Ph.D. Operation Manual

Standard Formats for Research Scholars

Batch: 2025 (B)



Research Division UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA

nif India Ranking-2024 (151-200)

Accredited 'A' Grade by NAAC

| Name : | |
|------------------|--|
| Enrollment No. : | |
| Department : | |
| Sahaal . | |



Salient Features of Ph.D.



University of Science & Technology Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

- 1. The first semester begins from the date of admission and the course work of one semester duration starts just after admission following the Orientation Programme.
- 2. The duration of the Ph.D. programme shall be counted from the Date of admission. The minimum duration is of three years, including course work and maximum of six years.
- 3. School Research Committee (SRC) in consultation with the Head of Department of the respective Departments shall decide on appropriate allocation of Supervisor to the Respective Candidates.
- 4. In case, a Scholar pursuing the research programme on a topic which are of inter-disciplinary/ multidisciplinary in nature involving two or more disciplines he or she may be allowed to opt for a Co–Supervisor (s) from the concerned discipline in addition to the Supervisor from parent discipline. Adjunct faculty members can act only as Co-Supervisor.
- 5. A Concept note (within 500 words) is to be submitted by the scholar during the time of Course Work.
- 6. The one semester of the Ph.D. Programme shall be dedicated to Course work equivalent to minimum 16 credits as per UGC Guidelines. There will be four courses as mentioned in the syllabus for the course work. There will be three sessional tests out of which marks best of two tests will be counted for award of internal assessment marks and one End term examination will be conducted after 6 months. The Scholars must have requisite percentage (75%) of class attendance on Research Methodology Courses to be eligible to appear in the End term Examination. A minimum of 55% pass marks to be obtained in the coursework final examination.
- 7. Research scholar should publish an article in any National/ International Journals on review of literature related to their Ph.D Course work Paper (Code No. Ph.D-104- Review of Related Literature) before Synopsis presentation.
- 8. On successful completion of Course work, a course completion certificate shall be issued from the Controller of Examinations and Admissions.
- 9. A Ph.D. scholar will be eligible for submission of synopsis for registration only after successful completion of Ph.D. Course Work. Synopsis has to be submitted for presentation.

- 10. The presentation of the synopsis by the candidate is made before the external expert and members of the Departmental Research Committee (DRC)/Research Advisory Committee (RAC) and School Research Committee (SRC). The scholar after DRC/RAC and SRC approval recommended for the Registration Certificate from the Office of the Academic Registrar.
- 11. A scholar will have to present and submit six monthly progress of the research work before the DRC/RAC and the external Expert for regular review.
- 12. The Scholar will be allowed to present the six monthly progress / Pre Thesis and other only after clearance of Semester fees.
- 13. After successful completion of submission of four progress reports, the Ph.D. scholar is eligible for the presentation of Ph.D. work (pre thesis submission). Before pre thesis submission, it is mandatory for the scholar to present their research work in at least three seminars/conferences related to the topic of Ph.D. work. The Research scholars shall publish at least One Research Paper every semester in reputed peer reviewed international and national Journals (e.g Scopus, Web of Science, Spinger Nature, Q1 Listed/ Q2 Listed etc.) during the Ph.D. programme before submission of the Pre-thesis acknowledging the University with the name of the supervisor as one of the author. He/she must produce the evidence of the same and submit a copy of research paper in Research Division. Publications in predatory and clone journals shall not be considered.
- 14. Only those published Research papers shall be considered for fulfillment of requirement of Ph.D. Programme which include the name of Research Scholar, name of Supervisor, the department and the University clearly in the affiliation of the published Research papers.
- 15. The Scholar should attend all research related seminar/ Conference/ Workshops conducted by USTM and must participate actively in the research related activities of the School/ Department.
- 16. The scholar will be eligible for submission of thesis after the recommendation of Pre Thesis submission of presentation by the concerned SRC and external expert.
- 17. The thesis submission will only be allowed after verification of the thesis by a three member committee constituted by SRC and upon submission of other relevant clearance formats (Referred under General Instruction page 3). The Scholar has to get the certificate from the Librarian for Plagiarism check as per the UGC Regulation using DrillBit software.
- 18. The Scholar shall pay all the semesters fee as per the semester fee structure given in the Ph.D. Information Brochure and get clearance from the Finance Officer of the University.
- 19. It is mandatory for the Ph.D. scholars to attend the Scholars'-Guides' meet organized by the University from time to time.



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

GENERAL INSTRUCTIONS

- 1. The Ph.D. Operation Manual contains various formats to be submitted by the scholar as from time to time according to Ph.D. guidelines of the University.
- 2. The booklet contains 41 pages.
- 3. PhD scholars have to abide by the rules and regulations as provided in the format and are advised to strictly adhere to the format.
- 4. No contents provided in the format should be changed or manipulated by the Scholar.
- 5. The instructions provided in each page are to be carefully read and followed as instructed.
- 6. To avoid delay in processing your thesis the Scholar should complete the thesis submission form at least two months ahead of the actual date of submission.
- 7. The Ph.D. Scholar should follow the Ph.D. activity calendar from time to time.
- 8. Your Supervisor (s) should sign the thesis in the appropriate place.
- 9. The following items must be included along with the application for thesis submission (Format K) form
 - I. Duly filled in formats H (office use), I, J completed in all respects
 - II. Thesis examination fee payment receipt.
 - III. A spiral binding of thesis is to be submitted to the Research Division for checking. After clearance of spiral binding thesis by Research Division, scholar may submit the thesis in soft binding form (six copies)
- 10. If the progress report is not submitted in the stipulated time, then it shall be allowed only in the next semester.
- 11. The Ph.D. Scholar is advised to read the prescribed Ph.D. rules and regulations as given by University Grants Commission (UGC) from time to time.



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Ph.D. ACTIVITY CALENDAR (Tentative)

| Sl. | Schedule | Tentative Date for 2025 (B) Batch |
|-----|---|--|
| No. | | |
| 1 | Commencement of PhD Course | Second week of August-2025 |
| | Work | |
| 2 | 1 st sessional examination | Fourth week of September-2025 |
| 3 | 2 nd sessional examination | Fourth week of October-2025 |
| 4 | 3 rd sessional examination | Fourth week of November-2025 |
| 5 | Ph.D. Course Work final | Third week of January-2026 |
| | examination | |
| 6 | Synopsis presentation | Within June-2026 |
| 7 | Progress report presentation (1st) | Within December -2026 |
| 8 | Progress report presentation (2 nd) | Within June-2027 |
| 9 | Progress report presentation (3 rd) | Within December -2027 |
| 10 | Progress report presentation (4 th) | Within June-2028 |
| 11 | PreThesis submission | Within December -2028 |
| 12 | Thesis submission | Within June-2029 |
| | | (Depending on the date of Pre Thesis submission) |

N.B. Above Schedule is subject to revision on confirmation by the Department based on the availability /convenience of the Invited Expert.



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

SCHEDULE OF PAYMENT OF FEES FOR PhD DEGREE PROGRAMME

Fee Structure for Batch: 2025 (B)

| SI. | Name of Course | Admission | Course work | Caution Deposit | Tuition Fee | Thesis Submission Fee |
|-----|-----------------------|-----------|-------------|-----------------|--------------|-----------------------|
| No | | Fee | Fee | (Refundable) | Per Semester | (at the time of |
| | | | | | | submission of thesis) |
| 01 | Ph.D. (Other than | 60,000/- | 8000/- | 10,000/- | 70,000/- | 50,000/- |
| | Science & | | | | | |
| | Engineering Subjects) | | | | | |
| 02 | Ph.D. (Science & | 60,000/- | 8000/- | 20,000/- | 80,000/- | 50,000/- |
| | Engineering Subjects) | | | | | |

N.B. The Caution money is to be deposited at the time of Admission/ before commencement of course work

Tentative Payment Schedule (Time to time notification may also given):

| Description | Date of Payment 2025 (B) Batch |
|---------------------------------------|---|
| Admission Fee | On the day of Admission |
| 1st Semester Fee | On or before 10 th October, 2025 |
| 2nd semester Fee | On or before 10 th April, 2026 |
| 3rd semester Fee | On or before 10 th October, 2026 |
| 4th semester Fee | On or before 10 th April, 2027 |
| 5th semester Fee | On or before 10 th October, 2027 |
| 6th semester Fee | On or before 10 th April, 2028 * |
| Thesis Examination Fee at the time of | 50,000/- |
| submission of thesis | |
| Hostel Fee (Optional) | To be paid on or before 15th of each month. |
| Bus Fee (Optional) | To be paid quarterly |

N.B. *Semester Fee is applicable up-to the day of submission of Thesis. If semester fee is not paid before the last date of payment/as per notification, the registration will be cancelled for the next semester. In such case, one has to get readmitted by paying admission fee to continue in the next semester.



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for Course work Examination

| To, | Dated: |
|--|---------------------|
| The Controller of Examinations & Admissions University of Science & Technology, Meghalaya 9 th Mile, Kling Road, Ri-Bhoi, Pin: 793101 | |
| Sub: Application for Course work Examination | |
| Sir/Madam, | |
| I, bearing Enrollment No in the Department of would like to appear examination to be held on | for the Course work |
| Thanking you | |
| Yours Sincerely | |
| Name: Enrollment No.: Department: School: | |
| Date: Place: | |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for Synopsis Submission

| To, | Dated: |
|--|--|
| The Academic Registrar University of Science & Technology, Meghal 9 th Mile, Kling Road, Ri-Bhoi, Pin: 793101 | laya |
| Sub: Application for Synopsis Submission | |
| Sir/Madam, | |
| scholar in the Department of and have received my Course completion ce | g Enrollment No, a Ph.D. have completed my Course work requirements rtificate on |
| Thanking you | |
| Yours Sincerely | |
| Name of Scholar: | Approved and Forwarded by |
| Enrolment No.: | Supervisor: |
| Department: | HoD: |
| School: | Dean: |
| Date: | |
| Place: | |

Sample Format Format-C



Ph.D. Synopsis Title of the Synopsis SUBMITTED TO

University of Science & Technology, Meghalaya

Name of the Scholar: Enrollment No.:

| <u>Under the Supervision of:</u> | | |
|-----------------------------------|-------|-------|
| Name of Supervisor (s): | | ••••• |
| Name of Co - Supervisor (If any): | ••••• | ••••• |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

(Ph.D. Synopsis Format)

| Na | ame of the Scholar Mr. /Ms/: | |
|----|---|---|
| Er | nrollment No: | |
| De | epartment: | |
| Sc | chool: | |
| Na | ame of Supervisor: | |
| Na | ame of the Co- Supervisor (if any): | |
| | Proposed con | tent of Synopsis |
| a. | Title: | |
| b. | Introduction: | |
| c. | Importance of present work: | |
| d. | Review of literature: | |
| e. | Objectives: | |
| f. | Research question/ hypothesis (if any): | |
| g. | Materials and Methods/ Methodologies/ A | pproach(es) applied: |
| h. | Bibliography/ References: | |
| | | |
| Si | gnature of Supervisor | Signature of Scholar |
| | ate: | Date: |
| Dί | ate. | Date. |
| Si | gnature of Co - Supervisor (if any) | Signature of the Head of the Department |
| | ate: | Date: |
| יכ | | Dute |

Note: The Ph.D. scholars shall have to follow the above format while preparing the Synopsis.

Sample Format Format-D



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for Progress report submission

| To, | Dated: |
|---|---|
| The Academic Registrar University of Science & Technology, Meghalaya 9 th Mile, Kling Road, Ri-Bhoi, Pin: 793101 | |
| Sub:_Application for Progress Report Submission | |
| Sir/Madam, | |
| I, bearing Enrollment Nother Department of would like my First /Second /Third/Fourth Progress Report on | ce to request you to allow me to submit |
| Thanking you | |
| Yours Sincerely | |
| Name of Scholar: Enrollment No.: Department: School: | |
| | Forwarded by: |
| | Supervisor: |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

(Ph.D. Progress Format)

| Na | me of the Scholar Mr. /Ms/: | | | |
|-----|--|---|--|--|
| En | rollment No: | | | |
| De | partment: | | | |
| Sc | hool: | | | |
| Na | me of Supervisor: | | | |
| Na | ame of the Co-Supervisor (if any): | | | |
| | Proposed con | tent of Progress Report | | |
| a. | Title: | | | |
| b. | Suggestion & modification of previous pres | sentation: | | |
| c. | Objectives: | | | |
| d. | Materials and Methods/ Methodologies: | | | |
| e. | e. Detail Report: | | | |
| f. | Bibliography/ References (if any): | | | |
| g. | Work Plan for Next Semester: | | | |
| | | | | |
| Sig | gnature of Supervisor | Signature of Scholar | | |
| Da | te: | Date: | | |
| | | | | |
| Sig | gnature of Co - Supervisor (if any) | Signature of the Head of the Department | | |
| Da | te: | Date: | | |
| | | | | |
| | | | | |

Note: The Ph.D. scholars shall have to follow the above format while preparing the Progress Report.



FIRST PROGRESS REPORT

| | (From | to |) |
|-------------------------|-------|---------|----------------------------------|
| Topic of the Thesis: | | | |
| | | | |
| Submitted by | : | | |
| Enrollment No. | ÷ | | _ |
| Department School | | | |
| Date of Admission | | | |
| Submitted on | | | |
| | | | |
| | | | |
| Signature of the Schola | r | | nature of the Supervisor (s) me: |
| | | 2) Sign | ature of the Co- Supervisor |
| | | (if a | ny): |
| | | Nan | ne: |

Sample Format -E (i)



SECOND/THIRD/FOURTH PROGRESS REPORT

| | (From | to |) |
|--------------------------------|-------|---------|------------------------------|
| Topic of the Thesis: | | | |
| Submitted by | : | | |
| Enrollment No. | | | |
| Department | | | |
| School | | | |
| Date of Admission Submitted on | | | |
| | | | |
| | | | |
| Signature of the Schola | r | 1) Sigr | nature of the Supervisor (s) |
| | | . • | me: |
| | | 2) Sign | nature of the Co-Supervisor |
| | | (if a | any): |
| | | Nar | • |

Sample Format -E (ii)



University of Science & Technology, Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

(Format to be submitted by Ph.D. Scholar)

Correction/ Modification of

(Synopsis/Progress Report/Pre-Thesis/Thesis)

| 1. Nam | ne of the Scholar: | |
|----------|---|------------------------------------|
| 2. Enro | ollment No.: | |
| 3. Scho | ool | Department |
| 4. Title | e of research: | |
| | | |
| Sl. | Suggestions Given by Expert | Modified Contents as suggested |
| No. | Suggestions Given by Expert | Widdined Contents as suggested |
| 110. | | |
| | | |
| | | |
| •••• | | |
| NR S | eparate sheet may be used as annexure a | long with this format |
| 112.5 | oparate sheet may be used as unitexare a | with time formute |
| Signa | ature of the Scholar | 1) Signature of the Supervisor (s) |
| 6 | | Name: |
| | | |
| | | 2) Signature of the Co- Supervisor |
| | | (if any): |
| | | Name: |
| Forw | arded by HOD/Chairperson, DRC/RA | AC: |
| Name | e: | |
| | ature with Date | |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for Pre - Thesis submission Seminar

| To, | Dated: |
|---|-------------------------------------|
| The Academic Registrar University of Science & Technology, Meghalaya 9 th Mile, Kling Road, Ri-Bhoi, Pin: 793101 | |
| Sub: Application for Pre Thesis Submission Seminar | |
| Sir/Madam, | |
| I bearing Enrollment No Department ofhave submitted my First Report and it has been approved by SRC and DRC/RA you to allow me for the Pre- Thesis Submission. | , Second, Third and Fourth Progress |
| Thanking You | |
| Yours Sincerely | |
| Name of Scholar: Enrollment No.: Department: | |
| School: | Forwarded by: |
| | Supervisor: |
| | HoD/Chairperson DRC/RAC: |
| | Dean: |

Sample Format - G

Pre-thesis Seminar

| Topic of the Thesis: |
|--|
| |
| Unveiling Excellence |
| Submitted by |
| Name: |
| Enrollment No: |
| Department of |
| School of |
| University of Science & Technology Meghalaya |
| |
| Under Guidance of |
| Prof/ Dr |
| |
| Signature of the Scholar Signature of the Supervisor (s) |

5.

6.

Name of Research Scholar:



Department:

University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

CHECKLIST BEFORE SUBMISSION OF THESIS

| Enrolln | nent No.: | | |
|---------|---|------------------------|------------------------|
| | lowing requirements were checke tee along with the Thesis: | ed & verified by a thr | ee member verification |
| Sl. No. | REQUIREMENT | | REMARKS |
| 1. | COURSE WORK CERTIFICATE | | |
| 2. | SYNOPSIS REPORT | | |
| 3. | PROGRESS REPORT-1 | | |
| 4. | PROGRESS REPORT-II | | |
| 5. | PROGRESS REPORT-III | | |
| 6. | PROGRESS REPORT-IV | | |
| 7. | PAPER PUBLICATIONS | | |
| 8. | PAPER PRESENTED IN | | |
| | CONFERENCE/WORKSHOP/SEMINA | | |
| 9. | PRE THESIS SUBMISSION REPORT/ | | |
| 10. | DESIGN /STYLE OF TEXT/CONTENT | | |
| 11. | CLEARENCE FROM LAB/LIBRARY/A | ACCOUNTS | |
| | ral by the Ph.D. Committee: | I D. J. J. G. | |
| Sl. No. | Name | Designation | Signature |
| 1. | | Chairman | |
| 2. | | Member | |
| 3. | | Member | |
| 4. | | Member | |

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Member

Convener



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Clearance Form

| 1. Name of the Scholar |
|---|
| 4. Category (please tick): Full time /Project Fellow. |
| 5. a) Name of Supervisorb) Name of Co-Supervisor |
| Department: No. of Books issued from Book Bank No. of books issued from Reference Section This is to certify that all the books issued from Reference Section of the Department have been returned to the Departmental Library and all books issued from Book bank in the previous semester(s) have also been returned to the library. |
| Signature of HoD Date: |
| Library: No. of Books issued from Book Bank No. of books issued from Reference Section This is to certify that all the books issued from Reference Section have been returned to the Library and all books issued from Book bank in the previous semester(s) have also been returned to the library. |
| Librarian, USTM Date: |
| Laboratory (if utilized by the Ph.D. Scholar) This is to certify that there is no loss or damage/the following loss or damage caused to the laboratory equipments, furniture and fixtures. |
| Name of the equipment/accessories 1. 2. 3. 4. |
| Signature of Lab In-charge Date: |

| Hoster: |
|--|
| This is to certify that there is no loss or damage/the following loss or damage caused to the |
| hostel/hostel furniture and fixtures. |
| noster noster runnture and fixtures. |
| |
| Hostel supervisor /Warden |
| Date: |
| |
| Accountry |
| Accounts: |
| |
| The following is the position of payment of fees: |
| |
| Admission fee – paid/pending: |
| Admission rec – pard/pending. |
| |
| Course Work Fee- paid/pending |
| |
| Caution money- paid//pending: |
| causes money parameter than the cause of the |
| |
| Semester fee – paid//pending: |
| |
| Bus fee- paid//pending: |
| |
| Hestel fee maid//mandings |
| Hostel fee- paid//pending: |
| |

Hostel:

Finance Officer/Accounts officer Date:....

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Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for submission of Thesis Fee

| To, | Dated: |
|---|---------------------------------------|
| The Finance Officer University of Science & Technology, Meghalaya 9 th Mile, Kling Road, Ri- Bhoi Pin: 793101 | |
| Sub: Application for Thesis submission Fee. | |
| Sir/Madam, | |
| I, bearing Enrollment No Department ofhave fulfilled all the Phregulations of the University. Therefore I request you fee. | n.D requirements as per the rules and |
| Thanking you | |
| Yours faithfully | |
| (Signature) | |
| Name of the Scholar Enrollment No. Mobile No: E-mail ID: | |
| Forwarded by: | |
| Supervisor: | |
| Academic Registrar | |

Sample Format – K



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for submission of Thesis

| To, | Dated: |
|--|---|
| The Controller of Examinations & Admis | ssion |
| University of Science & Technology, Meg | ghalaya |
| 9 th Mile, Kling Road, Ri-Bhoi, | |
| Pin: 793101 | |
| Sub: Application for Thesis submission | |
| Sir/Madam, | |
| Department of | ment No, a Ph.D. scholar in the led all the Ph.D. requirements as per the rules and I request you to allow me to submit 6 copies of soft " for the further processing The fee receipt of thesis submission fee attached |
| Thanking you | |
| Yours faithfully | |
| (Signature) | |
| Name of the Scholar | |
| Enrollment No. Mobile No: E-mail ID: | |
| | Forwarded by: |
| | Supervisor: |
| | HOD: |
| | Dean of School: |
| | Dy. Director (Research) |
| | Academic Registrar |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for submission of Hard Bind Thesis

| To, | Dated: |
|---|---|
| The Controller of Examinations & Admission | |
| University of Science & Technology, Meghalaya | |
| 9 th Mile, Kling Road, Ri-Bhoi, | |
| Pin: 793101 | |
| Sub: Application for Hard Bind Thesis submission | |
| Sir/Madam, | |
| I, bearing Enrollment No Department ofhave appeared viva-voce fulfilling all the Ph.D. requirements as per the rules Therefore I request you to allow me to submit 3 cop "" for the further process Degree. | examination on and regulations of the University. |
| Thanking you | |
| Yours faithfully | |
| (Signature) | |
| Name of the Scholar | |
| Enrollment No. Mobile No: E-mail ID: | |
| Forwarded by | y: |
| Supervisor | |

TITLE OF THE THESIS

THESIS SUBMITTED TO UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA IN PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE OF DOCTOR OF PHILOSOPHY IN

By

Name of the Ph.D. Scholar

Enrollment No:



DEPARTMENT OF SCHOOL OF...... UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA

Techno City, Kling Road, 9th Mile, Baridua, Ri-Bhoi Meghalaya-793101, India

Year:

| Spine: | | |
|--------|-------|--|
| Ph.D. | Title | Author's name (Surname first) in brief |
| | | |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

CONTENTS OF THE THESIS

A. PRELIMINARY PAGES

- i. Title page (same as in the cover page)
- ii. Dedication (if any)
- iii. Self Declaration
- iv. The certificates signed by the guides. In case of joint guidance, both the guides shall sign in the same certificate including co guide, if any
- v. Pass certificate of Course Work final Examination
- vi. Certificate of Completion of Course Work and other activities of the Program as per guidelines
- vii. Certificate of Plagiarism from USTM librarian.
- viii. Acknowledgement
- ix. Table of Contents
- x. List of Tables
- xi. List of Figures
- xii. Abbreviations
- xiii. Appendix
- xiv. Abstract

B. MAIN BODY OF THE THESIS (BROADLY):

The detailed organization of the text may vary with the thesis in different subjects, but a consistent style may be followed. In general, the text may be dived into

- I. Introduction
- II. Review of Literature
- III. Methodology
- IV. Research work (actual research work of the scholar)
- V. Results
- VI. Discussion, analysis and interpretation
- VII. Summary
- VIII. Suggestions for future work and application if possible
 - IX. References
 - X. Reprints of published papers on the topics
 - XI. Appendices
- XII. Details of patent if applied

The text of the thesis may also include certain materials such as illustration, tables, photographs, chemical and mathematical formulae and footnotes, as needed to support and justify the research work carried out. Point IV can be sub categorized as per the need of the discipline of research work.



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Guidelines for thesis preparation

- 1. All copies of the thesis will be printed or word processed on standard A-4 size paper. The right margin should be 2.5 cm, the left margin 3.75 cm, the top margin 3.75 cm and the bottom margin 3.75 cm. Material should be printed on both sides of the paper. All textual material should be composed in Times New Roman font (12 point) and 1.5-spaced. All subheadings should be uniform and shall be written in 14 point. Different font size and spacing may be used for quotations, footnotes, tables and figures, appendix and index, (if any). Same style and type should be used throughout the thesis for clarity and uniformity. Throughout the manuscript an indentation of five spaces or as required in a standard word processor should be used at the beginning of paragraph and quotations. Dividing of words at the end of the line should be avoided as far as possible. Where it is necessary, hyphenation may be used.
- 2. The Maps and drawings may have appropriate size as advised by the Guide. But the thesis will have reduced version to A4 size. A set of copies as per the size suggested by the Guider for clarity to be submitted to COEA both in hard and soft copy
- 3. The title page (including the cover) should include the following Title of the thesis, Name of the degree, Logo of USTM, Name of the Scholar of the thesis, Department under which the Scholar has registered and the Year of submission. The titles should be in capital letters beginning six spaces from the top of the page. If the title is too long to be centered on one line, an inverted pyramid style should be followed, without splitting words or phrases. Below the title, other items may be centered or balanced against the left and right margins of the page. Other items should not be typed in capital letters, only the initials of the principal words be capitalized. Name of the degree, title of the thesis and short name of the author, the year of submission be embossed / printed also on the spine of the cover of the final copy of the thesis in the hard bond form.
- 4. Formats for References in Thesis:

FORMAT A – PAPER PUBLISHED IN JOURNAL

Avoidh, E. M., Bertolotto, M., & Wilson, D. C. (2012). Towards dynamic behavior – based profiling for reducing spatial information overload in map browsing activity. *GeoInformatica*, 16(3), 409 -434. http://dx.doi.org./10.1007/s10707-011-0137-4

FORMAT B – ARTICLE/ PAPER/ CHAPTER PUBLISHED IN BOOK, SYMPOSIA, PROCEEDINGS ETC

Haybron, D. M. (2008). Philosophy and the science of subjective well – being. In M. Eid & R. J. Larsen (Eds.), *The science of subjective well - being* (pp. 17 – 43). New York, NY: Guilford Press.

FORMAT C - BOOK ETC

BOOK

Shotton, M. A. (1989). Computer addiction: A study of computer dependency. London: Taylor & Francis

5. The Color of the thesis cover shall be as given below:

| SCHOOLS | COLOR |
|---|-------|
| | |
| Business Sciences, Social Sciences & Humanities, USLR | Blue |
| Applied Sciences, Biological Sciences, Technology & | Brown |
| Management, Allied Medical Science, Pharmaceutical | |
| Science | |

6. The candidate shall submit six copies of the thesis in soft binding. However, a scholar shall have to submit one copy of the thesis in a hard bound form within one month *from the date of viva-voce* for preservation in the library, with all original size of Maps and Drawings, if any.

Ph.D. SUMMARY PERFORMANCE SHEET AT A GLANCE (Sample)



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Ph.D. Summary Performance Sheet at a Glance

| School Topic of Research Date of Admission Enrollment Number Post Graduation (Name of the University) Employed (Organization) / Not employed Synopsis presentation date Category Name of Guide Course Work Attended / completed Progress Report Presented –III Invited Expert: Prechesis seminar presented Invited Expert: Pre-thesis seminar presented Invited Expert: Pre-thesis seminar presented Invited Expert: Pre-thesis seminar presented Invited Expert: Autional | | Department Post Graduation Perc Registration se work percentage ress Report Presented ed Expert: ed Expert: s Submitted on s Submitted an | nitage ——II | Annexure II |
|--|-------------------|---|-------------------|---------------|
| Title | Impact Factor(IF) | Title | Impact Factor(IF) | |
| | | | unpact ractor(ir) | |
| Comingra/Conference (Web show Attended | Notional: | International | | III outtoning |



Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Ph.D. Summary Performance Sheet at a Glance

| Viva Voce conducted | conducted | | Date: | te: | | |
|------------------------------|-----------|-------------|-------|-----|--------|-----------|
| Category of Research Scholar | | | | | | |
| Observation: | | | | | | |
| External Expert | A | | В | | C | |
| Name & Designation: | | | | | | |
| Chancellor's nominee | A | | В | | J | |
| A=Excellent | | B=Very Good | | | C=Good | |
| | | COMMENTS BY | TS BY | | | |
| External Expert | | | | | Signs | Signature |
| Chancellor's nominee | | | | | Sign | Signature |
| | | | | | | |

Academic Registrar

Controller of Examinations & Admissions



Format-O (For official Use)

University of Science & Technology, Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

ACCOUNTS DETAILS OF THE SCHOLAR

| SL No | HEAD | AMOUNT | DATE OF PAYMENT |
|-------|---------------------------|--------|-----------------|
| 1. | ADMISSION FEES | | |
| 2. | FIRST SEMESTER FEES | | |
| 3. | SECOND SEMESTER FEES | | |
| 4. | THIRD SEMESTER FEES | | |
| 5. | FOURTH SEMESTER FEES | | |
| 6. | FIFTH SEMESTER FEES | | |
| 7. | SIXTH SEMESTER FEES | | |
| | | | |
| | THESIS SUBMISSION FEES | | |

| Verified by Finance Officer | Approved by Academic Registrai |
|-----------------------------|--------------------------------|
| Signature: | Signature: |
| Date: | Date: |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for a Supervisor /change of Supervisor

| | 1. | Name: | | |
|---|--|---|---|--|
| | 2. | School: | | |
| | 3. | Department: | | |
| | 4. | Enrollment No: | | |
| | 5. | Category (Please tick): Full | time/ Part time/ Sponsored | d/ Project fellow |
| | 6. | a) Name of Present Superv | visor: | Department: |
| | | b) Name of Co- Supervisor (| (if any) | Department |
| | 7. | Date of Enrollment | | |
| | 8. | Ph.D. Registration complete | ed: Yes/No. If yes Regn. N | No Date |
| | 9. Title proposed at the time of submission of Synopsis: | | | |
| | 10 | O. Stage of Research: (Tick th | e relevant one) | |
| | | a. Literature survey d. Analysis | o. Registration done e. Writing the thesis | c. Field work / data collection |
| | 11 | 1. Name of the new Supervisor | or proposed: | |
| | 12 | 2. Reason for the change soug | tht (Tick any one): | |
| | | | ty b.Long sickness than 1 year) f. Demise | c. Technical d. Superannuation g. Others (specify) |
| | 13 | 3. In case of change, commen | ts of existing Supervisor {i | n the case of 11 (f) not applicable} |
| | 14 | 4. Comment of the proposed r | new Supervisor (Signature | with Date): |
| | 15 | 5. Comment of HoD in case o consent or otherwise with | | ther department (indicating his /her |
| C | hairı | rman, DRC/RAC | Chairman, SRC | Signature of the Schola |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for a Co-Supervisor Allotment

| 1. | Name: |
|----------|---|
| 2. | School: |
| 3. | Department: |
| 4. | Enrollment No: |
| 5. | Category (Please tick): Full time/ Part time/ Sponsored/ Project fellow |
| 6. | Name of Supervisor:Department: |
| 7. | a) Name of Co-Supervisor to be allotted: |
| | b) Address: |
| 8. | Title of proposed research work: |
| 9. | Justification for requirement of Co-Supervisor: |
| 10. | In case of allotment, Comments of the Supervisor (Signature with Date) |
| 11. | Comment of HoD/Dean in case of allotment of Co-Supervisor (indicating his/her consent or otherwise with specific reason): |
| | Signature of the Scholar |
| | |
| Chairman | , DRC/RAC Chairman, SRC |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application for Change of Department

| 1. Name: | |
|--|--|
| 2. School: | |
| 3. Department: | |
| 4. Enrollment No: | |
| 5. Category (Please tick): Full time/ Par | rt time/ Sponsored/ Project fellow |
| 6. a) Name of Supervisor: Department | |
| b) Name of Co- Supervisor (if any) _ Department | <u></u> |
| 7. Date of Enrollment | |
| 8. Ph.D. registration completed: Yes/N | o. If yes Regn. No Date |
| 9. Reason for the change sought (Tick a | any one): |
| 10. Comment of the proposed new Super | visor (Signature with Date): |
| 11. Comment of HoD in case of the prop consent or otherwise with specific re | osed change to other department (indicating his /her eason): |
| | Signature of the Scholar |
| Chairman, DRC/RAC | Chairman, SRC |
| | Date: |

Sample Format Format-R



University of Science & Technology, Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Sponsorship Certificate in Official Letter Head

| To, | | Dated: |
|--------------------|---------------------------------------|--|
| The A | Academic Registrar | |
| Unive | ersity of Science & Technology, Megha | alaya |
| 9 th Mi | ile, Kling Road, Ri-Bhoi, | |
| Pin: 7 | 93101 | |
| Sub: | Sponsorship of Mr./Ms | |
| | for Ph.D. programme at USTM. | |
| Dear S | Sir/ Madam, | |
| | is hereby sponsored for car | who has been working in this organization as rying out the Ph.D. work at USTM from the session |
| | as a full time student. | |
| progra | - · | his/her duties in the organization to join the Ph.D. |
| | | |
| | | |
| Date: | | Signature: |
| Place: | | Name: |
| | | Designation: |
| | | Seal of sponsoring authority. |

Sample Format Format-S



University of Science & Technology, Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

No-Objection Certificate from Employer in Official Letterhead

| Ref No: | |
|--|--|
| To, | |
| The Academic Registrar | |
| University of Science & Technology, Megha | alava |
| 9 th Mile, Kling Road, Ri-Bhoi, | |
| Pin: 793101 | |
| Sub: No objection certificate | |
| Dear Sir/ Madam | |
| It is hereby certified that Mr./Ms | has been working in this organization |
| as | |
| This organization has no objection to h | nis/her being admitted to the Ph.D. programme at |
| USTM from the session starting on | |
| | |
| | |
| | |
| Date: | Signature: |
| | Name: |
| Place: | Designation: |
| | Seal of competent authority: |

Sample Format Format-T



University of Science & Technology, Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

No-Objection Certificate from Principal Investigator

(In case of Project Fellows) in the official letter head of Principal Investigator

| Ref No: | | |
|---|--|----------------------|
| To, The Academic Registrar University of Science & Technology | ogy, Meghalaya | |
| 9 th Mile, Kling Road, Ri-Bhoi, Pin: 793101 | | |
| Sub: No objection certificate Dear Sir, | | |
| | , is working as a in the department/ Centre I have no objection in allowing him / h gory of project fellow. | funded by |
| | owed to carry out his/her course work / research | ch work of the Ph.D. |
| Date: | Signature: Name: | |
| Place: | Designation | |
| | Seal of Principal Inves | stigator |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application form for Recognition of outside Laboratory/Dept

(To be filled by the Head of the Laboratory/Department/Centre)

- 1. Name of the Laboratory/Department/Centre:
- 2. Address: (with Tel/Fax/e-mail/web-site)
- 3. Name of the University/Institute/Organization:

Technical and Scientific Information:

- 1. Major activities of the Organization (Write in a separate sheet)
- 2. Details of facilities available with list of major equipment/ Instruments/Setup/Software/Plant /Other mechanisms)
- 3. Details of Library facilities (books and Journals):
 - a) Total books in the related field
 - b) Journals in the related field (give names)
- 4. List of computational facilities available (both *inside the laboratory and Common*)
- 5. Is there internet facility? (both inside the laboratory and common)



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application form for Recognition of outside Laboratory/Dept

Application form for Recognition of outside Laboratory/Dept

(To be filled by the Head of the Laboratory/Department/Centre)

Administrative Information:

- 1. Type of the Organization (Central Govt./State Govt./Public sector/Private sector/Autonomous body):
- 2. Name, designation and Address of the Head of the Organization:
- 3. Name, designation and Address of the Head of the Lab/Dept/Centre:
- 4. Major areas of activities (e.g. Biotechnology, Computer hardware etc.)
- 5. Any other information:

Certified that the information given above on this Laboratory/Department/Centre is furnished in connection with recognition of this Laboratory/ Department/ Centre by USTM for Ph.D. programme.

Signature of the Head of the Laboratory/Department/Centre
Name:
Designation:
Office seal with date:



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Application Form for extension of time for submission of Ph.D. thesis

| 1. Name: | | |
|---|------------------------------------|------------|
| 2. School: | Department: | |
| 3. Enrollment No: | | |
| 4. Category (please tick): Full time/P | Part time/Sponsored/Project Fellow | |
| 5. a) Name of Supervisor | | |
| b) Name of Co- Supervisor | Affiliation | |
| 6. Date of admission: | | |
| 7. Date of submission of Synopsis: | Semester No | Year |
| 8. Title of the Thesis: | | |
| 9. Duration of extension sought: | | |
| 10. Reasons for the extension sought: | : | |
| 1. Justification for the utilization of | the extended time | |
| | | |
| | | |
| Sanatura of Cahalar | Four woulded have | C |
| Signature of Scholar | Forwarded by | supervisor |
| Name: | | |
| | | |
| Signature: Date _ | Signature: | Date |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Format for Correction/ Modification in

(Synopsis/Progress Report/Pre-Thesis/Thesis/Thesis Evaluation)

(To be submitted by Chairperson of DRC/RAC and SRC)

| 1. Name of the Scholar: | | |
|---|-------------------------------|--|
| 2. Enrollment No.: | | |
| 3. SchoolDepartment | | |
| 4. Title of research: | | |
| | | |
| | | |
| 5. Report of Synopsis/Progress Report/Pre- | | |
| Thesis/Thesis(Separate sheet may be attached) | | |
| | | |
| Recommendations: | | |
| Comments from DRC/RAC (Separate sheet may | also be used if necessary): | |
| Commence is one 2 step, said (copulate one of me) | | |
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| | | |
| | | |
| | | |
| | | |
| Circumstance of Chairmannan DDC /DAC | Commanded by Chairmann CDC | |
| Signature of Chairperson, DRC/RAC | Forwarded by Chairperson, SRC | |
| Name: | Name: | |
| | | |
| Signatura | Signaturo | |
| Signature: | Signature: | |
| Date | Date | |



Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

(RAC Recommendation)

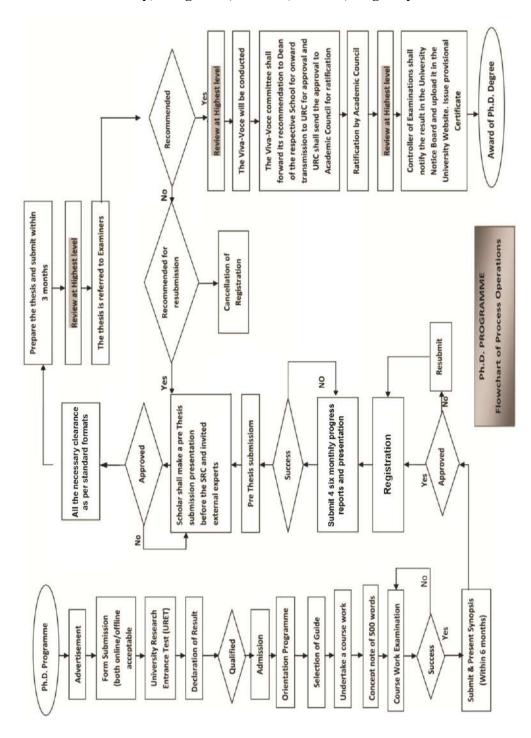
| 1. | Name of | f the Scholar: | |
|----|---------------------|------------------------|--------------------------|
| 2. | Enrollm | ent No.: | Category of Presentation |
| 3. | Departm | nent : | School : |
| 1. | Title of Research : | | |
| | | | |
| | | | |
| | Sl. No. | Name and Designation | Signature |
| | 1. | External Expert: | |
| | 2. | Convener (Supervisor): | |
| | | RAC Member | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | Recomm | nendations/ Remarks: | |
| | Signatur | re of Convener | Date: |

Ph.D FLOW CHART



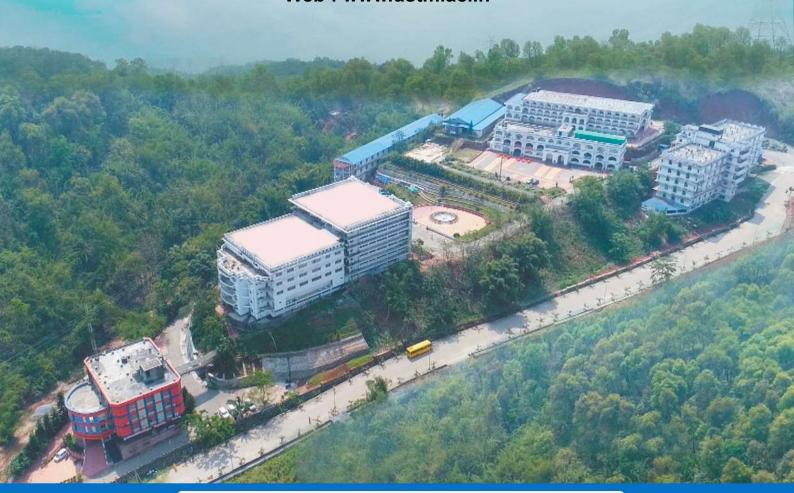
University of Science & Technology Meghalaya

Techno City, Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101



Techno City, Khanapara, Kling Road, Baridua 9th Mile, Ri-Bhoi, Meghalaya-793101 Ph. 0361-2895030/ 9859978137/ 07002303751

> E-mail: ustm2011@gmail.com Web: www.ustm.ac.in



IMPORTANT CONTACT NUMBERS

Registrar : +91 9864032522 Academic Registrar : +91 7002943146 Controller of Examination & Admission : +91 7002303751