

# Blueprint of the PhD Research (First Two Chapters)

## Introduction

- From Room Size Devices to the Artificial Intelligence
- Boost for Sciences
- Interdisciplinary Way
- It All Started There – Game Industry
- Rising of Digital Humanities
- New Approach – Digital History
- Revealing Ancient History – Digitalized Civilizations
- History and Archaeology of Egypt – Cornerstone to “Decode Giza”
- Digital Reborn of Giza Plateau

## Long History of the Giza Plateau

- Stonemasonry in the Desert
  - Stone Colossuses of the Pharaohs
  - Massive Project in the Desert
- From Supply Ramps to the Harbor
  - Workflow
  - Supportive Buildings for the Workers
- Little bit about Geology
  - Formations
  - Sandy Areas
- Early Period of the Pyramids
  - Early Pyramid – Djoser’s Pyramid
  - Later Development – Bent Pyramid and Red Pyramid
- Building Process
  - Different Theories
  - Who were the Builders?
- End of the Pyramids Era
  - From King Unas to the Pepy II
  - Middle Kingdom Pyramids
- Thoughts of Historians
  - Early Writings – Herodotus
  - Later Writings – Diodorus, Strabo and Pliny
- Herodotus Writings and Road to Egypt

- Claims about Building Process
- Travel Across the Egypt
- Pyramids – Ancient Monuments in Roman Time
  - Strabo's Visit to the Egypt
  - Early Christianity Era
- Joseph's Granary
  - Myth or Reality
  - Proves and Facts
- Early Middle Age Caliphates
  - Stories and Legends
  - Studies and Tales
- Napoleon Coming to the Egypt
  - Napoleon's Expedition
  - Napoleon Inside the Great Pyramid – Myth or Reality
- Adventures to Egypt in XIX and at the Start of XX Century
  - Early Egyptology
  - Scientists, Illustrators and Mapping the Pyramids
- Giza Plateau Mapping Project
  - Geology and Topography
  - Function of the Pyramids
- ScanPyramids Project
  - Technology and History
  - Internal Structure of the Pyramids