

CHRIST

(DEEMED TO BE UNIVERSITY)

B A N G A L O R E • I N D I A

**CHRIST (Deemed to be University)
BENGALURU – 29**

**Department of COMPUTER SCIENCE AND
ENGINEERING**

**Policy and Standard Operating
Procedure**

Ph.D. Programme

Table of Contents

| | | |
|-----|---------------------------------------|---|
| 1 | Introduction | 1 |
| 1.1 | Background | 1 |
| 1.2 | Purpose of Manual | 2 |
| 2 | Standard Operating Procedure | 2 |
| 2.1 | Course Work | 2 |
| 2.2 | Guide Allotment | 3 |
| 2.3 | Post the Course Work at Deanery Level | 3 |
| 2.4 | Policy for Synopsis and Pre-Synopsis | 4 |
| 2.5 | Duration of the Programme | 4 |
| 2.6 | Progress Report | 5 |

1. Introduction

1.1 Background

Doctor of Philosophy (Ph.D.) Programme is processing under the Department of Computer Science and Engineering and Information Technology at School of Engineering and Technology, CHRIST (Deemed to be University).

This programme is coordinated at department level by a group of enriched Ph.D. holders as panel members. The extremely skilled faculty members provide proper guidance to the Ph.D. Scholars by conducting Department-level review meetings prior to their Annual Presentations and manage all the documents of Ph.D. Scholars. This Program also encourages the Ph.D. Scholars to participate in various research oriented technical talks, workshops and cultural and technical competitions. Ph.D. Programme mainly aims to produce a quality research at collective growth of Ph.D. scholars as a community in which peers help out each other to bring out a collaborative research for the betterment of the department.

This programme enables the Ph.D. scholars to learn and to grow together inline with their focus and objectives. Being a researcher is not just about publishing manuscripts in journals/conferences, it's about exploring their area of research with a proper solution.

The Ph.D. Programme of Computer Science and Engineering department focuses on the following areas of research:

- Data Science
- Cyber Security
- Image Processing
- Networking
- Cloud Computing
- Natural Language Processing
- Artificial Intelligence
- Computer Architecture

1.2 Purpose of Manual

This document has been prepared to make the activities of Ph.D. Program clear to all the stakeholders. This document may be made available to the Ph.D. Scholars so that they may have clarity on the process and procedure to carry out their research.

2. Standard Operating Procedure

The Ph.D. Program is coordinated by the following members:

- Head of the Department
- Research Coordinators
- Supervisor
- Research Advisory Committee (RAC) members

2.1 Course Work

2.1.1 The applications for the Ph.D. program can be submitted throughout the year. Application verification, followed by written exam and Interview will decide admission process at two times per year in June and December respectively.

2.1.2 Course work will be conducted for Admitted scholars for about 4 months. Once the scholar clears Course work, he/she will be provisionally admitted to Ph.D. program.

Course Work Details

| S. No | Sub-Code | Subject Title |
|-------|----------|-------------------------|
| 1 | RES131 | Foundations of Research |
| 2 | RES132 | Research Publication |
| 3 | RSS131 | Methods in Research |
| 4 | RSC132 | Research Writing |

2.1.3 Every scholar will be allocated with a Guide and two RAC members by the Centre for Research, Central Campus, CHRIST.

2.1.4 Areas of specialization: Data Science (DS, AI, ML), Networks (Networks, NS, WSN, MSN etc.), IMP, SE and allied subjects, Cloud and so on.

2.2 Guide Allotment

2.2.1 Regulations for Guide allotment are based on the following criteria:

- ❖ Guide's qualifications
- ❖ Experience
- ❖ Area of study
- ❖ Vacancies available
- ❖ No. of scholars allotted in that particular year
- ❖ Acceptability of Guide

2.3 Post the course work at Deanery Level

2.3.1 Every scholar has to give two department level presentations before the Panel consisting of Head of Department, Research Coordinators at Department level, Guide and RAC members. (Schedule will be intimated in prior dates)

2.3.2 Followed and accepted for two Department presentations, the scholar will be eligible for Title defense at Deanery level.

Title defense – Contents are listed as follows:

- Title defined
- Literature study
- Gaps identified in the proposed area of work
- Base paper identification
- Problem statement
- Objectives
- Methodology
- References.

2.3.3 Every scholar has to give and clear Biannual presentations every year. The panel constitutes DC (Doctoral Committee) comprising Head of the Department, Department RC's, Guide, RAC members with special Invite as Dean, Research Coordinator (Dean, University level). The flow of work will be

- Course work
- Title defense (After 2 department presentations and acceptance)
- Biannual presentations
- Quality publications in SCI, ESCI, SCOPUS, WOS and so on in Journals/ Conferences.
- Pre-Synopsis, Synopsis, Thesis submission.

2.4 Policy for Pre-Synopsis and Synopsis

2.4.1 The clearance for Pre-synopsis seminar will be given by the Doctoral Committee Comprising of Head of the Department, Research Coordinator (Deanery, Department, Guide, RAC Members, Special Invite from Centre for Research Studies and Dean, SOET) based on a detailed written assessment of the thesis, provided that a minimum of two research paper has been accepted for publication/published in SCI/SCIE/SCOPUS/WOS Journals (which are not paid journals). The Supervisor(s) must certify that these research papers form a substantive part of the Ph.D. dissertation.

- Waiver on this condition may be considered on a case-to-case basis.
- Number of publications will be at discretion of the Head of Dept. and Guide.
- SCOPUS/ WOS publications must be indexed continuously with a minimum span of 10 years.

2.5 Duration of the Programme


2.5.1 Full-time candidates can leave the Institute for taking up jobs, only after submission of synopsis of the thesis.

2.5.2 A part-time candidate can submit the synopsis only after a minimum period of study of 36 months from the date of registration.

2.6 Progress Report

- 2.6.1 A research scholar shall submit a written report of work done by him/her in the prescribed proforma to the Guide who shall forward it to the DC within two weeks before the end of each 6 months period from the date of registration up to submission of Work for Pre-synopsis.
- 2.6.2 A research scholar shall appear before the DC twice a year for the first 3 years and once a semester / Specified duration thereafter for progress evaluation.
- 2.6.3 Progress evaluation meetings of the DC will be convened by the Chairman/Head of the Department, DC in April and in November to assess the progress in his/her research work and recommend renewal of scholarship/Part time Teaching / Research Assistantship / registration wherever applicable. If the progress of the research scholar continues to be unsatisfactory, the DC can recommend the cancellation of registration.
- 2.6.4 Once the scholar clears Pre-synopsis and Synopsis, they will be permitted to submit a thesis for Final evaluation by reviewers.




Head of the Department
Computer Science and Engineering
CHRIST (Deemed to be University)
Bengaluru - 560 074