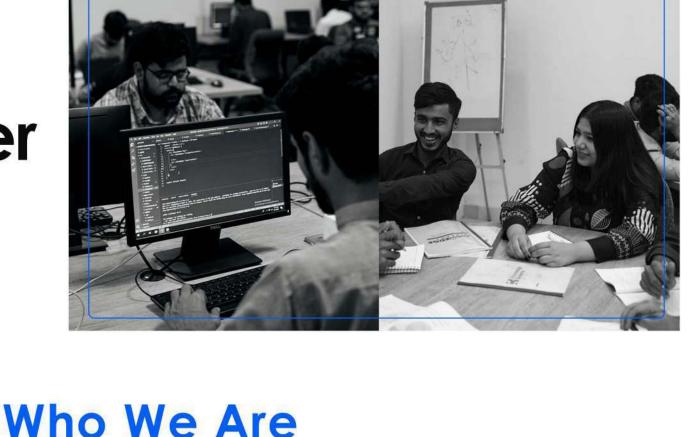


Launch your career here



university graduates meet the needs of the IT industry, globally. Two-third of the training program is focused on upskilling of capabilities in technical areas in demand by the industry, while **one-third** of the program is focused on soft-skills development

We provide technical and soft skills training through an immersive bootcamp to help

that addresses communications, emotional intelligence, personal leadership, teamwork and ethics. We take trainees on a journey to discover who they already are; building confidence of this talent, polishing it to address industry needs with the knowledge and tools they acquire. **Our Vision**

To become the provider of choice of trained professionals for the IT industry in Pakistan. Knowledge Streams aims to bridge the talent – employment gap in the IT sector at scale, with speed, and quality, exceeding international standards.

Who Can Join

All CS/IT Graduates are eligible to apply. Graduates from associated fields such as engineering, statistics, economics etc. having a basic background in computer sciences and knowledge of 1) a programming language, 2) data structures and 3) software engineering, can also apply

12 weeks immersive face-to-face programs: 30 hours a week. Morning and



Trainees expected to follow norms of appearance, manners, interactions, as expected in a

IMMERSIVE LEARNING

BY DOING

Technical sessions with

corporate facility. Final capstone project, chosen in consultation with industry

NETWORKING AND MENTORING:

technical and culture fit interviews

JOB PREPARATION:

different IT

Modules-2 (Technical Stream): Builds technical skills in a specific area, such as MERN, .NET, Python/DJANGO, etc.



of LUMS wherehe had spearheaded the

ranked research universities of the country.

Prior to LUMS he was the Executive Director

oversaw implementation of an ambitious

awarded the Sitar-e-Imtiaz by the Govt of

AVP Learning & Development

projects in legal, financial, & education

domains. Beginning her career in 2007 at

Techlogix, Komal refined her expertise in

management. Her critical thinking skills &

commitment to precision & excellence have

been essential in solving complex problems

and delivering successful projects. Komal's

reflected in her implementation of training

programs, where she aims to foster individual

passion for growth and development is

Training and Skills development before

Komal is an experienced professional with

Pakistan for his services to higher education

transition of this prestigious, primarily undergraduate, institution into the top

of the HEC for eight years, where he

portfolio of programs. In 2016 he was

Outcomes

High quality, trained manpower for the IT industry allowing the sector to significantly expand its local

Professor Dr. Naveed A. Malik Senior Advisor Dr. Naveed Malik is Senior Advisor at Knowledge Streams, having joined it on the day that it was established. Prior to that he was the founding Rector of the Virtual University of Pakistan where he served from 2001-2019. Dr. Malik obtained his Doctor of

Science degree from M.I.T. in the field of

specializing in Digital Signal Processing. He is a life member of the Pakistan Institute

of Physics and in 2008 was conferred the

Pakistan Civil Award of Sitara-e-Imtiaz for

title of Honorary Fellow by the

Commonwealth of Learning in 2016.

services to education. He was awarded the

Electrical Engineering & Computer Science

& in 2022 he was awarded the "Best of Education" award by the Ministry of Education & Science of the Kyrgyz Republic. In 2022 he was also given the lifetime achievement award by the Pakistan **Engineering Council.**



MERN

MEAN

React

Node.js

Angular

▶ .NET

PHP

and organizational growth.

Komal Masood



development.

social networks, online fraud & cybercrime

and his previous work looked at enabling

public sector reform through technology

and the use of information and communication technologies for



MERN

■ Introduction to React ■ Redux React Props and State ■Connecting Redux with React Forms and Hooks Advanced topics in React

Learn the fundamentals of React development with this comprehensive course. By course end, you'll have the skills to build robust, scalable, and interactive web applications

- Node.js
- **Angular**

Introduction to Angular

Error handling & Services

Angular Components

Python Overview

Django Models

Introduction to Django

Django Forms and Views

Routing

Introduction to Node.js &

Node.js Modules &

JavaScript runtime environment

Working with Databases in Node.js

Building Web Applications with Express

Asynchronous Programming

- This course imparts expertise in creating dynamic web applications using Python programming language and Django web framework.
- desktop applications using C#, ASP.NET, and Visual Studio. ■ SQL & Entity Framework Introduction to .NET Core And C#

Java Spring

This course will equip with expertise in developing robust and scalable

This course covers fundamentals like variables, data types, and control structures, as well as creating dynamic web apps with HTML forms,

cookies, and sessions. PHP Basics Arrays, Functions, Strings

& Web Fundamentals

Statistical Analysis

Object-Oriented Programming

- Artificial Intelligence:Machine Learning This course provides a comprehensive introduction to artificial intelligence and machine learning, covering their history, features, and

Introduction & Setup

Supervised Learning

Concepts & Basic Models

Networking Fundamentals for Web Applications Web Application Architecture

- This course is developed to teach the fundamentals of building web and

& Exception Handling

Dependency Injection, Logging

Django Templates

Django Authentication Django REST Framework

Django Deployment

PHP

Advanced Web Development Concepts

Authentication & User Management

Databases & SQL PHP Frameworks

Unsupervised Learning

RNNs

■ Neural Networks & CNNs

■Web Application Penetration Testing Fixing Web Application Vulnerabilities

Machine Learning Basics

This introductory-level course provides foundational knowledge and skills in cybersecurity and web application security.

Our Cost Structure

The Boot-Camp INDUSTRY DRIVEN SOFT-SKILLS LEARNING CURRICULUM Through experiential learning, participants realize their potential and develop their competence to evening sessions take on professional responsibilities. Module-1 (Software **Engineering Fundamentals):** Focus on communication, Builds a common baseline personal leadership, ethics, among those coming from emotional intelligence and teamwork. backgrounds/programs.

held at Knowledge Streams campus. Trainees are guided on building their brand through resume and LinkedIn profiles while preparing them for

and global presence, while providing opportunities for the talented youth to develop and prosper. q-p

Python & Django Java Spring Data Sciences: Machine Learning Artificial Intelligence: Machine Learning Cyber Security

HTML, CSS, & JavaScript Basics

■ React Components & Lifecycle Methods

Introduction to React

React Router and Redux

Introduction to MEAN stack

MongoDB and RESTful APIs

Express Framework

Angular Framework

■ React Router



Introduction to Node.js

Node.js with Express

Advanced Database

This course provides a comprehensive curriculum on the popular web application framework developed by Google.

Java Spring

Object-Oriented Programming in .NET

■ ASP.NET MVC + JQuery HTTP Requests and AJAX

Introduction to Data Science Data Wrangling with Python Data Visualization with Tableau Advanced Data Visualization with Tableau Advanced Machine Learning Techniques

Data Science: Machine Learning

This course provides a comprehensive introduction to the field, covering statistical concepts, programming languages, data analysis, data visualization, predictive modeling, and deep learning.

- Cyber Security

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157-M, Madar-e-Millat Road,, Quaid e Azam Industrial Estate, Lahore, Punjab PK

www.knowledge.tech

Added Benefits Trainees have the opportunity to connect directly with Industry leaders and employers at networking events

- Dr. M. Fareed Zaffar Advisor Dr. Fareed is Advisor at Knowledge Streams during his sabbatical from LUMS, expertise in managing large-scale & complex where he is an Associate Professor of Computer Science. He received his Ph.D. in Computer Science from Duke University in 2005 and the BSc. (Hons) degree from transitioning to business analysis and project LUMS with a major in Computer Science and minor in Mathematics in 1999. His primary research interests are in the areas of security, privacy and Internet measurement. His recent work focuses on

- Advanced Angular Concepts Authentication and Authorization Deployment and Optimization React
- This course offers a comprehensive understanding of server-side JavaScript development. It covers core concepts such as building web applications with Node.js and Express, working with databases, and creating RESTful APIs.

Deployment and Performance

Optimization & Deployment

Optimization in Node.js

Java Spring

Forms

Material UI

Authentication & Authorization in Node.js

■ Real-time Communication with Socket.io

Deployment & Performance Optimization

Python & Django

- enterprise-level applications using the highly popular Spring framework. Java Basics MVC Arrays & OOP Database Connection Authentication ■ File Handling & Data Structures

applications.

- Introduction to Cybersecurity ■ Web Application Scanning & Enumeration Web Application Security ■Web Application Vulnerability Assessment
 - What Course will your life take?
- The training fee for the bootcamp is Rs. 90,000, payable in two installments. **Bootcamp Launch Date** Knowledge Streams full program launches on June 5, 2023