

GEPEA UNIVERSITY



Name of the Program(s): - **PhD in IT (Information Technology),**
PhD in Computer Science, PhD in Information Systems & Technology,
Doctor of Philosophy (PhD) IT Sciences, Professional PhD, Professional
DSc (Doctor of Science), Professional DScIT, Doctoral Program in
Technology (DPT),

GEPEA PhD or DSc. in IT Mission Statement:

The mission of the GEPEA PhD or DSc in IT is to produce IT /Computer Engineering/ Information Technology career innovators, IT researchers, Computer Scientists and academics who can contribute to the good of the Global and Local community or society using current and future Information Systems and Technology concepts. In line with the GEPEA university mission, the PhD or DSc in IT program offers an opportunity for Information Systems and Technology professionals to refine and extend their knowledge and skill at an advanced level by treating IT as an ecosystem and encompasses multiple elements: IT human resources, IT industries and services, IT applications (interdisciplinary informatics) in government, business and finance, civil society, and Non-Governmental Organizations (NGOs), IT in various sectors (education, health, agriculture, etc.), digital policies and regulations, and digital leadership in institutions. Upon completion of a PhD or DSc in IT, qualified professionals will be able to take on faculty and research positions in academia, industry, and government agencies.

Admission Requirements: Candidates are recruited from all over the world via distance learning. You may apply if you have following skills & status:

a) Master of Science (MSc)/Master Degree or MPhil in Computer Science Engineering or IT (Information or Computer Technology)/Sciences or other compatible subjects. b) English Language Proficiency c) Able to communicate through Email and Internet Meetings. d) If you have high-level professional status, such as IT managers or IT executives or IT consultant or Engineer or Project Manager etc. with advanced degrees in Computer Science or Computer Technology or Engineering disciplines.

Expected Learning Outcomes:

PhD/DSc in IT/Computer Engineering / Computer Science Program

The GEPEA Doctor of Philosophy or DSc (Doctor of Science) in Computer Science program is designed to develop Computer Science leaders as vigorous professionals of a sustainable, ethical, social economic development of global society. The PhD in Computer Science students will acquire research capability to advance theory, knowledge and skills required in the society in relation to Computer Science. The Students in this program learn through interaction with the industry experts how to see the world from a real-life computing setup so as to achieve enterprise-level solutions that enable an organization's business processes to function.

At the end of the GEPEA PhD in IT program, a graduate of PhD in IT program should be able to:

- i. Apply Information Technology (IT) knowledge, skills, techniques and tools to create best-possible solutions to practical problems of varying complexity, in a wide range of contexts.
- ii. Facilitate the acquisition, adoption and adaptation of Information Technology (IT) best practices and audit knowledge, techniques and tools to improve organizations' performance.
- iii. Pursue careers in IT consultancy services, research & development, academics, and industry.



Program Structure: The Professional Doctorate of IT (Information Technology) or Computer Engineering, or DSc in IT program is divided into four stages:

Program Duration: 2.50 Years / 30 Months (*Full time studies*), or maximum of 5 years/ 60 months (*Part time Studies*).

Stage I: A) Training in Doctoral Research in Management Sciences

Philosophy, Methods and Tools (**Duration: 12 to 24 months i.e. 1 to 2 Years, part-time study**)

*During this **stage I**, ideally candidates will learn and train themselves in the areas of how to start and conduct his/her Professional PhD research, train themselves in Research Methodology/Methods of Research, Tools of Research, Preparing Questionnaires, Field work/Survey data gatherings/Data Collections, Research Framework, Literature Review, Discussion, Research Findings & Results, Recommendations, Future research scope in the respective fields and so on.*

Subjects will be thought: Research Methodology, Advanced Research Methods, Business Research Methods, Research Methods and Techniques, Qualitative Research, Research Design, Research Design (Qualitative and Quantitative Approaches), Questionnaire Design/Designing Quality Survey Questions, Survey Research Methods/Survey Methodology,

B) Subjects: Candidates have to select at least 3 subjects from below list(s) of core areas such as Courses Level 1 to Level 3: (**Duration: 6 Months to 12 months i.e. Half year to One Year, part-time study**)

Courses Level 1:

1. Information and Communications Technologies for Development
2. Qualitative and Quantitative Research Methods
3. Communication Technology
4. Software Engineering,

Courses Level 2:

1. Advances in Cloud Computing
2. Problem Solving Paradigms in Informatics
3. Computing Research Methods I
4. Advanced Topics in Cryptography and Blockchains
5. Research Seminar

Courses Level 3:

1. Information Systems Theories
2. Advances in Machine Learning
3. Advanced Statistical Techniques
4. Computing Research Methods II
5. Information Security Governance

Optional Subjects (Any additional subjects from below can be chosen for any of the above three core areas):

Data Science, Cybersecurity, Artificial Intelligence (AI), Networking, Human-Computer Interaction (HCI), Business Information Systems (BIS), Geographical Information Systems (GIS), Web Technologies and Cloud Computing, Computer Science, Information Systems.

Stage II: Thesis

(**Duration: 12 to 24 months i.e. 1 to 2 Years, part-time study**)

*During this **stage II**, ideally candidates will write and research their original research work based on their practical field work and studies in the concerned areas respectively. Here in this stage they'll get huge time for preparing their original Thesis through Innovations and Modern Management sciences.*

Stage III: Thesis Defense (Through Video Conference/Zoom/Skype etc.) or Physical conference (If conference can be arranged, its depend on situation and other issues).

(**Duration: 8 weeks to 24 weeks i.e. 2 to 3 months, part-time study will be allowed in order to prepare his/her to face their Thesis Defense officially**)

Stage IV: Result Announcement.

Professional PhDs in Information Technology: Several Research Topics

- Data analytics and web optimization. Semantic web optimization. Automated and domain-driving extraction.
- Blockchain technology. Lightweight blockchain design.
- Artificial intelligence. Biometrics analysis for cyber security.
- Machine learning. Multi-tasks and active learning.

- Real-time Analytics (RTA): For real-time processing and evaluation of big data, design efficient technologies.
- Many others.

Why GEPEA Professional PhD or DSc (Doctor of Science)?

The GEPEA Professional PhD or DSc enables students to:

- Understand state-of-the-art research in their fields of study;
- Acquire the necessary understanding and expertise in methods and techniques for research design, data collection, and data analysis;
- Conduct, write, and disseminate high quality professional Doctoral level research;
- Achieve a greater level of effectiveness as a professional practitioner in managing technology, innovation in Computer Sciences or Information Technology or Communication Engineering; and
- Gain legitimacy as International professional researchers and faculty members in both academic and non-academic environments.

COURSE MATERIAL

Besides using the traditional books GEPEA has also modernized the learning process by providing students with online portal consisting of –

- **Study Materials (Soft copies)** – PDF of books are provided to students making studies nomadic & convenient. GEPEA Department of Students Affairs will assign Study Materials via Email or other methods after registration and admission.
- The focal point of **GEPEA** study materials is enhancing Practical Education. **GEPEA** Kit provided to applicants is a world full of practical scenarios, explanation in terms of facts rather than theoretical phrases. Customized to be self-explanatory & easy to understand.
- **Faculty Guidance** – GEPEA panel of intellectuals guide students personally with regards to any query through email about any concept in the notes provided, being the author of the same.

EXAMINATION

GEPEA Professionals are given the privilege to answer exams from any examination center in the world along with the freedom to pick the exam schedule for the same, as time permits in the particular examination months of GEPEA. Students are allotted 2 modes of examinations – Home Based/Center Based.

- Question papers would be drafted by **GEPEA** panel of veteran professors which would be TMA (Tutor Mark Assignment), OBS (Open Book System) and MCQ study pattern. A single course will consist 100 marks based on these three pattern of exam types. In each program will consist a major (Thesis Research) course or theory in order to complete the respective Diploma Program.
- This unique & novel methodology teaches a student how to assess business situations and make decisions based upon those assessments, allowing students to display their potential.
- In case of home based/distance learning exams question paper would be emailed to the students, which they would have to answer & courier back to GEPEA office or GEPEA directed authority in the respectable exam slab.
- Candidate also has the option of appearing for Center Based Examination wherein they would have to visit one of the many GEPEA exam centers & complete answering the exam in the duration of 3 hours which wouldn't be an open book examination.

BENEFITS AND FETURES:

- (i) **Flexible Programs & Curriculum:** You can earn and study at the same time! From GEPEA International Curriculum, Flexibility is the biggest advantage of distance learning courses. This stands true especially if you are a working professional. Not everyone has the luxury of taking their own time to finish their studies. For those who had to take a break from studies to start working, such courses are a boon and provide the opportunity to pursue higher education.
- (ii) **Saves Time & Energy:** You save up a lot of time and energy on commuting. You can stay at any place and pursue a course that is available at GEPEA. Or you might be based out of a remote village or town which does not have enough options for higher studies. Distance learning courses eliminate these obstacles.
- (iii) **MCQ, Case Based Learning:** MCQ, A Case-based approach engages students in discussion of specific situations, typically real-world examples of Indian and International companies. Allowing the students to put their theoretical knowledge to practice.
- (iv) **Study at your own Pace:** Not everyone has the same pace of learning. Some students pick up things fast, others need time to grasp a concept. One of the biggest advantages of distance learning is that you can study at a pace that is comfortable for you.
- (v) **Saves Money:** These courses are almost always cheaper as compared to their on-campus counter-parts. You also cut down on the costs incurred while commuting etc.
- (vi) **Personal Fulfillment:** An PhD or DSc is the key to unlocking both a professionally and personally rewarding future. Education is the foundation upon which you can build lifelong business and personal achievements. The GEPEA PhD or DSc program is designed to enrich your personal life, as well as to keep you informed about a constantly changing industry.
- (vii) **Convenient:** You can submit your assignment with the click of a button or simply drop it off at a post-office! It's sometimes as simple as that!
- (viii) **24X7 Access to Study Material & fellow Students:** This is the best way to study if you are comfortable with internet and technology. You can access your study material online whenever you want and also clear doubts, exchange views and discuss with your virtual class-mates!
- (ix) **Study any Topic You Want:** Since you'd already have all your books/online study material with you, you can pick up any topic/chapter that interests you and tackle that first! This way your interest in the subject is sustained.
- (x) **Higher Level of Self-Confidence:** The knowledge gained through our Correspondence PhD or DSc program will enhance your effectiveness in your current position and help define your future career path. It will sharpen your skills in critical business areas, giving you the self-confidence you need to become a leader in your profession.
- (xi) **Specialization:** We provide more than 80 specializations which allow students to gain additional knowledge and background on specific business topics.

ACCREDITATIONS AND RECOGNITIONS:

IHEEM (UK), ITQSM, IEQAB, EIEAS, BQS Accredited & International Partnered Professional Academies.

GEPEA has proudly claimed the Excellence in Online Distance Learning Award presented by its Governing Body Really Matters as a token of appreciation for providing top notch education to professionals globally. This solely proclaims that GEPEA is one of the best Professional Academy in the field of online distance learning.

PROFESSIONAL FACULTIES:

GEPEA Faculty members are highly professional, qualified & experienced. Professors provide substantial assistance through 24*7 web support. Each & every query regarding studies, assignments, cases, projects, research are resolved on time & responded with clear, relevant answers on par with syllabus. They update themselves from time to time about the changing market scenario & syllabus. Thus working professionals have chance to get resourceful information by interacting with professors through web-support from time to time. Timely communication & assistance is key to our successful association with our students & our professors believe in same.

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*In case any query, please feel free to contact us via E-Mail:
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www.gepea.eu or www.gepea.education