



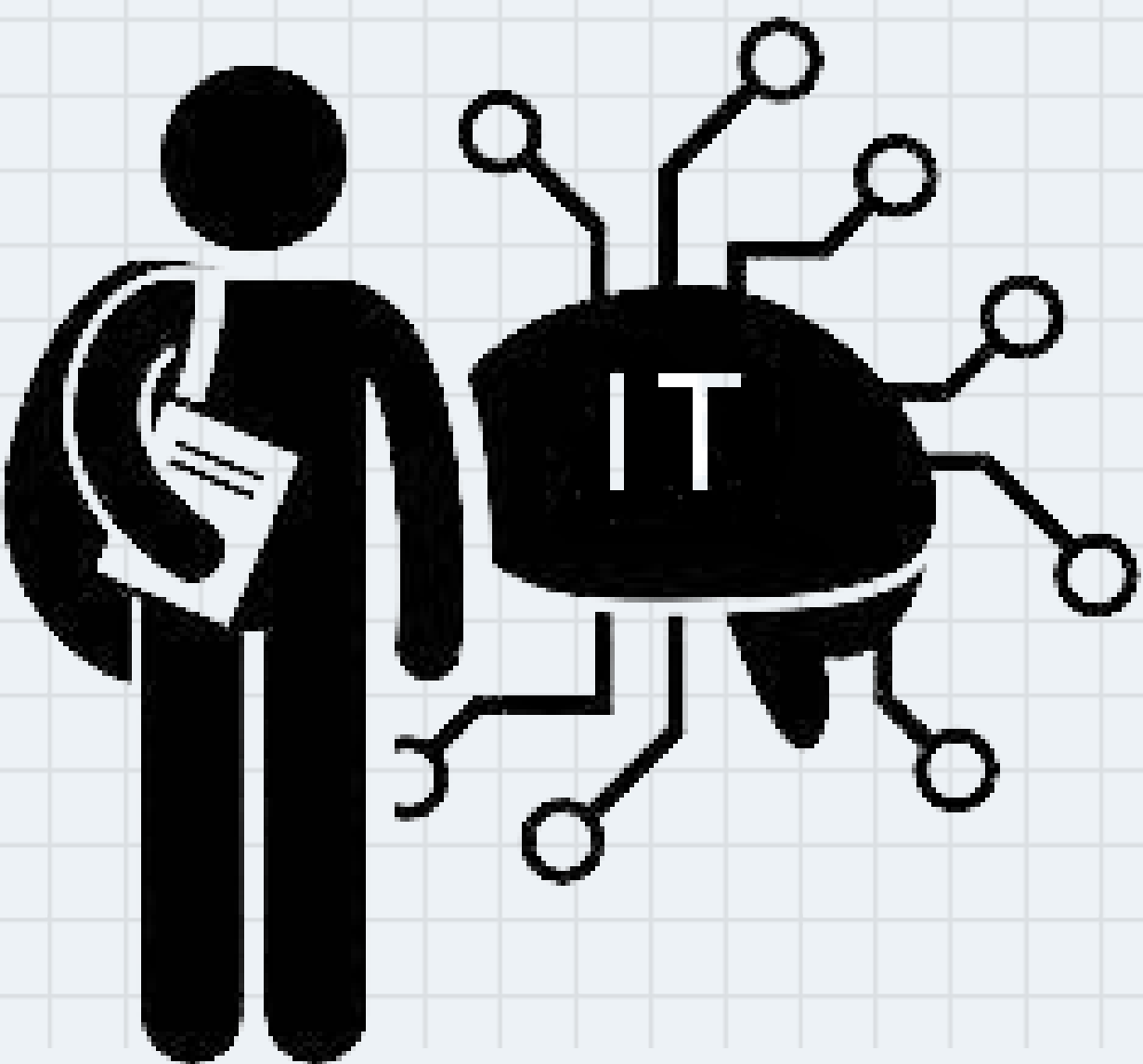
**2 YEARS POST GRADUATE PROGRAMME**

**MASTER OF SCIENCE -  
INFORMATION TECHNOLOGY  
(M.Sc. IT)**

*offered by*

**NAGINDAS KHANDWALA COLLEGE**

**Autonomous | Affiliated to University of Mumbai**



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**“Let’s go invent tomorrow instead of worrying about what happened yesterday.”**

**- STEVE JOBS**

# ABOUT COLLEGE

- Provides **16+ Under Graduate Programme, 7+ Post Graduate Programme and 3 Ph.D. Programme.**
- Ranked **12th at all India level** by Education World Magazine in 2020-2021.
- Ranked **5th at Maharashtra level** by Education World Magazine in 2019-2020 and 2020-2021.
- Ranked **First** among India's Top 10 private higher education institutions for '**BEST MANAGEMENT PRACTICES & SYSTEMS**' in the Education World India Higher Education Grand Jury Award 2020-21.
- Ranked **33rd at all India level** by Education World Magazine in 2019-2020.
- **Best College Award** for Quality in Education by Indo Global Chamber of Commerce.
- **Best Educational Quality Enhancement Team** President Award, 2013.
- **I.M.C. Ramkrishna Bajaj National Quality Commendation Certificate**, 2013.
- **Educational Excellence Award** by Indus Foundation, U.S.A.
- **Best College Award** 2012 by University of Mumbai.
- Received **Autonomous** Status in 2016-17.
- Re-Accredited by NAAC in 3rd Cycle with **A Grade.**
- **ISO 9001:2015 Certified**



**Dr. Mrs. Ancy Jose**  
**Principal**

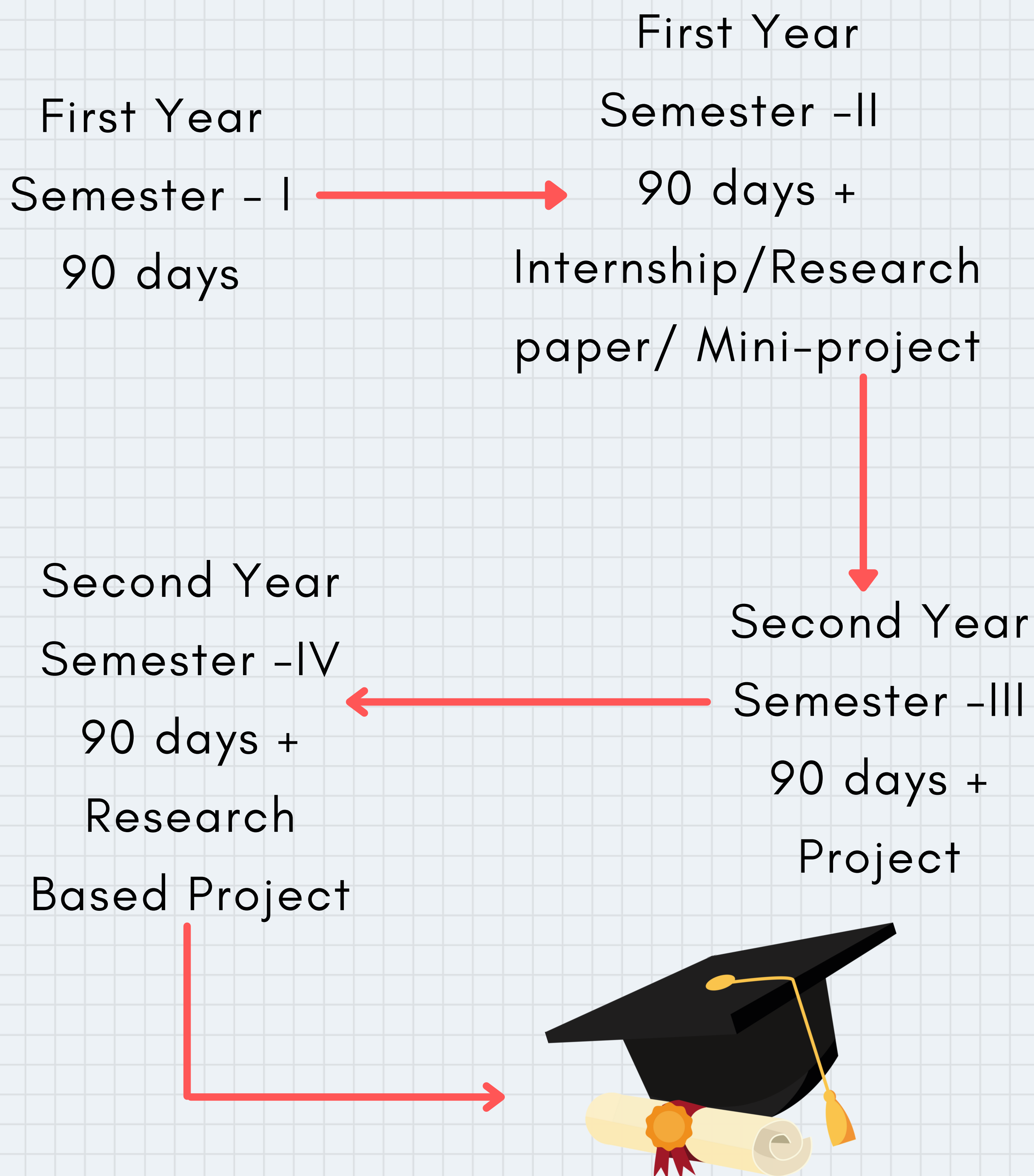
# ABOUT PROGRAMME

- M.Sc. IT is a **2 year Post Graduate Programme** consisting of **4 Semesters**.
- Programme curriculum is **INDUSTRY ORIENTED**.
- Students get to learn through **practical/project based approach**.
- Students are provided with variety of **Elective** subjects to choose from **Semester 1**.
- Students are provided with **Career guidance and Placement training**.
- Opportunity to do **Internship/research based projects**.
- Learn from **Experienced Team of Faculties**.
- This programme at Nagindas Khandwala College promotes **holistic development of students**.



**Dr. Sindhu P.M.**  
**Programme Coordinator**

# LEARNING PATH



# PROGRAMME CURRICULUM

## SEMESTER I

1. Research in Computing
2. Machine Learning
  - **DSE-1(Any 1 of 2):**
3. DSE-1: Foundations of Data Science
4. DSE-1: Distributed Systems
  - **DSE-2(Any 1 of 2):**
5. DSE-2: Cyber and Information Security
6. DSE-2: Analysis of Algorithms

## SEMESTER II

1. Internship/ Research paper / mini-project
2. Soft Computing
  - **DSE-3(Any 1 of 2):**
3. DSE-3: Foundations of Big Data
4. DSE-3: Cloud Computing
  - **DSE-4(Any 1 of 2):**
5. DSE-4: Computer Forensic
6. DSE-4: Optimization Techniques

## SEMESTER III

1. Artificial Intelligence
2. Entrepreneurship and Ethics in IT
  - **DSE 5 and 6(Any 2 of 4):**
3. Engineering Blockchain Applications
4. Ethical Hacking Offensive Penetration Testing - 1
5. Image Processing
6. Mastering Microservices with Python, Flask, and Docker
7. Project

## SEMESTER IV

1. Introduction to Deep Learning
  - **DSE 7 and 8(Any 2 of 4):**
2. Developing Blockchain-Based Identity Applications
3. Ethical Hacking Offensive Penetration Testing - 2
4. Advanced Image Processing
5. Advanced Linux System Administration
6. Project

# PROGRAMME DETAILS

**Duration:**

**2 YEARS**

**Eligibility:**

**B.Sc./ B.Tech./B.E./B.C.A. with minimum 50% marks or equivalent from any recognized University. Admission will be on merit basis.**

Programme Coordinator: **Dr. Sindhu P.M.**



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