"Get Ready for tomorrow. Today"

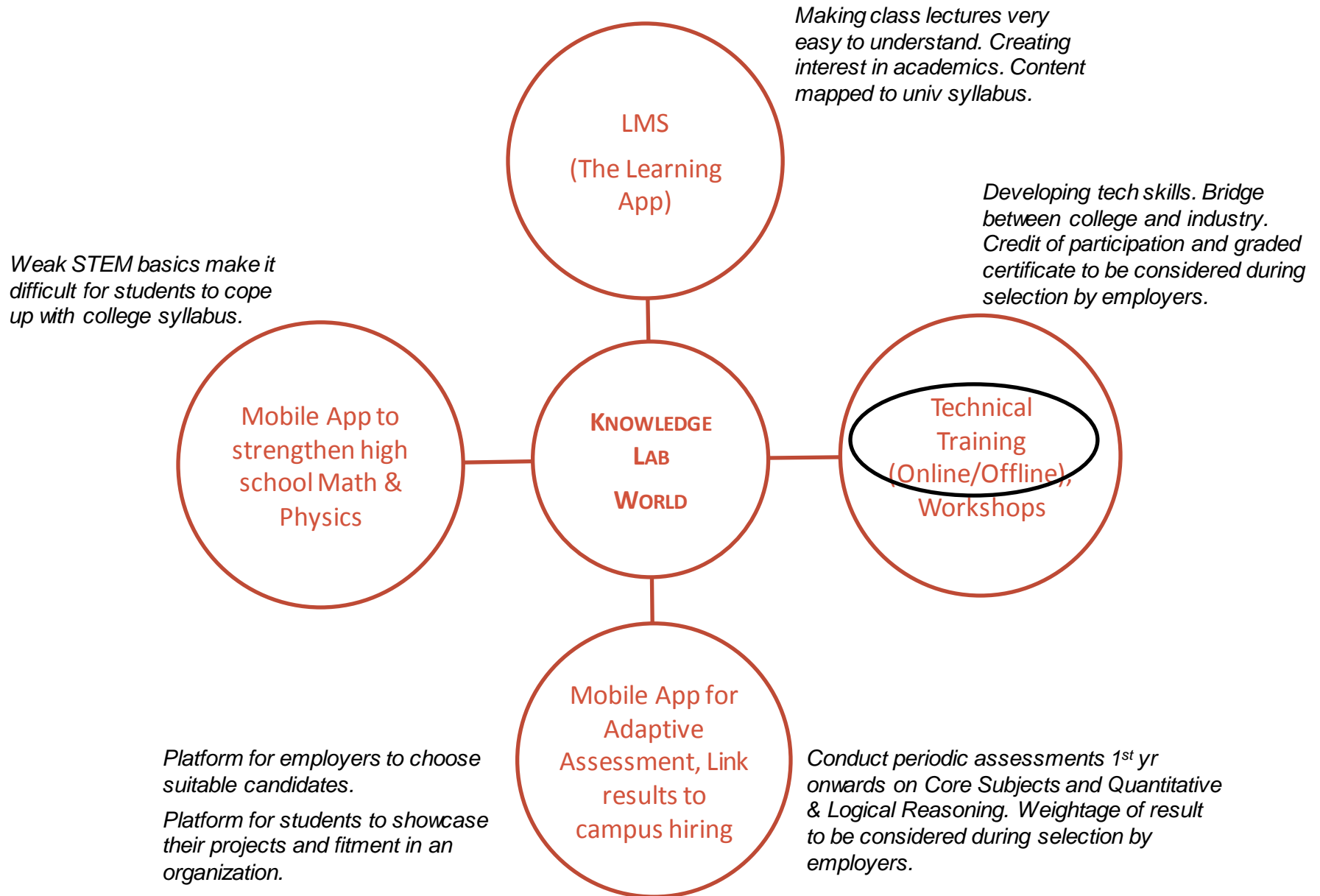Discover joy of engineering. Apply your knowledge.

knowledgelab ^{SM}

Incubated @ STEP IIT (Kgp)

Welcome to the students of
Haldia Institute of Technology
to the *Big Data Training Program*

LEARNING ECOSYSTEM

LMS
(The Learning App)

Making class lectures very easy to understand. Creating interest in academics. Content mapped to univ syllabus.

Developing tech skills. Bridge between college and industry. Credit of participation and graded certificate to be considered during selection by employers.

Weak STEM basics make it difficult for students to cope up with college syllabus.

Mobile App to strengthen high school Math & Physics

KNOWLEDGE LAB WORLD

Technical Training (Online/Offline), Workshops

Mobile App for Adaptive Assessment, Link results to campus hiring

Platform for employers to choose suitable candidates.

Platform for students to showcase their projects and fitment in an organization.

Conduct periodic assessments 1st yr onwards on Core Subjects and Quantitative & Logical Reasoning. Weightage of result to be considered during selection by employers.

Meet your Guru

Amrit Chhetri

Training Areas

BigData, Python, Hadoop

Data Analysis with SPSS

Smart Office and E-data Management

Penetration Testing with Python

Android App Development

Ethical Hacking and Cyber Forensics

Recently completed training on Big Data at SMIT

Notable Achievements

Designed Business Analytics for LG

Designed BI System for GE Healthcare, HSBC

Best practices of BI System for Keane, Disney

Solaris Penetration Testing

Certified Android Developer

Certified Information Security Specialist

Certified Penetration Tester

Author: Computer Forensics Practical Guide - Investigating Computer Attacks

Detailed Profile

Let's get to know each other

SAMIRUL ISLAM	AKHILESH KUMAR
MANISH KUMAR	DEEPU MUKHARJEE
PRATIK GAURAV	MITRAJIT DAS
GANGESH RAJ	KRISHNA KESHAV
INDRAJEET KUMAR	AKRAMUL MOLLAH
ABHIJEET KUMAR	HIMANSHU TANDASI
KULDEEP	ARCHITA SARKAR
MRITYUNJAY KUMAR	CHANDAN KUMAR
NANDAN KUMAR SINGH	AVINASH KUMAR
MIKMA TAMANG	MD SHAMSHAD
MD WASI AHMED ANSARI	SAURAV KUMAR JHA
RAHUL KUMAR	SHRUTI PRIYA
DEEPAK KUMAR PANDEY	SUMIT KUMAR AGARWAL
DEEP KUMAR MISHRA	KUMAR GAURAV
SALMA ANSARI	UTTAM KUMAR
ADITTA KUMAR	HIMANSHU SRIVASTAVA

Every 2 days we create as much information as we did from the beginning of time until 2003.

Over 90% of all the data in the world was created in the past 2 years.

Every minute we send 204 million emails, generate 1.8 million FB likes, send 278,000 tweets & upload 200,000 photos to FB.

Google processes on average 40,000 search queries per second, making it over 3.5 billion in a single day.

Around 100 hours of video are uploaded to YouTube every minute. It would take 15 years to watch every video uploaded in 1 day.

570 new websites spring into existence every minute.

1.9 million IT jobs have been created to carry out big data projects.

Amount of data transferred over mobile networks increased to 1.5 billion GB. Video is 53% of that total.

Value of Hadoop market shall soar from $2 billion today to $50 billion by 2020.

Boom of Internet of Things means that the number of devices connected to the internet will rise from 13 billion today to 50 billion in 2020.

Analysis of Big Data is required everywhere. Healthcare, crime, retail, space, oil & gas, telecom...

How do you…

Man...
Varie...
Da...
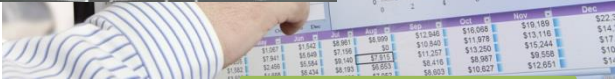
BIG DATA?

Analyze

Big Data using Hadoop, Hive, Hbase, Pig & Spark

Python Programming Fundamentals

Python Database Programming

Python Web Data Programming

Python File Handing

Introduction to BigData

Hadoop Introduction

Hadoop File System- HDFS

Introduction to MapReduce

Working with HDFS

BigData Programming Platforms

Hive- Metadata Services

Pig- BigData Scripting

HBase- Data Warehouse System

Spark- In-Memory Analytics

Python Programming for Data Analytics

BigData Security and Administration

BigData Advanced Analytics

Project Allocation and Monitoring

Learning Outcomes

Understand the Role of BigData and BigData Analytics in today's world

Acquire knowledge to design and develop BigData Solution

Differentiate Real-Time Querying and Historical Data Analysis

Generate visualization for BigData using Python, Java, Scala, Spark and BIRT

Ability to understand and work with advanced data processing – Deep Learning, Machine Learning, AI

What are your expectations from the program?

Class Rules

Are you adults?

Or, are you children?

Class Rules

Training dates: 5 Jul to 22 Jul, 2016

Training days: Mon to Sat

Timing: 10.00 am to 2.00 pm

Break: 12.00 pm for 10 minutes

Attendance shall be taken at 10.20 am and 12.30 pm

90% attendance compulsory

Well groomed and smartly dressed in the classroom

Mobiles silent/switched off and on the table in front of you

Misbehaviour with your teacher or other students shall lead to disciplinary action

Project Evaluation Guidelines

Your project shall be evaluated on the last day of the training

QUIZ (3)   **6 + 12 + 12**   **30 marks**

PRESENTATION   **10 + 15**   **25 marks**
- Time duration is 15 minutes, including Q&A by panelists
- Marks shall be given on you confidence, ability to explain the project, response to questions by panelists and your communication skills
- Clarity, Coding Standard & Innovation

DOCUMENTATION – SRS, FDS   **25 marks**
- Format: Aesthetics & layout, same font and size on all pages (except codes), new topic from new page, etc
- Flowcharts, Screenshots of data, application with proper headings
- Correctness of data, especially technical details
- Cover page must have the name of the project, your name, stream and roll no

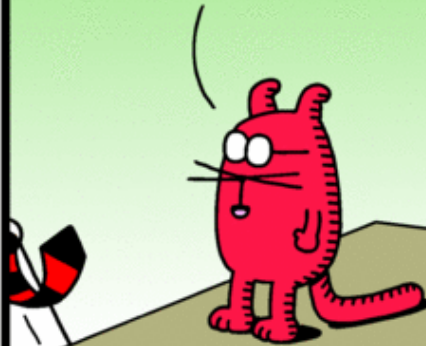**ATTENDANCE**   **10 marks**

GROOMING & BEHAVIOUR   **10 marks**
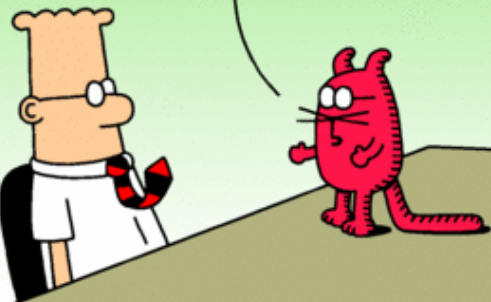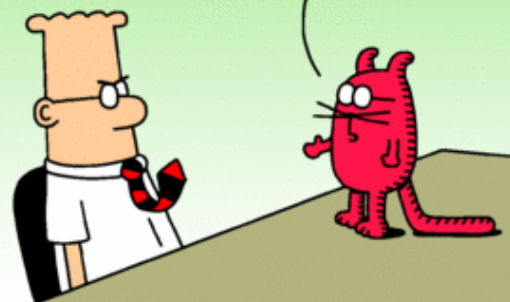
Good Luck

Contact Us

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Please watch App demo at
www.knowledgelab.co.in

For Trainer

Get venue details from HIT

- Make learning fun.

- Use humor.

- Good clean format of slides

- Encourage participation.

- Build self-esteem of the participants

- Start simple, ensure your delegates are comfortable and then logically build up to the more complex stuff.

- Have team building game

- Summarize each session. Start next session with a recap

- Form groups…give a name to each group

- Take a picture of the whole class…then groups