

**2 YEARS CERTIFICATE**  
**IN SOFTWARE ENGINEERING AND**  
**ARTIFICIAL INTELLIGENCE**

EXAMINED BY UBTEB UBB239.



PRACTICALLY ALL

WHERE IT IS ALL BEGIN

**RELEVANT EDUCATION**

Entebbe Campus & Hostel: Bugiri- Bukasa, Kawuku Parish Wakiso District, Bwerenga Rd., Next To Pioneer Primary School.

Kampala Campus :Plot #887, Block-4, Bakuli, Mengo, Namirembe Rd., Opp. Victorious Primary School.

For inquiries,

call+256 771 822 430 / +256 757 300 379



## PRACTICAL IDEAS FOR REAL EDUCATION.

The name 'software engineering' was proposed in 1969 at a NATO conference to discuss software development problems— large software systems were late, did not deliver the functionality needed by their users, cost more than expected, and were unreliable. Progress in software engineering has been remarkable since then. Our societies could not function without large, professional software systems. National utilities and infrastructure—energy, communications, and transport—all rely on complex and mostly reliable computer systems. Software has allowed us to explore space and to create the World Wide Web, the most significant information system in the history of mankind. Humanity is now faced with a new set of challenges—climate change and extreme weather, declining natural resources, an increasing world population to be fed and housed, international terrorism, and the need to help elderly people lead satisfying and fulfilled lives. We need new technologies to help us address these problems and, for sure, software will play a central role in these technologies. Software engineering is, therefore, a critically important technology for the future of mankind.

Certificate program are widely accepted by Higher Education Institutions as an entry bridging component in order to assist prospective students, who do not have 'A' level, or did not reach the requisite grades at 'A' level. The foundation program will bring bridge the gap between school & university .

## THIS PROGRAM IS FOR YOU IF:

### **If You want to have career opportunities.**

Studying software engineering can lead to numerous career opportunities in the technology industry. The demand for software engineers is high, and it is a field that offers a wide range of job prospects and competitive salaries 2.

### **If You want to have problem-solving skills.**

Software engineering involves solving complex problems through logical thinking and analytical skills. By studying software engineering in high school, you can develop critical thinking abilities and enhance your problem-solving skills, which are valuable in various aspects of life

### **If You want to be creative and innovative.**

Software engineering provides a platform to unleash your creativity and innovate. You will have the opportunity to design new software applications, develop innovative solutions, and contribute to technological advancements. It is a field that encourages continuous learning and exploration .

### **If you want to be irreplaceable.**

In today's digital age, technology permeates every aspect of our lives. Studying software engineering equips you with the knowledge and skills to understand and navigate this technology-driven world. It empowers you to be a part of the digital transformation happening across industries

### **If your choice is a certificate In Software Engineering at Sai Pali Institute:**

It's important to note that the decision to study the certificate in software engineering should be based on your personal interests and goals. It's a field that requires dedication and continuous learning, but it can be incredibly rewarding for those passionate about technology and problem-solving.

**If you have a great interest in computer science, web designing, computer languages, mathematics , coding, solving problems and creating solutions, then Certificate in Software Engineering is your right choice.**

# 2 YEARS CERTIFICATE IN SOFTWARE ENGINEERING



## 2 YEARS PROGRAM, 4 SEMESTERS

### What will i learn?

- Web Designing
- Database Programming
- Programming in Python
- Computer Hardware
- Fundamentals in Programming of JAVA
- Basic of Networking
- Mobile Application Development
- Introduction to Linux

### What comes after the certificate?

#### LEADING TO:

- JAVA DEVELOPER.
- MOBILE APPLICATION DEVELOPER.
- SOFTWARE DEVELOPER.
- SOFTWARE ENGINEER.
- VIDEO GAME DESIGNER.
- COMPUTER SYSTEMS ANALYST.

### CAREER OPTIONS :

With the increasing demand for technology professionals, the job outlook in this field is relatively good. Keep in mind that the certificate in software engineering is a great start, but you may need to continue learning and developing your skills throughout your career to stay current with the latest technologies and trends.

Since more business sectors are becoming more software application dependent, the market is even wider than it was a few years back. However, To progress as a professional nowadays, it's more important to have exposure to multiple sides of the software development life cycle.

## **SAI PALI INSTITUTE OF TECHNOLOGY & MANAGEMENT.**

Founded back in 2013, we are an IT training Institute with two campuses in Kampala and Entebbe. The Institute is accredited by NCHE (National Council of Higher Education Uganda), registered with Ministry Of education Uganda, and is the only complete practical-based IT curriculum campus in Uganda. Equipped with World Class Facilities and able teachers with vast industrial experience.

Sai Pali Institute of Technology & Management (SITM) is committed to becoming one of the Africa's leading universities with an acknowledged reputation for excellence in fulfilling the supply of Industry demand. With its industry-based teaching standards, highly experienced faculty with IT industry exposure, and practical & Job Oriented academic programs, SITM intends to set a new benchmark in the Ugandan education system.



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