

Ph.D. Regulations

for

The Degree of

Doctor of Philosophy (Ph.D.)

Programme



बिहार अभियंत्रण विश्वविद्यालय, पटना

Bihar Engineering University, Patna

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VISION

To provide and upgrade the knowledge of Applied Science, Engineering & Technology, Architecture & Planning and Management as well as research in the fields of technical education; to create entrepreneurship in an encouraging environment to pursue the technical education in close co-operation with industries; and to develop an environment for the advancement of quality of life of the mankind in general and in relation to the domain of engineering and technological development and applications.

MISSION

- To develop flexible and innovative academic programmes to cater the need of students with different background, and prepare them to compete at the national and international levels.
- To emphasise knowledge creation through a well-planned research programme in emerging areas, and application of knowledge by undertaking issues and problems from the industry.
- To emphasise the overall development of a well-rounded personality of its students with both professional and emotional maturity to take up the challenges in their chosen profession, and to contribute to the development of society.

OBJECTIVES

- To create University and centres of excellence for imparting State-of-the-art education, training and research in the fields of Engineering and Technology as well as Architecture and Planning, Management;
- To create capabilities for the development of knowledge, skill, and competency at various levels.
- To create capabilities for upgrading the infrastructure of global standards for education, training, and research in the areas related to Engineering and Technology, Architecture and Planning, Management, and Science.
- To develop patterns of teaching and training at various levels of educational accomplishments so as to set high standards of education in Science, Engineering and Technology, Architecture and Planning, and Management.
- To function as a leading resource centre for knowledge management and entrepreneurship development in the areas of Science, Engineering and Technology, Architecture and Planning, and Management.
- To provide inter-relationship for national and global participation in the fields of Science, Engineering and Technology, Architecture and Planning, and Management.
- To establish close linkages with industry to make teaching, training, and research at the University relevant to the needs of the industry at national and global levels.
- To make such provisions as would enable affiliated colleges to undertake specialization of studies.

Note:

All admissions and subsequent registrations, course work and conferment of Degree shall be guided by Ph.D. Regulations 2024. Ph.D. Regulations 2024 will be effective for all the students in the Ph.D. programme. If any discrepancy arises due to the implementation of this Regulation, BEU Patna is authorized to resolve the case(s) based on their merit(s).

Content

S.N.	Particulars	Page
1.	Introduction.....	1
2.	Admission.....	1
3.	Financial Assistance.....	5
4.	Academic Requirements.....	6
5.	Semester Registration and Progress Seminar/ Research Seminar.....	11
6.	Attendance and Leave Rules.....	11
7.	Permission to Proceed for Academic Work Outside BEU, Patna.....	12
8.	Conversion from Full-Time to Part-Time.....	12
9.	Migration form Other University to BEU Patna.....	13
10.	Pre – Submission Seminar.....	14
11.	Thesis Submission and Thesis Examination.....	15
12.	Award of Ph.D. Degree.....	18
13.	Depository with INFLIBNET.....	18
14.	Removal of Difficulties.....	18

Appendices

S.N.	Particulars	Page
Appendix–A	: Admission Committee.....	20
Appendix–B	: Departmental Research Committee (DRC).....	21
Appendix–C	: Research Advisory Committee (RAC).....	22
Appendix–D	Rules Regarding Conduct and Discipline.....	23
Appendix–E	: Thesis Submission for Evaluation Guidelines.....	24
Form E1	: Undertaking to be submitted by Ph.D. Scholar Claiming Full-Time Research Assistantship/ Scholarship.....	27
Form E2	: Choice of Ph.D. Supervisor.....	28
Form E3	: Request for Change of Research Supervisor or Inclusion of Co-Supervisor.....	29
Form E4	: Course Work Registration Form [Ph.D.].....	30
Form E5	: List of Publications Based on Ph.D. Research Work.....	31
Form E6	: Semester Progress Application and Research Seminar Report..	32
Form E7	: Plagiarism Report of Final Thesis.....	34
Form E8	: Report of the Ph.D. Thesis Examiner.....	35
Form E9	: Report of Final Viva-Voce Examination Board.....	36
Form E10	: Application Form for Enhancement of Scholarship.....	37
Form E11	: List of Examiners.....	38

1. Introduction

Bihar Engineering University (BEU), Patna, was established by an act of legislature of the Government of Bihar under the Bihar Engineering University Act (No: 20, 2021). The prime objectives of the university will be imparting state-of-the-art education, training and research in the fields of Engineering and Technology as well as Management.

The University offers four-year B.Tech, five-year B.Arch degree program and M. Tech. programs of two years duration in various courses. The Ph.D. programme of BEU, Patna is aimed to enhance sound theoretical and experimental background in frontier areas of research in engineering, sciences and interdisciplinary subjects, to create capabilities for upgrading the infrastructure of global standards for education, training in the areas related to Engineering and Technology, Management, and Science to cater for the needs of academia and the industry at national and global levels.

In view of these objectives, the Ph.D. programme is designed to contain coursework, seminars, and projects/thesis that allow students to grow their intellectual and creative abilities while emphasizing a practical approach.

The rules and procedures stated in this regulation (Ph.D. Regulations – 2024) shall govern the Ph.D. programme of the University for the students admitted in the 2024 – 25 session and onwards.

1.1 Doctor of Philosophy (Ph. D) Programme

The Program leading to the Doctor of Philosophy (Ph.D.) degree is offered in the field of Science, Engineering and Technology, Architecture and Planning, Management and allied areas under Full-Time/ Part-Time programme. The discipline and number of seats for any programme shall be decided by the BEU, Patna from time – to – time.

2. Admission

Admission to the Doctoral Degree Programme shall be through open advertisement as per the admission procedure.

Following are eligible to join the Ph.D. Programme of BEU, Patna.

- Faculty/ Staff either regular or appointed on consolidated salary under DSTTE, Bihar,
- Regular Faculty/Staff of Engineering Colleges/ Institutions affiliated to BEU, Patna,
- Regular Faculty/Staff of other academic Institutions/Universities and
- Scientists of Research Organizations/ Industries of repute

Part-Time Ph.D. Candidates are exempted from screening/ written tests. However, they are required to appear in the selection interview. The applicants must apply for admission in prescribed forms.

The Ph.D. programme will be offered in the following categories

- (a) **Full-Time Ph.D. Programme:** With Fellowship funded by BEU, Patna.
- (b) **Part-Time Ph.D. Programme:** Following
- Faculty/ Staff either regular or appointed on consolidated salary under DSTTE, Bihar,
 - Regular Faculty/Staff of Engineering Colleges/ Institutions affiliated to BEU, Patna,
 - Regular Faculty/Staff of other academic Institutions/Universities and
 - Scientists of Research Organizations/ Industries of repute can be admitted to Ph.D. programme as a part-time candidate to the doctoral programme against supernumerary seat provided,
 - they fulfill minimum eligibility of qualification
 - they get No-objection Certificate (NOC) from the concerned department at the time of admission. They will also be required to attend normal duties assigned to them and attend classes to complete the coursework requirements.
- (c) **Sponsored Ph.D. Programme:** Persons who are in service in any of the following establishments and possess the minimum prescribed qualification (as mentioned in 2.1) shall be eligible for admission to the Ph.D. programme as sponsored scholars.
- (i) Defense or other ministries of the Government of India or any other government organizations.
 - (ii) Established research and development organizations and industries.
 - (iii) Autonomous bodies and public undertakings.
 - (iv) Universities/ Autonomous institutions/ colleges

Admission Committee constituted as per *Appendix – A* will decide the modalities of admission in odd / even semester.

2.1 Eligibility of Admission

Candidates with the following relevant and related qualifications shall be eligible for admission to the Ph.D. Programme of BEU, Patna.

- (a) M. Tech./ M.E./M. Sc./ equivalent degree in a relevant and related discipline, with at least 6.5 CGPA (in the scale of 10) or 60 percent marks in aggregate from a recognized technical institute or university.
- (b) The minimum CGPA/ marks percentage shall be relaxed by 0.5 CGPA or 5 percent in case of candidates belonging to the SC/ST/ Differently Abled categories.
- (c) For Engineering: - Full-Time Ph.D. candidates are required to produce a proof of having qualified GATE score at the time of submission of application form. The candidate must have completed M.Tech degree with a valid GATE score. However, M.Tech degree without

GATE score must submit the valid GATE score at the time of submission of application form.

For Science: Valid NET Score is required.

- (d) A successful candidate has to take admission (enrollment) in the University as per the schedule after paying prescribed fees as per guidelines.

Chairman, DRC (*Appendix - B*) will make sure that all the relevant records/documents in separate files for each candidate are being maintained (from admission to award of degree).

2.1.1 Rules for Enrolment under Part-Time Ph.D. Programme

- Faculty/ Staff either regular or appointed on consolidated salary under DSTTE, Bihar,
 - Regular Faculty/Staff of Engineering Colleges/ Institutions affiliated to BEU, Patna,
 - Regular Faculty/Staff of other academic Institutions/Universities and
 - Scientists of Research Organizations/ Industries of repute
- may be permitted to join the Ph.D. Programme of BEU, Patna.

Note: They must produce NOC from the respective competent authority, at the time of admission.

- All common rules laid down in the Ph.D. regulations related to coursework and research work shall be applicable.
- The Part-Time candidates are exempted from the requirement of having GATE score.

2.1.2 Rules for Enrolment under Sponsored Ph.D. Programme

- (a) An intending sponsored candidate must submit his application in the prescribed form for admission through his employer, who will forward the same to BEU, Patna with suitable endorsement so as to reach the University by the date stipulated in the notification for admission in that semester of the academic session.
- (b) A sponsored candidate selected for admission shall be required to be present in person at the time of joining the Ph.D. programme.
- (c) To submit evidence of having passed the qualifying examination (as mentioned in 2.1) and such other documents as the University may require.
- (d) The sponsored candidates are exempted from the requirement of having GATE score.
- (e) To produce a certificate from the employer to the effect that –
- The candidate has been officially released from his duties for the purpose of joining the Programme and has been granted leave for the required period, i.e., NOC from the current employer.
 - The services of the candidate shall be retained by the employers.
 - The candidate shall produce a release certificate from his/her employer at the time of

admission.

Sponsored research candidates shall not be eligible for any scholarship.

2.2 Reservation of Seats

The reservation of seats for admission to the university programme will be as per the rules of the Government of Bihar.

2.3 Admission Procedure

- (i) Admission to the Ph.D. programme shall be made by the university based on the minimum eligibility criteria for the programme and selection after evaluation of the candidate in a written Test and/ or selection interview conducted by the admission committee. The candidates applied for Part-Time/sponsored Ph.D. programme may be exempted from screening/ written tests.
- (ii) The written test question paper may have multiple choice questions and/or subjective type questions. The cutoff marks for screening of candidates cannot be less than 40% full marks for the written test.
- (iii) In the interview minimum qualifying marks should be 40% of the interview marks.
- (iv) 5% relaxation in overall marks (i.e., written + interview) will be given to the candidate belonging to SC/ST/Differently Abled categories.

2.4 Cancellation of Admission

Scholars admitted to the Ph.D. programme under any of the categories shall conduct themselves within and outside the premises of the University in a manner befitting the scholars of BEU Patna.

- (a) In case of involvement in an act of indiscipline within or outside the University, the admission of the candidate may be cancelled after giving the opportunity of hearing before the disciplinary committee of the University.
- (b) Any candidate may request for withdrawal from the University after admission or after joining but before the completion of the Pre-Registration Seminar. But in all cases, the candidate is required to inform the Dean (Engg. & Tech) through the RAC (*Appendix C*) and submit reasons/ justification before granting such permission.
- (c) In case of unsatisfactory performance of any candidate at any stage of the programme, his/ her registration from the programme may be cancelled as detailed under different sections and at different stages of evaluation under the regulation. (Detailed rules regarding conduct and discipline are given in *Appendix – D*)
- (d) If any candidate continues to remain absent or not doing semester registration for two consecutive semesters, then it will be assumed that the candidate has no interest in the

programme, and his/ her candidature shall be deemed cancelled without any notice.

- (e) If the candidate fails to clear the coursework within the time limit, RAC and DRC may review the candidate's performance and recommend an extension of at most one year. If he/she fails to clear during this duration, his/her registration may be cancelled.
- (f) In case of unsatisfactory progress of any candidate for two consecutive semesters, the candidature may be cancelled. RAC is required to refer all such case(s) for cancellation of admission from the programme to DRC. The DRC will place all such case(s) to the Vice-Chancellor, BEU through the Registrar, BEU for direction and approval.

2.5 Fees and Other Charges

- (i) As prescribed by the University.
- (ii) For the purpose of tuition fees, the year shall be counted from the date of joining the Research Scholar, except that the fees shall be charged from the first day of the month irrespective of the actual date of joining. Similarly, at the time of leaving the University, the tuition fees shall be charged for the full month, irrespective of the actual date of leaving.

3. Financial Assistance

Scholarship / Research Fellowship / Teaching Assistantship will be available to eligible candidates who are GATE qualified according to UGC/AICTE norms (amended time-to-time). The period and amount of Scholarship/ research fellowship/Teaching Assistantship shall be as per notification of the competent authority from time to time.

Selected candidate is required to execute an undertaking/ agreement bond mentioning that they will refund the Fellowship received from the University in the case of leaving the programme without the completion, irrespective of the reason at his/her end on the prescribed format.

3.1 Disbursement of Scholarship

The candidate has to submit an undertaking claiming Full-Time research assistantship/ scholarship (Form E1). The disbursement of Scholarship/ Research Fellowship/ Teaching Assistantship to a candidate in each month will be based on his/ her required attendance, recommendation and confirmation of the respective supervisor duly signed by respective HoD and Principal. University Scholarship / Research Fellowship /Teaching Assistantship to any candidate is linked with satisfactory academic progress and is liable to be received for a maximum period of 5 years.

- A candidate has to submit a request for enhancement of scholarship / Research fellowship / Teaching Assistantship at the end of successful completion of the second year and having minimum one publication SCI/SCIE in the prescribed format only (as given in Form E10). The effective date of enhancement will be the date of recommendation of the respective

RAC.

- The scholarships from any other agency/organization are governed by rules and regulations of the funding agency only, and candidates shall be governed by their rules only.
- An extension up to a maximum period of three months for submitting the required documents may be given by the competent authority at the time of admission, but no scholarship will be given till the candidates produce proof of qualifying degree. Once the candidate produces proof of qualifying degree, he/she may be given an arrear of scholarship for this period on the recommendation of the RAC.

Note: No one shall accept or hold any appointment, paid or otherwise or receive any emoluments, salary, stipend, etc., from any other source during the tenure of the award. However, they may receive an honorarium against specific work done for projects (mainly consultancy) from time to time with the prior permission of the DRC.

3.2 Refund Rules

The candidate will have to refund the entire stipend/scholarship/assistantship received from the University, on the recommendation of DRC, if he/ she wants to discontinue his/her Ph.D. programme.

3.3 Termination of Scholarship

The scholarship of a Ph.D. scholar may be terminated by the DRC on exceptional grounds as detailed below:

- (a) After conversion from full-time to part-time.
- (b) Recommendation of the University's Disciplinary Committee.
- (c) Failure to do semester registration.
- (d) Failure to complete coursework or semester registration within two years from the date of enrollment.
- (e) Poor progress as noted by RAC. Such a decision may be implemented only after approval of the DRC.
- (f) Prolonged absence (exceeding six months) without sanctioned leave or withdrawal.

4. Academic Requirements

The University awards the Doctor of Philosophy Degree based on the satisfactory academic performance of the registered candidate during his/ her stay in the programme. The candidate must have completed the following requirements:

- (i) Prescribed course work
- (ii) Pre-registration seminar
- (iii) Required Research Publications

- (iv) Pre-Ph.D. Submission Seminar
- (v) Thesis submission by the candidate and
- (vi) Successful defense of viva voce.

4.1 Minimum Residence, Maximum Duration

- (a) A candidate has to devote a minimum of three (3) years, including the period for course work and research, to submit his/ her research work for final evaluation. The period will be counted from the date of admission to the University programme.
- (b) The duration of a candidate for the Ph.D. programme shall be effective from the date of admission and shall remain valid for five years for full-time and six (6) years for part-time.
- (c) RAC will recommend any extension beyond the scheduled time limits for coursework, pre-registration, and pre-submission seminars. The DRC may approve a maximum extension of one (1) year in such case(s). However, such an extension will not affect the maximum allotted time limit, i.e., five years for full-time and six years for part-time candidates.
- (d) If a candidate has completed (exhausted) the maximum time limit for submission of the research work i.e., Five years for Full-time and Six years for Part-time candidates, any request for extension (based on recommendations of the RAC) shall be placed before DRC for approval for extension for maximum two (2) year. RAC may recommend the extension in the University with complete justification (with supporting documents) for discussion and direction. The decision of the Vice-Chancellor shall be final and binding on the candidate.

In such case, the total time for the Doctoral Programme shall be limited to seven years for Full-Time and eight years for Part-Time candidates from the date of admission.

- (e) Provided further that, female Ph.D. scholars and Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of two (2) years; however, the total period for completion of a Ph.D. programme in such cases should not exceed ten (10) years from the date of admission in the Ph.D. programme.
- (f) Any such extension will not entitle the candidate to a scholarship / Teaching Assistantship. Duration and other terms and conditions for scholarship / Teaching Assistantship will be bound by the University notification from time - to - time.
- (g) If any candidate fails to submit his / her final Ph.D. thesis, even after an extension allowed by the Vice Chancellor, no further extension shall be allowed. However, all such candidates may be permitted to re-admission and re-register for the program and be considered new admissions.

4.2 Course Work

Every candidate admitted under Full–Time/ Part–Time/ Sponsored Ph.D. programme must register (Form E4) and complete the course work in the prescribed period with minimum credit as given in Table 1 as advised by the Supervisor / approved by the RAC. Research candidates shall have to pass course work successfully within the time limit. Research candidates must earn a minimum CGPA of 5.0 in course work to continue as a research scholar. After completing his coursework, a candidate must appear for the Pre-Registration Seminar.

Table 1. Course requirement

Candidates having	Minimum credit through course work	Time Limit Minimum/Maximum
M. Tech/ M.E. / M. Sc. / equivalent degree	Minimum 18 credits	Minimum: 1 semester (6 months) Maximum: 2 semesters (1 Year)

Table 2. Mandatory Courses (1st Semester)

S.N.	Course Code	Course Title	L-T-P	Credits
(a)	500101	Research and Publication Ethics	2-0-0	2
(b)	500102	Research Methodology	3-0-0	3
(c)	500103	Intellectual Property Rights	3-0-0	3
(d)	500104	Indian Knowledge System	3-0-0	3
(e)	500105	Thesis and Report Writing	0-0-2	1
Total				12

4.2.1 Departmental Courses:

In the second semester the candidate has to complete at least two courses of his/ her research domain of 3 credit each as suggested by respective RAC. The subjects may be completed either from theory courses of existing M.Tech / Ph. D courses or NPTEL (proctored exam) of PG Category.

4.2.2 Coursework outside the University:

Course work may be done at other University/Institute and the credits earned by the candidate will be considered by the University.

4.2.3 Duration of the Programme:

The duration of the PhD programme as per UGC PhD Regulation.

4.3 Allocation of Supervisor

Eligibility criteria to be a Research Supervisor, Co-Supervisor, Number of Ph.D. scholars permissible per supervisor, etc.

- (a) Permanent faculty members working as Professor/Associate Professor with a Ph.D., and at least five research publications in peer-reviewed or refereed journals and permanent faculty members working as Assistant Professors with a Ph.D., and at least three research publications in peer-reviewed or refereed journals may be recognized as a Research Supervisor. Such recognized research supervisors cannot supervise research scholars in other institutions, where they can only act as co-supervisors. Ph.D. awarded by a university under the supervision of a faculty member who is not an employee of the university or its affiliated Colleges/institutes would be in violation of these Regulations.

An employee working in Central government/ State government research institutions, the scientists in such research institutions who are equivalent to Professor/Associate Professor/Assistant Professor can be recognized as Co-supervisors for Ph.D. scholars, if they fulfill the above requirements.

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

Co-Supervisors from within the same department or other departments of the same institution or other institutions may be permitted with the approval of the competent authority.

Adjunct Faculty members shall not act as Research Supervisors and can only act as co-supervisors.

- (b) In case of interdisciplinary/multidisciplinary research work, if required, a Co-supervisor from outside the Department/School/Centre/College/University may be appointed.
- (c) An eligible Professor/Associate Professor/Assistant Professor can guide up to eight (8) / six (6) / four (4) Ph.D. scholars, respectively, at any given time.
- (d) In case of relocation of a female Ph.D. scholar due to marriage or otherwise, the research data shall be allowed to be transferred to the university to which the scholar intends to relocate, provided all the other conditions in these Regulations are followed, and the research work does not pertain to a project sanctioned to the parent Institution/Supervisor by any funding agency. Such scholar shall, however, give due credit to the parent institution and the supervisor for the part of research already undertaken.
- (e) Faculty members with less than three years of service before superannuation shall not be

allowed to take new research scholars under their supervision. However, such faculty members can continue to supervise Ph.D. scholars who are already registered until superannuation and as a co-supervisor after superannuation, but not after attaining the age of 70 years.

- (f) For cases where the supervisor proceeds on long leave for more than or equal to one semester, then DRC may appoint caretaker to carry out all administrative work.
- (g) For cases where a faculty joins new organization/Institute, he / she may be allowed to continue as sole supervisor, as per the recommendation of the DRC, if the thesis is submitted within six months from the date of leaving, otherwise a new supervisor will be appointed by the DRC.
- (h) All candidates for the Ph.D. degree are required to carry out his/ her research work under the guidance of a supervisor appointed by BEU, Patna. The candidate may write his/her choice of Ph.D. supervisor in the prescribed format (Form E2). However, for certain candidates, DRC may propose co-supervisor.
- (i) If required, the request of the Ph.D. student for changing the supervisor or inclusion of Co-supervisor may be considered and application should be submitted in the required format (Form E3). The DRC may recommend for change of supervisor or inclusion of co-supervisor based on merit.

4.4 Pre- Registration Seminar

A candidate must submit his / her request to RAC to conduct a pre-registration seminar in consultation with the supervisor. The candidate will present the Pre-Registration Seminar before the RAC. During the Pre-Registration Seminar presentation, along with other internal members of RAC, the external expert member of RAC must be present.

If an external member is not present/available, then the RAC will request one expert from another University/Organization of repute.

The RAC, based on the performance of the candidate in the pre-registration seminar, will make one of the following recommendations

- **Satisfactory (S):** The candidate can get registered for the Ph.D. programme.
- **Not Satisfactory (NS):** The candidate has to re-submit the research plan and should give the seminar once again, keeping in view the suggestions of the RAC within 3 months.

The recommendations of the RAC will be placed to the DRC for approval and further notification.

4.5 Registration to the Programme

After successful completion of the Pre-Registration Seminar, the candidate's registration in the

Ph.D programme is confirmed from the date of admission to the programme, which is to be notified by the Registrar, BEU.

Ph.D. registration means the candidate(s) registration after successfully completing the pre-registration seminar, on the recommendation of the DRC, to continue research on a topic.

5. Semester Registration and Progress Seminar/ Research Seminar

- (i) Every registered candidate will have to carry out registration in each semester of their Ph.D. programme along with requisite fees as per academic calendar till the submission of the thesis.
- (ii) All students shall have to present Progress Seminar at the end of each semester before RAC in order to enable them for registration for next semester.
- (iii) Progress seminar shall be conducted. In case of unsatisfactory performance, RAC will issue a warning letter to the student with a copy to DRC. However, he/she may be allowed to register in next semester. In case of TWO consecutive unsatisfactory reports, case will be forwarded to DRC through RAC. The decision of DRC will be forwarded to the Vice-Chancellor through the Registrar, BEU for final decision.
- (iv) If permitted, then only he/she will be allowed to do registration in next semester. If any candidate is awarded consecutively two times not satisfactory (NS) remarks in the Progress Seminar, then the university may consider withholding his/ her scholarship/ stipend for that period till he/ she improves.
- (v) Details of progress are to be submitted to DRC with a copy to Registrar office in prescribed format (Form E6).
- (vi) The performance of the candidate in the Progress Seminar will be evaluated out of 16 credits per semester.

6. Attendance and Leave Rules

6.1 Attendance Requirements

The record of attendance and leave shall be maintained by the department/centre for each candidate and made available to RAC/ DRC as and when required, along with the candidate's annual progress report.

6.2 Leave Rules

The Ph.D. candidates shall not be entitled to semester break or summer and winter vacations. A Full-Time/ sponsored Research Scholar may be permitted to be on leave from the Department/ College for a limited number of days per year of stay, as below.

- (a) For incidental purposes, CASUAL LEAVE - 12 days.
- (b) For treatment of illness, MEDICAL LEAVE - 15 days.

- Any Casual Leave may be subject to the approval of the Supervisor.
- Any Medical Leave will be granted by the Supervisor as per the university norms, and any leave not availed of in a calendar year shall not accumulate.
- In case of extensive fieldwork, data collection, library consultation, experimentation, etc., absence from the University may be allowed up to a period of 12 weeks per year and be considered on duty based on the certificate of the Supervisor and approval of the DRC with the recommendation of RAC.
- However, Part-Time Ph.D. candidates, the leave rules will be governed by their respective employer, such as, for faculties/staff under DSTTE Bihar and BEU, Patna, enrolled in the Ph.D. programme, the leaves will be approved as per DSTTE, Bihar and BEU, Patna norms, respectively.

7. Permission to Proceed for Academic Work Outside BEU, Patna

- (a) A candidate may be allowed to work outside the University, partially or entirely, at an R&D Organization, Educational Institution or Government Organization having adequate research facilities, subject to his/her fulfilling all conditions if the DRC is satisfied with the availability of research facilities and fulfilment of the requirements. The candidate has to submit a request letter to RAC through his/her supervisor. Such permission is to be obtained in advance from the Vice-Chancellor, BEU Patna. However, the coursework has to be completed at BEU Patna.
- (b) If the research fellow wishes to relinquish fellowship during the tenure, then it should be done with the prior approval of the University. He/she should also obtain prior permission from the University to appear at any examination conducted by any Institution, University or Public Body.

8. Conversion from Full–Time to Part–Time

The University discourages any conversion of candidature from full–time to part–time under the programme. However, a doctoral degree candidate, after admission, may request for conversion from Full-Time to Part-Time subject to approval/recommendation of RAC/DRC and final approval of the BEU if he/she fulfils the following conditions detailed below:

- (a) Has completed course work, registration,
- (b) Has been selected for a job as faculty in a Central / State Government Institution / University, and there is a probability to continue in the programme at BEU, Patna.
- (c) Has been selected for a job as per his qualification in the Central / State Government

Research Organization, and there is a probability to continue in the programme at BEU Patna.

- (d) His / her employer has no objection to continuing to the programme as a part-time candidate.
- (e) Continues to do semester registration as per rules and has satisfactory progress report.
- (f) Appears for evaluation as per schedule notified by the university.

Also, once registered under Part-Time Ph.D. programme at the University, conversion of candidature from Part-Time to Full-Time is not permissible.

9. Migration from other University to BEU, Patna

A candidate registered for a Doctoral programme at any other Institute/ University/ Organization of National Importance and repute or Institute/ University/ Organization of repute outside India may be allowed to transfer his/ her candidature to BEU Patna after subject to the condition that

- (a) DRC has no objection after evaluating it.
- (b) He/ She has a No Objection Certificate from his/ her previous organization.
- (c) Candidate produces a Character Certificate from his/her former University/ University stating that “He/ She has not been involved in any act of indiscipline or bad conduct, and has not been punished/ debarred/ expelled by the Institute/ University”
- (d) Further, if the candidate is presently enrolled/ registered for a Doctoral programme at the University/ Institute as detailed above and wants to get transferred his/ her enrolment/ registration at BEU, Patna, then the case may be considered on case to case basis provided candidate holds valid enrolment/ registration at any centrally funded University (CFI) or Central University or any other University/ Institute directly under State government control or University/ Institute of repute outside India.
- (e) Candidate who stayed a minimum of 1 year OR fully completed the coursework requirement for the doctoral Program, whichever is earlier, are only eligible for transfer of their candidature at BEU Patna.
- (f) Candidates, after getting transferred to BEU, Patna, should stay at least 1 year (12 Months) from the date of restoration of admission at BEU, Patna, for giving pre-submission seminar following documents are required to be submitted by the candidate from the previous University:
 - Proof of Enrollment/Admission
 - Proof of Course Completion certificate
 - Grade cards of the course complete
 - Proof of registration for Ph.D.

— No Objection Certificate (NOC)

— Character Certificate

- (i) In all such cases, the candidate must make a written request to BEU, Patna for transfer of enrolment/ registration with all supporting documents as stated above for consideration.
- (ii) In case of all such candidature transfers, the credit earned under his/ her previous University shall be transferred as it is. The DRC will ratify it for any deviation from the prevailing rules of the programme at BEU Patna. After approval of the candidature transfer, he/ she has to deposit a fee for admission and continue his/ her research at BEU Patna under the present regulation.
- (iii) In case a new faculty joins from other MoE/UGC/AICTE regulated institution, and the DRC recommends for transfer of admission/registration of the candidates working under such faculty and getting a scholarship at the previous University, he/she may get a scholarship at BEU Patna provided the candidate fulfils the criteria laid down by the UGC/AICTE and total no of enrolled students in that discipline does not exceed for that particular academic session.

10. Pre – Submission Seminar

Prior to the thesis pre-submission seminar, a Ph.D. candidate should have

- (a) completed minimum specified time for Ph.D. work including course work, as per UGC PhD Regulation.
- (b) completed prescribed course work (i.e. 12 credits from mandatory courses and 6 credits of department courses)
- (c) earned minimum 48 Credits from progress seminars,
- (d) either two published or accepted papers in SCI or SCIE journal from undertaken research work. The publications Should have with his/ her name (i.e., Candidate’s Name) along with name of his/her supervisor/co-supervisor (if any).
- (i) If the candidate fulfills the above-mentioned pre-submission criteria, then he/she is required to apply for the thesis pre-submission seminar within the time limits to the Chairman, DRC through the Ph.D. coordinator in the prescribed format (Form E5) along with an application which includes updated details of - academic progress/ semester progress, a list of publications in International/ National Journal and/ or conferences and a draft synopsis of the research done for seminar/ presentation, through his/ her supervisor.
- (ii) RAC will conduct the Pre-submission Seminar. The RAC will submit “Satisfactory” or “Not Satisfactory” in its report to DRC.

Satisfactory (S): The candidate will be permitted to submit his/her thesis within three months.

Not Satisfactory (NS): In this case, RAC members will suggest modifications/improvements to the candidate. The candidate is given a time limit of three months, within which he/she will incorporate the suggestions in his/her thesis. After that, he/she will request to his/her supervisor to fix a new date for the thesis Pre-submission Seminar.

- (iii) If the candidate fails again in the second pre-submission seminar, he/she will be allowed to attend the next pre-submission seminar six months after the date of the second pre-submission seminar. This process will continue till the final maximum time limit permitted is over as per UGC PhD Regulation. After that, it will be a case of extension for another year with the approval of the Vice-Chancellor.

11. Thesis Submission and Thesis Examination

After successful completion of pre-submission seminar in front of ALL members of RAC (including external member) and the reports of the DRC have been accepted as satisfactory, the student has to defend his/ her thesis before an open viva voce board consisting of all RAC members, and one External Examiner within India (preferably those who have evaluated thesis).

11.1 Pre-Evaluation

Prior to submission of the thesis, the candidate is required to submit a synopsis of the thesis and complete research thesis in softcopy to the RAC for pre-examination. The pre-evaluation includes-

- (a) A plagiarism test, which will be done with the help of software. The thesis shall be accepted for submission only if the content of the thesis has less than or equal to 15% content duplication.
- (b) If his / her thesis fails the Plagiarism test, he/she will be asked to modify and resubmit it within three months. After revision and correction, it must be put under plagiarism test and must fulfil the requirement as stated above.
- (c) If RAC is satisfied, the synopsis and the thesis will be sent to the DRC.

The following documents are required to be submitted to the DRC immediately after the RAC approval, as detailed below:

- (i) *Academic progress* report with details of course completion, pre-registration seminar status, semester progress till submission and list of publications in journal/ conference signed by the candidate and his/her supervisor.
- (ii) *Synopsis of the Research Work/ thesis* based on recommendations of RAC, during thesis pre-submission seminar.

- (iii) *Detailed Plagiarism test report* of all chapters with the signature of the candidate and countersigned by the Supervisor(s) in the prescribed format specified in Form D7.

11.2 Thesis Submission

A candidate shall submit five copies of the thesis on A4 size paper in case of a single supervisor and six copies if there is a co-supervisor, along with requisite fees. The thesis must contain, besides the text, common matters like bibliography/ reference and summary/conclusions. A thesis should include the work published by the candidate.

The list of publications should be included before the references under the line of the category of Journal SCI / SCIE. The detailed format of the Final Thesis submission for evaluation is in *Appendix - E*:

- (i) The candidate shall submit a declaration that “the thesis is his/ her own original work and that it has not been presented and will not be presented to any other Institute / University for a similar or any other Degree award”.
- (ii) An abstract of the thesis (about 500 words) with keywords (not more than 20)
- (iii) A certificate from the supervisor(s) that (a) the work has been carried out under his/ her/ their supervision, (b) the candidate has fulfilled all prescribed requirements, and (c) the thesis is based on the candidate’s own work and has not been submitted elsewhere for a degree/ diploma to the best of his/ her knowledge.
- (iv) The details of guidelines for the Thesis Format and certificate(s), Chapter’s content and other outlines, etc., are available in *Appendix - E* for reference.

11.3 Thesis Examination

- (a) RAC will recommend a Panel of ten external experts, as detailed below, to the DRC

Panel I: Six External Experts from NIT/IIT/CFI/etc and

Panel II: Four External Experts Abroad University/Institute

Three experts (Two from Panel-I and at least One from Panel-II) from the aforementioned panel shall be appointed as ‘external’ examiners by the Vice-Chancellor and the supervisor(s) will be the internal examiner. The thesis shall be forwarded to the selected examiners who shall report separately on the thesis and forward their recommendations to the DRC in prescribed format (Form E8).

- (b) The DRC will examine the examiners' reports and send them to the Vice-Chancellor. The reports of expert(s) shall thereafter be sent to the RAC for their perusal and necessary action, if required. There may be following possible situations arising out of the nature of the reports, and the steps to be taken appropriate to the circumstance shall be as laid down

below.

- (i) Out of three, if all three examiners are unanimous in recommending the award of the degree on the basis of the thesis without any modification. This is a clear case for going in for the final requirement of viva voce examination.
- (ii) If examiners are unanimous in recommending the award of the degree but have suggested modification and/ or have asked for clarifications. The candidate in that case shall make modifications and provide the clarifications as suggested within the time period to be fixed by the RAC which should not exceed six months from the date of letter issued to the candidate. In such cases, after the candidate has incorporated a modification, the supervisor is required to forward the modified thesis with a certificate that “the modification suggested by the examiner(s) have been incorporated in the thesis at appropriate place.
- (iii) If one of the examiners does not recommend the award of the degree and rejects the thesis while the other examiners recommend for modification before award of the degree, the RAC in such a case may direct the candidate to modify the thesis as suggested within a given time not exceeding six months from the date of letter issued to the candidate. In such case after modification has been incorporated by the candidate, the RAC is required to forward modified thesis with a certificate that “the modification suggested by the examiner(s) have been incorporated in the thesis at appropriate place.
- (iv) If Two examiners reject the thesis, then the thesis may be sent to two other examiners from the original list of examiners suggested by the RAC. If both the examiners again do not recommend the award of Degree then the candidate’s Ph.D. registration stands cancelled.
- (v) Once the reports of the examiners have been accepted as satisfactory the candidate will have to defend his/ her thesis before an open viva voce board consisting of all RAC & DRC members, and the ‘External Examiner’ from Panel I. In case the External Examiner is not available to conduct the viva- voce, the Vice-Chancellor at his discretion may appoint another examiner from the original panel of thesis examiners as recommend by the RAC. The board will submit report in the prescribed format (Form E9).

- (vi) If the viva voce is satisfactory (S) and all other requirements have been fulfilled, the RAC shall recommend to the DRC for the award of the Doctoral Degree.
- (vii) In case of unsatisfactory (NS) performance in Open Viva voce by the candidate, RAC and DRC may recommend its rejection/ modification and a copy of the examiners' reports may be issued to the candidate at his/ her request without disclosing the names of the examiners. In such cases, the candidate has to appear again before the viva voce board within the next three months.
- (viii) The university shall complete the entire process of evaluating a Ph. D. thesis, including the declaration of the viva-voce result, within a period of six (6) months from the date of submission of the thesis.

12. Award of Ph.D. Degree

A candidate who has completed satisfactorily all prescribed requirements and has cleared all fees and dues payable to the University shall be eligible for the award of a Ph.D. degree of the University. The degree shall be awarded at the annual convocation for the university's academic session.

Prior to the actual award of the Ph.D. degree, the university shall issue a provisional certificate to the effect that the Ph.D. is being awarded in accordance with the provisions of these Regulations.

13. Depository with INFLIBNET

Following the successful completion of the evaluation process and before the announcement of the award of the Ph.D. degree(s), the university shall submit an electronic copy of the Ph.D. thesis to INFLIBNET, for hosting the same so as to make it accessible to all the Higher Educational Institutions and research institutions.

14. Removal of Difficulties

- (a) Any disputes/difficulties in the conduct of the Ph.D. programme may be resolved by the university in consultation with the Scholar, Guide, and Doctoral Committees Members. and the Academic Council
- (b) If necessary, the Dean may constitute a committee to resolve the disputes/difficulties, and the recommendations may be forwarded to the Vice-Chancellor for the final decision.
- (c) The Vice-Chancellor has powers to remove any difficulty while implementing this programme, notwithstanding whatever is said above.

Note: The amendments made time to time by UGC in respect of PhD Regulation may be adopted with approval of the University.

Appendix-A: Admission Committee

The Admission Committee will be formed for each academic session and may be reconstructed as per requirement. The Committee shall be responsible for the following activities with respect to Ph.D. admission:

- (a) Eligibility of Degree with the nomenclature of Discipline/ Branch and GATE requirement for admission.
- (b) Scrutinize Ph.D. applications and conduct admission.
- (c) Conduct Screening written test and selection interview for admission.
- (d) Recommend the name of the candidate(s).

The composition of the Admission Committee for every academic session is as follows:

1	The Vice-Chancellor	Chairman
2	Dean (Engg. & Tech)	Member
3	Dean (Students Welfare)	Member
4	Two Professors/Associate Professors to be nominated by the Vice-Chancellor	Member
5	Two Principals of Engineering Colleges to be nominated by the Vice-Chancellor.	Member
6	The Registrar	Member Secretary

Appendix–B: Departmental Research Committee (DRC)

The Departmental Research Committee (DRC) will be formed for each discipline separately.

DRC shall be responsible for the following activities with respect to Ph.D. programme:

- (i) Consider the research programme of the respective Discipline.
- (ii) To discuss the issues related to Ph. D students.
- (iii) Recommend the name of supervisor for the candidates.

The composition of the Departmental Research Committee (DRC) for every discipline is as follows:

1.	Dean (Engg. & Tech)	Chairman
2.	Ph.D. Coordinator of the University	Member Secretary
3.	Three faculty from the respective discipline to be nominated by the University.	Member

Appendix–C: Research Advisory Committee (RAC)

Research Advisory Committee (RAC) will be formed for each doctoral candidate separately. RAC shall be responsible for the following activities:

- (i) Approve the areas of research of the candidate defined by the supervisor.
- (ii) Decide the coursework for Ph.D. candidates.
- (iii) Suggest the courses to be completed by the candidate.
- (iv) Evaluation of all courses undertaken by the candidate.
- (v) Organize the pre-registration seminar for the candidate within the time limit as defined.
- (vi) Evaluation of the research progress of the candidate at the end of each semester.
- (vii) The recommendation of RAC duly signed for each research scholar should be sent to the Registrar (BEU, Patna) office for records through proper channel.

The composition of the Research Advisory Committee (RAC) for each doctoral candidate is as follows:

2.	Supervisor - for his/her candidate only	Convener
3.	Co-supervisor, if any	Member
4.	One External Expert from the same discipline and area of specialization from other universities (Centrally/ State Funded University etc.) or Institutions of repute (such as IITs, NITs, or from Research organizations etc.) to be nominated by BEU, Patna (Presence of External Expert for Pre-registration seminar and Pre-submission seminar is a must).	External Member
5.	Two Expert from BEU Patna of the same discipline and area of specialization to be nominated by the University.	Member

Note: Expert Members shall be entitled to get honorarium as well as TA / DA, as per university rules for attending RAC meeting.

Appendix–D: Rules Regarding Conduct and Discipline

Following rules shall be applicable to all candidates and research scholars in the matters of conduct and discipline.

1. Research Scholars shall show due respect to the teachers and staff. Proper courtesy and consideration should be extended to the employees. They shall also pay due attention and courtesy to visitors.
2. Research Scholars are required to develop a friendly camaraderie with fellow candidates. In particular they are expected to show kindness and consideration to the new candidates admitted to BEU, Patna every year. Ragging of newcomers in any form is banned by law. The acts of ragging will be considered as gross indiscipline and will be severely dealt with.
3. The following acts omission and/ or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
 - Ragging
 - Lack of courtesy and decorum, indecent behavior anywhere within or outside the campus
 - Wilful damage or stealthy removal of any property/ belongings of the BEU or of candidates
 - Possession, consumption or disruption of alcoholic drinks or any kind of hallucinogenic drug
 - Adoption of unfair means in the examinations
 - Mutilation or unauthorized possession of library books
 - Noisy and unseemly behavior, disturbing studies of fellow candidatesCommensurate with the gravity of the offence, the punishment may be awarded, fine, expulsion from the Hall, debarment from an examination, rustication for specified period or even outright expulsion from the University.
4. For offence committed by the students, the Students Discipline Committee of the University shall have the authority to impose fine or take other suitable measures.

Appendix–E: Thesis Submission for Evaluation Guidelines

Arrangement of Certificates and Texts in Thesis

1. Cover Page (Cover in light blue color with golden font color)
2. Inside Cover Page (Identical to Cover Page)
3. Certification
4. Declaration & copy right
5. Acknowledgments
6. Abstract
7. Contents
8. List of Figures
9. List of Tables
10. List of abbreviations (if any)

CERTIFICATE from the SUPERVISOR(s)

This is to certify that Mr./ Ms./ University Registration No. is a registered candidate for Ph.D. Programme under department of at Bihar Engineering University, Patna.

The undersigned certify that he/ she has completed all other requirements for submission of the thesis and hereby recommend for the acceptance of a thesis entitled, ‘.....’ in the partial fulfillment of the requirements for the award of Ph.D. Degree by Bihar Engineering University Patna.

Dated

.....
Supervisor(s) name, designation
with signature and seal

CERTIFICATE of Open Viva-Voce Exam

from the External Examiner and SUPERVISOR(s)

This is to certify that <<Name of student....., Registration No.....>> has successfully completed his PhD final Open viva-voce exam on.....

The PhD Degree may be awarded.

(Signature of Supervisor(s))

Name:

Date:

(Signature of External Examiner)

Name:

Date:

DECLARATION AND COPYRIGHT TRANSFER

(to be signed by the candidate)

I University Registration No. a registered candidate for Ph.D. under department of of Bihar Engineering University, Patna, declare that this is my own original work and does not contain material for which the copyright belongs to a third party and that it has not been presented and will not be presented to any other University/ Institute for a similar or any other Degree award.

I further confirm that for all third-party copyright material in my thesis/ dissertation (including any electronic attachments) is “blanked out” third party material from the copies of the thesis/dissertation/book/articles etc; fully referenced the deleted materials and where possible, provided links (url) to electronic sources of the material.

I hereby transfer exclusive copyright for this thesis to Bihar Engineering University, Patna. The following rights are reserved by the author:

- (a) The right to use, free of charge, all or part of this article in future work of their own, such as books and lectures, giving reference to the original place of publication and copyright holding.
- (b) The right to reproduce the article or thesis for their own purpose provided the copies are not offered for sale.

Signature of the candidate:

Date:

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Guideline for Thesis Presentation Information for Ph.D.

1. Contents of the thesis presentation are as follows but not limited to it

Title Page, Certification, Declaration and copyright, Acknowledgment, Dedication, Abstract, Table of Content, List of Figures, List of Tables, Abbreviations

CHAPTER	- 1	Introduction, Statement of Problem, Need of study, Objectives and Scope
CHAPTER	- 2	Literature Review
CHAPTER	- 3	Problem Definition
CHAPTER	- 4	Proposed Solution
CHAPTER	- 5	Analysis and Discussion
CHAPTER	- 6	Conclusion

ANNEXURE – 1, 2, 3 If any

REFERENCE – Harvard-Like format/ IEEE/ ASCE/ ASME/ APS/ACS/ Chicago Manual of Style/ MLA Format and list should restrict to maximum 200 references.

LIST OF PUBLICATION

DETAILS OF PATENTS (if Any)

2. Font and Spacing

Title: Bold, Times New Roman, 14 size and Centered

Subtitles: Bold, Times New Roman, 12 size and Left Justified

Spacing: Spacing between text lines: 1.5, Times New Roman, 12 sizes,

Leave one space between paragraphs, subtitle and the text or between title and sub title.

3. Paper Margins

Left margin	:	4.0 cm
Right margin	:	2.5 cm
Top margin	:	4.0 cm
Bottom margin	:	2.5 cm

4. Printing : The entire thesis shall be printed on both side of the paper.

5. Paper: Executive Bond

Form E1: Undertaking to be submitted by Ph.D. Scholar

Claiming Full-Time Research Assistantship/ Scholarship



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name of the Student	:	
University Registration Number	:	
Department/Title of Thesis	:	
Specialization	:	
Permanent Address	:	

I son/daughter of hereby undertake that

- As on I have not been selected for any regular appointment / service and I am registering for full time Ph.D. programme of the Bihar Engineering University Patna with the intention of completing the course within the period as stipulated in the regulations of the University.
- I will obtain prior permission of the Vice-Chancellor, Bihar Engineering University Patna for appearing for any examination conducted by other institutions / Universities/ Public bodies etc;
- I will not apply for or accept a job in any institution in India or abroad without obtaining prior permission from the Vice-Chancellor, Bihar Engineering University Patna.
- I will not discontinue the studies or relinquish the scholarship during the tenure without the prior approval of the Vice-Chancellor and I shall refund the entire amount of scholarship received by me from the date of commencement of the scholarship to the Vice-Chancellor, Bihar Engineering University Patna in case I discontinue the studies or relinquish the scholarship and
- I will abide by the rules for the award and renewal of the scholarship existing and as stipulated by UGC/AICTE norms from time to time.

Date:

Signature of the Student

From E2: Choice of Ph.D. Supervisor



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhatta Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name (in Capital letters)	:	
University Registration Number	:	
Type of Registration	:	Full-Time/ Part-Time/Sponsored
Department	:	
Broad Area of Research	:	

Sl. No	Name of the Faculty (Preferential order)	Name of the College Faculty is currently associated	Willingness of Faculty
1.			
2.			
3.			

Supervisor Allotted

Signature of the Scholar

Date:

Chairman (DRC)

Form E3: Request for Change of Research Supervisor or Inclusion of Co-Supervisor



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name of the Student	:	
University Registration Number	:	
Department	:	
Date of joining	:	
Type of Registration	:	Full-Time/ Part-Time/Sponsored
Name of the present research Supervisor(s)	:	
Reasons for requesting change of Research Supervisor <u>OR</u> inclusion of Co-Supervisor:		
Student Signature:		
Present Supervisor's Comment:		
Signature:		
Details of Proposed Supervisor/ Co-Supervisor		

Chairman (DRC)

Form E4: Course Work Registration Form [Ph.D.]



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name (in Capital letters)	:	
University Registration Number	:	
Type of Registration	:	Full-Time/ Part-Time/Sponsored
Department	:	
Month and Year of Examination	:	

Sl. No	Course Code	Course Name	Course Credit	Name of the Teacher offering the Course

Signature of the Scholar
Date:

Signature of the Supervisor(s)

Form E5: List of Publications Based on Ph.D. Research Work



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name of the Student	:	
University Registration Number	:	
Department	:	
Title of Thesis	:	

Publications in SCI / SCIE					
Sl. No.	Title of the paper	Authors (in the order it appears on the paper)	Name of the Journal with Volume, Pages	Month & year of publication	Type of Journal (SCI/SCIE)

Others, if any

Research Scholar

Research Supervisor

Form E6: Semester Progress Application and Research Seminar Report

RESEARCH SEMINAR REPORT OF Ph.D. CANDIDATE



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

SEMESTER.....

SESSION 20.....

PART A: TO BE FILLED BY THE STUDENT

1. Name of the Research Scholar:
2. University Registration Number: 3. Department:
4. Mobile No.: 5. Email ID:
6. Status: **Full-Time/Part-Time/Sponsored**
7. Date of Admission: 8. Current Semester:
9. Date of Registration in Ph.D. programme as per academic notification:
10. Ph.D. Topic:
11. Supervisor (s) & Co-Supervisor(s):.....
12. Status of course work with CGPA: (Attach mark sheet)
13. Recommendation of previous Progress/Research Seminar up to last semester:

Semester	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th
Recommendation										

14. Progress Report (attach separate sheet) (**Please address the following points**)
 - (i) Works progress in the last semester, Recommendations & directions given by the RAC in previous progress presentation
 - (ii) Works completed in the current semester: (as per the directions given by the RAC in previous progress presentation)
 - (iii) Works proposed for the next semester: (Short term goals, Long term goals)
 - (iv) Publication (Attach separate sheet if Space is insufficient):
15. Leave taken by the research scholar during current Semester.

Date:

Signature of Research scholar

PART B: RECOMMENDATIONS OF SUPERVISOR

Name of the Candidate:

University Registration Number:

Progress Report forwarded by the Supervisor for (First/ Second/ Third/ Fourth/ Fifth/ Sixth/ Seventh/ Eight/ Nine/ Ten) semester

Recommendation				

Any other comments by Supervisors/RAC members

1. Supervisor:
2. Co-Supervisor (if any):

Members of the RAC: Members present during the progress presentation with their designation and signature:

- 1.
- 2.
- 3.
- 4.
- 5.

KINDLY NOTE:

1. A warning may be issued to the candidate by RAC regarding the credits achieved and progress of the work if it is not up to the mark.
2. Termination on of registration is also recommended on account of the reason(s) given by RAC.

Form E7: Plagiarism Report of Final Thesis



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name of the Student	:	
University Registration Number	:	
Department	:	
Date of joining	:	
Name of Supervisor(s)	:	
Title of the Thesis	:	
Date of Plagiarism Test	:	
Percentage of plagiarism (copy of the report signed by Student and Supervisor)	:	
Exclusion of continuous words or any other setting in software for plagiarism test	:	

Signature of the candidate

Counter Signature by Supervisor:

Form E8: Report of the Ph.D. Thesis Examiner



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

(Please send report and your comment/ recommendations in the prescribed proforma in sealed envelope marked “Confidential”, to the Dean (Engg. & Tech.) BEU, Patna.

Name of the Student	:	
University Registration Number	:	
Department	:	
Title of the Thesis	:	

Recommendation of the Examiner:

Tick any one of the following FIVE options:

A.	The Thesis is satisfactory and recommended for the award of Ph. D Degree.	
B.	The Thesis be acceptable after minor correction/ revision/ modifications in the Thesis, as detailed/ suggested in the report with certificate of the supervisor(s) that all the modifications/ revisions suggested by the examiner are incorporated in the revised version of thesis.	
C.	The Thesis be acceptable after correction/ revision/ modifications in the Thesis, as detailed/ suggested in the report with certificate by the RAC of the candidate that those revision/ modifications as desired by the examiner has/ have been incorporated in revised version of Thesis submitted by the candidate.	
D.	The candidate is required to resubmit the thesis in the revised form, as per suggestions made and the thesis be sent for re-evaluation.	
E.	The thesis is rejected.	

Please give detailed report in additional sheets, if required corresponding to your recommendations as per options A, B, C, D or E.

Place:.....

Signature

Date:.....

Name & Address of Examiner

Form E9: Report of Final Viva-Voce Examination Board



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

Name of the Student	:	
University Registration Number	:	
Department	:	
Date of joining	:	
Name of Supervisor(s)	:	
Title of the Thesis	:	
Date of Thesis Defense / Viva-Voce Exam	:	

[Recommendation/comments by External Examiner]

[Names & Signature of DRC/RAC/External Examiner with date]

Form E10: Application Form for Enhancement of Scholarship



BIHAR ENGINEERING UNIVERSITY, PATNA

6th Floor, Examination Block, Aryabhata Knowledge University, Mithapur, Patna – 800001, Bihar, India

Phone No.: 0612-2385475

Website: <http://beu-bih.ac.in/BEUP/Default.aspx>

(S.No.1 to S.No.11 to be filled in by the scholar and verified by the concerned supervisor(s))

1. Name of Candidate with University Registration Number:
2. Name of Department:
3. Category (please tick): Full time/ Part time/ Sponsored Ph.D.
4. Name of Supervisor with designation:
5. Name of Co-Supervisor (if any) with designation:
6. Date of admission (Attach self-attested copy):
7. Course Work completed (Attach self-attested copy of Grade card) CGPA:
8. Date of Registration (Attach self-attested copy)
9. No. of Semester completed:
10. Title of the Work:
11. Publication(s), if any:(Attach self-attested copy)
12. Drawn Fellowship/assistantship @ Rs..... per month since (date)

Date:

Signature of Candidate

For Office Use only
Remarks/Recommendation by Convenor, RAC
Sign. Date.
Approved by, Vice-Chancellor BEU Patna
Sign. Date.

Form E11: List of Examiners

STRICTLY CONFIDENTIAL

Appointment of external examiners to evaluate the thesis for the Ph.D. degree of Bihar Engineering University, Patna

Name of candidate with Registration No :
Date of registration :
Department :
Ph.D Thesis Title :

Name of examiners recommended by the RAC of the candidate at its meeting held on
.....

(A) Indian Examiner not below the rank of Professor (at least four)

1. Professor Full Address : Telephone/Mobile Email:	2. Professor Full Address : Telephone/Mobile Email:
3. Professor Full Address : Telephone/Mobile Email:	4. Professor Full Address : Telephone/Mobile Email:
5. Professor Full Address : Telephone/Mobile Email:	6. Professor Full Address : Telephone/Mobile Email:
Name of Supervisor:	Name of Co-Supervisor (if any):

(B) Foreign Examiner (at least TWO)	
1. Name Full Address : Telephone/Mobile Email:	2. Name Full Address : Telephone/Mobile Email:
3. Name Full Address : Telephone/Mobile Email:	4. Name Full Address : Telephone/Mobile Email:
Name of Supervisor:	Name of Co-Supervisor (if any):

Name and Signature of RAC members

1	4
2	5
3	6

Certified that-

1. all the addresses are complete including PIN/ZIP code, email ID;
2. all the addresses are official or where the address is not official, the position held by the addressee is clearly stated;
3. The Performa is complete in all respect.

Convener, RAC