



**Information Brochure
Ph.D. Admissions
2026-27**

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I. Important Guidelines for Ph.D. Application

1. Please read the instructions given in the brochure carefully before filling up the application form.
2. **Online** Application Form & Information Brochure (including the admission schedule along with the important dates) is available on the University website, <https://www.sguk.ac.in> You are required to submit the application **ONLINE**. No Downloadable Forms will be available.
3. The application fee is as follows,

Category	Application fee for Regular Period (In Rs.)	Application fee for Extended period (In Rs.)
All candidates	2500/-	3000/-

Application fee shall be paid as per the instructions given in online form available on university website. APPLICATION FEE IS NON-REFUNDABLE.

4. You should complete the application form in all respects. Incomplete application will not be considered.
5. You **MUST** upload the following while submitting the Ph.D. Application.
 - Scanned version of photograph.
 - Mark-sheet of the last semester/ Consolidated mark-sheet of the qualifying degree. Result awaited candidates have to upload their latest/previous semester mark-sheet. UG and PG Certificates
 - Caste Certificate (OBC-NC/SC/ST), if applicable. An affidavit for having applied in case the certificate is not yet received.
 - Economically Weaker Sections (EWS) candidates need to submit EWS certificate issued by the Competent Authority in the prescribed format.
 - PWD Certificate, if applicable.
 - Sponsorship certificate, if applicable.
 - (please upload Sponsorship Certificate, if not available then attach Self-Declaration letter stating that the sponsorship certificate will be given at the time of Interview/ Admission).
 - Project Staff/ Institute Staff should submit No Objection Certificate (NOC)' a letter of recommendation from the Principal Investigator (PI)/ Head/Office-In-Charge at the time of application.
6. OBC-NC candidates may note that the limit of annual income is Rs. 8 lakhs for determining the creamy layer among Other Backward Classes (OBCs) candidates. The OBC-NC certificate issued for the financial year 2025-26 by the Competent Authority in the prescribed format must be uploaded in the ONLINE application form and submitted at the time of admission.
7. Economically Weaker Sections (EWS) candidates may note that the limit of annual income is Rs. 8 lakhs for determining the eligibility for benefit under Economically Weaker Sections (EWS) reservation. The EWS certificate issued by the Competent Authority in the prescribed format must be uploaded in the ONLINE application form and submitted at the time of admission.
8. PWD candidates will be given extra time, as per GOI rules on request by the candidate. Such requests need to be addressed to Head of the concerned academic units through email/hard copy well in advance.
9. Seats are reserved for Economically Weaker Sections (EWS)/ Other Backward Class Non-

Creamy Layer (OBC-NCL)/ Scheduled Caste (SC)/ Scheduled Tribe (ST) and Person with Benchmark Disability (PWD) Categories, as per Government rules.

10. You should check the university website for results / important announcements.
11. You should check emails sent to the email address provided in your application for all important communications and announcements.
12. Merely fulfilling eligibility criteria doesn't entitle a candidate to be called for the test and/or interview. Admission is based on GATE/SGUPET Written test/Interview performance in addition to general eligibility criterion, the applicants must also satisfy the eligibility criteria specified for the respective Departments/ Schools / Interdisciplinary Groups. For detailed information please refer “**SGU PhD Ordinances 2024**” and UGC PhD Regulations 2018.
13. Candidates, if called for written test/interview should show/ bring with them (i) Photo ID Card, (ii), (iii) Thesis / dissertation / report / publications (iv) copy of certificates and mark-sheets.
14. Candidates having degree from foreign universities should submit equivalence certificate from Association of Indian Universities (AIU), New Delhi for qualifying Exam and proof of having First class (For Engineering/ Technology/Pharmacy and other Professional Degree Programs) and 55% marks for General Category or equivalent and 50% marks for Reserved Category or equivalent in qualifying examination for other programs in the faculty of Science and Technology, Commerce and Management, Humanities and Social Sciences and Interdisciplinary Studies .
15. Contact Details for - Ph.D. – ar.pgsection@sguk.ac.in
16. Students must submit self-attested copies of his/her qualifying degree certificate & final transcripts at the time of admission, failing which admission will stand cancelled.

II) Tentative Schedule of Ph.D. Admission

(A) Important Dates:

Sr. No.	Activity	Date
1	Last date of submission of application form	30 th October 2026
2	PhD Entrance Test (SGUPET-2026)	28 th November 2026

Results will be declared on SGU website. The dates given are tentative. Any changes in the dates will be indicated on the website.

A) GENERAL

A.1) THE UNIVERSITY

Sanjay Ghodawat University was established as a State Private University in the year 2017. Previously it was Sanjay Ghodawat Institutes formed in the year 2009 by the Chairman of SG Group, Sanjay Ghodawat. The Institute had received NAAC A grade and also its programs were accredited by NBA and after this the natural progression was the evolvement of Sanjay Ghodawat University.

The University was formed to accommodate more students and give them a variety of choices for their career path. The University offers UG, PG and PhD programs in Technology, Management, Commerce, Science, Humanities and Social Sciences, Pharmacy, Allied Health Sciences, Legal Studies, and Computer Applications. The USP of the University is its curriculum in tandem with the requirements of the Industry plus choice based credit system that allows students to choose major as well minor in the subjects of their choice. It encourages multi - disciplinary approach that helps students' creativity and productivity. The University also offers hand on experience with establishment of Tata Technology Centre, Mechatronics Lab Car, BOSCH Collaboration Centre, Centre of Space and Atmospheric Science etc. The University campus is a state of art facility provided to students to help them study in a pristine environment. The 165 acres' campus is replete with facilities like spacious classrooms, smart classrooms, well equipped labs, food court, amphitheater, stadium with flood lights, swimming pool, horse riding, tennis court etc. The School of Commerce and Management, SGU was recognized as Top Emerging B School by Times B School Survey 2020. School of Technology, SGU Ranked 4th in Top Emerging Engineering Institutes of the Nation, 9th in Placement Category and 2nd in Research Capabilities by Times Ranking 2020.

The listing of all the Masters' programmes and Ph.D. programmes offered in various academic units are given below,

Programmes	Discipline
M. Tech.	Aerospace Engineering, Civil Engineering, Computer Science & Engineering, Electronics Engineering,
M. Pharm	Pharmaceutics, Pharmaceutical Quality Assurance
MBA	HR, Finance, Marketing, International Business
M.Sc.	Chemistry, Physics
MCA	Computer Applications
Ph.D.	Aerospace Engineering, Civil Engineering, Computer Science and Engineering, Electronics Engineering, Management, Physics, Chemistry, Pharmaceutical Sciences, English

A.2) RESEARCH FACILITIES

All the academic units of the University have well equipped research laboratories and workshop facilities. In addition, there are a number of central facilities, which include Computer Centre, Central Library and Central Workshop. The Central Library has a very large collection of books, back volumes of periodicals, standards specifications and other literature in print and electronic format. The Library books and bound volumes, e-books, and subscriptions in the domains of science, engineering, humanities and social sciences, management, and associated fields. Databases, including financial, bibliographical, and citation databases, are also subscribed by the Central Library. Additionally, the Central Library offers users access to use plagiarism detection tool like Turnitin and provides access to millions of electronic theses. The university is backed with strong industrial support by its parent group Sanjay Ghodawat Group, India's broad-ranging and multifaceted conglomerate having its presence in sectors like Aviation, Consumer Goods, Education, Energy, Food Processing, Realty, Retail, Textiles, Floriculture, Wind Turbines, Marble Mining, Beverages and Softech.

A.3) Opportunities of Collaborative Research with Foreign Universities

The university has well established Cell for International Linkages that offers Opportunities of Collaborative Research with Foreign Universities through,

1. Joint Supervision: Ph.D. candidates can pursue joint research supervision with international professors from reputed foreign universities.
2. Prototype Development Abroad: Scholars can validate and implement their research ideas through short-term visits to international research labs.
3. Postdoctoral Pathways: Priority consideration for postdoctoral positions in our global partner universities after successful Ph.D. completion.
4. Funding and Grants: Access to international research funding, collaborative grants, and travel fellowships for conference presentations abroad.
5. Interdisciplinary Collaboration: Work on cutting-edge interdisciplinary projects involving AI, Healthcare, Sustainable Technology, and Advanced Materials.
6. Scopus and SCI Indexed Publications: Support for publishing research outcomes in high-impact international journals and conferences.
7. Industry-Linked Research: Opportunity to work on industry-funded Ph.D. projects with technology validation and patent filing support.
8. Global Mentoring Network: Mentorship from distinguished international researchers and alumni working in top universities and industries worldwide.
9. Career Development Support: Tailored career counseling, postdoc guidance, and international networking for global research careers.

A.4) STUDENTS AMENITIES

SGU has hostel facilities equipped with modern amenities separate for boys and girls with well-furnished room accommodating three students each. There are 7 blocks of hostels in the campus. The rooms have individual bed, study table, books shelve, and cupboards. The hostels are provided with Wi-Fi access free of cost, stationary shops, copier facilities, mini super market and self- laundry facility. To ensure safety of the students each hostel has separate rectors with security services. The hostel blocks are under surveillance of CCTV.

Dining

There is a specious dining hall located centrally in Food Court. The food served is tasty and hygienic. Jain food can be availed at request. Food Court consisting of various stalls offers vegetarian food at reasonable prices. There are fast food outlets attached to the Hostel apart from canteen facility.

Health Facility

Primary health care facility is available at SGU Health Care Centre. It provides OPD services from 9.00am. to 5.30pm. on all University working days. The total dependent population is about 5,000 people which include students, employees and their authorized dependents, retired employees & their dependents and the various non-entitled people like ex-students, servant quarters residents, sanitary staff, security staff, house-keeping staff, various projects staff, working in the University.

Other Amenities

Regular Banking and ATM services are available in the SGU premises. For the comfort of guest and parents, the guest house at SGU campus offers fully furnished rooms. The vast indoor and outdoor play fields are available. Each hostel block is facilitated with Television set.

A.5) Ph.D. PROGRAMME

With good infrastructural facilities and research base, the University offers Ph.D. programmes in a

wide range of areas in Engineering, Management, Sciences and Humanities & Social Sciences. The broad objectives of the Ph.D. programme are to contribute to expanding the frontiers of knowledge and to provide research training.

The academic programme leading to the Ph.D. degree is broad-based and involves a course credit requirement and a research project leading to thesis submission. The University also encourages research in interdisciplinary areas through a system of joint supervision and interdepartmental group activities. Facilities for research work leading to the Ph.D. degree are available in the departments of Aerospace Engineering, Chemistry, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Humanities and Social Sciences, Mechanical Engineering, Materials Science, Physics, and Pharmacy.

A.6) ELIGIBILITY CRITERION FOR PH.D. ADMISSION

The following candidates are eligible to seek admissions to the Ph.D. Program:

5.1 Candidates who have completed:

- i. A 1-year (2-semester) master's degree program after a 4-year (8-semester) bachelor's degree program or a 2-year (4-semester) master's degree program after a 3-year bachelor's degree program or qualifications declared equivalent to the master's degree by the corresponding statutory regulatory body, with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.
- ii. A relaxation of 5% marks or its equivalent grade shall be applicable for the candidates belonging to SC / ST / VJ / NT / OBC (non-creamy layer) / Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC of Govt. of Maharashtra from time to time.
- iii. A candidate with 4-year (8-semester) bachelor's degree (Honours or Honours by Research) shall also be eligible for direct admission to the Ph. D. program provided they score a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade shall be applicable to the candidates belonging to SC / ST / VJ / NT / OBC (non-creamy layer) / Differently-Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC or Govt. of Maharashtra from time to time.
- iv. A relaxation of 5% marks or its equivalent grades shall also be applicable to those who have obtained Master's degree prior to 19th September, 1991.

5.2 Candidates who have acquired M.Phil. degree (in regular mode only) with at least 55% marks in aggregate or its equivalent grade in a point scale wherever grading system is followed or equivalent qualifications from a Indian or foreign educational institutions accredited by the assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of educational institutions, shall be eligible for admission to the Ph.D. program. A relaxation of 5% marks or

its equivalent grade shall be applicable to the. candidates belonging to SC / ST / OBC (non-creamy layer) / VJ / NT/ Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC, the University or Govt. of Maharashtra from time to time.

A.6 APPLICATION CATEGORIES AND FINANCIAL SUPPORT

6.1 Teaching Assistantship (TA)

A candidate, selected for the Ph.D. Programme, at Sanjay Ghodawat University will be eligible for the financial support under the TA category subject to the availability of positions at the department.

The assistantship is payable for a maximum duration of 5 years or up to the thesis submission, whichever is earlier. The monthly rate of assistantship is Rs. 10000/- for the first 2 years and enhanced rate of Rs. 15000/- for the remaining period.

The continuation of assistantship under TA category will be subject to serving as a teaching assistant in a course / laboratory for 8 hours per week as assigned by the concerned academic unit as well as satisfactory academic performance. The assistantship will be paid on the basis of monthly attendance.

As per MoE directives, the employees on the rolls (with or without pay) of any organization are not eligible for admission under this category.

6.2 Research Assistantship (RA)

A candidate, selected for the Ph.D. Programme, at Sanjay Ghodawat University will be eligible for the financial support under the RA category subject to the availability of positions at the department. The assistantship is payable for a maximum duration of 5 years or up to the thesis submission or duration of the project, whichever is earlier. The monthly rate of assistantship is Rs. 15,000/-. Students admitted under RA category will have to look after the laboratories and also assist in teaching or research or other related academic work for about 24 hours per week as assigned by the concerned academic unit. Continuation of assistantship will remain subject to the satisfactory performance in assigned duties as well as satisfactory academic performance. The assistantship will be paid on the basis of monthly attendance. The employees on the rolls (with or without pay) of any organization are not eligible for admission under this category.

6.3 Teaching / Research Assistantship Through Project (TAP/RAP)

The financial support under this category is provided from sponsored projects as per the norms approved by the sponsoring agency and SGU. In case a specified norm is not available, the same approved by funding agency will apply. The assistantship is payable for the period sanctioned in the project. The continuation of assistantship under TAP / RAP category will be subject to serving for the project as assigned by the concerned project investigator(s) as well as satisfactory academic performance.

6.4 Fellowship Award (FA)

The financial support under this category is provided by various Govt. / Semi Govt. schemes (CSIR, UGC, DAE, DST, SARTHI, MAHAJYOTI, BARTI, DBT, NBHM, etc.) and some other organizations. A valid Junior Research fellowship (JRF) award letter from the Govt. / Semi Govt. agencies (e.g. CSIR/UGC /DAE /DST/ SARTHI/ MAHAJYOTI/ BARTI/ DBT/ NBHM etc.) is required for the execution of this fellowship. The amount and duration of the fellowship will be as specified by the awarding agency. The disbursement and continuation of the fellowship will be

subject to as per the norms specified by the awarding agency or specified by SGU for TA category, as deemed fit.

6.5 Sponsored Candidate (SW)

The students admitted under this category are not eligible for any financial support from the Sanjay Ghodawat University and are sponsored by their employers. They are expected to be released for fulltime course work and research at the University for a minimum period of three years.

An appropriate sponsorship letter ([Appendix C.1](#)) should be submitted at the time of written test and/or interview. Students admitted under this category are not generally entitled for hostel accommodation on campus.

6.6 Self-financed Indian Nationals, including those on Study Leave (SF)

The students admitted under this category are not eligible for any financial support from Sanjay Ghodawat University. Candidate with the provisional DST-INSPIRE fellowship award letter may apply under Self-Finance (SF) category. After successful admission, if the candidate subsequently clears the final round of selection of DST-INSPIRE, s/he would be allowed to convert from the Self-Finance (SF) to Fellowship

6.7 University Staff of Sanjay Ghodawat University

This category is only for the ‘full time regular’ employees of Sanjay Ghodawat University.

- (i) The candidate should have been employed as University staff for at least 2-years (before the starting of the semester in which admission is sought) AND after completion of qualifying degree. The candidate must produce a letter of work experience at the time of application.
- (ii) The concerned academic unit will shortlist the eligible candidates. Admission will be on the basis of written test and interview as applicable to the concerned programme. The candidates need to submit NOC, from the Head/Office-In-Charge, at the time of application.
- (iii) There will be 25% concession in PhD fees for Sanjay Ghodawat University Staff.

6.8 External (EX)

The candidates employed in recognized R&D organizations, well-equipped scientific institutions, laboratories, and industrial organizations engaged in research-based activities, and desirous of pursuing Ph.D. programme while in employment may apply for admission as external candidates.

These candidates must have a Supervisor (internal) from the Sanjay Ghodawat University and an external supervisor from their parent organization where they will be doing the research work. The admissions are based on the following norms:

The competence of these candidates will be assessed along with the regular candidates. After joining, the rules and regulations as specified by the Sanjay Ghodawat University for regular candidates with regard to academic performance will remain applicable for candidates under EX category also.

The candidate should submit, a Sponsorship Certificate ([Appendix-C.3](#)) from the organization, in which s/he is employed, at the time of application giving an undertaking that s/he would be released from the normal duties to fulfil the course-work requirement (and qualifier examination, if applicable). The certificate should also provide details of facilities relevant to the research programme and available to the candidate.

The candidate has to complete the course-work (and qualifier examination, if applicable) immediately after joining the programme within a period of one to two semesters. Depending on the student's background and the programme requirements, an additional semester may be needed to complete the coursework/qualifier examination. After fulfilling the course-work (and qualifier examination, if applicable) at the Institute, these candidates will be allowed to register for Ph.D.

To promote interaction between the internal and external supervisors, regular meetings between them should be arranged at least once in a year in the Institute or in the sponsoring organization.

Persons working in colleges/universities are not eligible under this category and rather apply under college teacher (CT) category.

At the time of joining the programme, the selected candidate will have to produce a the “Relieving Certificate” from his / her employer that s/he has been fully relieved from the normal duties to complete the course (and qualifier examination, if applicable) at Sanjay Ghodawat University.

A.7) PhD Admission Procedure

The desirous and eligible candidates can seek admission to PhD Program under following two categories:

5.3.1 SGUPET Qualified:

- Qualifying SGUPET of the University is mandatory for seeking admission to the Ph.D. Program.

5.3.2 SGUPET Exemption:

As per the guidelines of UGC, qualifying SGUPET is mandatory for seeking admission to the Ph.D. program of Sanjay Ghodawat University Kolhapur. However, candidates fulfilling either of the below listed conditions are EXEMPTED from appearing for the SGUPET of the University and shall be eligible for admission to the Ph.D. program, provided that they need to apply for admission through SGUPET Exemption mode as per procedure outlined by the University.

- a. Candidates who have qualified UGC-NET (including JRF) / UGC-CSIR NET (including JRF) / SET (Maharashtra State only) / GATE / GPAT (of valid score and period) AYUSH- NET/DBT-JRF, ICMR-JRF, ICAR-JRF or equivalent national level examinations / candidates provisionally selected for the DST-INSPIRE fellowship / teacher fellowship.
- b. Candidates who have qualified national level SRF conducted by National bodies like CSIR, DBT etc.
- c. Candidates who are selected / shortlisted for Ph.D. through National level QIP (Quality Improvement Program) and ADF (AICTE Doctoral Fellowship).
- d. Candidates with M. Phil. Degree awarded by any of the Statutory University in India in the relevant subject.
- e. University teachers having at least Five Years regular teaching experience at graduate / post-graduate level approved by the University and having published at least two first authored research papers in peer reviewed journals in the relevant subject.
- f. Person having ten years work experience in national laboratories / institutes / State Government or semi-government organizations sponsored by the respective institution and have published at least two first authored research papers in UGC recognized journals. Such research scholars selected by the research organization(s) through their ‘screening selection test / interview’ at

national level shall be exempted from SGUPET provided that the University has signed a Memorandum of Understanding with such institutes.

- g. Scientists / professionals working in R & D institutes of the Government of India / State Government with which the University has signed a Memorandum of Understanding may directly appear for interview subject to the fulfilling of the minimum eligibility criteria.
- h. Senior citizens with age of 60 years and above and having qualified post-graduation degree with a minimum of 50% marks and experience of 15 years after post-graduation in related field. This type of exemptions for senior citizen shall be at the discretion of the Vice- Chancellor.
- i. Foreign Students and persons of Indian origin (PIO) shall be exempted from SGUPET, with a minimum of 55% marks at master degree or equivalent grade obtained either from recognized Indian or foreign university.

6. SGUPET Details:

Admission to the Ph.D. program of the eligible candidates as described above shall be completed in two stages; Stage I - the SGU-PET Examination and Stage II - the Personal Interview.

Stage I - SGU-PET

- i. SGU-PET will be conducted at the University Campus in online proctored mode.
- ii. Question paper of the SGU-PET Examination shall comprise two sections:
Section A – based on the Research Methodology (comprise 50% of the SGU-PET)
Section B - based on the Specific Subject in which the candidate wishes to pursue Ph. D. (comprise 50% of the SGU-PET)
- iii. The examination is of 100 MCQs carrying one mark each with two hours' duration.
- iv. Syllabus and other details for both the sections are displayed on the University website.
- v. Students who have scored more than 50% marks in both the Sections separately shall be declared as the SGU-PET Qualified and shall be invited for the personal interview.
- vi. A relaxation of 5% marks in the SGU-PET Examination shall be applicable to the candidates belonging to SC / ST / OBC (non-creamy layer) / VJ / NT/ Differently Abled, Economically Weaker Section (EWS) and other categories of candidates as per the decision of the UGC and Govt. of Maharashtra from time to time.

Stage II - Personal Interview

(Applicable for SGU-PET Qualified as well as SGU-PET Exempted Candidates):

- i. After the declaration of the SGU-PET Examination result, the shortlisted candidates, whether SGU-PET qualified or SGU-PET exempted shall appear before the Research Allocation Committee (RAC) of the University for the Personal Interview to discuss the research interest / area through a presentation.
- ii. The personal interview will consider the following aspects, whether:
 - a. The candidate possesses the competence for the proposed research work
 - b. The research work can be suitably undertaken at the university
 - c. The proposed area of research can contribute to new/additional knowledge.

7. Declaration of Merit List

- a. Separate merit lists for all the General and Reserved Category candidates shall be prepared by the Admissions Committee for the candidates from the lists in based on their performance in the personal interview and also in the qualifying examination in the ratio of 70:30, i.e., 70% weightage is given to SGUPE, other national level examinations conducted by PERA, the State and Central Government and SGUPET exempted candidates and 30% weightage to personal interview.
- b. Candidates who have cleared the national tests and those with M.Phil. Degree shall be placed in separate lists in order of their merit in the personal interview and the qualifying examination.
- c. Consolidated merit list of candidates qualifying for Ph.D. admission will be prepared considering the performance at SGUPET and/or SGUPET exempted category.
- d. Only the candidates in the consolidated merit list shall be considered for filling the existing vacancies.
- e. Finalization of admission will depend on the vacancies available at the department. The vacancies may vary.

A.8) PhD Fees

- Application fee to write SGUPET-2026 is Rs. 2500.
- The Ph.D. course fee per annum is Rs. 1,10,000 for (Technology/Science /Pharmacy) and Rs. 1,00,000 for (Management/ Commerce/English)
- Thesis evaluation fee to be paid at the time of thesis submission is Rs. 20,000.

A.9) REGISTRATIONS FOR THE PH.D. DEGREE

After a candidate has been admitted to the PhD Program of this university, he/she has to make an application on a prescribed form for registration for the Ph.D. degree. This application will be considered by the Research and Recognition Committee (RRC) which will make appropriate recommendations regarding (a) the course work prescribed for the candidate and (b) the date of registration.

The period of validity of Ph.D. registration for all candidates is FIVE years from the date of confirmation of registration (Registration is confirmed as per rules, after successfully completion of course credit requirements).

A.10) CONFIRMATION OF REGISTRATION

All Ph.D. Admissions are provisional until the “Confirmation of Registration” is completed. This confirmation takes place after six months to a year after admission, and only if coursework Part-I is satisfactorily completed. This must be completed successfully prior to confirmation of registration. Failure to meet satisfactory performance criterion may lead to termination of studentship.

A.11) COURSE WORK: CREDIT REQUIREMENTS, SYLLABUS, MINIMUM STANDARDS FOR COMPLETION, ETC.

- 11.1 The Credit requirement for the Ph.D. course work (Part A and Part B) is minimum of 16 credits, including the credits of the courses on “Research Methodology”, “Research and Publication Ethics” and “Computer Applications / ICT” as notified by the UGC vide D.O. No. F. 1- 1 / 2018 (Journal/CARE) in 2019.

11.2 The Departmental Research Advisory Committee (DRC) of the Research Centre, where the research scholar has been admitted to pursue his / her research, shall prescribe subject specific course(s) applicable to him / her on the recommendations of the Supervisor. The DRC may also recommend courses available on the online platforms as the part of the credit requirements of the Ph.D. program.

11.3 The detailed syllabus, paper titles, credit distribution, paper structures, evaluation process etc. shall be decided by the competent authority of the University and shall be informed to the scholars by the DRC / Research Centre.

11.4 The course work shall be divided into two parts:

Part A: Theory courses common for all subjects, irrespective of the faculty:

- i. Research Methodology – 03 credits (45 Hours Teaching, 75 marks)
- ii. Research Publication Ethics (CPE-RPE) – 02 credits (30 Hours Teaching, 50 marks)
- iii. Computer Applications / IT – 03 credits (45 Hours, 75 marks)

Part B: Subject Specific Course Work related to the research problem and shall be completed under the supervision of research supervisor. It shall be the responsibility of the supervisor to design and get Part B of the course work completed from the research scholar. The syllabus of the Part B shall be based on:

- i. Foundation and Philosophy of research – 04 credits (60 Hours, 100 Marks)
- ii. Research Problem Related Course - 04 credits (60 Hours, 100 Marks)

Here, each credit shall have 15 hours of instructions and weightage of 25 marks. The instructions may be in the form of lectures, tutorials, demonstrations, practical work, field work etc. and shall be based on the CBCS pattern of the University. The curriculum of the above courses is available on university website.

11.5 Ph.D. registrations of the research scholar shall be confirmed only after the completion of Part A of the course work (08 credits) successfully. It is responsibility of the research scholar to complete Part A of the course work within one year from the date of the allocation of supervisor.

11.6 Part B of the course work related to the Subject Specific Course work of 08 credits shall be required to complete within two years from the date of allocation, before the Pre-Ph.D. seminar.

11.7 Research scholars who have already completed “Research Methodology” and “Research and Publication Ethics” during their post-graduation as per the credit frame work of the NEP- 2020 or during their M. Phil. program are exempted from appearing for this course. However, they need to complete additional 02 credit course on Computer Applications / IT and other 08 credits related to the Subject Specific course work.

11.8 Grades earned by the candidate in the Subject Specific course work shall be finalized after completion of the assessment of 08 credits by the Supervisor at the Department / School / Research Centre level and shall be communicated to the Controller of Examination (COE) for his / her final score card.

11.9 The Ph.D. scholar shall become eligible to submit his / her Ph.D. thesis only if he /she scores a minimum of 55% mark or its equivalent grades in the UGC 10-point scale in the course work. Other rules such as attendance, continuous assessment, end semester assessment, etc. for the completion of the course work shall be at par with the University norms.

11.10 All Ph.D. scholars, irrespective of discipline, shall be required to obtain training in teaching / education / pedagogy / writing related to their chosen Ph.D. subject during their doctoral

period. Full time Ph.D. scholars shall also be required to engage 04 hours per week of teaching / research assistantship for conducting tutorial or laboratory and evaluation work as assigned by the Department / School

A.12) SUBMISSIONS OF THESIS AND AWARD OF DEGREE

Subject to fulfilling the course credit requirements and other conditions as may be laid down from time to time, the candidate may submit the Ph.D. thesis after two years from the date of registration. The thesis is examined by two/three referees from outside the University. The Research and Recognition Committee (RRC) examines the reports of the referees and on acceptance of the thesis, recommends a Board of Examiners to Vice Chancellor for approval and to conduct a viva-voce examination at which a candidate is required to defend the thesis. On the basis of the report of the Board of Examiners, the Academic Council decides the student's eligibility for award of the degree of Doctor of Philosophy.

B. Information of Schools and Departments

In addition to the eligibility requirements mentioned in Section A, the candidate should also fulfill the requirements for the admission in the disciplines and specializations of their choice,

B.1 Aerospace Engineering (Department of Aerospace Engineering)

Eligibility for Admission:

First Class for General Category and 55% marks for Reserved Category, as specified in the General Eligibility Criterion, in the qualifying degree with any one of the following: (i) M. Tech./M.E. or equivalent degree in Aerospace Engineering/ Aeronautical Engineering in other branches of engineering relevant to the research areas in the department.

Research Areas:

- Experimental Aerodynamics
- Computational Fluid Dynamics and Numerical Modelling
- Drag reduction studies
- Turbulent, Boundary-Layer and Flow-Stability Studies
- Vortex Dynamics and Flow Control
- Aerospace Propulsion and Combustion
- Multiphase and Reactive Flows
- Aerospace Structures and Computational Mechanics
- Composite Materials, Fatigue and Fracture Mechanics
- Vibration and Impact Mechanics

B.2 Computer Science & Engineering (Department of Computer Science & Engineering)

Eligibility for Admission:

First Class for General Category and 55% marks for Reserved Category, as specified in the General Eligibility Criterion, in the qualifying degree with any one of the following:

(I) B.E./B.Tech./AMIE or equivalent in any engineering discipline. (ii) M.Sc. or equivalent in any science discipline. (iii) MCA (undergraduate degree B.Sc. with Physics & Mathematics or BCA) or equivalent. (iv) MTech/M.E in any engineering discipline Candidates satisfying (i) or

(ii) or (iii) AND NOT satisfying (iv) have to fulfill one of the following additional requirements:
a) Valid GATE score b) CSIR / UGC / NBHM / DBT award c) Minimum of 2 years of professional work experience

Research Areas:

Artificial Intelligence/Machine Learning/Deep Learning, Wireless adhoc network, Natural Language Processing

B.3 Civil Engineering (Department of Civil Engineering)

Eligibility for Admission:

First Class for General Category and 55% marks for Reserved Category, as specified in the General Eligibility Criterion, in the qualifying degree with any one of the following: (i) M.Tech./M.E. or equivalent degree in Civil Engineering in other branches of engineering relevant to the research areas in the department.

Research Areas:

- Artificial Intelligence and Data Analytics in Civil Engineering
- Structural Health Monitoring and Infrastructure Resilience
- GIS, Remote Sensing and Geospatial Applications
- Water Resources Engineering and Hydroinformatics
- BIM, Digital Twins and Smart Construction
- Sustainable Construction Materials and Circular Economy
- Environmental Engineering and Resource Recovery
- Construction Management and Infrastructure Risk Assessment
- Transportation Demand Modelling and Traffic Simulation

B.4 Electronics Engineering (Department of Electronic & Communication

Engineering) Eligibility for Admission:

First Class for General Category and 55% marks for Reserved Category, as specified in the General Eligibility Criterion, in the qualifying degree with any one of the following :
M.Tech./M.E. or equivalent degree in Electronics Engineering / Telecommunications Engineering/ Electronics & Telecommunications Engineering/ Electronics & Communications Engineering, Instrumentation Engineering, Control Systems Engineering, VLSI and Embedded Systems, Biomedical Engineering, Computer Science, Computer Science and Engineering, Electrical Engineering.

Research Areas:

- Wireless and Mobile Communication Engineering
- Digital Signal Processing and computer vision
- Microwaves, RF and Antennas
- Control Systems and Automotive Electronics
- Power Electronics and Power Systems
- Microelectronics
- Embedded Systems
- VLSI Design
- Internet of Things (IoT)

B.5 Physics (Department of Physics)**Eligibility for Admission:**

Eligibility: A candidate who has passed Master's degree in Physics or an allied field in Natural Sciences and/or M.Tech. with minimum 55% (or equivalent grade) marks. Students whose final results of Master's program are awaited can still apply if the total cumulative mark is 55% for the previous year. However, such students must produce proof of a minimum of 55% marks or an equivalent grade in M.Sc./M.Tech. before securing admission to the Ph.D. program, if qualified.

In addition to the above criteria, the candidate MUST qualify at least any ONE of the following:

- National Eligibility Test (NET) with VALID CSIR-JRF/UGC-JRF with valid score
- GATE /DST INSPIRE fellowship
- SGU PhD Entrance examination

Research Areas:

- Nanomaterials for Energy conversion and storage devices.
- Hydrophilic and hydrophobic coating for anticorrosion application.

B.6 Chemistry (Department of Chemistry)**Eligibility for Admission:**

A candidate who has passed Master's degree in Chemistry or an allied field in Natural Sciences and/or M.Tech. with minimum 55% (or equivalent grade) marks. Students whose final results of Master's program are awaited can still apply if the total cumulative mark is 55% for the previous year. However, such students must produce proof of a minimum of 55% marks or an equivalent grade in M.Sc./M.Tech. before securing admission to the Ph.D. program, if qualified.

In addition to the above criteria, the candidate MUST qualify at least any ONE of the following:

- National Eligibility Test (NET) with VALID CSIR-JRF/UGC-JRF
- GATE /DST INSPIRE fellowship
- SGU PhD Entrance examination

Research Areas:

Material Science, Heterogeneous catalysis, Hydrogen generation and environmental remediation, Organic Synthesis, Synthetic Chemistry, Green Chemistry, Fluorescent organic nanosensor, Carbon dots.

B.7 Pharmaceutical Sciences (School of Pharmaceutical Sciences)**Eligibility for Admission:**

Candidates seeking admission to the Ph.D. in Pharmacy shall have a Master's degree in Pharmacy from Pharmacy Council of India (PCI) approved institute, with at least 60% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a

point scale wherever grading system is followed) OR an equivalent degree from a foreign educational institution accredited by an Assessment and Accreditation Agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country for the purpose of assessing, accrediting or assuring quality and standards of educational institutions. A relaxation of 5% of marks, from 60% to 55%, or an equivalent relaxation of grade, shall be allowed for those belonging to reserved categories (SC/ST/VJNT/OBC/EWS) and/or Differently-abled candidates as per policies of the Government prescribed from time to time, or for those who had obtained their Master's degree prior to 19th September, 1991.

Research Areas:

Pharmaceutics, Bio-pharmaceutics, Pharmaceutical Quality Assurance, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmacology, Pharmacognosy etc. Aspiring Scholars are advised to write and present research proposals in these broad specialization areas of Pharmacy.

B.8 Management (Department of Management)**Eligibility for Admission:**

- Master's Degree: Candidates must have a Master's degree in Management (M.B. A.) or an allied discipline with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7- point scale (or an equivalent grade in a point scale wherever grading system is followed).
- Relaxation: A relaxation of 5% of marks, or an equivalent relaxation of grade, is allowed for candidates belonging to SC/ST/OBC (non-creamy layer)/differently-abled and other categories as per the decision of the UGC from time to time.

Research Areas:

- General Management
- Marketing Management
- Finance

B.9 English (Department of English)**Eligibility for Admission:**

First Class for General Category and 55% marks for Reserved Category, as specified in the General Eligibility Criterion, in the qualifying degree with any one of the following: (i) M. A. equivalent degree in English in other relevant to the research areas in the department.

Research Areas:

Indian English Literature, British Literature, Gender Studies, New Literatures in English,

Appendix C.1

Sponsorship Letter for Full-time Ph.D. Candidates (SW)

(To be typed on letterhead of the sponsoring organization)

To
The Registrar,
Sanjay Ghodawat University,
Kolhapur

Sub: Sponsoring of an Employee for Ph.D. programme

Dear Sir,

We hereby sponsor the candidature of Shri./ Smt./ Kum_____,
employed in our organization as _____ (designation) for joining his / her Ph.D.
Programme in _____ at your University as a full-time candidate.

He/ She is employee of our organization since_____. We shall bear the total expenses of his / her
studies. We shall fully relieve him/ her of his/ her duties in the organization during the entire period of
the Ph.D. programme, to enable him/ her to devote full time to his/ her studies in the University.

Signature and Seal of the Sponsoring Authority

=====

Appendix C.2

Employer's Letter for Ph.D. candidates joining on Study Leave (SF)

(To be typed on letterhead of the Institution)

To
The Registrar,
Sanjay Ghodawat University,
Kolhapur

Sub: Relieving an employee on Study Leave

Dear Sir,

We hereby relieve Shri./ Smt./ Kum. _____, employed in this Institute as _____ (designation) on _____ (full-pay/ half-pay/ no-pay) leave for joining Ph.D. programme at Sanjay Ghodawat University Kolhapur, for a period of _____ years (at least three years).

Signature of Head of the Institute and Seal of the Institution

=====

Appendix C.3

Sponsorship Certificate for Ph.D. External Registration (EX)

Name of the sponsoring organization: _____

_____ Address: _____

Present Designation of the applicant: _____

Present status of the applicant: _____

_____ (Permanent/Quasi
Permanent/Temporary)

Division where research work is proposed to be done: _____

Name of supervisor from the sponsoring organization: _____
(Bio-data of supervisor to be enclosed giving details of designation, qualification, research experience etc.)

Details of facilities relevant to the research problem which will be made available to the candidate by the organization.

Statement of proposed Co-supervisor (external)

If Shri / Kum. / Smt. _____ is registered for the doctorate degree, I agree to act as his/ her research Co-supervisor along with the research Supervisor from IIT Bombay.

Signature of proposed Co-supervisor (external)

If Shri. / Kum. / Smt. _____ is admitted to the Ph.D. programme, we shall allow him/ her to undergo the programme of studies at Sanjay Ghodawat University, Kolhapur.

Further, if Shri. / Kum. / Smt. _____ is admitted to the Ph.D. programme, we shall fully relieve him/her from normal duties to complete the course work requirement (and qualifier examination, if applicable) at Sanjay Ghodawat University, Kolhapur.

During the period of Doctoral programme, the candidate will be permitted to carry out his / her research work at our laboratories / organization and will be given the required facilities.

In case any intellectual property (IP) is created during the course of the doctorate degree / Ph.D. programme of Shri. / Kum. / Smt. _____, then, we hereby agree to enter into a MoU/Agreement with Sanjay Ghodawat University, Kolhapur. specifying the terms of ownership and management of such IP(s), before filing of IP application(s).

We also give our consent to _____ of our organization to be the Co supervisor (external) of the Ph.D. thesis, along with a faculty member of Sanjay Ghodawat University, Kolhapur, as the Supervisor.

Signature and Seal of the Sponsoring Authority

Appendix C.4

**No Objection Certificate from College/University for Ph.D. Applicant is
College Teacher**

(To be typed on letterhead of the College/University)

Dear Sir,

This is to certify that Shri./Smt./Kum. _____ (name) is an employee of our College/University since _____ (date) and is currently serving as _____ (designation).

Our College/University has no objection to his/her application in the _____ (department) to join the Ph.D. Programme at Sanjay Ghodawat University, Kolhapur, under College Teacher (CT) category.

Further, if selected, the College/University has 'No Objection' to allow Shri./Smt./Kum. _____ to undergo the programme of studies and also to fulfil the coursework requirements (and qualifier examination, if applicable) at Sanjay Ghodawat University, Kolhapur.

In case any intellectual property (IP) is created during the course of the doctorate degree / Ph.D. programme of Shri. / Kum. / Smt. _____, then, we hereby agree to enter into a MoU/Agreement with Sanjay Ghodawat University, Kolhapur, specifying the terms of ownership and management of such IP(s), before filing of IP application(s).

Signature & Seal of the Head of the College/University

[Bio-data of proposed Co-supervisor (external), which is optional, to be enclosed giving details of designation, qualification, research experience, etc.]

Appendix C.5

No Objection Certificate (NOC) from Principal Investigator (PI)

This is to certify that _____(name) has been working in Project
_____ from dt. _____.

The duration of the project is _____years. Appointment of _____(name) is for the
period of _____years. His / Her appointment is likely to be extended for the further period.

I have no objection if he / she register for Ph.D. Programme in _____(academic unit)
under Project Staff category.

Signature _____

Prof. _____

Principal Investigator: _____

Project Code : _____

Project Title : _____