the award of any other degree/diploma of the same Institution where the work was carried out, or to any other Institution.

9.6 The M.Phil. dissertation submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least one external examiner who is not in the employment of the Institution/College. The *viva-voce* examination, based among other things, on the critiques given in the evaluation report, shall be conducted by both of them together, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/ researchers.

9.7 The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least two external examiners, who are not in employment of the Institution/College, of whom one examiner may be from outside the country. The *viva-voce* examination, based among other things, on the critiques given in the evaluation report, shall be conducted by the Research Supervisor and at least one of the two external examiners, and shall be open to be attended by Members of the Research Advisory Committee, all faculty members of the Department, other research scholars and other interested experts/researchers.

9.8 The public *viva-voce* of the research scholar to defend the dissertation/thesis shall be conducted only if the evaluation report(s) of the external examiner(s) on the dissertation/thesis is/are satisfactory and include a specific recommendation for conducting the *viva-voce* examination. If the evaluation report of the external examiner in case of M.Phil. dissertation, or one of the evaluation reports of the external examiner in case of Ph.D. thesis, is unsatisfactory and does not recommend *viva-voce*, the Institution shall send the dissertation/ thesis to another external examiner out of the approved panel of examiners and the *viva-voce* examination shall be held only if the report of the latest examiner is satisfactory. If the report of the latest examiner is also unsatisfactory, the dissertation/ thesis shall be rejected and the research scholar shall be declared ineligible for the award of the degree.

9.9 The Institutions shall develop appropriate methods so as to complete the entire process of evaluation of M.Phil. dissertation/ Ph.D. thesis within a period of six months from the date of submission of the dissertation/thesis.

10. **Academic, administrative and infrastructure requirement to be fulfilled by Colleges for getting recognition for offering M.Phil./Ph.D.   programmes:**

10.1 Colleges may be considered eligible to offer M.Phil./Ph .D programmes only if they satisfy the availability of eligible Research Supervisors, required infrastructure and supporting administrative and research promotion facilities as per these Regulations.

10.2   Post-graduate Departments of Colleges, Research laboratories of Government of India/State Government with at least two Ph.D. qualified teachers/scientists/other academic staff in the Department concerned along with required infrastructure, supporting administrative and research promotion facilities as per these Regulations, stipulated under sub-clause 10.3, shall be considered eligible to offer M.Phil./Ph.D. programmes. Colleges should additionally have the necessary recognition by the Institution under which they operate to offer M.Phil/Ph.D. programme.

10.3   Colleges with adequate facilities for research as mentioned below alone shall offer M.Phil./Ph. D. programmes:

10.3.1 In case of science and technology disciplines, exclusive research laboratories with sophisticated equipment as specified by the Institution concerned with provision for adequate space per research scholar along with computer facilities and essential software, and uninterrupted power and water supply;

10.3.2 Earmarked library resources including latest books, Indian and International journals, ejournals, extended working hours for all disciplines, adequate space for research scholars in the Department/ library for reading, writing and storing study and research materials;

10.3.3 Colleges may also access the required facilities of the neighbouring Institutions/Colleges, or of those Institutions/Colleges/R&D laboratories/Organizations which have the required facilities.

11.   **Treatment of Ph.D / M.Phil. through Distance Mode/Part-time:**

11.1   Notwithstanding anything contained in these Regulations or any other Rule or Regulation, for the time being in force, no University; Institution, Deemed to be a University and College shall conduct M.Phil. and Ph.D. Programmes through distance education mode.

11.2   Part-time Ph.D will be allowed provided all the conditions mentioned in the extant Ph.D Regulations are met.

12.   **Award of M.Phil./Ph.D. degrees prior to Notification of these Regulations, or degrees awarded by foreign Universities:**

11.1   Award of degrees to candidates registered for the M.Phil./Ph.D. programme on or after July 11, 2009 till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and procedure for Awards of M.Phil/Ph.D Degree) Regulation, 2009.

11.2   If the M.Phil./Ph.D. degree is awarded by a Foreign University, the Indian Institution considering such a degree shall refer the issue to a Standing Committee constituted by the concerned institution for the purpose of determining the equivalence of the degree awarded by the foreign University.

13.   **Depository with INFLIBNET:**

13.1   Following the successful completion of the evaluation process and before the announcement of the award of the M.Phil./Ph.D. degree(s), the Institution concerned shall submit an electronic copy of the M.Phil. dissertation /Ph. D. thesis to the INFLIBNET, for hosting the same so as to make it accessible to all Institutions/Colleges.

13.2   Prior to the actual award of the degree, the degree-awarding Institution shall issue a provisional Certificate to the effect that the Degree has been awarded in accordance with the provisions of these UGC Regulations, 2016.

Prof. JASPAL S. SANDHU, Secy.

[ADVT.-III/4/Exty./143(113)]

ANNEXURE 2

Guidelines & format for the Ph. D. Research Proposal, Synopsis and Thesis

I. Manual for referencing
APA (American Psychological Association) Manual 7th edition can be used for index citation, referencing and organisation of the text of the research proposal/synopsis/thesis.

II. Research Proposal for Ph.D. admission
The Research Proposal should include the proposed title, broad area of research, introduction and literature review, problem statement, rationale and scope of the study, research questions/hypothesis, research objectives, proposed methodology and references. The length of the Research Proposal should not be more than 1000 words. The text of the document should follow 1.5-line spacing for the entire document. The font should be Times New roman, colour should be black and font size should be 12. APA style should be followed for different levels of headings. The document should be printed in A4 size paper.

III Ph.D. Synopsis
The Ph.D. Synopsis should reflect the conceptual framework of the study and a practical understanding of the area of research. The research design, sample design and implications of the research should be clearly delineated in the synopsis. The text of the document should follow 1.5-line spacing for the entire document. The font should be Times New roman, colour should be black and font size should be 12 (APA style should be followed for different levels of headings). The document should be printed in A4 size papers. The synopsis should have a short abstract of the study as well.

Table 1: Synopsis structure and content

Cover Page & Title Page	Annexure 3: Format of the Cover Page & Title Page of Ph.D. Synopsis
Abstract	The abstract should not be more than 250 words. The abstract should be a miniature form of the entire synopsis and should consist of the problem statement, context and scope of the study, research objectives and the research methodology. Keep 3-4 keywords in the abstract.

Content Page	The content page should have a layout of all the titles given below with page indications/numbers as required.
List of Tables	With numbering, title and page numbers.
List of Figures	With numbering, title and page numbers.
List of Maps	With numbering, title and page numbers.
List of Photographs	With numbering, title and page numbers.
List of Abbreviations	Abbreviations and their full forms are to be presented in alphabetical order.
Introduction & Review of Literature	The introduction section should set the context of the study with thematically organised and sound literature review along with the conceptual framework, scope and limitations of the study.
Methods	The research method section will map the study with details of research and sampling design.
References	The synopsis should strictly follow APA style (Refer to APA Manual 6th edition) for referencing. The consolidated list of references should be placed in alphabetical order.

IV. Ph.D. Thesis

- The Ph.D. Thesis should be printed in A4 size white paper and hard bound or it can be produced in a book format with the approval of the Department Research Committee.

- The text of the document should follow 1.5 line spacing for the entire document, except for quotations, table content and referencing which can have single spacing. The font selected should suit the academic writing requirements. The font colour should be black and font size 12. APA style should be followed for different levels of headings.

- The copies of the thesis submitted should be fully bound. The cover page and title page of the thesis will have the same content. The Name of the Author, Title of the Thesis, Degree, Name of the Supervisor, Name of the Department and the Month and Year of submission should be printed on the cover page and title page.

Table1: Structure and Content of Ph. D. Thesis

Cover Page & Title Page	Annexure 4: Format of the Cover Page & Title Page of Ph.D. Thesis.
Declaration by the Ph.D. Scholar	Annexure 5: Format of the Declaration for Ph.D. Thesis.
Supervisor's Certificate	Annexure 6: Format of the Certificate for Ph.D. Thesis.
Abstract	The abstract should not be more than 300 words. The abstract should be a miniature form of the entire Thesis and should consist of the context and scope of the study, research methodology used, major findings and conclusive arguments. Keep 3-4 keywords in the abstract.
Content Page	The content page should have a layout of all the titles given below with page indications/numbers as required.
List of Tables	With numbering, title and page numbers.
List of Figures	With numbering, title and page numbers.
List of Maps	With numbering, title and page numbers.
List of Photographs	With numbering, title and page numbers.
List of Abbreviations	Abbreviations and their full forms are to be presented in alphabetical order.
Introduction	The introduction chapter should set the context of the study with thematic organisation and scope of the study.
Review of Literature	This chapter will provide a detailed description of the review of the theoretical and empirical work already done in the area of research, which results in identifying the gap in research.
Method	This chapter will provide a detailed description of the methods used in the thesis.
Results	This chapter will provide the results of the study in a descriptive/ tabular /graphical form depends on the nature of the study.
Discussion	The discussion chapter should engage in bringing out the general analytical reflections of the subject of study, emerging patterns and interlinkages within the findings, implications of the study, limitations and scope for future research.
References	The Thesis should strictly follow APA style (Latest) for Referencing. The consolidated list of references should

	be placed in alphabetical order
Appendices	The appendices should be numbered and the page numbers of the start page of each appendix should be mentioned in the content page

V. Maintaining ethical standards in research

The research scholar is expected to maintain high ethical standards during the entire research procedure. Plagiarism is not allowed at any cost. Ethical standards are expected from the research scholar during the development of research proposal, literature review and writing, data collection process (ensuring the rights and confidentiality of the research participants) as well as in the reporting of the research results.

[PROPOSED TITLE OF THE DISSERTATION]

Synopsis of the thesis proposed to be submitted to the Central University of Tamil Nadu

in partial fulfillment for the award of the degree of

DOCTOR OF PHILOSOPHY

in Applied Psychology

Submitted by

[NAME OF THE STUDENT]

Under the Supervision of

[NAME OF THE SUPERVISOR]

Department of Applied Psychology

School of Behavioural Sciences
Central University of Tamil Nadu
Thiruvarur-610 005

Format of the cover page and title page for Ph.D. Thesis

[TITLE OF THE THESIS]

Thesis submitted to the Central University of Tamil Nadu

in partial fulfillment for the award of the degree of

DOCTOR OF PHILOSOPHY

in Applied Psychology

Submitted by

[NAME OF THE STUDENT]

Under the Supervision of

[NAME OF THE SUPERVISOR]

Department of Applied Psychology

School of Behavioural Sciences
Central University of Tamil Nadu
Thiruvarur-610 005

Month and Year

ANNEXURE 5

<u>Format of the declaration of Ph.D. Thesis</u>

DECLARATION

This is to certify that the thesis entitled **"(Title of the Thesis)"** submitted to the Central University of Tamil Nadu in partial fulfillment of the requirement for the award of the degree of **Doctor of Philosophy in Applied Psychology**, is a record of original research work done by me under the supervision and guidance of **" (Name of the Supervisor)"** and that the thesis has not been previously submitted, in part or full, for the award of any degree, diploma, associateship or any other similar titles.

Place:

Date: **Name of the Research Scholar**

ANNEXURE 6

Format of the certificate of Ph.D. Thesis

CERTIFICATE

This is to certify that the thesis entitled **"(Title of the Thesis)"** submitted to the Central University of Tamil Nadu in partial fulfillment of the requirement for the award of the degree of **Doctor of Philosophy in Applied Psychology**, is a record of original research done by **Ms/Mr. (Name of the Research Scholar)**, during the period of **(Year)** in the **Department of Applied Psychology, Central University of Tamil Nadu**, under my supervision and guidance, and that the thesis has not been previously submitted, in part or full, for the award of any degree, diploma, associateship or any other similar titles.

Place: **Name and Designation of Research Supervisor**

Date: