



## **NUST PhD Policy**

**2024**

**Directorate of Advanced Research and Studies (DASR)**

## **Preface**

The NUST PhD Policy, as of September 5<sup>th</sup>, 2024, has undergone revisions, approved during the 66<sup>th</sup> to 69<sup>th</sup> Academic Council Meeting (ACM). This revised policy aims to consolidate all prior policy matters and essential documents into a user-friendly resource for the benefit of NUST students, faculty, institutions, and directorates. The update aligns with the recently approved Graduate Education Policy (GEP) by HEC and encompasses various aspects, including the PhD admissions, academic matters, selection of thesis evaluators, PhD supervision, NUST PhD Fellowship, and the assignment of duties to PhD students. All previous policy changes are considered null and void upon issuing this policy document.

## Table of Contents

Chapter I – PhD Admissions .....	1
1. PhD Admission, Eligibility and Processing.....	1
Chapter II: Conduct of PhD Programs.....	5
1. Guidance and Examination Committee (GEC) .....	5
2. PhD Coursework .....	6
3. Improving Cumulative CGPA .....	7
4. Qualifying Examination. ....	7
5. Publications .....	9
6. Scope of PhD Research .....	10
7. Evaluation of the Thesis. ....	10
8. Research Thesis Defense .....	11
9. Duration for Completion of PhD .....	12
10. Monitoring Cell.....	12
11. Specific Requirements Regarding PhD in Medical Sciences.....	14
12. Deferment of Semester(s) .....	14
13. Suspension of Semester(s) .....	15
14. Withdrawal from PhD program.....	15
15. Milestones in PhD Study .....	16
16. Responsibilities of DASR at Main Office, NUST.....	17
Chapter III: NUST PhD Fellowship .....	18
1. General .....	18
2. Scope .....	18
3. Scheme .....	18
4. Eligibility.....	18
5. Procedure for award .....	19
6. Hiring for On-campus jobs.....	20
7. Monitoring of Awardee's Academic Progress .....	20
8. Re-joining NPF.....	20
9. Remuneration .....	20
10. Miscellaneous.....	21
Chapter IV: Hiring of PhD Students.....	22
1. Background .....	22
2. Rationale.....	22
3. Scope .....	22
4. PhD Students as Temporary Visiting Faculty (TVF) .....	22
5. PhD Students as Temporary Lab Engineer (TLE).....	23
6. Tutors .....	23
7. PhD Students as Teaching Assistants. ....	24
8. Administrative Assistant.....	25
9. Hiring Procedure and Approving Authority .....	26
Chapter V: PhD Evaluator Selection .....	27

1. Selection of the External Evaluators.....	27
2. Selection and roles of Chair for Ph.D. Thesis Defense.....	28
3. Role of the Examination Chair .....	29
4. Roles and Duties.....	29
Chapter VI: Guidelines/Criteria for Doctoral Research, Role of Supervisor and GEC .....	31
1. Preamble.....	31
2. Research Criteria .....	31
3. Criteria to be a PhD Supervisor and Maximum Limit of Supervision.....	32
4. Roles and Responsibilities of Supervisors.....	33
5. Meetings/consultation.....	33
6. Guidelines for Guidance and Examinations Committee (GEC) .....	36
7. Evaluation of Thesis .....	37
Annex A.....	39
Annex B.....	40
Annex C.....	41
Annex D.....	42
Annex-E.....	43
Annex F .....	44
Annex G.....	45
Annex H.....	46
Annex I.....	56
Annex J.....	57
Annex K.....	58
Annex L.....	59
Annex M.....	60
Annex N.....	61
Annex O.....	62
Annex P .....	63
Annex Q.....	65
Annex R.....	66
Annex V.....	70

## **Chapter I – PhD Admissions**

NUST offers PhD in various disciplines. Applicants who are already MS/MPhil /equivalent qualified are eligible to apply for the PhD Program. This policy covers different aspects of PhD program, including eligibility criteria, coursework requirements, program duration, PhD Fellowship, etc.

### **1. PhD Admission, Eligibility and Processing**

- a. **Schedule of Admission.** Admission to PhD Programs shall be declared open twice a year, i.e., once before the Fall Semester and once before the Spring Semester every year, for the selection of prospective students. However, applications of eligible students with valid International GRE General/NTS GAT (General)/ HAT/ Graduate-NUST Entry Test (G-NET) scores shall be accepted and processed per the admission schedule. The exact commencement dates of the Fall Semester and Spring Semester will be communicated through the national press, social media platforms, the NUST website, etc. The Directorate of Advanced Research and Studies (DASR) will process the advertisements in coordination with the Marketing and Communication (M&C) Directorate in the major newspapers/social media regarding admission to the PhD Program for each admission session.
- b. **Applications for Admission.** Desirous applicants will apply through online application to the DASR NUST, with a copy of all undermentioned documents.

#### **Documents required for processing PhD Admissions**

- (1) SSC Certificate / DMC or equivalent.
- (2) HSC Certificate / DMC or equivalent.
- (3) Bachelor's degree and transcript.
- (4) MA/MSc (16-year education) degree and transcript.
- (5) Complete MS/MPhil (18-year education) degree and transcript duly verified from HEC.
- (6) Research proposal
- (7) Statement of purpose
- (8) HEC Equivalence for MS/MPhil for foreign degree.
- (9) Two (02) recommendation letters.
- (10) NOC from the Service HQ if serving in the armed forces of Pakistan or NOC from the organization if employed.
- (11) Domicile certificate.
- (12) CNIC/ NICOP/ POC.
- (13) Passport (for international applicants only).
- (14) Valid test score card (as applicable)

- (15) English proficiency certificate (for international applicants from non-English countries or whose mode of study was other than English).

Note: International students are required to submit English translated version of the above mentioned documents.

**c. Eligibility Criteria**

- (1) For admission into the PhD minimum CGPA of 3.0 out of 4.0 OR 3.75 out of 5.0 (in the Semester System) or First Division (in the Annual System) in M.Phil./MS/Equivalent degree with or without thesis is required. The percentage will be valid only if the CGPA is not mentioned in the degree/transcript.
- (2) An international candidate must have an MS/MPhil/Equivalent degree after bachelors.
- (3) If the CGPA of foreign qualified candidate is less than 3.0 or the percentage is less than 60%, then PEAC may decide the additional courses to be taken by the student.
- (4) For Basic Medical Sciences: MBBS and MPhil, or MBBS plus FCPS (Basic Medical Sciences/Clinical Subjects).
- (5) Test Requirements:
  - (a) GAT (General) Test by NTS (Score => 60%) or G-NET (Score => 60%) OR HAT (Score => 60%) GRE(General) conducted by ETS, USA, with the following minimum score separately in each section: -

Description	Scale
Quantitative	130/170
Verbal	130/170
Analytical	3/6
  - (b) The test score should be valid on the starting date of the PhD program (i.e., the first day of the semester). However, international candidates can attempt the above-mentioned test after physically joining the PhD program but not later than the end of the first semester.
  - (c) The validity of the GRE general is five years, and the NTS GAT General, HAT, and G-NET is two years.

**d. Processing at DASR, Main Office.**

After initial scrutiny as per the eligibility criteria, application forms of eligible candidates shall be forwarded to the concerned institution for evaluation/recommendations.

**e. Processing at Institutions**

- (1) Each institution shall form a PhD Evaluation and Acceptance Committee (PEAC) at the department level headed by the Head of Department (HoD) with 2-3 senior PhD faculty members including prospective supervisors, having relevant specialization/research interests and experience.
- (2) The candidate(s) will be asked, by the respective institutions, to appear for an interview and test (if applicable) before the PhD Evaluation and Acceptance Committee (PEAC) in coordination with the concerned prospective supervisor.

- (3) The PhD Evaluation and Acceptance Committee (PEAC) will evaluate the candidate and recommend his/her suitability for admission to PhD or otherwise. PhD Evaluation. and Acceptance Committee (PEAC) while evaluating the eligible candidate shall consider the undermentioned guidelines: -
- (a) Academic profile of the candidate and the references. Candidates with outstanding academic careers from a Local/foreign University/Institution of repute shall be considered for admission at NUST. The minimum laid down standards/eligibility as per policy including CGPA/%age in Masters/MPhil shall be adhered to.
  - (b) Relevancy, strength, and GPA of the courses taken by the candidate during Masters/MPhil at the previous University/ Institution to the Program applied for admission shall be given due weightage.
  - (c) Availability of suitable supervisor and acceptance of the candidate, by him.
  - (d) Cross-matching of the candidate's area of research with that of the supervisor's area of specialization.
  - (e) Availability of requisite resources for the conduct of the doctoral research.
  - (f) Number of PhD students already registered with the supervisor (details mentioned in Chapter VI).
  - (g) The credentials of the candidate, his aptitude in the area of interest, and his research vigor as per the research proposal.
  - (h) The score obtained in International GRE General/NTS GAT (General)/HAT/ Graduate-NUST Entry Test (G-NET) (as applicable).
- (4) The candidate in his previous MS/MPhil degree or academic transcript based on which he is eligible to apply for the PhD Program, should have completed a minimum of 30 credit hours out of which 24 credit hours must be coursework and 06 credit hours thesis/project OR 30 credit hours of course work. For a candidate being recommended for admission to the PhD Program, the prospective institution's PhD Evaluation and Acceptance Committee (PEAC) will indicate as pre-requisites (on Form PhD-1 as given in Annex A), if desired/needed. These courses (prerequisites, if any) shall be notified as "Additional Courses" and shall not be counted towards the calculation of CGPA.
- (5) In the recommendations, in addition to the above-mentioned prerequisites, the institution, shall also indicate any other conditions that must be fulfilled by the candidate or the institution or Main Office, NUST, before finally admitting the student to the PhD Program.
- (6) The institution will intimate their recommendations on Form PhD-1 (Annex A) with a copy of all academic documents mentioned at 1 (b) to the DASR within 15 days of receipt of the application or submission date indicated by the concerned Directorate. The offer letter will not be issued until all formalities and academic documents (mentioned in 1 (b)) are completed/provided.

**f. Admission Approval / Registration**

(1) After receiving a positive recommendation from the institution, the University Board of Advanced Research and Studies (BASR) shall process each case for formal approval of the competent authority. The composition of BASR is as follows:

- (a) Dean DASR – Chair
- (b) Registrar/Controller of Examination
- (c) Director QA&NIO
- (d) Director Research
- (e) Director Academics
- (f) 1x Co-opted Senior Faculty Member Engineering, Computing, Architecture and Natural Sciences (to be selected from Engg institutions, SADA or SNS) if required.
- (g) 1x Co-opted Senior Faculty Member Business and Social Studies (to be selected from NBS or S3H) if required.
- (h) 1x Co-opted Senior Faculty Member Medical and Bio Sciences (to be selected from NSHS or ASAB) if required.

The BASR, while processing each candidate, will also consider the factors given in para 1 e (3) above. Candidates whose admission is approved will be issued the selection letters after fulfilling the remaining admission requirements (if any). The concerned institution will communicate to the DASR the date of joining of these PhD students. Based on the joining report, the candidate's registration as a PhD student shall be intimated to all concerned by the DASR on Form PhD 2 (Annex B), which will clearly indicate his/her date of admission.

(2) In case, a candidate is selected in more than one PhD program, the candidate's choice will be given preference.

**g. PhD Admission Processing**

The DASR will process all PhD admission cases and monitor the progress of all PhD students throughout their stay at the University. For the smooth conduct of PhD Programs, the DASR will also act as a link between the institutions and the University and do necessary coordination with external bodies such as HEC/PEC/PM &DC, in case of PhD studies. PhD section (DASR) will act as a central directory regarding information concerning all matters of the university PhD programs.

## **Chapter II: Conduct of PhD Programs**

### **1. Guidance and Examination Committee (GEC)**

#### **a. GEC Formation**

A Doctoral Guidance and Examination Committee (GEC) will be formed at the earliest after the acceptance of a student into the PhD program but not later than one month after the student's joining date. The GEC will comprise at least three PhD members in addition to the supervisor and co-supervisor (if appointed), and one member of the GEC will be external from other reputed universities/R&D organizations/relevant industry or constituent institutions/organizations of NUST. The supervisor must be a PhD degree holder and meet the HEC criteria to supervise a PhD thesis. The Head of the Department in consultation with the student and his/her supervisor and also with the approval of the Commandant/Principal/Dean will appoint the Guidance and Examination Committee (GEC). Form PhD-3A (Annex C) and Form PhD-3B (Annex D) will be used for the formulation of the Guidance and Examination Committee (GEC) and petition for any change of GEC/research topic, respectively. The student's supervisor will chair the GEC meetings. The GEC meetings will be held at least once in six months. The proceedings of GEC meetings will be recorded on Form PhD-3C (Annex E) and distributed to all concerned. Principal/Dean/HoD must ensure the conduct of GEC meetings if a student/supervisor fails to manage within 8 months.

#### **b. Appointment of a Co-Supervisor.**

A co-supervisor, if required will be appointed with the mutual consent of the Supervisor, Head of Department (HoD), Dean and the student.

- (1) In case, the student is sponsored by any organization, the supervisor will be from the concerned institution of NUST, and the parent organization of the student may detail a co-supervisor.
- (2) **Supervisor's Commitment.** The maximum number of PhD students under the supervision of a full-time faculty member will be a maximum of 5 (Detail mentioned in Chapter VI). If a supervisor is taking a full teaching and research load and is not able to devote adequate time for research, then there may be a need for designating a co-supervisor.
- (3) **Posting Out of Supervisor.** If a supervisor leaves the institution/NUST or proceeds on long leave (i.e., leave for more than six months) then the institution must appoint a new supervisor from the institution and the outgoing supervisor may be appointed as co-supervisor (if required). Institutions are to ensure all such changes before processing the leave of the concerned supervisor. In case, a faculty member wants to continue as a supervisor and proceed out of NUST (for more than 06 months) following conditions must be fulfilled: -
  - (a) Student must have published at least 1x journal paper of the required category.
  - (b) Upon fulfilment of the requirement at para above, a meeting is to be conducted prior to processing of long leave of PhD supervisor. Both supervisor and student must agree to continue their research, amicably while taking the institution fully into the loop. The following must be included in the meeting:

- i. Principal
- ii. Dean
- iii. Rep of DASR
- iv. Supervisor
- v. GEC members
- vi. Student
- vii. Co-supervisor (to be appointed from the institution)

(c) The supervisor must be preferably physically present during BASR meeting and thesis defense of the concerned student.

(d) Co-supervisor must be appointed from the institution

**(4) Special Requirement.** There can be a situation in which a student requires special coaching in a particular subject for his research topic for which the supervisor cannot provide the necessary guidance. In such cases, a co-supervisor may be appointed from within institution faculty members or from outside universities/institutions/R&D organizations or relevant industry. A student can also have a Co-supervisor/GEC member from a foreign University.

**c. Remuneration/Incentive to Co-Supervisor**

The actual amount of remuneration, which could be anything from 25% to 75% (depending on the load of supervision) of that to be paid to the supervisor, will be recommended by the Faculty Board of Studies (FBS) of the institution and forwarded to DASR for approval. The co-supervisor can also be appointed as an adjunct/honorary professor of NUST with or without an honorarium.

**2. PhD Coursework**

- a. A selected PhD candidate will take a minimum of 18 credit hours of 800/900 level courses at the PhD level as specified by his/her Guidance and Examination Committee (GEC). These 18 credit hours are courses which have not been counted towards any other degree, as, in compliance with the Higher Education Commission (HEC) Quality Assurance Criteria. The courses counted towards any other degree cannot be double counted towards PhD coursework.
- b. His/her Guidance and Examination Committee (GEC) may even specify additional subjects to be taken by the student if considered essential. These will be notified as “Additional Courses” and shall not be counted towards the calculation of CGPA.
- c. In addition to the minimum 18 credit hours of coursework, the pre-requisite courses prescribed by PhD Evaluation and Acceptance Committee (PEAC) (para 1 e (4)) at the time of admission would also be included in the PhD transcript and will also be notified as “Additional Courses” and shall not be counted towards the calculation of CGPA. Additional courses must be declared in advance before enrolling for the course(s) and intimated to the DASR and (the Examination Directorate).
- d. The CGPA will be calculated only based on the 18 credit hours of courses taken by the student at the PhD level.
- e. Institutions will intimate the results of a PhD student to the DASR and (Examination Directorate) as being done for other programs for notification.

- f. To complete the coursework, a student may take 3x courses, from the prescribed PhD coursework. On the recommendation of GEC and Commandant/Principal/Dean, he/she may take 3x relevant/adequate courses offered by other institutions of NUST.
- g. The coursework should preferably be completed in three semesters. Scholars should not extend completion of the coursework more than 2 years (including deferment and suspension).
- h. Migration is allowed in the PhD Program and any student joining the NUST PhD Program would complete all the requisite courses in line with NUST/HEC policy-

### **3. Improving Cumulative CGPA**

Out of the coursework counted towards PhD, a student may repeat the course in which he/she received a grade point of less than 3.5 but greater than or equal to 2.0, to improve his/her cumulative GPA if it is below 3.5, before taking the qualifying examination. The procedure for repeating will be as under: -

- a. The candidate will apply to the Supervisor for permission to repeat a course. The case will be presented before the GEC for deliberation/approval.
- b. The student shall repeat a course which is permitted by the GEC. On repeating the course, the student shall get the earned grade. The student's transcript shall show both the old grade and the new earned grade, but the better grade will be used in the computation of CGPA;
- c. The student will have to repeat the course within the time limit given by the GEC.
- d. A student will be allowed to repeat a maximum of three courses only during his entire PhD coursework;
- e. If an elective course cannot be offered for repetition due to unavoidable circumstances, a student may take an alternative elective course with the approval of GEC and shall get the earned grades. The student's transcript shall show both the old grade and the new earned grade, but the better grade will be used in the computation of CGPA.

### **4. Qualifying Examination.**

After successful completion of 800/900 level courses to be counted towards the PhD with a minimum cumulative GPA of 3.5 out of 4.0, the student shall take a qualifying / comprehensive examination in the subjects to be specified by the GEC. Qualifying Examination Part-A & B is to be conducted within 6 months after completion of coursework. The examination shall be conducted in two parts in the following manner: -

#### **a. Part A - Written Comprehensive Examination.**

Question papers for the written comprehensive examination shall be prepared by the subject specialists and supervised by the HoD concerned. In case the HoD is also the student's supervisor, the Dean of the institution shall handle the examination. The comprehensive examination shall be based on the entire PhD coursework plus subject considered essential for the intended area of research. It shall consist of two papers, one covering the student's major area of research (Paper-Major) and the other covering the allied or supporting subjects (Paper-Minor). The minimum pass

marks for each paper in Part A shall be 65%. A student will be declared fail if he/she is unable to meet the required percentage in any one or both papers. Each Paper (i.e., Major and Minor) will be comprised of a maximum of 4 and a minimum of 2 subjects. The qualifier examination (Part A) of all PhD students shall be conducted centrally by the institution, within one week. The conduct of the qualifier shall be held centrally twice a year (preferably within 3 months after the spring and fall semesters). In case of failure, makeup/reattempt shall also be planned within 3 months (remaining instruction for conduct will be same). Moreover, the result of the Part A exam should reach the Exam Branch Main Office within 2 weeks after the attempt of the examination. All the procedures/policies/SOP/schedules for the conduct of the examination shall be followed, ensured and managed by the DCE of the institution.

**b. Part B – Oral Comprehensive Examination.**

The Dean will chair the Oral Comprehensive Examination Committee meeting with HoD and the other members of the GEC as its members. HoD and Dean/Commandant/Principal would be voting members only if PhD qualified in the relevant field. Oral Examination shall be designed to ascertain the in-depth knowledge, analytical abilities and aptitude of the student in his area of PhD research. The student shall defend his/her thesis synopsis as a part of this oral examination. The Oral Examination Committee shall determine, by majority vote, whether the student be allowed to proceed for the doctoral research or otherwise. If the number of votes for “Pass” equals the number of votes for “Fail”, then the verdict of the supervisor would be taken as the final decision.

A student will be required to carry out a literature survey prepare a written synopsis of his intended topic of research and present the same along with the research plan at the beginning of Part B (the Oral Examination) for approval. The finalized research topic and the result of the Oral Examination of the Qualifying Examination shall then be communicated to Examination Dte with info to the DASR, on Form PhD-5. If at any stage the student wants to make any change to the research topic, he/she shall have to defend his/her point of view before the Guidance and Examination Committee (GEC) for approval. Changes in the research topic duly approved by the Guidance and Examination Committee (GEC) will also be forwarded to the DASR for updating of the record.

- (1) Institutions will retain all the question papers in safe custody in their Examination Branches till the award of the degree and subsequently shall be destroyed according to NUST Policy. However, soft copies will be retained in safe custody for future reference and will not be destroyed.
- (2) The qualifying examination shall be conducted as soon as possible after completion of the course work but, in any case, Part A of the Qualifying Examination shall not be delayed for more than 03 months from the date of the last paper. If a student fails in either paper or both of his/her Part A examinations on the first attempt s/he shall appear in a retake (one chance only) examination within 03 months of the first attempt. Part B of the Qualifying Examination will be conducted within 03 months after the student qualifies for Part A of the

Qualifying Examination. If a student does not pass his/her Part B examination on the first attempt s/he shall appear in a retake (one chance only) examination within 03 months of the first attempt. Upon failure in Part B, each committee member will submit a comment page, which will document his/her views/suggestions. These comments pages, duly signed by respective committee members, shall be submitted to the DASR and Examination Branch at Main Office NUST by the concerned institution. A duplicate copy of these comments will also be provided to the student.

- (3) Form PhD-4 (Annex F) will be used to inform the Main Office, NUST about the result of each attempt of Part A of the Qualifying Examination. Form PhD-5 (Annex G) will be used to inform about the result of each attempt of Part B of the Qualifying Examination. For decision regarding the result of the Qualifying Examination (in Form PhD-5) Head of Department (HoD) and Dean/Commandant/Principal would be voting members only if PhD qualified. Main Office, NUST (Examination Branch) will notify the result of the Qualifying Examination based on Form PhD-4 and Form PhD-5.

## **5. Publications**

### **a. For students admitted till Spring 2020**

A student must have a minimum of two research papers published/accepted (accepted for selection of evaluators and published for thesis defense) for publication / presented; in HEC-approved journals / international conferences of repute out of which at least one paper must be published in an HEC approved “X” or higher category journal and all journals listed in ISI Master list for award of PhD Degree (“Y” or higher in case of Social Sciences\* only). Only those publications related to the research work will be counted in which student’s name is that of the 1st author.

Note: Social Sciences include Management Sciences.

### **b. For students enrolled from Fall 2020 and onwards**

A student must have a minimum of two research publications related to PhD research work as 1st author fulfilling the undermentioned requirements: -

#### **(1) Engineering / Sciences / Computer Sciences and related disciplines:**

Minimum two research papers published in Journals with WoS-JCR Impact Factor. Out of these publications, at least one research paper should be in the HEC W category journal or two research articles in X category journals (or higher).

OR

Minimum one research paper published in HEC W category Journals with WoS-JCR Impact Factor and one paper presented/published in Core A/A\* ranked international conference.

**(2) Social Sciences / Management Sciences:**

Minimum two papers published in journals of repute. Out of these publications, at least one research paper should be in the HEC “X” category or higher journal.

OR

- c. Minimum one paper published in journals of repute and one paper presented/published at an international conference. Out of these publications, at least one research paper should be in the HEC “X” category or higher journal..HJRS Journal category will be considered at the date of acceptance of the research paper.
- d. Papers submitted after award qualifier Part B will only be counted towards PhD publications requirement.
- e. Only contributing authors will be added to the publication. In case of any dispute, the case may be forwarded to the NUST Research Ethics Committee.
- f. For plagiarism, COPE guidelines are to be used as a reference.

**6. Scope of PhD Research**

A PhD student shall have to complete a minimum of 30 credits of creative and original research based on highly individualized, investigative, and creative study, which shall make a significant contribution to knowledge in the form of new findings and inventions. He/she must spend at least one year on research after approval of the synopsis. Any plagiarism in PhD research detected at any stage may be referred to the Research Directorate, which will evaluate the case and refer it to the Research Ethics Committee. Upon the decision of the research ethics committee, further action, even resulting in cancellation of the degree, may be taken. General Guidelines /Criteria for Doctoral Research and its Evaluation is mentioned in chapter VI of this policy, covering selection of research topic, conduct and supervision of research, responsibilities of the candidate, supervisor and Guidance and Examination Committee (GEC), evaluation procedure, etc.

**7. Evaluation of the Thesis.**

When a student has completed his/her PhD research and publication requirement, he/she shall document the research details and prepare a written copy of the thesis and submit the same to his supervisor. Formal evaluation of the thesis shall be done as under: -

- a. Thesis Evaluation Committee. The PhD thesis shall be evaluated by a Thesis Evaluation Committee. The committee shall comprise of the Guidance and Examination Committee (GEC), and at least four external experts, two of whom will have to be foreign renowned faculty from technologically advanced countries.
- b. For the selection of external evaluators, the names of external evaluators for the Ph.D. thesis suggested by the supervisor will be endorsed by the Principal/Dean of the respective institution. After the endorsement, the institution will forward the names of 04x foreign evaluators and 04x local evaluators to the DASR. Final evaluators will be selected and confirmed by the DASR. DASR may also select the evaluator from its existing pool.

- c. Undermentioned must be ensured before the selection of Foreign/Local Evaluators:
- - (1) BASR meeting for the selection of Foreign/Local evaluators for PhD thesis be held at least six months before completion of maximum PhD tenure.
  - (2) A student must attend 15 PhD defense/International and National conferences before his/her evaluator selection. A record of the same countersigned by the supervisor is to be included in the documents forwarded for evaluator selection.
  - (3) At least one seminar (Pre-defense) shall be conducted by every PhD student on his/her research thesis before the evaluator's selection and thesis defense. This pre-defense shall include the HoD and complete GEC of the student.
- d. Details of criteria for selecting foreign/local evaluators are mentioned in the chapter “PhD evaluator selection” of this policy.
- e. All communication with the external evaluators will be from the DASR. Subsequent revisions and feedback from the external evaluators will be received by the DASR and shared with the institution immediately on Form PhD-6.
- f. Institutions’ exam branch will inform the Examination about the decision of the Evaluation Committee along with detailed reports of the external evaluator(s) and complete the case documents before the student can be asked to carry out the final thesis defense.
- g. Evaluation report by the thesis supervisor/co-supervisor, at least two local external experts, and two foreign experts have to be positive before the student can be asked to carry out the final thesis defense.
- h. Incorporation of the comments provided by the evaluators will be looked at the institutional level (details mentioned in Chapter V).
- i. In case the thesis is rejected by any of the evaluators, the thesis will be re-evaluated, and the decision will be taken by the BASR chaired by the Pro-Rector Acad in the presence of the supervisor.
- j. Further details and procedure of evaluation process is mentioned in Chapter V of this policy.

## **8. Research Thesis Defense**

On receipt of positive reports from the Thesis Evaluation Committee, the defense of a PhD thesis shall be conducted as under: -

- a. The schedule of thesis defense of a PhD student will be announced by the institution at least 2 weeks prior to the defense to all NUST Institutions and Main Office, NUST for maximum participation.
- b. The Defense Committee will comprise the student’s Guidance and Examination Committee (GEC) and four external experts (i.e., two local and two foreign experts who were part of the Thesis Evaluation Committee). The participation of two foreign experts shall be arranged through video conferencing, if possible. However, the presence of complete GEC members including one external and two local evaluators during the thesis defense is mandatory.
- c. If the GEC includes a foreign origin/national faculty member either as a co-supervisor or external GEC member, then the prior permission for their online participation in thesis defense will be taken from the Principal/Dean of the

Institution. However, for Pakistani-origin nationals who serve either as Co-supervisors or external GEC members but are working/living abroad, prior permission has to be taken from the Main Office for their online participation in thesis defense.

- d. The student will present his work to the Defense Committee on the given date and time in an open forum.
- e. The Defense Committee will give its decision with a majority vote and intimate the Examination (Directorate) and DASR, about the decision on Form PhD-7 (Annex I) for final notification. 1x hard copy and soft copy will be prepared by the student and submitted to the Examination Branch of the respective institution for further distribution within a maximum period, of 8 weeks, from the thesis defense date. In case of late submission of bound copies, the student will be charged Rs. 5000 per month. The institution will forward the thesis copy to the following within one week; 1x copy to the Examination Directorate), who will forward it for placement in NUST Central Library after publication of the gazette notification.
- f. Any plagiarism in PhD research work and fake documents submitted by the student, even those submitted at the time of admission shall result in cancellation of the degree after consulting Research Dte. The PhD Supervisor must forward a certificate to the DASR (Main Office, NUST) along with the case for the selection of foreign/local evaluators, that plagiarism test has been conducted, and the report is within the parameters set by the Higher Education Commission (HEC). PhD supervisor must ensure that the Higher Education Commission (HEC) & NUST Plagiarism policy is read and understood by the PhD student.

#### **9. Duration for Completion of PhD**

- a. Minimum Period 3 years.
- b. Maximum Period 8 years. The maximum period shall be counted from the date of admission to PhD Program.
- c. No extension in PhD duration is permitted in any case.

#### **10. Monitoring Cell**

The Monitoring Cell of the DASR will monitor the progress of all PhD students at NUST. Guidelines for monitoring are appended below:

##### **a. Coursework Progress**

- (1) Formation of Guidance and Examination Committee (GEC) (Form 3A)
- (2) No of credit hours completed.
- (3) CGPA obtained.
- (4) Courses qualified with grades.
- (5) Passing of Qualifier Exam (Part A (Form PhD 4) & Part B (Form PhD 5))

##### **b. Student Timelines**

- (1) For completing the coursework.
- (2) Passing the qualifier exam, including Synopsis approval.
- (3) Covering the research milestones.

**c. Unsatisfactory Performance**

PhD students may be marked for unsatisfactory performance due undermentioned conditions.

- (1) If CGPA is not up to mark.
- (2) If a student is lacking behind in achieving laid down milestones.
- (3) If a student is not attending university regularly in the research phase.
- (4) If lacking behind in attaining research milestones viz-e-viz timelines.
- (5) Unable to achieve publications requirement in last two years.
- (6) Or any other reason that seems appropriate to supervise or with the consent of HOD/Principal/Dean.

**d. Issuance of Caution, Warning Letters and Bond/Undertaking**

- (1) Caution letters to be issued to those students with slow progress and who have completed 5 and 6 years of PhD studies (template attached at Annex K & L).
- (2) Warning letters to be issued to those students with slow progress and who have completed 7 years of PhD studies (template attached at Annex M).
- (3) Bond/Undertaking to be furnished by students (having completed 7.5 years of PhD studies) to be solely responsible for not completing the degree requirements within 8 years (template attached at annex N).

**e. Overall PhD Progress**

- (1) Progress in percentage.
- (2) Publication of papers in Journals/Conferences.
- (3) Writing of thesis.
- (4) Plagiarism report on thesis.
- (5) Selection of foreign/local evaluators for PhD thesis
- (6) Form PhD-6 (Thesis Evaluation Reports)
- (7) Date of Thesis defense

**f. Six Monthly Progress Reports**

Six-monthly Progress reports of all PhD students are required to be rendered on a regular basis duly authenticated by the Supervisor, till completion of PhD. The format the of Six-Monthly Progress Report is placed in Annex O. Non submission of the six-monthly progress report will render the student's progress as unsatisfactory.

**g. Annual Research Seminars**

Seminars shall be held for all PhD Students by the respective institutions, in which PhD students in the 5th year of studies and onwards will present their research progress in the presence of their respective supervisor, Guidance and Examination Committee (GEC) members, PhD faculty and the PhD students.

## **11. Specific Requirements Regarding PhD in Medical Sciences**

- a. Eligibility Criteria. For admission to PhD Program, the candidate who has qualified MBBS and MPhil in the relevant discipline or MBBS plus FCPS in the relevant discipline is eligible to apply. FCPS in clinical subjects are also eligible for admission in Molecular Medicine only. However, for PhD Program in Biochemistry and Molecular Medicine, non-MBBS/BDS candidates with 18 years of education (MSc plus MPhil) in the relevant discipline will also be eligible for admission.
- b. The Head of the department in consultation with the student and his/her supervisor, and also with the approval of the Principal/Dean will appoint the Guidance and Examination Committee (GEC).
- c. Minimum 70% marks (internal assessment) in PhD coursework are essential for undertaking PhD qualifying / comprehensive examination, to be conducted on completion of 18 credits of advanced coursework.
- d. The PhD Qualifying/Comprehensive Examination will comprise of two components:
  - (1) Written examination of the coursework (Qualifier Examination Part A). The question paper will be prepared by the Guidance and Examination Committee (GEC) of the student and supervised by the HoD/Dean.
  - (2) Viva Voce of the Defense of Synopsis of the PhD Research Work (Qualifier Examination Part B). The oral examination will be conducted by a committee comprised of the Guidance and Examination Committee (GEC) members, the Head of Department (HoD) and chaired by the Dean.
  - (3) The pass marks in each component of PhD qualifying / comprehensive examination will be 65%.
  - (4) If the candidate fails in any of the components of the examination, he/she will be given one more chance to qualify within a period to be decided by the Guidance and Examination Committee (GEC).
  - (5) At least, two seminars are to be conducted by every PhD student on his PhD thesis research before an audience before the thesis defense.
  - (6) For evaluation of PhD thesis research, the thesis shall be sent to a minimum of two foreign, and one local (external) expert in addition to his/her Guidance and Examination Committee (GEC) members.

## **12. Deferment of Semester(s)**

A student may seek deferment from regular studies subject to the following conditions:

- a. Deferment will generally be requested before the start of a semester. However, in exceptional cases it may be requested latest by the 2nd week of a semester. It will be endorsed by the FBS and processed for formal approval by the Dean of Advanced Studies & Research.
- b. During the period of deferment, he / she will be allowed to repeat courses already studied on payment of prescribed fee for repetition of courses but not permitted to study new courses.
- c. He / She shall pay 25% tuition fee to maintain his / her registration.

- d. The student has the requisite time available to complete his / her degree within the stipulated time; or
- e. In case, a student opts to defer the first semester he/she shall have to pay 50% tuition fee (non-adjustable / non-refundable).

### **13. Suspension of Semester(s)**

A PhD student may be recommended for suspension of a semester upon recommendation of FBS for following conditions.

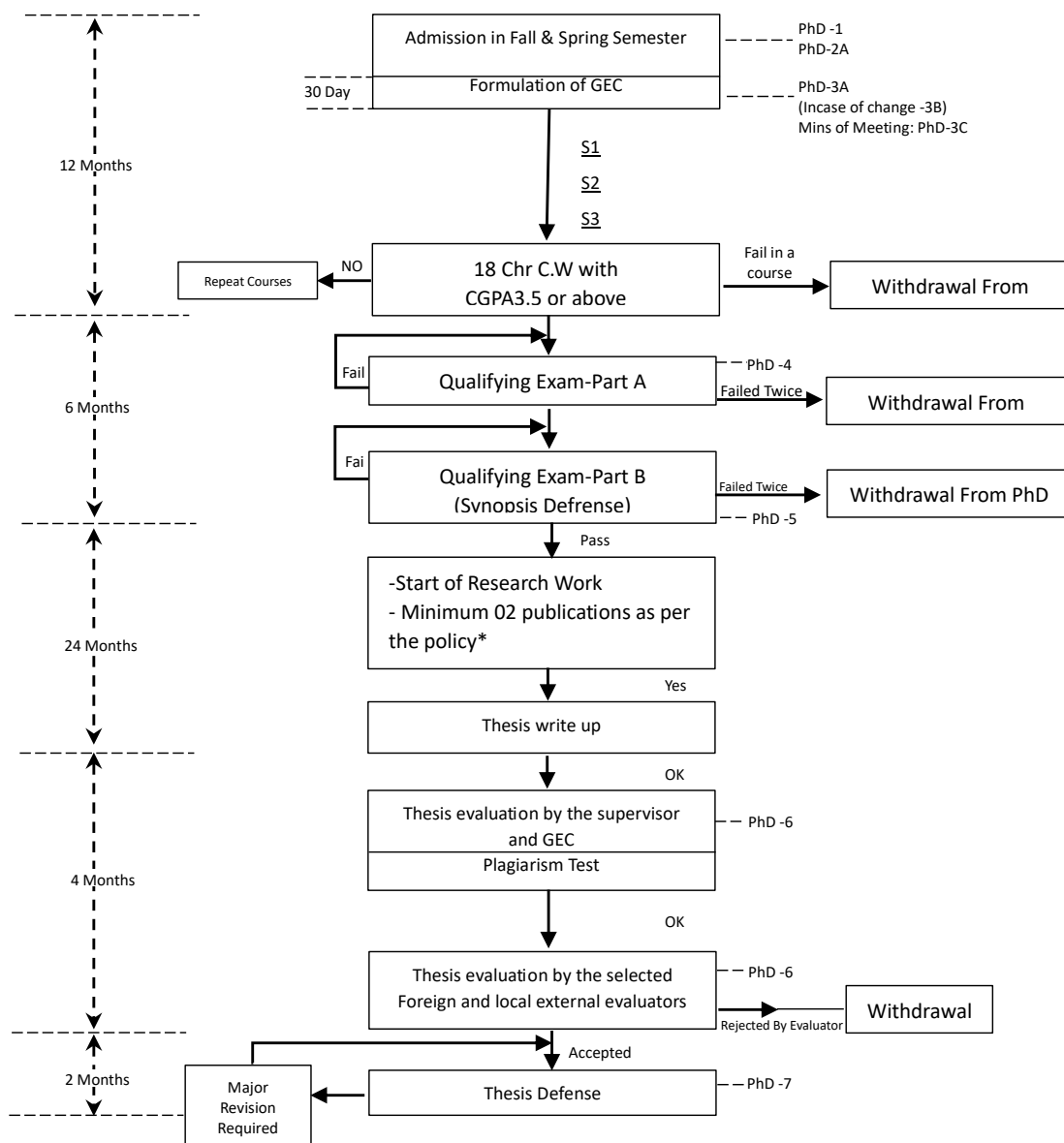
- a. suspension on disciplinary grounds.
- b. suspension on medical grounds.
- c. suspension on prolonged absence.
- d. suspension on reasons beyond students' control or on authorized grounds /sanctioned leave from competent authority.

### **14. Withdrawal from PhD program**

A student shall be withdrawn from the PhD degree program under the following circumstances/conditions: -

- a. CGPA remains below 3.50 on completion of coursework even after availing three chances for improvement of grades.
- b. Fails twice in any part of the qualifying examination i.e., Part A or Part B.
- c. Fails to qualify both parts of the qualifier within 12 months, except recommended by FBS otherwise, by clearly stating the extended duration. The duration will be counted from the date the of last paper of coursework.
- d. On consistently three unsatisfactory academic performances graded by Monitoring Cell DASR and Supervisor and consequent recommendation by FBS.
- e. On disciplinary grounds when recommended by the respective Discipline Committee of the Institution and Discipline Committee of NUST.
- f. Absence for 60 or more consecutive days without valid reasons.
- g. Fails in one or more course(s).
- h. Fails to complete coursework requirements in three years.
- i. **For Fall 2023 entry and onwards only;** Fails to complete Qualifier Part B in first 3 years (including deferment of semester and suspension) duly recommended by FBS. FBS can also recommend an extension after three years clearly stating the extended duration that should not be more than six months. The duration will be counted from the date of admission.
- j. Fails to complete PhD degree requirements within the maximum allowed time. (i.e., 8 years).
- k. A student can seek withdrawal from PhD program at any stage of his degree on his own request duly recommended by FBS of the institution.

## 15. Milestones in PhD Study



\* The requirement can be deferred up till completion of thesis evaluation from foreign evaluators, as at times acceptance/ publishing of papers takes considerable time.

\*\* A Student must spend at least one year after passing the qualifier Exam, before final thesis defense.

## **16. Responsibilities of DASR at Main Office, NUST**

PhD section, DASR at Main Office, NUST will assist in the admission process and the smooth conduct of PhD Programs. Details are as under: -

- a. Preparation and publication of advertisement for PhD admission.
- b. Receipt of applications and their scrutiny as per the eligibility criteria for various disciplines.
- c. Submission of applications to respective institutions for evaluation and recommendation in respect of prospective candidates.
- d. Processing of applications received back from institutions duly recommended, for formal approval of competent authority through the Board of Advanced Studies & Research (BASR) for admission in a particular PhD Program.
- e. Organization and coordination of the BASR meetings.
- f. Registration of the students finally selected in the PhD Program.
- g. Monitoring of the PhD student's progress through close liaison, Annual seminars and six-monthly progress reports from the respective institutions and passing on the required information to their sponsors (in the case of sponsored students).
- h. Ensuring timely receipt of scholarships/financial support from sponsoring agencies of the PhD students and further disbursement to the concerned students.
- j. Maintenance of dossiers and all relevant documents in respect of each PhD student from the date of admission till completion of the degree.
- k. Processing of cases for approval of PhD Thesis Evaluators.

## **Chapter III: NUST PhD Fellowship**

### **1. General**

PhD admissions are offered twice in a year with an average intake of 170 students a year. In general, the students studying in PhD programs can be classified as Part time and Full-Time. Part-time students manage their workload between studies and employment whereas full-time students are available throughout to fulfil their degree requirements. These students can dedicate more time and effort to pursuing their degree and producing quality research work to complete their PhD. Due to this trait, they can complete their PhD degree in lesser duration and with better yield in research area expertise. As PhD students have a likelihood to become future academicians, so there is a need to polish and revamp their academic skills by utilizing them in several part-time jobs.

Therefore, a necessity is felt to encourage the enrolment of full-time PhD students and provide them opportunity to have on-campus jobs.

### **2. Scope**

This policy gives an account of the procedure for awarding financial incentives, hiring full-time PhD students and their remuneration.

### **3. Scheme**

The salient features of the PhD incentive scheme are as follows.

- a. This scheme is named as “NUST PhD Fellowship (NPF)”.
- b. Full-time PhD students will get a fee waiver for 6x semesters.
- c. All awardees will act as graduate assistants to their respective supervisors and on maintaining regular attendance will be awarded a stipulated amount.
- d. All of these students will have the opportunity to serve the undermentioned on-campus jobs and earn on a monthly basis:
  - TVF
  - Lab Engineer
  - Teaching Assistant (TA)
  - Tutor
  - Administrative Assistant
- e. The financial incentive to PhD students will be awarded depending on the disciplines and scholars will be able to earn the maximum amount as mentioned in their corresponding disciplines.
  - Engineering and Computer Sciences (Detail of programs attached at Annexure-P) PhD students can earn a maximum of Rs. 50,000/- stipend in lieu of on-campus jobs for the first 8x semesters.
  - Sciences (Detail of programs attached at Annexure-Q) PhD students can earn a maximum of Rs. 30,000/- stipend in lieu of on-campus jobs for the first 8x semesters

### **4. Eligibility**

The eligibility criteria for the award of the NUST PhD Fellowship (NPF) for both International and local students are as under.

- a. For award of fellowship undermentioned conditions shall be fulfilled.
  - (1) Willing to take at least 09 credit hours of coursework each semester during the coursework phase.
  - (2) Available during office hours throughout regular semesters.
  - (3) Full-time and unemployed students during the entire PhD duration or having unpaid leave for a minimum of four years.
- b. For continuation of scholarship undermentioned shall be ensured:
  - (1) PhD students are completely available during office hours throughout a regular semester.
  - (2) The student should maintain a 3.50 CGPA.
  - (3) Complete coursework and pass both qualifier examinations within two years of PhD.

## **5. Procedure for award**

- a. A total 80x seats (maximum) will be allocated for NUST PhD Fellowship (NPF) at the start of each academic year. These seats will be distributed for two admission cycles (i.e. Fall and Spring semesters). The distribution of the total seats will be done based on the number of enrolment of students in each semester considering the historical data and number of applications in the admission cycle. However, the number of seats allocated in the Fall semester will be more than Spring semester.
- b. After the allocation of the seats in each semester, the total number of seats will be distributed among all institutions where PhD applicants are registered.
- c. The institutional PhD Evaluation and Acceptance Committee (PEAC) under the chairmanship of the Principal/Dean will conduct the interview and selection for NPF against the allocated seats.
- d. The institution will forward the names of recommended candidates for NUST PhD Fellowship against the allocated seats on duly signed form (attached as Annex-A). Furthermore, they will also mention the candidates willing and eligible for NPF other than recommended candidates against allocated seats. The same will be forwarded as per attached form in the next admission cycle.
- e. Afterwards, the DASR will present the recommended awardees case in front of the BASR meeting. After the recommendation of BASR and approval of Pro-Rector (Academics), the offer letter will be issued to the awardees without any tuition fee (as per the NPF policy).
- f. If any of the awardees don't respond to the offer letter within the stipulated time the offer of NPF will be forwarded to the next willing candidate as proposed by the institution.
- g. If the institution doesn't have any recommendation for the NPF scholar against the allocated seat, then the DASR will divert the slot to the other willing recommended candidates from other institutions.
- h. After the awardee joins PhD program, tags will be applied as per policy.
- i. Subsequently, the institution will be asked to assign duties and forward the details of the stipend on the 'stipend requisition form' (Annex U) to DASR.

- j. DASR will scrutinize all the cases as per the policy and afterwards, forward the recommended stipend cases for approval of Pro-Rector (Acad).
- k. After the approval of the Pro-Rector (Acad), HR Directorate will issue the office order in respect of each recommended awardee and subsequently, Finance Directorate will be requested to issue a monthly stipend to these students.

#### **6. Hiring for On-campus jobs**

- a. Each institution will post/advertise the available on-campus job on their institution's web page, Qalam, LMS, E-office etc. at least two weeks before the start of the semester.
- b. Institution may complete the process of the interview (if required) and selection before the start of the semester or maximum in the first two weeks of the semester.
- c. After selection, the prescribed requisition form will be forwarded through the institution.

#### **7. Monitoring of Awardee's Academic Progress**

- a. At the completion of each semester, DASR will conduct an internal monitoring review against the academic performance of awardees.
- b. Awardees who have failed to secure a CGPA greater than/equal to 3.50 or are unable to meet the requirement mentioned in para 4b will be withdrawn from NPF.
- c. Remaining awardees who have secured a 3.50 CGPA or above will be retained for the further award of NPF after approval from the Competent Authority.
- d. After approval, the procedure highlighted in para-5. i. to k. will be repeated.
- e. The abovementioned monitoring shall be conducted for the first 6x semesters of PhD degree against awardees.

#### **8. Re-joining NPF**

A student once withdrawn from NPF either due to low GCPA or at their own request will not be allowed to rejoin NPF.

#### **9. Remuneration**

- a. The remuneration for all above categories will be given as per rates mentioned below:

<b>Position</b>	<b>Per Contact hours (in Rs)</b>	<b>Maximum Per Month (in Rs.)</b>
Temporary Visiting Faculty	As per HR Policy	As per HR Policy
Tutor	1000**	12000
Temporary Lab Engineer	625*	30000
Teaching Assistant	500*	24000
Administrative Assistant	500*	12000
Graduate Assistant	-	10000***

\*Job slot of 03 Contact hours per week

\*\*Job slots of 01 contact hour

\*\*\* Should maintain daily attendance

- b. The maximum amount mentioned in para-2 (e) against each discipline will have to be strictly maintained. Any amount above the limit will not be considered for the award of a stipend.

## **10. Miscellaneous**

- a. The student must provide an affidavit that he/she is unemployed and will study as a full-time PhD student.
- b. The student's attendance will be marked on a regular basis. The supervisor will give a certificate to this effect in every six-monthly progress report.
- c. Awardees will not pay tuition fees for the duration of the award (i.e., 6x semesters) after which they will be required to pay fee/misc. charges (if any).
- d. Awardees can obtain the opportunity of availing on-campus job for 8x regular semesters including any deferred/suspended (i.e., first four years only)
- e. Continuation/permission for the on-campus job will depend on the recommendation of the supervisor/institution. Awardees showing unsatisfactory/slow progress or failing to meet set milestones in the stipulated period, may not be recommended for on-campus jobs.
- f. Withdrawn (failed, time-barred, at own request or any other reason) NPF awardee will have to reimburse the tuition fee paid by NUST during the studies.
- g. Withdrawn (failed, time-barred, at own request or any other reason) awardee PhD student will have to complete the contract period of on-campus jobs.
- h. Institution will process the recovery from the defaulter and must hold the documents of such student until they clear all outstanding dues.
- i. Any other scholarship awardee availing scholarship from Govt/External organization or NUST is not eligible for the NPF. However, HEC indigenous scholarship will have the opportunity to perform on-campus jobs and get monthly remuneration as per the policy. However, their overall earnings (including HEC Stipend) should remain within the limits defined vide para 9.
- j. Awardees undergoing deferment or suspension of semester will have to bear the additional dues at their own (if any).
- k. Any new PhD program added/approved will be part of this scheme.
- l. This scheme is only valid from Fall 2022 and onwards entries.
- m. N-Centive PhD scholar scheme will be discontinued w.e.f. Fall 2022 onwards.
- n. Rector NUST or his authorized office will be the final authority for increasing the number of slots or withholding this NPFP.

## **Chapter IV: Hiring of PhD Students**

### **1. Background**

NUST is an internationally recognized institution of higher learning and since its inception has always been in pursuit of offering education at internationally acclaimed standards. It has adopted the route of internal quality assurance measures for its professionally accredited programs. All degree programs of NUST are enriched with a variety of courses that include theoretical and practical aspects of learning.

PhD scholars are the backbone of the research productivity at NUST. To provide better financial support along with development prospects, NUST PhD students may be employed on a part-time basis as, Temporary Visiting Faculty (TVF), Temporary Lab Engineers (TLE), Tutors, Teaching Assistants (TA) and Administrative Assistants (AA).

### **2. Rationale**

This section attempts to lay down a separate policy for hiring PhD students for the above-mentioned positions on a temporary/short-term basis. This opportunity will not only meet the financial needs of the students but also provide a foundation for their career development. Teaching during PhD studies is an excellent way to expand one's horizons as a doctoral candidate and transform his/ her knowledge into practice in a new environment.

### **3. Scope**

This section will be applicable to all full-time PhD students at NUST to be hired as Temporary Visiting Faculty (TVF), Temporary Lab Engineers, Tutors and Teaching Assistants/Administrative Assistants.

### **4. PhD Students as Temporary Visiting Faculty (TVF)**

#### **a. Description:**

A short-term/limited-term teaching position offered to full-time PhD students after successful completion of their Qualifier exams (Part A & B). Remaining duties will be considered as same assigned to the TVF hired by HR Dte.

#### **b. Duties:**

In this position, PhD students will be inducted on a temporary basis as full-time instructors of at least two course(s) in place of existing faculty members or if there is a deficiency in FMs while assigning teaching load in an institution during a semester. The courses assigned can be from both UG and PG levels.

#### **c. No. of contact hours:**

Minimum 6 contact hours per week.

#### **d. Miscellaneous:**

- (1) Hiring and remuneration are to be as per the existing NUST policy.
- (2) Upon either graduation or withdrawal from PhD student is bound to complete the remaining contract period.

- (3) Before hiring, teaching expertise is to be evaluated via demonstration at the concerned institution level.

## **5. PhD Students as Temporary Lab Engineer (TLE)**

### **a. Description:**

A PhD student can perform duties as a temporary lab engineer in only Teaching Labs. The remaining duties will be considered the same as those assigned to the regular lab engineer.

### **b. Duties:**

In this position, PhD students will be inducted on a temporary basis as lab engineers during a semester. As part of their duties, they will be responsible for conducting lab sessions, looking after lab equipment in coordination with concerned lab staff etc.

### **c. No. of contact hours:**

Minimum 3 contact hours per week and Maximum 12 contact hours per week. OR Minimum 1 lab per semester and Maximum 4 labs per semester.

### **d. Miscellaneous:**

- (1) PhD students can only be hired as TLE against the available authorized Lab Engineer seats allocated for the School/College/ Institution.
- (2) Before hiring, the suitability of a candidate is judged by the Institution through an internal evaluation process.
- (3) Rehiring for another semester is based on positive feedback from the supervisor and Head of the Institution.
- (4) PhD students of age maximum 40 are eligible to apply for TLE.
- (5) Upon either graduation or withdrawal, a student is bound to complete the remaining contract period.
- (6) The TLE hired under this scheme will be considered for a part-time position (i.e., no annual increment, no gratuity, etc.)
- (7) Only full-time PhD students will be eligible for this position.

## **6. Tutors**

### **e. Description:**

A PhD student can be assigned part-time duty as a Tutor of a specific course during a semester. Tutors assist in the teaching and learning process. Their specific responsibilities may vary depending on the institution and the course they are associated with, but generally, tutors fulfil the following roles such as academic support, facilitating discussions, individual support and communication and collaboration.

### **f. Duties:**

In this position, PhD students will be inducted in the role of tutor in assigned courses where they will be responsible for leading class discussions, conducting interactive sessions with students, and answering student queries. This will allow PhD students to act as liaisons between students and concerned faculty members who teach the specific course.

**g. No. of contact hours:**

Minimum 1 and Maximum 3 contact hours per week.

**h. Miscellaneous:**

- (1) It is to be ensured that a PhD student does not get assigned the course already being taught by their supervisor which will create a conflict of interest.
- (2) During the semester, the tutor will report to the respective instructor and will seek necessary guidance and support regarding the conduct of the tutorial sessions.
- (3) To evaluate the effectiveness of the activity, the course instructor will randomly audit tutorial sessions.
- (4) A PhD student will be employed on a semester basis via fixed-term contracts. After successful completion of all the tutorial sessions and with the recommendation and approval of the respective course instructor and Head of Institution respectively, a remuneration, as prescribed, will be given.
- (5) Upon either graduation or withdrawal, a student is bound to complete the remaining contract period.
- (6) Duties and scope of this position are undermentioned: -
  - (a) Leading class discussion and an interactive session
  - (b) Solving the course-related problems in the class
  - (c) Answering the queries and questions of the students
  - (d) Establishing links between the taught concepts and their real-world applications
  - (e) Demonstrating scientific methods and techniques
  - (f) Sharing of marks and grades with students
  - (g) Providing feedback on student's performance
  - (h) Meeting special needs of the students w.r.t learning abilities
  - (i) Any other support regarding instruction and education services

**7. PhD Students as Teaching Assistants.**

**a. Description:**

A PhD student shall perform their duties in an instructional capacity with respective faculty members as their teaching assistants.

**b. Duties:**

In this position, PhD students will be responsible for creating course content for classes taught by concerned faculty members and designing assessment modules i.e., quizzes, assignments, projects etc.

**c. No. of contact hours:**

Minimum 3 contact hours and Maximum 12 contact hours per week OR minimum 3 CH and maximum 12 CH per semester.

**d. Miscellaneous: -**

- (1) It is to be ensured is that a PhD student should not perform as a Teaching Assistant with their respective supervisor which will create a conflict-of-interest issue.

- (2) A course instructor with a minimum of 6 credit hours and a student strength of 40 is eligible to get a T.A.
- (3) Before hiring, the expertise of a candidate be judged by the respective institution.
- (4) Upon either graduation or withdrawal, a student is bound to complete the remaining contract period.
- (5) The TA position will be offered for one semester. Rehiring of TA/ AA will be possible upon positive feedback from the Supervisor/HoD and Head of College/Institution/School/Directorate.
- (6) Only full-time PhD students, availing of scholarships, are eligible to apply as TA/ AA.
- (7) The master's students availing merit based NUST Endowment Fund Scholarship will be required to perform TA duties as per their agreement/bond for the duration of the award, but they will not be paid.
- (8) Institutions before hiring fresh TA will have to ensure that they are making full use of TA's already available to them under the NUST Endowment Fund Scholarship.
- (9) A TA will assist the instructor in the preparation of lessons, and quizzes, Lab Work and marking of assignments under the direct supervision of the faculty member who will only remain responsible for the work done by the TA. Moreover, TA will not be allowed to perform duties such as result preparation, paper checking of OHTs, midterms and ESEs etc.
- (10) One workload slot for TA shall not exceed more than 3 contact hours per week. The magnitude of the workload shall be decided in a way that will not affect the performance of the TA in his / her studies/research.
- (11) The TA will assist the faculty member for the academic program which is one step lower than the TA's qualification i.e., PhD students can be assigned duties at the master's or Undergraduate level, whereas a master's student can be assigned duties at the Undergraduate level.
- (12) TAs shall be hired for one semester. Rehiring of TA/ AA will be possible upon positive feedback from the Supervisor/HoD and Head of the Institution.
- (13) This policy supersedes all previous working papers/policies regarding TA's.

## **8. Administrative Assistant**

### **a. Description:**

A PhD student, to develop their administrative and management skills, can be assigned administrative tasks in their concerned institutions.

### **b. Duties:**

In this position, PhD students can be assigned as administrative assistants with any of the following offices of their concerned institutions: -

- Principal/Dean
- Associate Dean/Associate HoD
- Head of Department (HoD)
- Program/PG Coordinator
- DCE/Exam Branch
- DD Admin & Coord

- Industry Liaison Officer (ILO)
- Other administrative offices

**c. No. of contact hours:**

Minimum 3 contact hours and Maximum 6 contact hours per week OR minimum 3 CH and maximum 6 CH per semester.

**d. Miscellaneous: -**

- (1) Upon either graduation or withdrawal, a student is bound to complete the remaining contract period.
- (2) The rehiring of the administrative assistant is based on positive feedback from the institution.

**9. Hiring Procedure and Approving Authority**

The hiring procedure and final approving authority for employment cases under categories (Hiring of Ph.D. students as TVFs, Temporary Lab Engineers, Tutors and Teaching Assistants/Administrative Assistants on a temporary basis) remains as per existing NUST NPF policy.

## **Chapter V: PhD Evaluator Selection**

The external evaluator plays a crucial role in evaluating Ph.D. theses, ensuring the research meets international standards. This section proposes amendments to the thesis evaluation process, specifically the nomination of external evaluators. It also suggests introducing independent chairs for Ph.D. thesis defense at the university level. The objectives include strengthening secrecy, avoiding the repetition of evaluators, reducing delays, and enhancing the defense process.

### **1. Selection of the External Evaluators**

#### **a. Procedure**

External evaluators for the Ph.D. thesis suggested by the supervisor will be endorsed by DBS and the Principal of the respective institution. After the endorsement institution will forward the names of 04x foreign evaluators and 04x local evaluators to the DASR. Final evaluators will be selected and confirmed by the DASR. The DASR may also select the evaluator from its existing pool. The thesis will be sent for review to the selected evaluators through the desk of PhD section, DASR.

#### **b. Foreign Evaluators**

The eligibility criteria of proposed foreign evaluators are undermentioned: -

- (1) PhD faculty member from the world's top 500 universities ranked by the Times Higher Education or QS World Ranking in the year corresponding to the dissertation Evaluation year.
- (2) Evaluators must have a minimum of 04 years post PhD experience.
- (3) Evaluators must hold a faculty position i.e., Professor/Associate Professor/Assistant Professor/ Equivalent.
- (4) The proposed evaluator must not be repeated within a year by the same supervisor.
- (5) At least one of the foreign evaluators must attend the thesis defense virtually.
- (6) The supervisor will have to mention the names of foreign evaluators in the External evaluator conflict of interest form attached as Annexure J.

#### **c. Local Evaluators**

The eligibility criteria of proposed local evaluators are undermentioned: -

- (1) Evaluators must be a PhD degree holder having a minimum of 04 years post PhD experience.
- (2) Evaluators must hold a faculty position i.e., Professor/Associate Professor/Assistant Professor.
- (3) If a local evaluator resides outside Islamabad/Rawalpindi (i.e., Lahore, Karachi, Peshawar, Quetta etc.), the supervisor must obtain consent from them to attend the thesis defense physically in person.
- (4) A local evaluator must not be repeated within a year by the same supervisor.
- (5) The supervisor will have to mention the names of local evaluators in the External evaluator conflict of interest form attached as Annexure J.

**d. Correspondence with the evaluators**

All communication with the external evaluators will be from the DASR desk. Supervisor/Institution won't be informed about selected evaluators until thesis evaluation reports have been received from the evaluators.

**e. Monitoring of evaluation process and incorporation of evaluators' comments**

BASR meeting will be held as per practice for continuous appraisal and monitoring of the thesis review process. Delays during the review process will be examined by the DASR and reminders will be sent to the evaluator in case of non-reply/delays.

- (1) If an evaluator does not respond, the next evaluator from the reserve pool be approached as per the SOP of evaluator selection.
- (2) Subsequent revisions and feedback from the external evaluators will be received by the DASR and shared with the institution immediately on Form PhD-6 attached as Annex II.
- (3) Evaluation report by all 4x evaluators (Foreign and Local) has to be positive before the student can be asked to carry out the final thesis defense.
- (4) The institution's exam branch will inform the Examination Directorate about the decision of the Evaluation Committee along with detailed reports of the external evaluator(s) and complete the case documents before the student can be asked to carry out the final thesis defense.
- (5) Incorporation of the comments provided by the evaluators will be looked at the institutional level and will be endorsed by the DBS and Principal.
- (6) However, in case of a major review recommended by any evaluator, the modified thesis must be sent to the same evaluator through the DASR ensuring that all the recommended changes have been made and endorsed by the DBS and principal of the respective institution.
- (7) In case the thesis is rejected by any of the evaluators, the BASR MEETING chaired by the Pro-rector Acad in the presence of the supervisor will be held to decide the future course of action i.e., whether to give a detailed response to same evaluator or approach reserve evaluator.

**2. Selection and roles of Chair for Ph.D. Thesis Defense**

- a. The Chair of the Ph.D. thesis defense will play a key role in maintaining transparency and independence during the final Ph.D. thesis defense to ensure the international reputation of the NUST in the award of its Ph.D. degree.
- b. Principal/ Dean of the institution will be the chair of the Thesis defense. However, if the Principal/Dean are supervisor, then defense should be chaired by either HoD or any Faculty member whose rank is Associate Professor
- c. Supervisor of the student cannot chair thesis defense. However, any internal GEC member may be allowed to chair a thesis defense in the absence of the Principal/Dean or HoD.

### 3. Role of the Examination Chair

- a. To clarify NUST rules and regulations, where appropriate, and to ensure that the oral exam is conducted professionally.
- b. To ensure that any questions raised by the examiners and audience are addressed by the candidate during the question period.
- c. Moderate the thesis defense and discussion. The Chair must intervene if the examiners do not adhere to the rules & regulations and resolve any disagreements and conflicts which may arise during the Q&A session.
- d. After the thesis defense, the chair will be required to inform the candidate, DASR and Examination Dte about the outcome and recommendations of the thesis defense.

### 4. Roles and Duties

S#	Duties	Role/Duty	Timeline
1	External evaluators willingness	Supervisor	At least 06 months before the planned thesis defense
2	Evaluators Selection (04x foreign & 04 x local)	Institution DBS	
3	Examiner Finalization	DASR	Within 02 weeks after intimation from the institution
4	Forward the Thesis for review	DASR	
5	Delays monitoring	DASR	As per practice
6	Results Received and forwarded to Supervisor	DASR	Within 01 weeks after results are received from the external evaluators
7	Forward result and full case to Examination Directorate (Annex K form)	Institution	After addressing the revision within 04 weeks' time period
8	Clearance of exam branch and intimation to DASR about clearance	Examination Dte	Within 02 week
9	Issue letter regarding the conduct of Ph.D. thesis defense	DASR	Within 01week
10	Ph.D. thesis defense Chair	Principal/Dean of the institution	
11	Announcement for the thesis defense schedule	Institution	02 weeks before the defense

12	Outcome and recommendations of the thesis defense to the institution, DASR and Examination Dte.	Chair	Within 01 week
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## **Chapter VI: Guidelines/Criteria for Doctoral Research, Role of Supervisor and GEC**

### **1. Preamble**

Research performed in pursuit of higher professional degrees should conform to a well-defined criterion, in consonance with the practices in vogue in reputed universities. Whereas each university may follow a criterion specific to its own perception and traditions, all such criteria do include the essential parameters enunciated in the following paragraphs. It is also important to keep in view the fact that research evaluation criteria vary with respect to the field of research i.e., Engineering, Basic Sciences, Information Technology, Medical etc. Not only that, but the criteria also differ in relation to the higher professional degree being sought. Broadly speaking, MSc/ MPhil level research aims to discover a solution to a given problem, while the knowledge of the relevant field already exists. Doctoral-level research, on the other hand, mainly focuses on advancing the boundary of known knowledge of a specific field, prior to developing a solution.

### **2. Research Criteria**

This paper deals with Doctoral research. The salient points of the proposed criteria are stated below:

#### **a. Selection of Research Topics**

Generally speaking, a research work could be categorized either as “Basic Research” or “Applied Research”. Basic Research aims to create new knowledge for its own sake and its results may not find immediate applications. Applied research, on the other hand, aims to develop new knowledge for solving a specific problem. Most of the research performed in Basic Sciences belongs to the first category. The research performed in engineering fields comprises the second category. It is opined that NUST Engineering Institutions should select and pursue those research topics which create solutions of problems being faced by our industry. Hence, the selection of research topics be undertaken with in-depth deliberation and analysis, to ensure optimum utilization of resources. In the final analysis, results accrued from applied research should make a positive contribution to improving the quality of life directly or indirectly.

#### **b. Clarity of Topic**

The research topic should be as clearly defined as possible, indicating its scope and constraints within which the research would be conducted. Because of uncertainties in research pursuits, the priorly defined topic may have to be adjusted and fine-tuned till the successful completion of the research project.

#### **c. Originality**

As stated earlier, the essential requirement of Doctoral research is to break new ground and make some original contribution to the known knowledge of a specific subject. Needless to say, that such a contribution may not necessarily be a completely new theory. It could comprise new extensions to the presently cognized knowledge or unique application of the existing knowledge, or even hybridizing knowledge of different subjects to create new

knowledge. The research must bring out the original contribution quite clearly and unambiguously.

**d. Mathematical Robustness**

The validity of the research work should be supported by proven and well-established Mathematical principles. It amounts to saying that the inferences accruing from a research work should be explainable through mathematical logic and not just through intuition, gut feeling, or the emphasis that inferences have been practically realized. This particular point may not have much relevance to the research performed in fields like Medical and Social and Basic Sciences.

**e. Recommendations for further work**

Whereas, successful research culminates in quantifiable results, there is always a scope for further improvements, newer innovations and the realization of more proficient approaches to solving a problem. It is, therefore, of utmost importance that a researcher should point to the directions in which further work could be undertaken. Continuity in research pursuits is an essential hallmark of all Doctoral research works, especially in engineering fields.

**3. Criteria to be a PhD Supervisor and Maximum Limit of Supervision**

A faculty member desiring to become supervisor of PhD student must fulfill the undermentioned criteria:

- a. PhD degree holder in relevant field of research from HEC recognized national/international university/degree awarding institute (DAI).
- b. Have no conflict of interest (personal, financial, or professional) with their under-supervision students
- c. Capable of conducting themselves in a thorough academic and professional manner during the course of student supervision
- d. Capable of maintaining confidentiality and intellectual rights of research work produced with their students
- e. Should be a regular faculty member of the University
- f. In the case of being a fresh PhD graduate, a faculty member (FM) can only co-supervise PhD students during the initial two years of being a FM. However, based on the number of years after PhD, faculty member is allowed undermentioned:
  - (1) Supervision of 1x PhD student after two years
  - (2) Supervision of 2x PhD students after three years
  - (3) Supervision of 5x PhD students after four years and onward.
- g. FM should have published undermentioned research articles in HEC's recognized research journals and the category specified in the HJRS for the publication year. Requirements as per discipline are as follows:-
  - a. **For Science & Technology:** At least 1x journal paper in the W category within the last 3 years after completion of their PhDOR

At least 5x journal papers in X category within the last 5 years after completion of their PhD

- b. **For Social Sciences, Arts & Humanities, and Business Studies:** At least 1x journal paper in the W category within the last 3 years after completion of their PhD  
OR

At least 5x journal papers in either X or Y category within the last 5 years after completion of their PhD

#### **4. Roles and Responsibilities of Supervisors**

##### **a. Knowledge of regulations, policies, and procedures**

Supervisors should have a good understanding of and adhere to department, faculty, and university policies, regulations, and procedures, using them as a guide for their interactions with PhD students. It is recommended that supervisors stay updated on these policies, particularly those approved in ACM (available on LMS) and any instruction issued by the relevant Dte or SOP of the institution. They should also be familiar with the available support services for PhD students, which can be obtained through department PhD/graduate coordinators, Exam branch of the Institution and Main office, DASR and Research Dte.

##### **b. Advice on program of study, research, and professional development**

Supervisors are expected to serve as mentors to their PhD students, providing well-informed advice on academics and professional development. Specifically, supervisors should be prepared to:

- (1) Advise on an appropriately challenging academic program that aligns with the degree being pursued and can be completed within reasonable time and resource expectations.
- (2) Assist in selecting the required courses and seminars to fulfil degree requirements.
- (3) Guide the development and structure of the student's research topic and proposal.
- (4) Collaborate on creating a communication plan with the GEC to assess the student's progress, including during thesis writing and completion, and the role of committee members in the assessment.
- (5) Inform about available on-campus Jobs, seminars, or other experiential learning opportunities as part of the program.
- (6) Make students aware of professional development resources to help them advance their careers.

#### **5. Meetings/consultation**

Establishing and communicating clear expectations is crucial for positive experiences between PhD students and their supervisors. Regular meetings and consultations should be arranged to ensure steady progress. Supervisors are encouraged to provide timely feedback on students' written submissions (i.e., draft research papers, Chapters, thesis etc.). Key responsibilities of supervisors include:

- (1) Ensuring doctoral students have a GEC formed within the first month after the joining of students.

- (2) Arranging regular meetings with students, considering their individual needs and progress.
- (3) Communicating evaluations of student progress to the department/HoD.
- (4) Thoroughly reviewing and providing constructive feedback on all relevant written materials.
- (5) Adhering to guidelines for evaluating student progress in a research program.
- (6) Informing students about available resources to enhance their oral communication and writing skills.
- (7) Being supportive of students' well-being and directing them to appropriate support services.

**f. Academic progress**

- (1) The supervisor must ensure that the student is timely submitting the six-monthly progress report, GEC meeting and present in departmental/institutional progress review seminar.
- (2) The supervisor must be present in these Progress review seminars. In case of absence from these seminars, the supervisor must report to the department.
- (3) Students approaching to time-barred may be warned and given due attention.

**g. Absence**

- (1) When supervisors are away from the university for an extended period, they should:
  - (a) Inform students, prospective students, and the department about the anticipated absence and lack of communication. If the absence lasts for one month or more, supervisors must arrange suitable communication methods or assign this task to a co-supervisor/GEC member preferably from the same department/institution. They must also inform the student's department about the arrangements, including supervision of laboratory or fieldwork (if applicable).
  - (b) Ensure students are aware that if a supervisor will be away from campus for a month or more then the students and supervisor can mutually decide if they have the option to stay on campus or otherwise.
- (2) In case of supervisor is posting out, leaving, or going on leave for more than six months, he/she may well inform this to the student for necessary arrangements.
- (3) In case of absence of a student, the supervisor must inform the department (preferably in written) to decide the further course of action.

**h. Financial assistance**

Supervisors should have knowledge of funding opportunities available to students and communicate with them clearly. They should follow the SOP on financial commitment when offering assistance from research grants. Additionally, supervisors should support students in understanding their funding.

**i. Intellectual property**

In academic relationships, students and supervisors often bring their own intellectual property (IP), and there may be an expectation of creating new IP together. To ensure clarity and fair treatment, it is best practice for supervisors to discuss IP issues regularly with students. Specifically, supervisors should:

- (1) Discuss IP matters such as patents, software, copyrights, and income from sales and royalties.
- (2) Inform students about university policies regarding IP and research conduct.
- (3) Recognize that, typically, creators own the IP, but the university retains a royalty-free right to use it for educational and research purposes.
- (4) Encourage written agreements between supervisors and students to clarify pre-existing IP ownership and establish default ownership for jointly created IP.
- (5) Address the implications and obligations related to IP when conducting contract research.
- (6) Discuss with students and research partners the protection of IP through patents or copyrights.
- (7) Acknowledge significant intellectual contributions by students through co-authorship.
- (8) Inform students in advance of publication whether they will be recognized as co-authors for contract work.
- (9) All the above-mentioned and any other points may be read in conjunction with NUST IP policy, and a close liaison has to be established with the NUST IP office during this duration.

**j. Publications**

When supervisors and PhD students work collectively on these academic works, it is important for both that their relative contributions are represented appropriately. To achieve these goals, supervisors should:

- (1) Discuss authorship practices and university publication policies with students early in their program.
- (2) Reach agreement with students in advance on how authorship will be shared for collaborative work.
- (3) Encourage publication in scholarly journals and presentations at conferences and seminars.
- (4) Promote research dissemination through non-traditional avenues like Open Access resources, public presentations, and popular media.

**k. Evaluator selection and Thesis defense**

- (1) The supervisor will find and suggest the evaluator for the PhD thesis evaluation without any intervention of the student. The supervisor must know the policy for selecting an evaluator as per PhD policy and may not deviate from the policy.
- (2) The supervisor in consultation with the student will schedule the thesis defense. All the policies for the conduct of defense must be ensured.

## **6. Guidelines for Guidance and Examinations Committee (GEC)**

The supervisor and GEC of a research student carry the responsibility to supervise and guide the research work right from the ab-initio till its successful culmination in tangible and verifiable results. It is a very demanding task and is always replete with challenges and uncertainties. The quality of supervision ultimately impacts the quality of research and its results. The supervisor and GEC, therefore, have ethical and professional responsibilities to fulfil. Given below are a few suggestions to deal with aforesaid challenges effectively.

### **a. Preparatory Steps**

- (1) To ensure that the prospective candidate fulfils all conditions laid down in the HEC / NUST criteria for Doctoral candidates, prior to the commencement of research work.
- (2) To specify 800/900 level (i.e. Graduate standards) courses to be taken by the student. These courses should aid in undertaking the perceived research work. The student should complete at least 48 credit hours worth of such courses, including the 30 credit hours already completed towards the MSc degree. If a student earns his MSc Degree from another university, or from another campus of NUST, then the level and depth of the courses done will be evaluated by the GEC as per NUST regulations.
- (3) To ensure that the student earns at least 3.5 /400 as a Cumulative Grade Point Average.
- (4) To specify the courses, in consultation with the student, in which his qualifier examination will be conducted.
- (5) To prepare question papers for the written part of the Qualifier Exam. Similarly, the GEC is also responsible for holding the Oral Part of the examination. The conduct of these examinations should be as per NUST Policy.

### **b. Supervision of Research**

- (1) After successfully passing the qualifier examination, the student should start the “LITERATURE SEARCH” phase. It entails an extensive search and in-depth study of the latest research papers concerning various aspects of the chosen research topic. It is a critical phase because most of the contents of research papers will not be clear to the student. Therefore, the student would need a lot of help from the supervisor for explanation etc. Fortunately, now almost all NUST campuses have online facilities to search the requisite papers and journals. It is suggested that the student should be regularly meet the supervisor at least once a month to discuss the contents of the research papers and resolve the difficulties. Depending on the student’s progress in comprehending the literature, the frequency of these meetings could be readjusted.
- (2) After completion of the literature search phase, the student may hold a defense for justifying the chosen research topic. This defense must be attended by the entire GEC and the supervisor may also like to elaborate on the broad limiting constraints within which the research would be confined.

- (3) As the student progresses in the research work, the supervisor should continue to ensure that his ward does not embark on a route which is already known to lead to a dead-end. To avoid this situation, and it does happen quite often, the student be asked to brief GEC members at least once in six months. During this phase, as and when deemed appropriate by the supervisor, the student be exhorted to attend conferences/seminars/workshops pertaining to his research area. He should also be encouraged to author, initially, conference-level papers and, in due course, contribute papers in journals of repute. Only those journals having some impact factor and included in the HEC's database be selected for this purpose.
- (4) If the supervisor and GEC feel satisfied that sufficient research work has been successfully accomplished, the student be asked to commence the writing phase. The supervisor has to ensure that the writing of the thesis is not taken lightly by the student. The experience shows that a good Doctoral thesis may take 6 to 12 months to write, with no intervening discontinuities.
- (5) In the meantime, the supervisor and GEC need to identify a panel of two foreign and two local experts who will review the thesis and give their respective opinions about its acceptability for the award of the PhD degree.

## 7. **Evaluation of Thesis**

Evaluation of a Doctoral thesis is an equally challenging task and demands a deep professional and ethical approach on the part of the evaluator. A thorough evaluation of a Doctoral thesis requires many weeks to complete. In this context, the following points are suggested to ensure a comprehensive evaluation of a thesis: -

- a. **Chronology and Linguistic Aspects.** The evaluator should ascertain that the thesis is well-written and follows a chronological sequence. Also, it is free of linguistic and grammatical errors. Each chapter should define the scope of the chapter, followed by the requisite elaborative details and, at the end, a crisp summary of the chapter's subject. The overall subject matter should flow smoothly from one chapter to another till the last one, giving main conclusions and recommendations.
- b. **Affirmation of Meeting the Research Criteria.** The evaluator should determine whether the thesis conforms to the research criteria outlined earlier, i.e., it has originality, its mathematical contents are sound, and all accruing results and inferences have been unambiguously verified. The thesis should also recommend various directions for future work.
- c. **Guarding Against Plagiarism.** Plagiarism means using or reproducing someone else's research results without giving due credit to the original author/ researcher through citing the references. The evaluator has to ensure that no plagiarized material is contained in the thesis. Even a minor content of plagiarized material disqualifies the entire thesis, and it becomes a case for strong disciplinary action not only against the student but against the thesis supervisor as well. The thesis should contain the complete bibliography of all the referenced papers, journals and books.
- d. **Complementary Material.** The evaluator should also go through the complementary materials placed in the thesis, i.e. software codes, computer printouts etc, equally diligently to vouch for their originality and correctness as well.

- e. **Incorporating the Evaluator's Comments.** The supervisor and each GEC member should also review the thesis in detail. They should meet to discuss the comments and observations of each evaluator. It is the responsibility of the supervisor to make sure that the student incorporates due changes and improvements in the thesis to remove all shortcomings as noted by each GEC member.



National University of Sciences and Technology  
**RECOMMENDATIONS FOR ADMISSION TO THE PhD PROGRAM**  
(To be filled by Institution)

**Part-I: PARTICULARS OF THE CANDIDATE/STUDENT**

- a. Name \_\_\_\_\_ Father's Name \_\_\_\_\_
- b. Institution: \_\_\_\_\_ Dept \_\_\_\_\_
- b. NIC No \_\_\_\_\_ Permanent Address \_\_\_\_\_
- c. Mailing Address \_\_\_\_\_
- d. Email \_\_\_\_\_ Cell No \_\_\_\_\_
- e. Bachelors in \_\_\_\_\_ From \_\_\_\_\_ Year \_\_\_\_\_ CGPA/ % age \_\_\_\_\_
- f. Masters (Msc) in \_\_\_\_\_ From \_\_\_\_\_ Year \_\_\_\_\_ CGPA/ % age \_\_\_\_\_  
(16 Years Education)
- g. MS/MPhil in \_\_\_\_\_ From \_\_\_\_\_ Year \_\_\_\_\_ CGPA/ %age \_\_\_\_\_  
(18 Years Education)
- h. International GRE General/NTS GAT (General)/ HAT/ G-NET \_\_\_\_\_  
(Attach an attested copy of the Score Report)

**Part-II SUPERVISOR'S RECOMMENDATIONS**

- a. Proposed area of research with brief details (use additional sheet if required): \_\_\_\_\_  
\_\_\_\_\_
- b. \_\_\_\_\_
- c. emic deficiencies/Pre-requisites/special conditions if any required to be fulfilled by the student, Institution or Main Office, NUST before finally admitting the student (use additional sheet if required):
- d. Expected time period (in years and months) for completion of research/PhD program: \_\_\_\_\_  
\_\_\_\_\_
- e. Area of specialization of the supervisor and its relevance to the proposed research interest (use additional sheet if required): \_\_\_\_\_
- f. No of PhD students already registered with the Supervisor: -
- |  |   |       |
|--|---|-------|
| (1) MoST/HEC Sponsored Students  | : | _____ |
| (2) NUST Sponsored Students<br>(please state name of scheme with each)                 | : | _____ |
| (3) Any Other Sponsoring Agency's Students<br>(please state name of sponsor with each) | : | _____ |
| (4) Any Other Students   | : | _____ |

Supervisor's Name: \_\_\_\_\_ Institution: \_\_\_\_\_ Sig \_\_\_\_\_  
Email : \_\_\_\_\_

Co Supervisor Name (If any): \_\_\_\_\_ Institution: \_\_\_\_\_ Sig \_\_\_\_\_

**RECOMMENDATIONS OF THE INSTITUTION**

(Give reasons if the applicant is not accepted for the PhD program, use additional sheet if required)

\_\_\_\_\_  
Head of the Department  
Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal  
Dated: \_\_\_\_\_

**Distribution:**

- 1 x Original copy each to DASR, Examination Dte at Main Office, NUST and student dossier at school/college.
- 1 x photocopy to supervisor, student and sponsoring agency



National University of Sciences and Technology

**ADMISSION TO THE PhD PROGRAMME**  
**(To be filled by DASR, Main Office)**

Following student is admitted to the PhD Programme of NUST in the Discipline of: -

\_\_\_\_\_ at \_\_\_\_\_

Name: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Father's Name: \_\_\_\_\_ CNIC No: \_\_\_\_\_

Mobile No: \_\_\_\_\_ Email : \_\_\_\_\_

Institution: \_\_\_\_\_ Dept : \_\_\_\_\_

CMS ID: \_\_\_\_\_ Campus ID \_\_\_\_\_

Proposed Area of Research: \_\_\_\_\_

Supervisor: \_\_\_\_\_

Co-Supervisor (if appointed): \_\_\_\_\_

Sponsoring Agency (if any): \_\_\_\_\_

Date of Admission: \_\_\_\_\_

\_\_\_\_\_  
AD / DD PhD

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean ASR

**Distribution:**

- 4 x copies retained at Main Office NUST (1 each with DASR, Fin Dte, Admin Dte and Examination Dte ).
- 1 x copy of this form shall be maintained in the student's dossier at the Constituent College/School/Centre.
- 1 x copy each to Supervisor, Co-Supervisor (if appointed).
- 1 x copy sent to sponsoring organization (if any).
- 1 x copy of this form will be retained by the student.



National University of Sciences and Technology

**FORMULATION OF GUIDANCE & EXAMINATION COMMITTEE (GEC)  
(To be filled by Institution)**

Student's Name: \_\_\_\_\_ NUST Regn No: \_\_\_\_\_  
Institution: \_\_\_\_\_ Department: \_\_\_\_\_  
Area of Research: \_\_\_\_\_

**GUIDANCE & EXAMINATION COMMITTEE MEMBERS**

**Supervisor**

Name: \_\_\_\_\_ Email: \_\_\_\_\_  
Institution /Dept: \_\_\_\_\_ Signature \_\_\_\_\_

HEC Approved supervisor: (Check one of undermentioned boxes)

Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Yes – Date of approval/renewal: Day/Month/Year

Yes - but renewal is in process. Date of renewal Applied: Day/Month/Year

No – not applied yet.

No – but approval in process. Date of approval applied: Day/Month/Years

**Co-Supervisor (if appointed)**

Name: \_\_\_\_\_ Email: \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_ Signature \_\_\_\_\_

**Committee Members**

- Name : \_\_\_\_\_ Email: \_\_\_\_\_  
Dept: \_\_\_\_\_ Signature \_\_\_\_\_
- Name : \_\_\_\_\_ Email: \_\_\_\_\_  
Dept: \_\_\_\_\_ Signature \_\_\_\_\_
- Name : \_\_\_\_\_ Email: \_\_\_\_\_  
Organization (External): \_\_\_\_\_ Signature \_\_\_\_\_

Date of formulation of GEC: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Student's Signature

**APPROVED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal

**Distribution:**

- 1 x Original copy each to DASR, Examination Dte at Main Office, NUST and student dossier at school/college.
- 1 x photocopy to supervisor, student and sponsoring agency



National University of Sciences & Technology, Islamabad

**PETITION FOR CHANGE IN THE RESEARCH TOPIC AND/OR  
GUIDANCE & EXAMINATION COMMITTEE (GEC)**

Student's Name: \_\_\_\_\_ NUST Regn No: \_\_\_\_\_

Institution: \_\_\_\_\_ Department: \_\_\_\_\_

**RESEARCH TOPIC CHANGES**

**OLD**

**NEW**

_____	_____
_____	_____
_____	_____

**COMMITTEE MEMBER CHANGES**

(Signatures of those to be deleted are required. If signature for deletion cannot be obtained type reasons on the signature line)

**DELETE**

**ADD**

1. Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

2. Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

3. Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

**SUPERVISOR CHANGES**

**DELETE**

**ADD**

4. Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

**CO-SUPERVISOR CHANGES**

**DELETE**

**ADD**

5. Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Name : \_\_\_\_\_  
Dept/Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature of Supervisor (if the co-supervisor has been changed)

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Student

Dated: \_\_\_\_\_

\_\_\_\_\_  
Signature of Supervisor

**APPROVED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal

**Distribution:**

- 01 x original copy each to Examination Dte, at Main Office NUST and in Student's dossier at the School/College/Centre
- 01 x photocopy each to DASR and Supervisor..



National University of Sciences and Technology  
**MINUTES OF GEC MEETING – PhD STUDENTS**  
**(To be filled by Institution)**

Student Name: \_\_\_\_\_ Regn No: \_\_\_\_\_

Discipline: \_\_\_\_\_ Department: \_\_\_\_\_

Research Topic: \_\_\_\_\_

Date of Previous meeting: \_\_\_\_\_ Student Sig \_\_\_\_\_

**Agenda Points**

**Decision Taken**

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**GEC Members Attending.** The meeting was held on \_\_\_\_\_ following members attended:-

1. Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Supervisor)
2. Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Co Supervisor)
3. Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Member)
4. Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Member)
5. Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Member)

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department/Dean

**Notes:-**

1. GEC meetings of each PhD student will mandatorily be held after every six months till completion of PhD program. First meeting will however be held immediately after formulation of GEC i.e. within 30 days of student's admission. Supervisor is to ensure timely conduct of meetings.
2. At least 03 members (including supervisor and external GEC) should be present during meeting to fulfill the quorum requirement.
3. Agenda of the meeting will be decided by the supervisor in consultation with the student. Agenda points may include:- coursework to be undertaken, Qualifying Exam, Research Progress, Guidance on research work or any other point. Additional sheet may be used/attached (if required).

**Distribution:-**

- 01 x original copy each to DASR at Main Office NUST and in student's dossier at the School/College/Centre.
- 01 x photocopy each to Examination Dte at Main Office and Supervisor.



National University of Sciences and Technology  
**REPORT OF QUALIFYING EXAMINATION PART A – SUBJECT EXAM**  
(To be filled by Institution)

Name: \_\_\_\_\_ NUST Regn No: \_\_\_\_\_

Institution: \_\_\_\_\_ Dept: \_\_\_\_\_

**1<sup>st</sup> Attempt**                      **Date:** \_\_\_\_\_

Paper-I (Major Area) \_\_\_\_\_ Marks Obtained \_\_\_\_\_%

Paper-II (Allied Area) \_\_\_\_\_ Marks Obtained \_\_\_\_\_%

**PASS**                       **FAIL**

**In case of failure in first attempt:-** List the conditions that must be met beforehand and the

date for next Qualifying Exam-Part A: \_\_\_\_\_

Date for 2<sup>nd</sup> Attempt: \_\_\_\_\_

GEC Comments page by each member, clearly mentioning the reasons for student's failure is attached.  yes  No

**2<sup>nd</sup> Attempt**                      **Date:** \_\_\_\_\_

Paper-I (Major Area) \_\_\_\_\_ Marks Obtained \_\_\_\_\_%

Paper-II (Allied Area) \_\_\_\_\_ Marks Obtained \_\_\_\_\_%

**PASS**                       **FAIL**

Date \_\_\_\_\_

\_\_\_\_\_  
Signature of Supervisor

**APPROVED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal

**Distribution:**

01 x original copy each to Examination Dte, at Main Office NUST and in student's dossier at the School/College/Centre  
01 x photocopy each to DASR, Supervisor and sponsoring agency (if any).



**National University of Sciences & Technology**  
**REPORT OF QUALIFYING EXAMINATION PART-B (ORAL EXAM)**  
**(To be filled by Institution)**

Name: \_\_\_\_\_ NUST Regn No: \_\_\_\_\_

Institution: \_\_\_\_\_ Department: \_\_\_\_\_

Passed Part-A of the Qualifying Exam on Date: \_\_\_\_\_

**1<sup>st</sup> Attempt** Date: \_\_\_\_\_  **2<sup>nd</sup> Attempt** Date: \_\_\_\_\_

	<u>QUALIFIED</u>	<u>NOT QUALIFIED</u>	
1. GEC Member-1	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
2. GEC Member-2	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
3. GEC Member-3 (External)	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
4. Supervisor	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
5. Co-Supervisor (if appointed)	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
6. HOD	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.
7. Dean/Commandant/ Principal	<input type="checkbox"/>	<input type="checkbox"/>	Signature _____ Dr.

**FINAL RESULT OF THE QUALIFYING EXAMINATION PART-B**

**PASS**                       **FAIL**

**In case of failure in first attempt:** - List the conditions that must be met beforehand and the date for next Qualifying Exam – Part B

\_\_\_\_\_

Date for 2<sup>nd</sup> Attempt: \_\_\_\_\_

GEC Comments page by each member, clearly mentioning the reasons for student's failure is attached.  yes  No

**Finalized Research Topic:** \_\_\_\_\_

\_\_\_\_\_

Dated: \_\_\_\_\_

**APPROVED**

\_\_\_\_\_  
Signature of Supervisor

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal/DG

**Distribution:**

01 x original copy each to Examination Dte, at Main Office NUST and in student's dossier at the School/College/Centre  
01 x photocopy each to DASR, Supervisor and sponsoring agency (if any).



**Annex H**

Form PhD-6  
DOCTORAL PROGRAM  
OF STUDY  
(Must be type written)  
(Page 1 of 10)

National University of Sciences and Technology  
**THESIS EVALUATION REPORT**  
(To be filled by Institution)

We hereby recommend that the thesis prepared under our supervision by \_\_\_\_\_(Name)\_\_\_\_\_ Regn No \_\_\_\_\_

\_\_\_\_\_.

Titled: \_\_\_\_\_

be accepted as fulfilling in part of Doctor of Philosophy Degree.

**THESIS EVALUATION COMMITTEE MEMBERS SIGNATURES**

(Thesis Evaluation Committee Members' Responses are available from page 2 to 9)

GEC Member 1: \_\_\_\_\_ Signature : \_\_\_\_\_

GEC Member 2: \_\_\_\_\_ Signature : \_\_\_\_\_

GEC Member (External) 3: \_\_\_\_\_ Signature : \_\_\_\_\_

Supervisor: \_\_\_\_\_ Signature : \_\_\_\_\_

Co-Supervisor (if appointed): \_\_\_\_\_ Signature : \_\_\_\_\_

External Evaluator 1: \_\_\_\_\_ Signature : \_\_\_\_\_  
(Local Expert)

External Evaluator 2: \_\_\_\_\_ Signature : \_\_\_\_\_  
(Local Expert)

External Evaluator 3: \_\_\_\_\_ Signature : \_\_\_\_\_  
(Foreign Expert)

External Evaluator 4: \_\_\_\_\_ Signature : \_\_\_\_\_  
(Foreign Expert)

**APPROVED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Head of the Department

**COUNTERSIGNED**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Dean/Commandant/Principal

**Distribution:**

1 x copy each to DASR, Examination Branch at Main Office, NUST and HoD, Supervisor, Co-Supervisor (if appointed), in student's dossier at the Institution, sponsoring agency (if any), the student and each member of GEC.



## **THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

### **GEC Member 1**

#### 1. **Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

#### 2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current Designation \_\_\_\_\_

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a Is this a significant contribution to the body of knowledge? Yes  No

Comment if Any:

- b Do you suggest any addition, or deletion? Yes  No

Comment if Any:

- c Please tick (✓) one of the following boxes: -

- i. Acceptable in its present form   
ii. Acceptable with minor revision   
iii. Major Revision (Re-evaluation required)   
iv. Unacceptable for PhD degree

Signature of Evaluator: (E-signature required)

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**GEC Member 2**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of Member2:

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**GEC Member 3 (External)**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. Address \_\_\_\_\_  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation \_\_\_\_\_

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a Is this a significant contribution to the body of knowledge? Yes  No

Comment if Any:

- b Do you suggest any addition, or deletion? Yes  No

Comment if Any:

- c Please tick (✓) one of the following boxes: -

- i. Acceptable in its present form   
ii. Acceptable with minor revision   
iii. Major Revision (Re-evaluation required)   
iv. Unacceptable for PhD degree

Signature of External Member:

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Supervisor**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
 c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
 e. Name of Supervisor: \_\_\_\_\_  
 f. Thesis Title: \_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
 Current  
 Address  
 c. Email \_\_\_\_\_ d. Designation \_\_\_\_\_

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
 Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
 Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of  
 Supervisor:

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Co-Supervisor**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of Co-Supervisor:

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Local Evaluator - 1**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a Is this a significant contribution to the body of knowledge? Yes  No

Comment if Any:

- b Do you suggest any addition, or deletion? Yes  No

Comment if Any:

c Please tick (✓) one of the following boxes: -

- i. Acceptable in its present form   
ii. Acceptable with minor revision   
iii. Major Revision (Re-evaluation required)   
iv. Unacceptable for PhD degree

Signature of Evaluator: (E-signature required)

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Local Evaluator - 2**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
 c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
 e. Name of Supervisor: \_\_\_\_\_  
 f. Thesis Title: \_\_\_\_\_  
 \_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
 Address \_\_\_\_\_  
 c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
 Designation \_\_\_\_\_

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
 Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
 Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of Evaluator: (E-signature required)

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Foreign Evaluator - 1**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of Evaluator: (E-signature required)

Date: \_\_\_\_\_



**THESIS EVALUATION COMMITTEE MEMBERS' RESPONSES**

**Foreign Evaluator - 2**

**Students Details: -**

- a. Name : \_\_\_\_\_ b. Regn No: \_\_\_\_\_  
c. Campus : \_\_\_\_\_ d. Discipline: \_\_\_\_\_  
e. Name of Supervisor: \_\_\_\_\_  
f. Thesis Title: \_\_\_\_\_  
\_\_\_\_\_

2. **Details of Evaluator: -**

- a. Name \_\_\_\_\_ b. \_\_\_\_\_  
Address  
c. Email \_\_\_\_\_ d. Current \_\_\_\_\_  
Designation

3. Please tick the appropriate box while answering the following questions regarding the PhD Thesis (also kindly attach separable detailed comments in response to each of the questions):

- a. Is this a significant contribution to the body of knowledge? Yes  No   
Comment if Any:
- b. Do you suggest any addition, or deletion? Yes  No   
Comment if Any:
- c. Please tick (✓) one of the following boxes: -
- i. Acceptable in its present form
- ii. Acceptable with minor revision
- iii. Major Revision (Re-evaluation required)
- iv. Unacceptable for PhD degree

Signature of Evaluator: (E-signature required)

Date: \_\_\_\_\_



## National University of Sciences & Technology REPORT OF DOCTORAL THESIS DEFENCE

Name: \_\_\_\_\_ NUST Regn No: \_\_\_\_\_

School/College/Centre: \_\_\_\_\_

Title: \_\_\_\_\_

### DOCTORAL DEFENCE COMMITTEE

Doctoral Defence held on \_\_\_\_\_

	QUALIFIED	NOT QUALIFIED	SIGNATURE
GEC Member-1: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
GEC Member-2: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
GEC Member (External): _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
Supervisor: _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
Co Supervisor (if appointed): _____	<input type="checkbox"/>	<input type="checkbox"/>	_____
External Evaluator-1: _____ <small>(Local Expert)</small>	<input type="checkbox"/>	<input type="checkbox"/>	_____
External Evaluator-2: _____ <small>(Local Expert)</small>	<input type="checkbox"/>	<input type="checkbox"/>	_____
External Evaluator-3: _____ <small>(Foreign Expert)</small>	<input type="checkbox"/>	<input type="checkbox"/>	_____
External Evaluator-4: _____ <small>(Foreign Expert)</small>	<input type="checkbox"/>	<input type="checkbox"/>	_____

### FINAL RESULT OF THE DOCTORAL DEFENCE (Appropriate box to be signed by HOD)

<input style="width: 100%;" type="checkbox"/>	PASS	<input style="width: 100%;" type="checkbox"/>	FAIL
---	------	---	------

The student \_\_\_\_\_ Regn No \_\_\_\_\_ is / is NOT accepted for Doctor of Philosophy Degree.

Dated: \_\_\_\_\_

Dean/Commandant/Principal/DG

**Distribution:**

01 x original copy each for DASR, Examination Dte Main Office NUST and Student's dossier at the School/College/Centre.

01 x photocopy each for HoD, Supervisor, Co-Supervisor (if appointed), sponsoring agency (if any) and 05 copies for insertion in Dissertation.

Note:\* Decision of External Evaluators (Foreign Experts) will be sought through video conference, if possible, on the same date and their decision will



External Evaluator Conflict of Interest Consent

1. **Students Details: -**

- a. Name : \_\_\_\_\_
- b. Regn No: \_\_\_\_\_
- c. Campus : \_\_\_\_\_
- d. Discipline: \_\_\_\_\_
- e. Name of Supervisor: \_\_\_\_\_
- f. Thesis Title: \_\_\_\_\_

2. **Details of Proposed Evaluator: -**

**Evaluator 1**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 2**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 3**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 4**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 5**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 6**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 7**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

**Evaluator 8**

- a. Name \_\_\_\_\_
- b. Address \_\_\_\_\_
- c. Email \_\_\_\_\_
- d. Current Designation \_\_\_\_\_

This is to ensure and confirm that the external examiners, supervisor, and the student have no conflict of interest as per HEC policy.

Supervisor Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**CAUTION LETTER FOR PhD STUDENT**

Regn No: **(CMS ID)**  
Name of Student: **PhD SCHOLAR (Name of Student), (Name of Institution)**  
Date of Admission: **06 February 2018**

1. As per NUST Statutes, para 12 (c), a PhD student must complete PhD studies within eight years.
2. You completed **05 Years** of PhD studies on **05 February 2023**. Your PhD study duration is being time-barred on **05 February 2026**.
3. It is also mentioned that the following must be ensured before the selection of Foreign/Local Evaluators as per NUST PhD Policy: -
  - a. BASR MEETING for selecting Foreign/Local evaluators for PhD thesis should be held at least six months before completion of maximum PhD tenure.
  - b. A student must attend 15 PhD defense/International and National conferences before the evaluator's selection. A record of the same countersigned by the supervisor will be included in the documents forwarded for evaluators' selection.
  - c. A student must have completed the publication requirement as per PhD Policy.
  - d. Pre-defence shall be conducted on the research thesis in attendance of the institution's faculty.
4. Given the above, you are hereby cautioned to complete all the requirements, including thesis defense, for the award of PhD degree by **05 February 2026**.

Signature of HoD: \_\_\_\_\_

Name of HoD: \_\_\_\_\_

Institution: \_\_\_\_\_

Date: \_\_\_\_\_

5. I have read and understood the contents of the caution letter.

Signature of Student \_\_\_\_\_ dated \_\_\_\_\_

**COUNTERSIGNED**

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Commandant/Dean/Principal  
(with stamp)



**CAUTION LETTER FOR PhD STUDENT**

Regn No: **(CMS ID)**  
Name of Student: **PhD SCHOLAR (Name of Student), (Name of Institution)**  
Date of Admission: **13 February 2017**

1. As per NUST Statutes, para 12 (c), a PhD student must complete PhD studies within eight years.
2. You completed **06 Years** of PhD studies on **12 February 2023**. Your PhD study duration is being time-barred on **12 February 2025**.
3. It is also mentioned that the following must be ensured before the selection of Foreign/Local Evaluators as per NUST PhD Policy: -
  - a. BASR MEETING for selecting Foreign/Local evaluators for PhD thesis should be held at least six months before completion of maximum PhD tenure.
  - b. A student must attend 15 PhD defense/International and National conferences before the evaluator's selection. A record of the same countersigned by the supervisor will be included in the documents forwarded for evaluators' selection.
  - c. A student must have completed the publication requirement as per PhD Policy.
  - d. Pre-defence shall be conducted on the research thesis in attendance of the institution's faculty.
4. Given the above, you are hereby cautioned to complete all the requirements, including thesis defense, for the award of PhD degree by **12 February 2025**.

Signature of HoD: \_\_\_\_\_

Name of HoD: \_\_\_\_\_

Institution: \_\_\_\_\_

Date: \_\_\_\_\_

5. I have read and understood the contents of the caution letter.

Signature of Student \_\_\_\_\_ dated \_\_\_\_\_

**COUNTERSIGNED**

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Commandant/Dean/Principal  
(with stamp)



**WARNING LETTER FOR PhD STUDENT**

**Regn No:** (CMS ID)

**Name of Student:** PhD SCHOLAR (Name of Student), (Institution)

**Date of Admission:** 01 Feb 2016

1. As per NUST Statutes, para 12 (c), a PhD student must complete PhD studies within eight years.
2. You completed **07 Years** of PhD studies on **31 Jan 2023**. Your PhD study duration is being time-barred on **31 Jan 2024**.
3. It is also mentioned that the following must be ensured before the selection of Foreign/Local Evaluators as per NUST PhD Policy: -
  - a. BASR MEETING for selecting Foreign/Local evaluators for PhD thesis should be held at least six months before completion of maximum PhD tenure.
  - b. A student must attend 15 PhD defense/International and National conferences before the evaluator's selection. A record of the same countersigned by the supervisor will be included in the documents forwarded for evaluators' selection.
  - c. A student must have completed the publication requirement as per PhD Policy.
  - d. Pre-defence shall be conducted on the research thesis in attendance of the institution's faculty.
4. Given above, you are warned to complete all the requirements, including thesis defense, for the award of PhD degree by **31 Jan 2024**. Furthermore, no additional time will be provided for degree completion, and you shall be solely responsible in case of getting time-barred.

Signature of HoD: \_\_\_\_\_

Name of HoD: \_\_\_\_\_

Institution: \_\_\_\_\_

Date: \_\_\_\_\_

5. I have read and understood the contents of caution letter.

Signature of Student \_\_\_\_\_ dated \_\_\_\_\_

**COUNTERSIGNED**

Date \_\_\_\_\_

\_\_\_\_\_  
Signature of Commandant/Dean/Principal  
(with stamp)



**BOND/UNDERTAKING FOR NUST PhD STUDENTS(LESS THAN SIX MONTHS OF DEGREE)**

1. I, Name of student (CMS ID) am studying in PhD program in discipline of (Name of discipline) at (Name of Institution). I was enrolled in the PhD program on (Date of admission), and my date of time-barred is (Date of time-barred). The case for thesis evaluation is yet to be forwarded to Main Office, NUST and my PhD degree duration has only **three months** left.

2. I undertake that:

In case of being time-barred during thesis evaluation or completing remaining degree requirements, I will be solely responsible for not completing degree requirements on time.

Signature of Scholar: - \_\_\_\_\_

Name: - \_\_\_\_\_ NIC # \_\_\_\_\_

Father's Name: - \_\_\_\_\_ Present & permanent Addresses: \_\_\_\_\_

\_\_\_\_\_

Telephone # Land line: \_\_\_\_\_ E-mail: \_\_\_\_\_

\_\_\_\_\_ Mobile: \_\_\_\_\_

**COUNTERSIGNED BY**

**COMDT/PRINCIPAL/DEAN/**

<b>SIX-MONTHLY PROGRESS REPORT</b> <b>STUDENT NAME + INSTITUTION + SEMESTER + NO. OF REPORT</b>		<b>PHD</b> <b>MC-ACAD</b>				
Reporting Period: <input type="checkbox"/> September to February <input type="checkbox"/> March to August	To be filled by student	Report No: <input type="text" value="From Qalam (e.g 1st, 2nd)"/>				
<b>STUDENT'S PARTICULARS</b>						
Name: <input type="text" value="From Qalam"/>	Email: <input type="text" value="From Qalam"/>					
Regn No.: <input type="text" value="From Qalam"/>	Mobile No.: <input type="text" value="From Qalam"/>					
Institute & Department: <input type="text" value="From Qalam"/>	PhD Admission Date: <input type="text" value="From Qalam"/>					
Degree Program: <input type="text" value="From Qalam"/>	Degree Completion Date (Maximum Allowed Duration): <input type="text" value="add 8 years from enrolment date"/>					
Scholarship Award: <input type="checkbox"/> ICT Endowment Fund <input type="checkbox"/> HEC Indigenous <input type="checkbox"/> NUST PhD Fellowship (NPF) <input type="checkbox"/> Others						
<b>Student GEC</b>						
	Name: <input type="text" value="From Qalam"/>	Institution/University: <input type="text" value="From Qalam"/>				
Supervisor	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
Co-Supervisor	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
Member 1	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
Member 2	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
Member 3	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
External Member	<input type="text" value="From Qalam"/>	<input type="text" value="From Qalam"/>				
Date of GEC Formation: <input type="text"/>		From Form-3A				
Date of Last GEC Meeting held: <input type="text"/>		Last From Form-3C				
<b>PHD COURSE WORK</b>						
S.No	Course Code	Course Title	Credits	Semester	Core/Elective /Additional	Grade
1	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
2	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
3	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
4	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
5	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
6	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
7	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
8	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>	<input type="text" value="From Qalam Transcript"/>		<input type="text" value="From Qalam Transcript"/>
<b>OVERALL PROGRESS in Phd PROGRAMME</b>						
Credit hours Completed in PhD: <input type="text"/>		From Qalam Transcript				
Overall CGPA in PhD: <input type="text"/>		From Qalam Transcript				
<b>PHD QUALIFIER</b>						
<input type="checkbox"/> Part A (Written)	Date of Exam Held: <input type="text"/>	From Qalam Transcript (PhD from 4)				
<input type="checkbox"/> Part B (Synopsis)	Date of Exam Held: <input type="text"/>	From Qalam Transcript (PhD from 5)				
<b>PHD RESEARCH WORK</b>						
Title of Thesis / Research: <input type="text"/>	To be filled by student		<b>Proposed Study Plan</b> (Timeline starting from Coursework till Thesis Defence)			
Progress of Research (During the Reporting Period)	To be filled by student (option to add more row may be available)		Milestone	Remarks (In Progress, Planned, Completed)	Completion or Planned Date	
			Course work completion	To be filled by student	To be filled by student	
			Qualifier Part A	To be filled by student	To be filled by student	
Tasks for Next Six Months	To be filled by student (option to add more row may be available)		Research Task 1 (Please mention task)	To be filled by student	To be filled by student	
			Research Task 2 (Please mention task)	To be filled by student	To be filled by student	
			Research Task 3 (Please mention task)	To be filled by student	To be filled by student	
Research Papers Published / Presented in Journals or Conferences	To be filled by student		Publications Completion	To be filled by student	To be filled by student	
			Thesis Writing / Evaluation (Please mention both)	To be filled by student	To be filled by student	
			Thesis Defence	To be filled by student	To be filled by student	
Research Progress (in %age): <input type="text"/>	To be filled by student	Publications Completed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Are you satisfied with the level of support from your supervisor? <input type="checkbox"/> Yes <input type="checkbox"/> No	If No, please explain on a separate page or send email to Acad Dir (dirc_pgs@nust.edu.pk)		Student's Signature: _____			
<b>PERFORMANCE EVALUATION</b>						
Supervisor's Comments about Student's Performance: <input type="text"/>	To be filled by Supervisor					
Performance Evaluation During the Reporting Period: <input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Satisfactory <input type="checkbox"/> Slow <input type="checkbox"/> Unsatisfactory	Supervisor's Signature: _____					
Note: Unsatisfactory performance in two consecutive reports will result in termination of the scholar (if recommended by FBS)						
Remarks By HoD: <input type="text"/>	To be filled by HoD					
Signature of HoD: _____						

**Annexure P (Engineering and Computer Science disciplines)**

## Engineering and Computer Science PhD Disciplines

S#	Program	Institutes
1	Electrical Engineering	CEME, MCS, SEECS, PNEC, CAE
2	Mechanical Engineering	CEME, SMME, PNEC, CAE
3	Software Engineering	CEME & MCS
4	Computer Engineering	CEME
5	Engineering Management	CEME
6	Mechatronics Engineering	CEME
7	Structural Engineering	SCEE, NIT
8	Transportation Engineering	NIT, SCEE
9	Environmental Engineering	SCEE
10	Environmental Science	SCEE
11	Geotechnical Engineering	NIT, SCEE
12	Urban and Regional Planning	SCEE
13	Remote Sensing & GIS	SCEE
14	Water Resources Engineering & Management	SCEE, MCE
15	Construction Engineering and Management	SCEE, MCE
16	Materials and Surface Engineering	SCME
17	Chemical Engineering	SCME
18	Nanoscience Engineering	SCME
19	Bioinformatics	SINES
20	Manufacturing Engineering and Management	PNEC
21	Mining Engineering	MCE
22	Design and Manufacturing Engineering	SMME
23	Robotics and Artificial Intelligence	SMME
24	Biomedical Engineering	SMME

25	Biomedical Sciences	SMME
26	Information Security	MCS & SEECs
27	Information Technology	SEECs
28	Computer Science	SEECs, NBC
29	Artificial Intelligence	SEECs
30	Energy System Engineering	USPCAS-E
31	Thermal Energy Engineering	USPCAS-E
32	Aerospace Engineering	CAE
33	Avionics Engineering	CAE
34	Computational Science and Engineering	SINES
35	Electrical Engineering (Power)	USPCAS-E
36	Civil Engineering	NBC
37	Climate Change and Sustainable Development	SINES



## Social Sciences and Natural Sciences PhD Disciplines

S#	Program	Institutes
1	Business Administration	NBS
2	Peace and Conflict studies	CIPS
3	Applied Biosciences	ASAB
4	Applied Mathematics	CEME
5	Mathematics	SNS, MCE
6	Physics	SNS
7	Statistics	SNS
8	Chemistry	SNS
9	Economics	S3H
10	Psychology	S3H



**BOND/UNDERTAKING FOR NUST PhD Fellowship (NPF) - PhDSCHOLARS**  
**(On Stamp paper worth Rs 100/-)**

1. I, Mr/Miss/Mrs. [ \_\_\_\_\_ ] son/daughter of [ \_\_\_\_\_ ] resident of [present and permanent address], do hereby undertake as under: -
2. At my request and for my benefits, approval for **NUST PhD Fellowship (NPF) with full Tuition Fee Waiver** has been accorded by NUST in my favour.
3. Now I, hereby undertake that
  - a. I will complete my PhD studies in the [discipline] with my full devotion and also make efforts to complete the said course within prescribed time without any failure
  - b. I am unemployed and will pursue my studies as full-time student (i.e. available at department during working hours in an ongoing semester).
  - c. In case of my employment during PhD studies, I will inform the institution and DASR accordingly.
  - d. In case of withdrawal (due to any reason) or employment, I will refund the amount of tuition fee incurred till that period in PKR.
  - e. In case of my withdrawal from PhD program due to any reason, my academic documents withheld by institution, shall only be returned back after necessary clearance from all stakeholders.
4. If I, fail to qualify the said course within the time prescribed by the NUST. I do hereby undertake to reimburse the tuition fee within a period of six months failing which the NUST will bear liberty to take Legal Action against me for recovery of amount of tuition fee as waived with a penalty at the rate of Rs 1000/- (Rupee one thousand only) per month till the final realization of tuition fee waived in toto.

Signature of Scholar: - \_\_\_\_\_

Name: - \_\_\_\_\_ NIC # \_\_\_\_\_

Father's Name: - \_\_\_\_\_ Present & Permanent Addresses: -  
 \_\_\_\_\_

Telephone # Land line: \_\_\_\_\_

E-mail: \_\_\_\_\_ Mobile: \_\_\_\_\_

**WITNESSES**

**Witness # 1 (also Guarantor)**

Signature: - \_\_\_\_\_

Name: - \_\_\_\_\_

Father's Name: - \_\_\_\_\_

NIC # \_\_\_\_\_

Present & Permanent Addresses: -  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone# \_\_\_\_\_

**Witness # 2**

Signature: - \_\_\_\_\_

Name: - \_\_\_\_\_

Father's Name: - \_\_\_\_\_

NIC # \_\_\_\_\_

Present & Permanent Addresses: -  
 \_\_\_\_\_  
 \_\_\_\_\_

Telephone # \_\_\_\_\_

**COUNTERSIGNED**

**BY PRINCIPAL/DEAN/COMDT**

**ATTESTED**

**BY NOTARY PUBLIC**



**LETTER OF GUARANTEE**  
**(Father, Mother, Wife or Brother/Guardian)**

**IN FAVOUR OF NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY, ISLAMABAD – PhD STUDENTS**

**(On Stamp paper worth Rs 100/-)**

I, **Mr/Miss/Mrs.** [ \_\_\_\_\_ ] son/daughter of [Name] resident of [Present and permanent address] do hereby guarantee and undertake as under: -

Whereas at the instance of NUST, my son/daughter/ward namely **Mr/Miss/Mrs.** [ Scholar's name] has been granted admission in NUST under **NUST PhD Fellowship (NPF) with full Tuition Fee Waiver** in [ Name of program/discipline and college/institute] in this respect my said son/daughter/ward **Mr/Miss/Mrs.** [ Scholar's name ] has also executed and signed an undertaking in favor of NUST to which I am a witness, the contents whereof I hereby duly acknowledge.

Now, being father/mother/guardian of my son/daughter/ward, and for the benefits of my said son/daughter/ward, I do hereby undertake and guarantee that if he/she, fails to qualify the said course within the time prescribed by the NUST or due to any other reason or upon violation of bond obligations. I do hereby undertake and guarantee to reimburse the tuition fee within a period of six months failing which the NUST will be at liberty to take Legal Action against him/her for recovery of total amount of tuition fee with a penalty at the rate of Rs 1000/- (Rupeeone thousand only) per month till the final realization of tuition fee waived in toto.

This letter of guarantee is being signed by me at my free will without any pressure/coercion on anybody's part (as the same is for the benefit of Mr. \_\_\_\_\_). This letter of guarantee will also constitute part and parcel of the agreement and undertaking executed and signed by Mr. \_\_\_\_.

I fully understand that NUST reserves the right to alter any term/condition without assigning any reason to the awardee or guarantor due to which, I will sign fresh letter of guarantee with NUST.

**Signature of Guarantor: -**

Name: - \_\_\_\_\_

Father's Name: - \_\_\_\_\_

NIC # \_\_\_\_\_

Present & Permanent Addresses: - \_\_\_\_\_ Telephone # \_\_\_\_\_

<b><u>Witness # 1</u></b>	<b><u>Witness # 2</u></b>
Signature: - _____ Name: - _____	Signature: - _____ _____ Name: - _____
Father's Name: - _____	Father's Name: - _____
NIC # _____	NIC # _____
Present & Permanent Addresses: - _____ _____	Present & Permanent Addresses: - _____ _____
Telephone # _____	Telephone # _____



<b>Criteria</b>	<b>Unsatisfactory (1)</b>	<b>Needs Improvement (2)</b>	<b>Satisfactory (3)</b>	<b>Good (4)</b>	<b>Excellent (5)</b>
<b>Commitment to completing PhD</b>	Candidate appears uninterested in completing a PhD or is unsure about their commitment	Candidate expresses some interest in completing a PhD but does not seem fully committed	Candidate appears committed to completing a PhD	Candidate demonstrates a strong commitment to completing a PhD and has a clear plan to achieve their goals	Candidate shows exceptional commitment to completing a PhD and has a compelling plan for their research
<b>Attitude towards PhD</b>	Candidate exhibits a negative attitude towards PhD studies or research	Candidate is neutral or has some reservations towards PhD studies or research	Candidate has a positive attitude towards PhD studies or research	Candidate is enthusiastic and optimistic about PhD studies or research	Candidate has a passionate and proactive attitude towards PhD studies or research
<b>Knowledge base</b>	Candidate demonstrates limited knowledge of their field and/or lacks a comprehensive understanding of their research area	Candidate has some knowledge of their field and/or demonstrates some understanding of their research area	Candidate displays a good understanding of their field and/or research area	Candidate has a deep understanding of their field and/or research area and shows potential for significant contributions	Candidate displays exceptional knowledge of their field and/or research area and is poised to make significant contributions
<b>Communication skills</b>	Candidate has poor communication skills, struggles to articulate their ideas, and/or does not actively listen to questions	Candidate has some communication skills, but may struggle to clearly and effectively convey their ideas and/or actively listen to questions	Candidate communicates effectively and listens attentively to questions	Candidate demonstrates excellent communication skills, conveying complex ideas effectively and actively engaging with questions	Candidate exhibits exceptional communication skills, inspiring and engaging with their ideas and actively seeking feedback
<b>Potential of contributions to science &amp; community</b>	Candidate is unsuitable	Candidate presents limited potential for original contributions	Candidate presents a potential for significant contributions	Candidate presents potential for groundbreaking contributions	Candidate presents potential for groundbreaking contributions, and is highly feasible

## Stipend Requisition form for NUST PhD Fellowship

Annex U

For Semester/month: \_\_\_\_\_

### Awardee Detail

Name: \_\_\_\_\_ Regn No: \_\_\_\_\_

Discipline and Institution: \_\_\_\_\_ **For Main Office use only** Date of Admission \_\_\_\_\_

### Stipend claimed in lieu of duties performed:

S #	Nature of Duty (TA, Lab Eng, TVF, Tutor etc.)	CGPA of Scholar	Duty Performed			To be filled by faculty in-charge			
			Place of Duty (Institution, Dte etc.)	No. of Credit hours per week	Faculty In-charge (Name)	Progress (Poor, Satisfactory, Good, Excellent)	Rate	Amount (Rs)	Signature
<b>Previous Progress</b>									
<b>Total</b>									

	Student is NUST PhD fellowship awardee and above details are correct. Yes                      No	Above mentioned rates are as per policy and amount is correct.	Recommended / Not Recommended
<b>Signatures of Student</b>	Stamp & Signatures <b>HoD</b>	Stamp & Signatures <b>Account Officer</b>	Stamp & Signatures <b>Head of Institution</b>

**1. HR Dte**  
 Recommended / Not Recommended  
 Date: \_\_\_\_\_  
\_\_\_\_\_  
 (Signature with Stamp)

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**2. Finance Dte**  
 Recommended for release of payment amounting to Rs. \_\_\_\_\_ / Not Recommended  
 Date: \_\_\_\_\_  
\_\_\_\_\_  
 (Signature with Stamp)

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**3. Audit Dte**  
 Recommended / Not Recommended  
 Date: \_\_\_\_\_  
\_\_\_\_\_  
 (Signature with Stamp)

---

**4. Pro-Rector (Academics)**  
 Approved/Not Approved  
 Date: \_\_\_\_\_  
\_\_\_\_\_  
 (Signature with Stamp)

**Fin Dte**  
 For release of Payment

ION

&lt; &gt;

## NUST Disciplines

Director Academics & Dean ASR Dr Adnan Maqsood (Academics Dte)

Academics Dte (NUST Main Office) - Tuesday, 3 September, 2024 17:02 / 1672988

### External Reference:

#### References:

#### Attachments:

Annex\_A.pdf

Annex\_B.pdf

Annex\_C.pdf

**Reference:** Acad Dte e-Min Sheet no 123276 dated 29 August 2024 (Annex C).

1. National University of Sciences and Technology (NUST), has been consistently ranked among the top universities in Asia and Globally, highlighting its excellence in teaching, research, and societal contributions. Over the years, NUST has evolved into a comprehensive university, offering a diverse array of undergraduate, graduate, and doctoral programs across various disciplines including Engineering, IT, Business, Social Sciences, Natural Sciences, Arts & Humanities, Law, Medicine, Biotechnology etc. NUST has always adhered to the best international practices, hence **there was a need to align our disciplines with nationally and internationally recognized ranking/regulatory organizations such as HEC, QS, THE, and ARWU Shanghai.**
2. Above in view, Acad Dte carried out a study, while analyzing the categorization of disciplines by a few national and international universities as well as the ranking organizations, as mentioned above. Consequently, **07 disciplines** were finalized (listed in **Annex-A**).
3. Furthermore, all NUST UG & PG Degree Programs have also been mapped to NUST disciplines considering the knowledge area and the syllabus that is covered in the courses offered in particular program (attached as **Annex-B**)
4. It is intimated that the Competent Authority (Rector) has accorded the approval of Annex-A and Annex-B vide e-minute sheet No. 123276 (attached as **Annex-C**). Hence, M&C Dte and QA&NIO Dte are requested to reflect, as per the requirement, the approved NUST disciplines (Annex-A) in all future correspondence, presentations, marketing, or any other referencing.
5. Forwarded for information and further necessary action, please.

Ser	Title	Institutes	Disciplines
1.	PhD Electrical Engineering	CoEME, SEECS, MCS, PNEC, CAE	Engineering & Technology
2.	PhD Mechanical Engineering	CoEME, SMME, PNEC, CAE	"
3.	PhD Construction Engineering and Management	SCEE, MCE	"
4.	PhD Geotechnical Engineering	SCEE, MCE, NIT	"
5.	PhD Software Engineering	MCS, CoEME	"
6.	PhD Structural Engineering	SCEE, MCE, NIT	"
7.	PhD Computer Engineering	CoEME	"
8.	PhD Mechatronics Engineering	"	"
9.	PhD Aerospace Engineering	CAE	"
10.	PhD Avionics Engineering	"	"
11.	PhD Manufacturing Engineering and Management	PNEC	"
12.	PhD Urban and Regional Planning	SCEE	"
13.	PhD Environmental Engineering	"	"
14.	PhD Remote Sensing and GIS	"	"
15.	PhD Water Resources Engineering and Management ( <b>Degree title changed to PhD Water Resources and Hydropower Engineering for which NoC is Awaited</b> )	SCEE, MCE	"
16.	PhD Materials and Surface Engineering	SCME	"
17.	PhD Chemical Engineering	"	"
18.	PhD Nanoscience and Engineering	"	"
19.	PhD Design and Manufacturing Engineering	SMME	"
20.	PhD Robotics and Artificial Intelligence Engineering	"	"
21.	PhD Biomedical Engineering	"	"
22.	PhD Computational Science and Engineering	SINES	"
23.	PhD Energy Systems Engineering	USPCAS-E	"
24.	PhD Thermal Energy Engineering	"	"
25.	PhD Electrical Engineering (Power) ( <b>Degree title changed to PhD Electrical Power Engineering for which NoC Awaited</b> )	"	"
26.	PhD Mining Engineering ( <b>NoC Awaited for NBC</b> )	MCE, NBC	"
27.	PhD Transportation Engineering	MCE, NIT, SCEE	"
28.	PhD Civil Engineering	NBC	"
29.	PhD Computer Science	SEECS, MCS, NBC	Computing & Information Technology
30.	PhD Information Security	MCS, SEECS	"
31.	PhD Information Technology	SEECS	"
32.	PhD Artificial Intelligence	"	"
33.	PhD AI and Autonomous Systems ( <b>NoC Awaited</b> )	"	"
34.	PhD Bioinformatics	SINES	"
35.	PhD Mathematics	SNS, MCE	Natural Sciences
36.	PhD Physics	SNS	"

<b>Ser</b>	<b>Title</b>	<b>Institutes</b>	<b>Disciplines</b>
37.	PhD Chemistry	"	"
38.	PhD Statistics	"	"
39.	PhD Applied Mathematics	CoEME	"
40.	PhD Climate Change and Sustainable Development	SINES	Social Sciences
41.	PhD Peace and Conflict Studies	CIPS	"
42.	PhD International Relations <b>(NoC Awaited)</b>	"	"
43.	PhD Psychology	S <sup>3</sup> H	"
44.	PhD Development Studies <b>(NoC Awaited)</b>	"	"
45.	PhD Economics	"	Business & Management
46.	PhD Business Administration	NBS	"
47.	PhD Engineering Management	CoEME	"
48.	PhD Applied Biosciences	ASAB	Life Sciences & Medicine
49.	PhD Biomedical Sciences	SMME	"
50.	PhD Environmental Science	SCEE	"
51.	FCPS in the subject of Anatomy <b>(NoC Awaited)</b>	NSHS	"
52.	FCPS in the subject of Physiology <b>(NoC Awaited)</b>	"	"
53.	FCPS in the subject of Pharmacology and Therapeutics <b>(NoC Awaited)</b>	"	"
54.	FCPS in the subject of Chemical Pathology <b>(NoC Awaited)</b>	"	"