What's About to Come?

How to prepare yourself!

HELLO !!

I am Atanu Shome

Assistant Professor,

CSE Discipline,

Khulna University

https://atanu.live

Welcome to Computer Science and Engineering (CSE)

```
>>> print("Hello World!")
Hello World!
>>>
```

Outline

- ✓ Intro to CSE
- ✓ Challenges
  - ➢ Solution
- ✓ KU CSE Family
- ✓ KU Culture
- ✓ Engineering Lifestyle

Why bother studying CSE

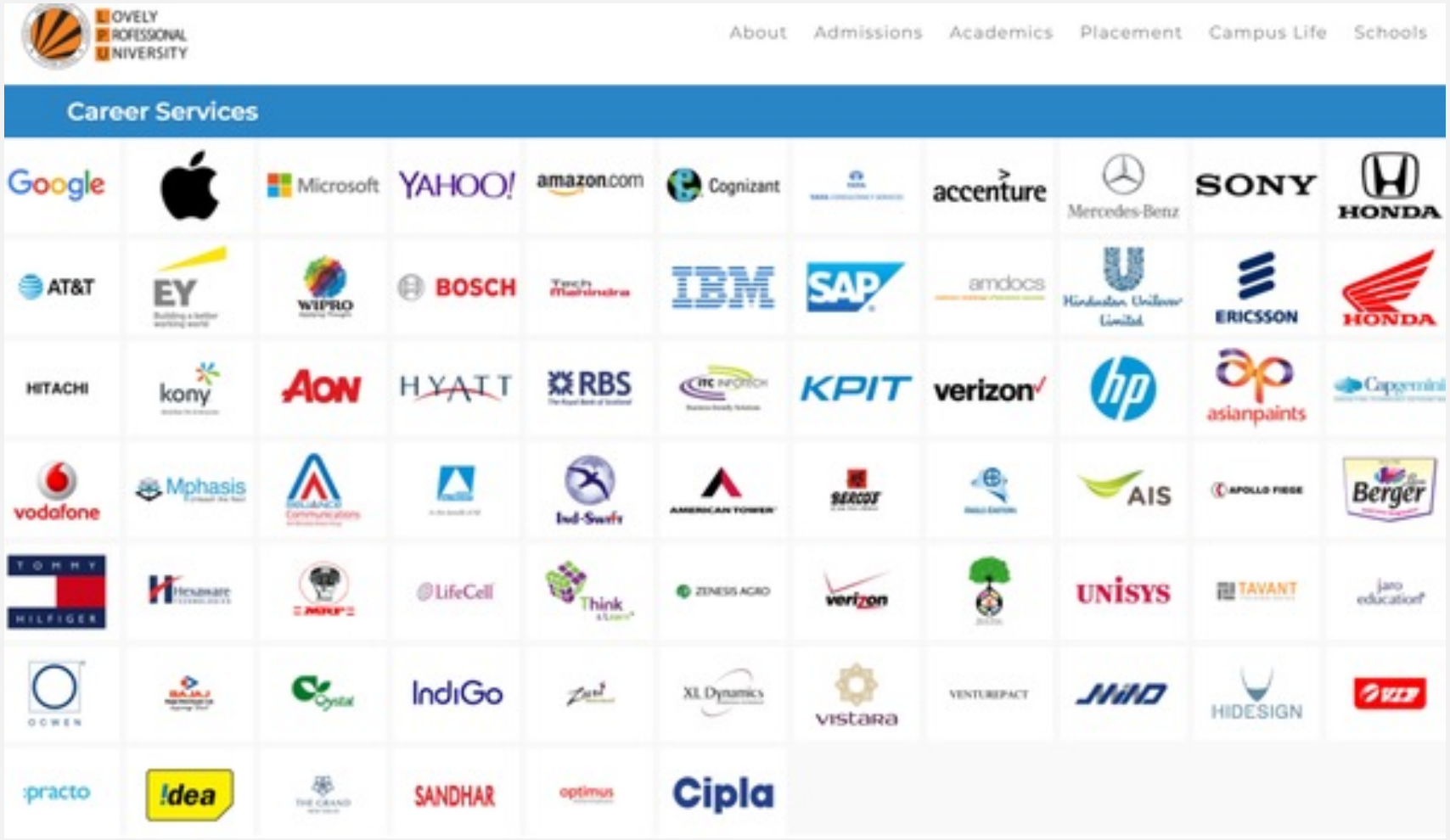
“If you throw a stone it will either fall on a CSE student or on top of a BBA student”

Everything that is trendy in today's world, is the *gift* of Computer Science and Engineering

Career

- You can get almost all types of job from here
- Programmer, Software Engineering, Network Infrastructure, Hardware Manufacturer, Website designer, Ethical Hacker, Banks, Any IT job, Government Jobs…….

Big Shots


LOVELY PROFESSIONAL UNIVERSITY
About
Admissions
Academics
Placement
Campus Life
Schools
Career Services
Google
Microsoft
YAHOO!
amazon.com
Cognizant
accenture
Mercedes-Benz
SONY
HONDA
AT&T
EY
WIPRO
BOSCH
Tech Mahindra
IBM
SAP
amdocs
Hindustan Unilever Limited
ERICSSON
HONDA
HITACHI
kony
AON
HYATT
RBS
KPIT
verizon
hp
asianpaints
Capgemini
vodafone
Mphasis
Ind-Swift
AMERICAN TOWER
AIS
APOLLO TYRES
Berger
TOMMY HILFIGER
LifeCell
Think
ZENESIS AGRO
verizon
UNISYS
TAVANT
OCWEN
IndiGo
XL Dynamics
vistara
VENTUREPACT
HIDESIGN
practo
Idea
SANDHAR
optimus
Cipla

THESE DOESN'T COME FREE

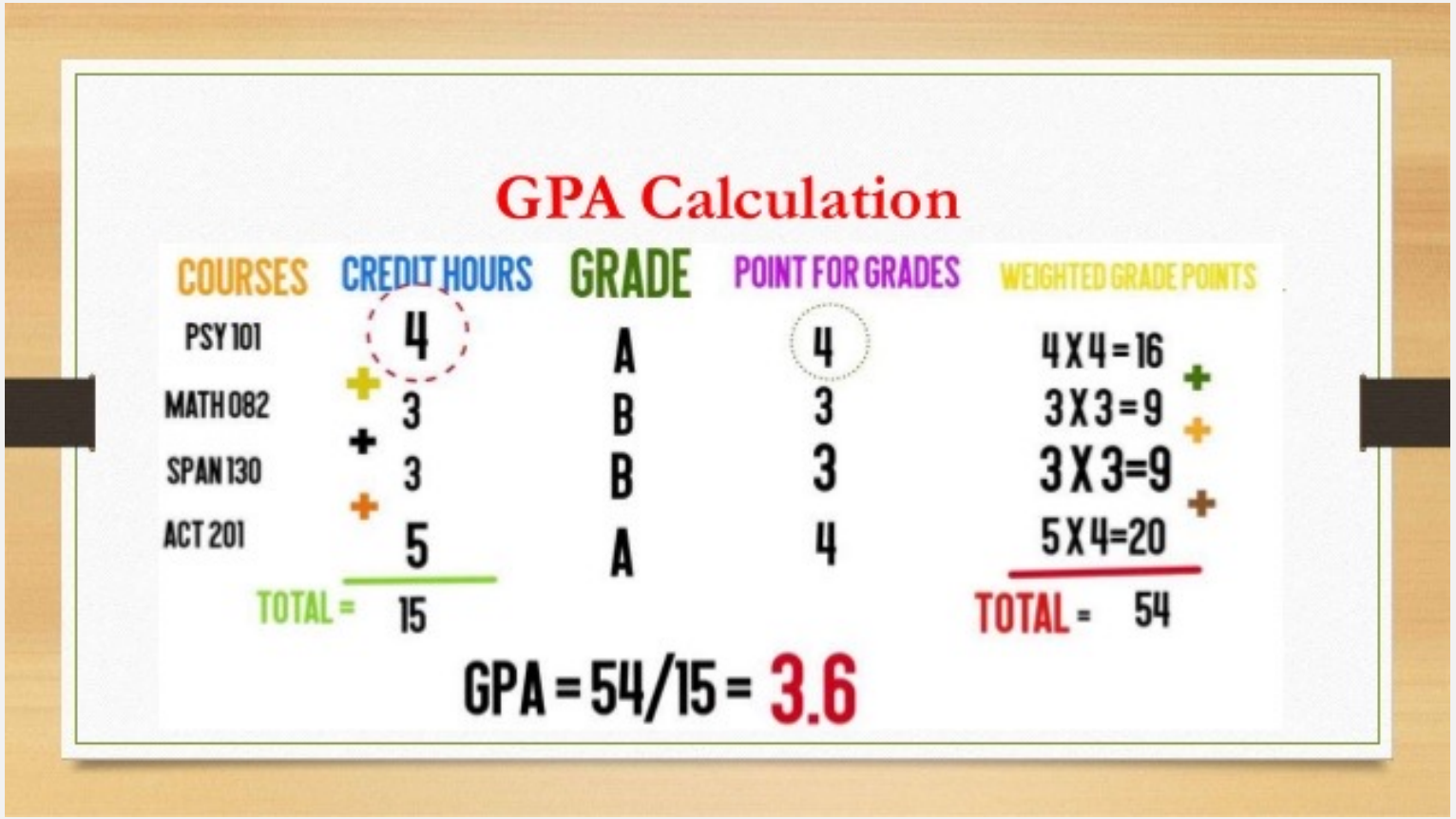
Course Types

- Theory
- Lab

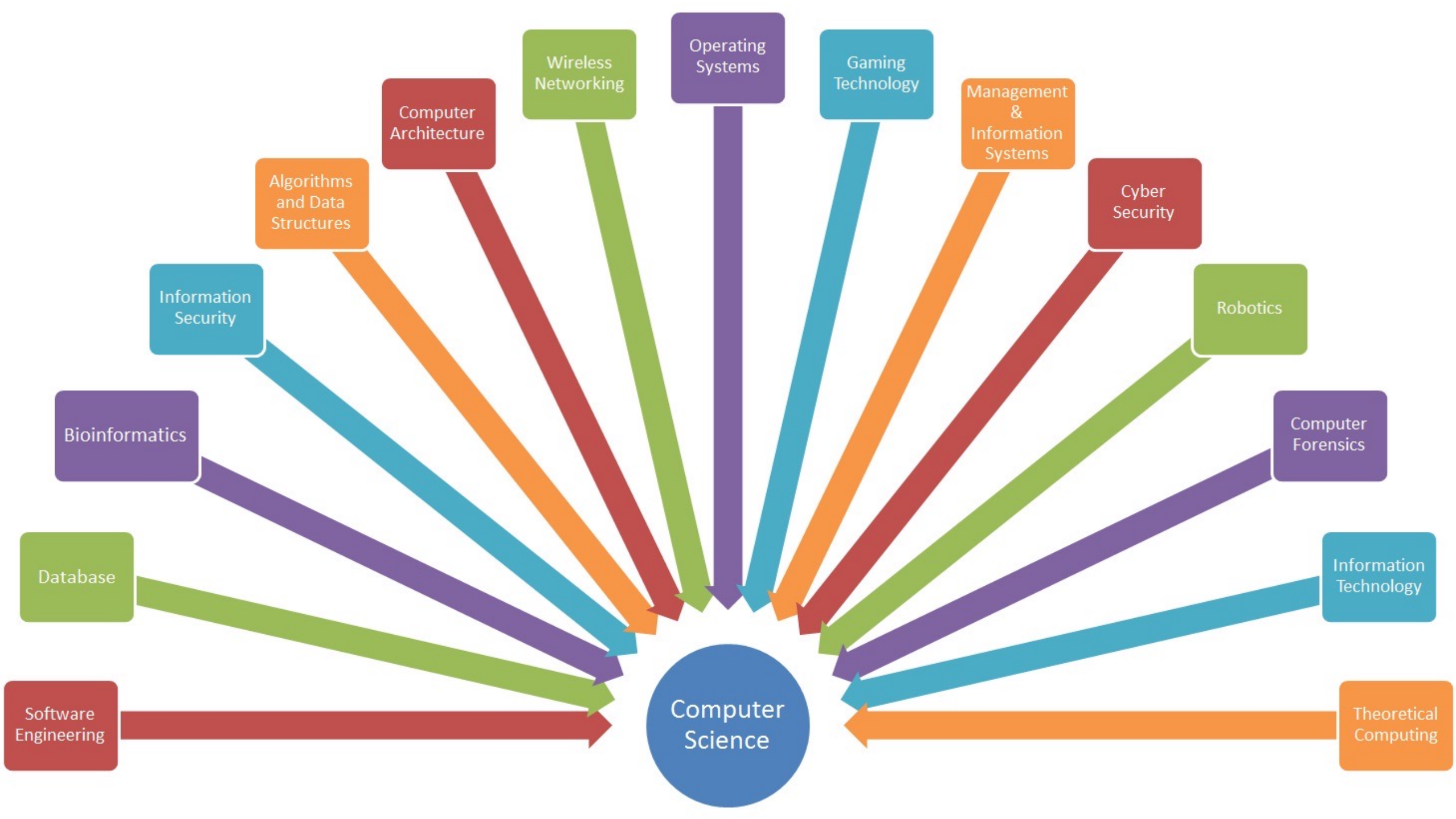
Credit System of KU

- 3 credits for one course – means 3 classes in a single week
- Class is about 50 minutes
- 1.5 credit lab course – means 2.5 hours of single class in a week
- 0.75 credit lab course – means 2.5 hours of single class in every alternate week

Result Calculation

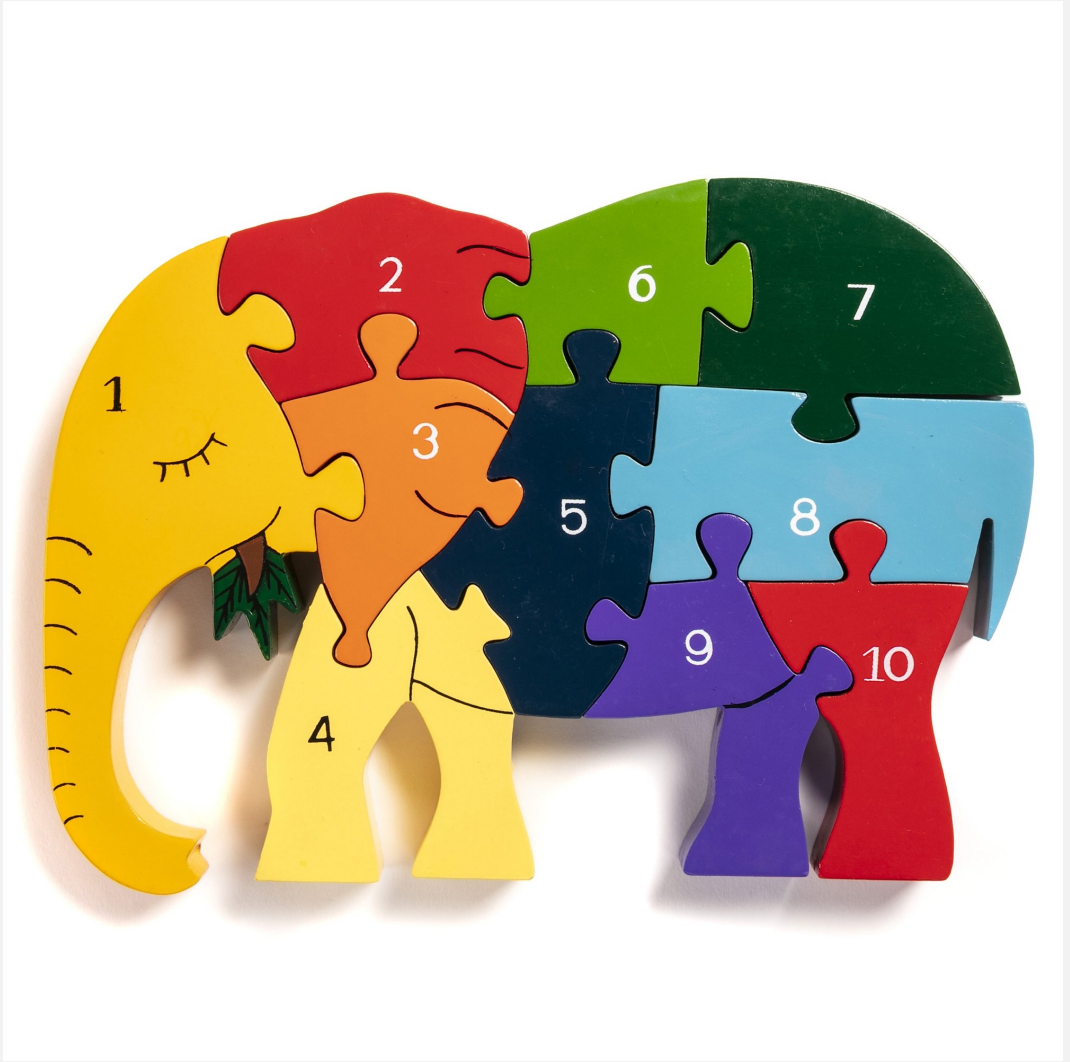


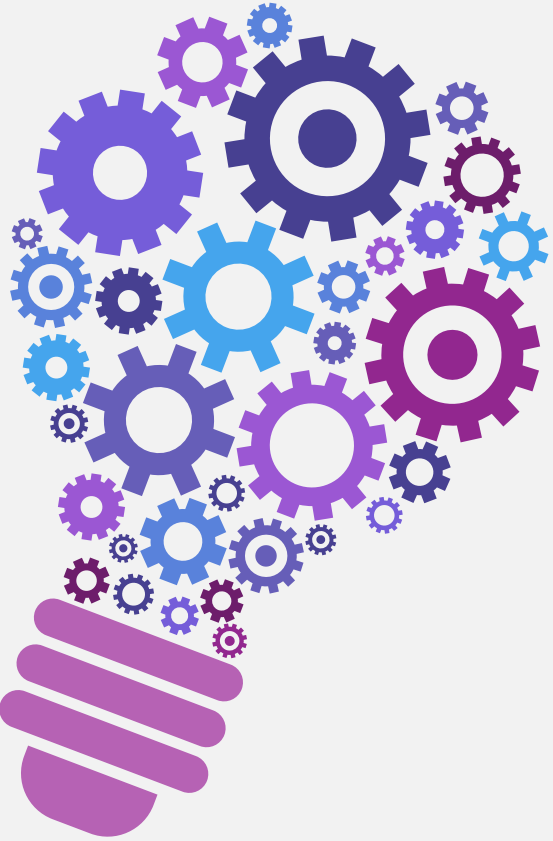
SGPA, YGPA, CGPA


Computer Science
Software Engineering
Database
Bioinformatics
Information Security
Algorithms and Data Structures
Computer Architecture
Wireless Networking
Operating Systems
Gaming Technology
Management & Information Systems
Cyber Security
Robotics
Computer Forensics
Information Technology
Theoretical Computing

Find you Passion

Programming





“Get in the shower. Turn on the water. Please use soap. On your body, not the walls. Use shampoo, it goes in your hair. Rinse it all off with the water coming from above you, not from the toilet. Turn off the water. Dry off with the towel. Go to bed.”

Set of Instructions

Logic

- Problem is “the sequence of the instructions”
- Which one after which one
- It can’t be taught
- Math skills required to solve problems through logic
- Start solving puzzles

WHAT IF YOU CAN NOT UNDERSTAND LOGIC?

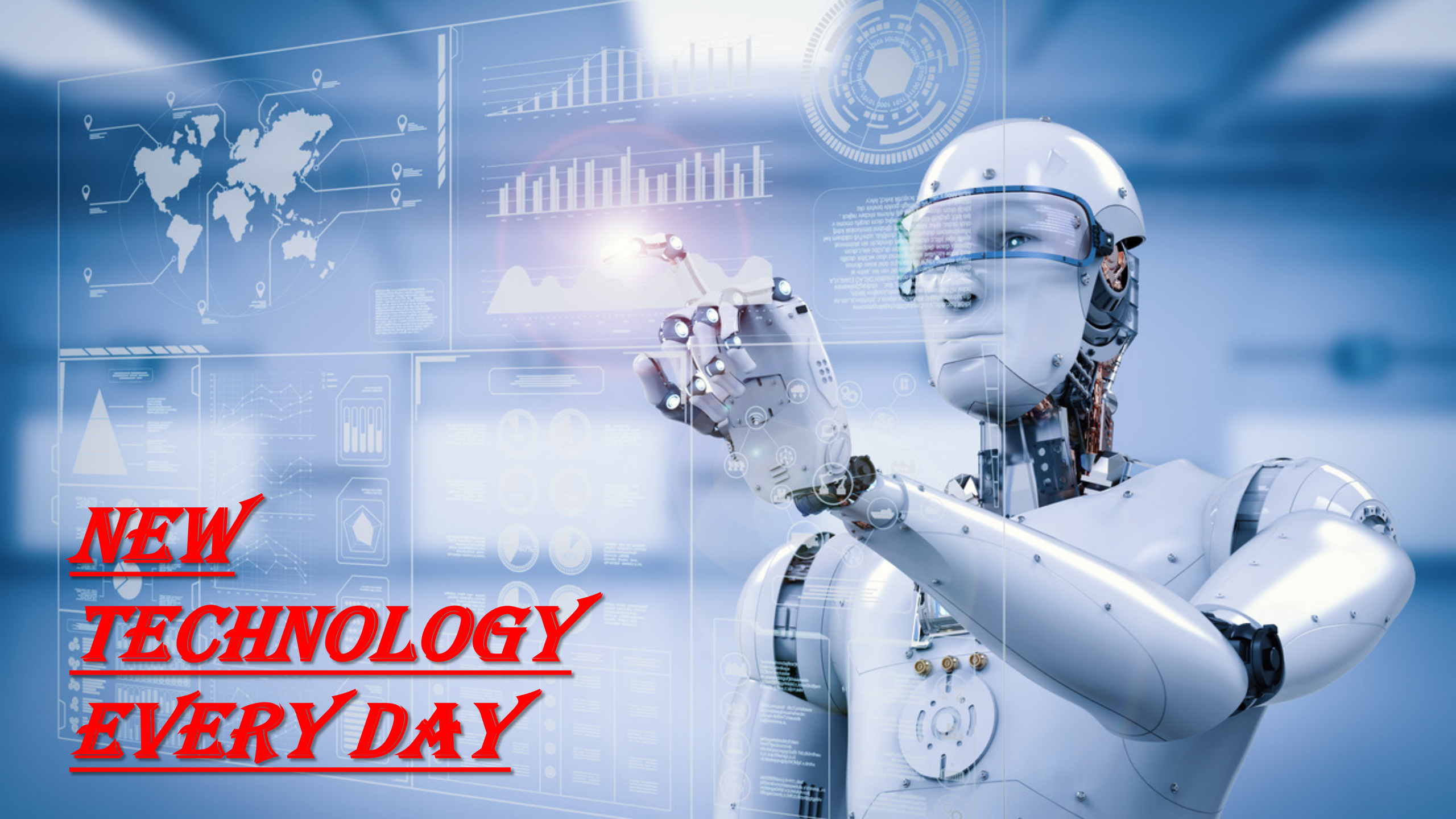
Challenges

WHEN FACED WITH A
challenge
LOOK FOR A WAY
NOT A WAY OUT
DAVID WEATHERFORD
blackmousedesign.com.au

Basic Problems

- Math
- Logic design
- Complex Problem Solving Skill
- Various fields to choose from
- Extensive loads in each semester
- Non-departmental courses

- More than 4500 CSE graduates per semester from 46 Public and 95+ Private Universities
- How many jobs are available?
- Why a company should hire you?
- Dhaka – Khulna distance is a factor.
- Dhaka graduates get some extra facilities like extra seminars, workshops on recent trends


NEW
TECHNOLOGY
EVERY DAY

Solution

BULLS
MICHAEL
JORDAN
@OMNIDESIGNGFX

BE DYNAMIC

GO UPDATE
YOURSELF
40%

let's start at the beginning.

Test Everything You Learned

Create Projects on Your own Time – pet projects

- Create a CV from the beginning
- Sounds strange, BUT Fact
- Plan and Do stuff to fill your CV
- This is the key, which will put you in front of other graduates

CHRISTOPHER MORGAN

CONTACT

Address:
177 Great Portland Street,
London W5W 6PQ

Phone:
+44 (0)20 7666 8555

Email:
christoper.m@gmail.com

LANGUAGES

Spanish – C2
Chinese – A1
German – A2

OBJECTIVE

Provide analysis data support in a company as Data Analyst. Provide analysis data support in a company as Data Analyst.

WORK EXPERIENCE

04/2014 - 04/018
Data Analyst, GHT Company, Madrid Spain
Responsibilities:
- Establish operation strategy in a team for improving sales
- Prepare data and information for making regular report data analysis

03/2012 – 05/2014
Data Analyst, Startup Corporation, Madrid Spain
Responsibilities:
- Composed Java program for interfacing with Oracle database
- Performed data analysis especially financial data
- Performed data analysis especially financial data

EDUCATION

2004 - 2008
Bachelor Degree of Computer Science, Technical University of Madrid
2002 - 2004
Certified as Data Analyst, Data Analyst Certification, Technical University of Madrid

2004 - 2008
Bachelor Degree of Computer Science, Technical University of Madrid
2002 - 2004
Certified as Data Analyst, Data Analyst Certification, Technical University of Madrid

ADDITIONAL SKILLS

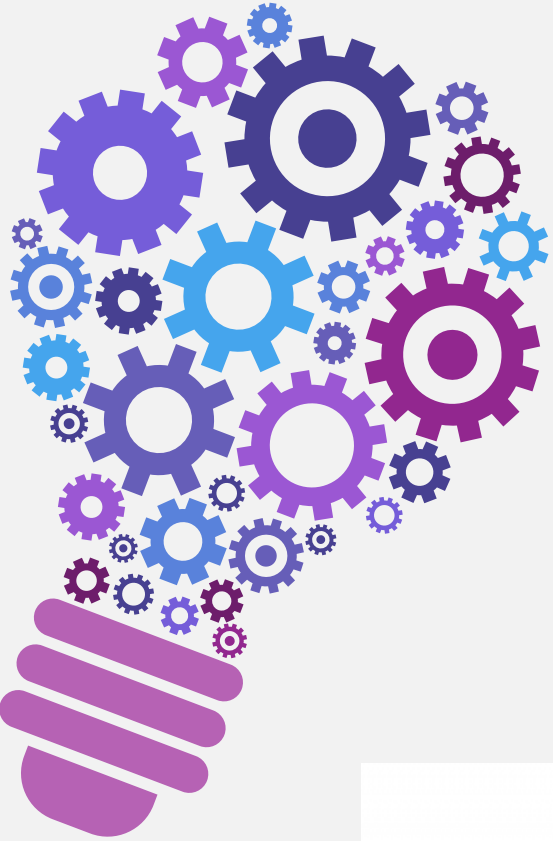
Database operation: Microsoft Office Access, Oracle 8i
Statistical operation: SPSS, STATA
Programming: C++, SQL, HTML
Programming: C++, SQL, HTML
Statistical operation: SPSS, STATA
Programming: C++, SQL, HTML
Programming: C++, SQL, HTML

REFERENCES

References available on request

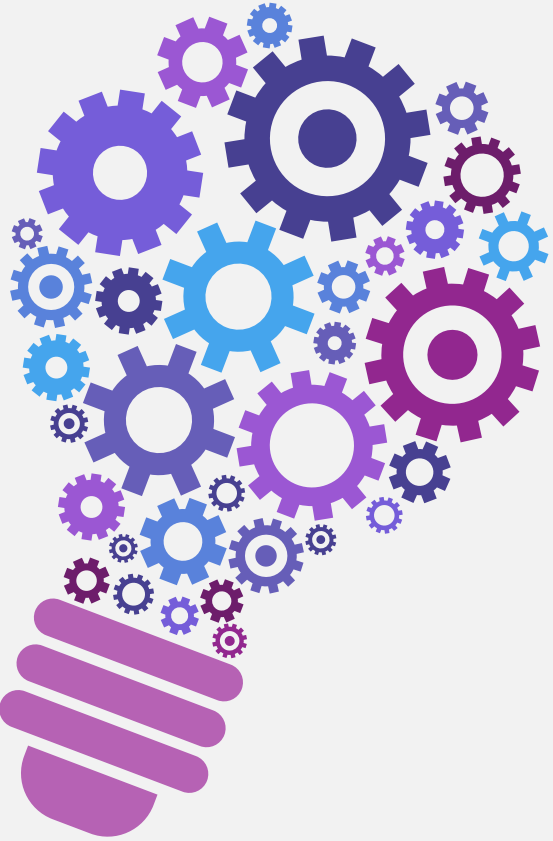
Technologies to Cover from Beginning

- Computer Science and Engineering community is focusing on some technologies to ease the process of development
- These technologies are sometimes beyond the range of CSE program
- You need to catch them from the start



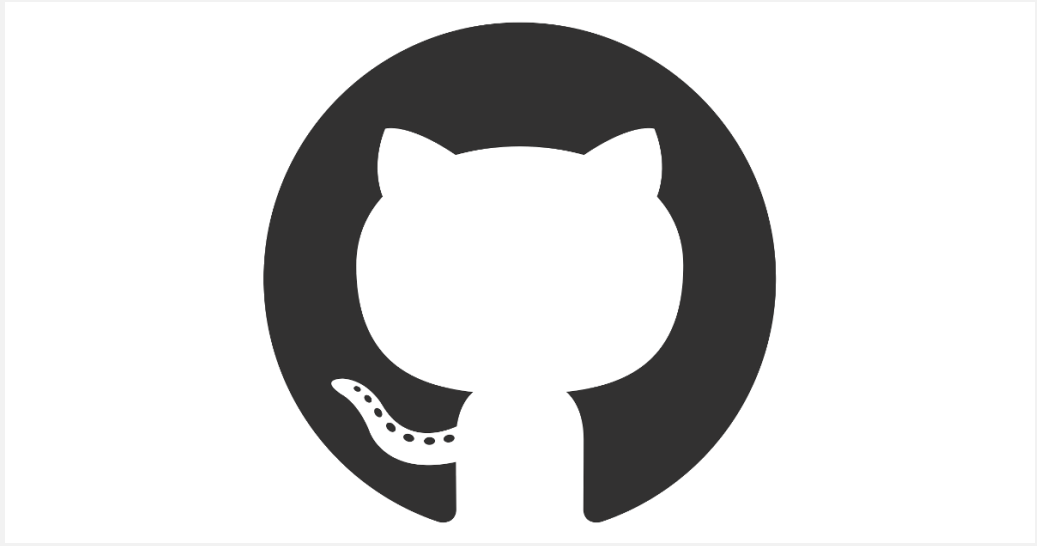
Stackoverflow

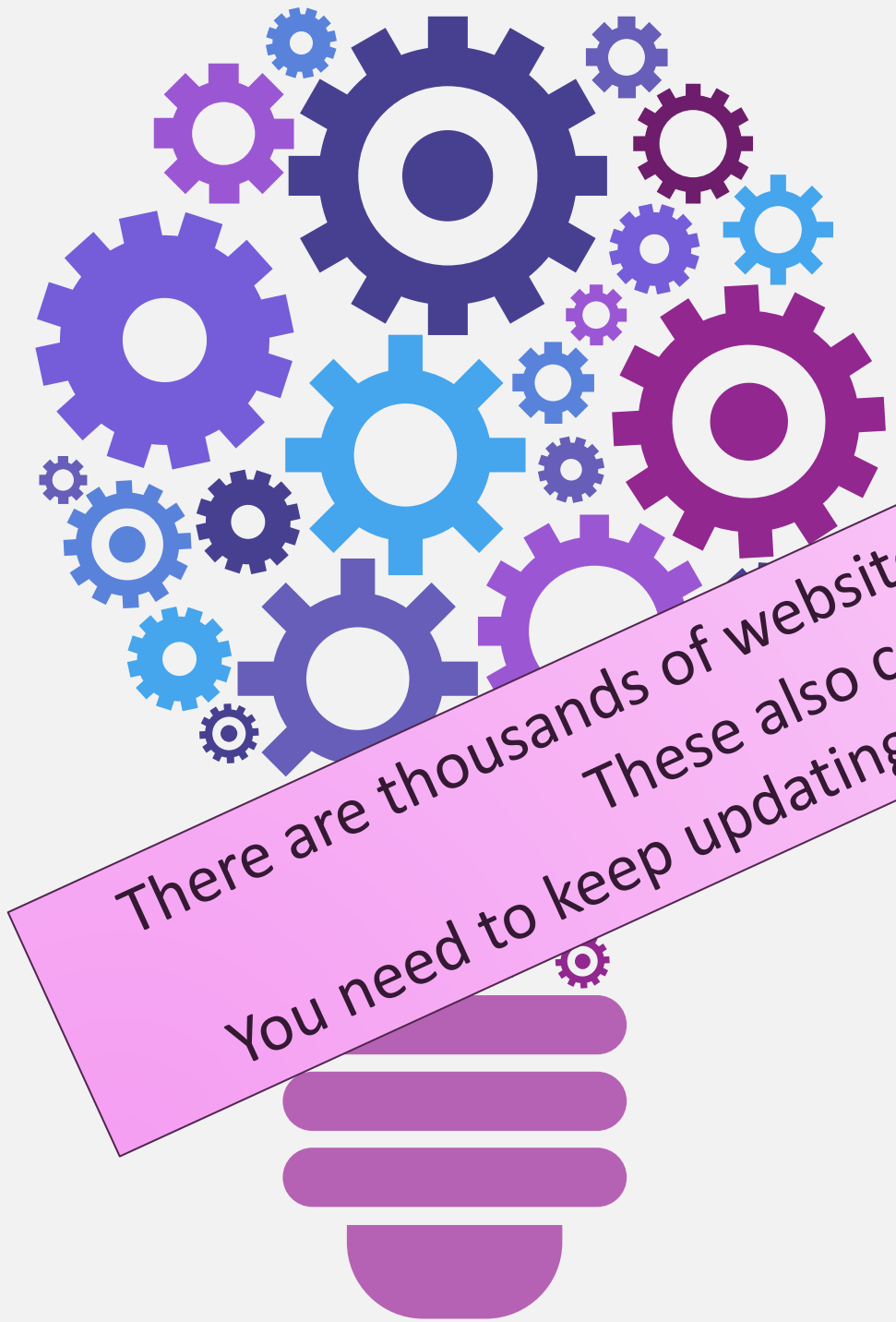
- Question Answering site
- **Point** structure



Github

- Code / Project sharing site
- Collaboration
- Version control





Few Websites to Started

- https://www.w3schools.com/
- https://www.tutorialspoint.com/
- https://www.codecademy.com/
- https://onlinejudge.org/
- https://www.codechef.com/

There are thousands of websites and technologies. I showed you a few.
These also can get out of trend soon.
You need to keep updating yourself to know about the recent **HITS !**

PROGRAMMING CONTESTS

-0:02:30
ACM-ICPC World Finals
ICPC 2016 Phuket
Prince of Songkla University
The Fortieth Annual
ACM-ICPC World Finals
May 19, 2016
Phuket Thailand
acm International Collegiate Programming Contest
IBM event sponsor
2016 World Finals Phuket
Association for Computing Machinery
SIPA
CAT
BAYLOR UNIVERSITY
ICPC and CLI Headquarters
serving since 1985
University of Aizu
University of Zagreb

KHULNA UNIVERSITY
CSE DISCIPLINE

Website

- https://cseku.ac.bd
- https://ku.ac.bd/discipline/cse

Ragging

- It’s a myth here (!!)
- Don’t get afraid
- Don’t loose your dignity
- We are here for you
- Don’t go to someone beyond this campus if called
- Always keep phone numbers of your batch supervisor and hall provost.

If someone tells you s/he can help you with the study, so do this OR do that, TRUST ME s/he is a big looser.

You don't need anyone to be successful in CSE. It's the era of Google and Teachers are here to help you.

Extracurricular Activities

- Yearly study tour
- Departmental cultural programs
- CSE Fest
- Programming groups

CLUSTER - Club for Updated Search on Computer

Know Our Alumni

Keep in touch with them.
Ask for guidelines.

Teachers

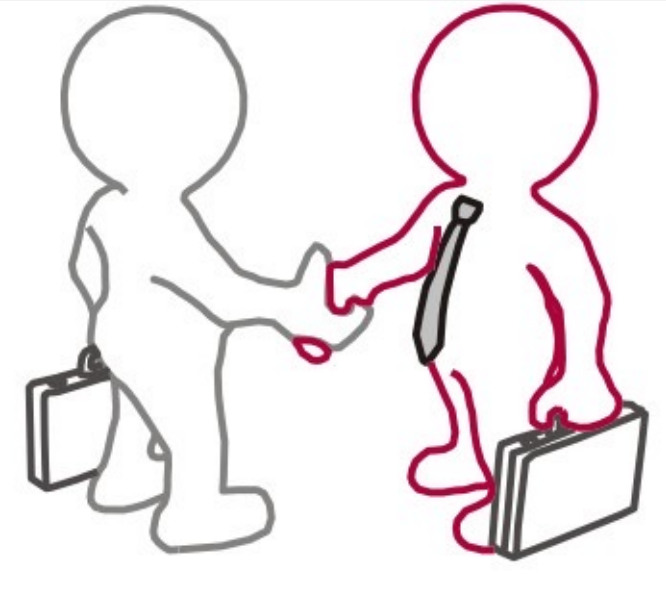
- *We are here to help you with everything*
- *Learn from our experiences*
- *Find a mentor for yourself*

Remember the balance between friend and friendly

Class Culture

- *Try to change class representative (CR) every year*
- *Try to be **one**. Develop as **one**.*
- *Specially, take decisions as **one**.*

Sharing the knowledge will ultimately help you to learn properly. Final session with the group always helps to think about the unthinkable.



- Choose your partner in crime (Project / lab partner) wisely.
- S/he can inspire you or can become the cause of your frustration.

KHULNA UNIVERSITY

Features

- No politics
- No Session-Jam
- Strict semester / yearly schedule
- 26 Clubs for extracurricular activities
- Year long sports (Cricket, Football, Volleyball etc.)
- ***Festival celebrations***

শুভ নববর্ষ ১৪

RAG DAY

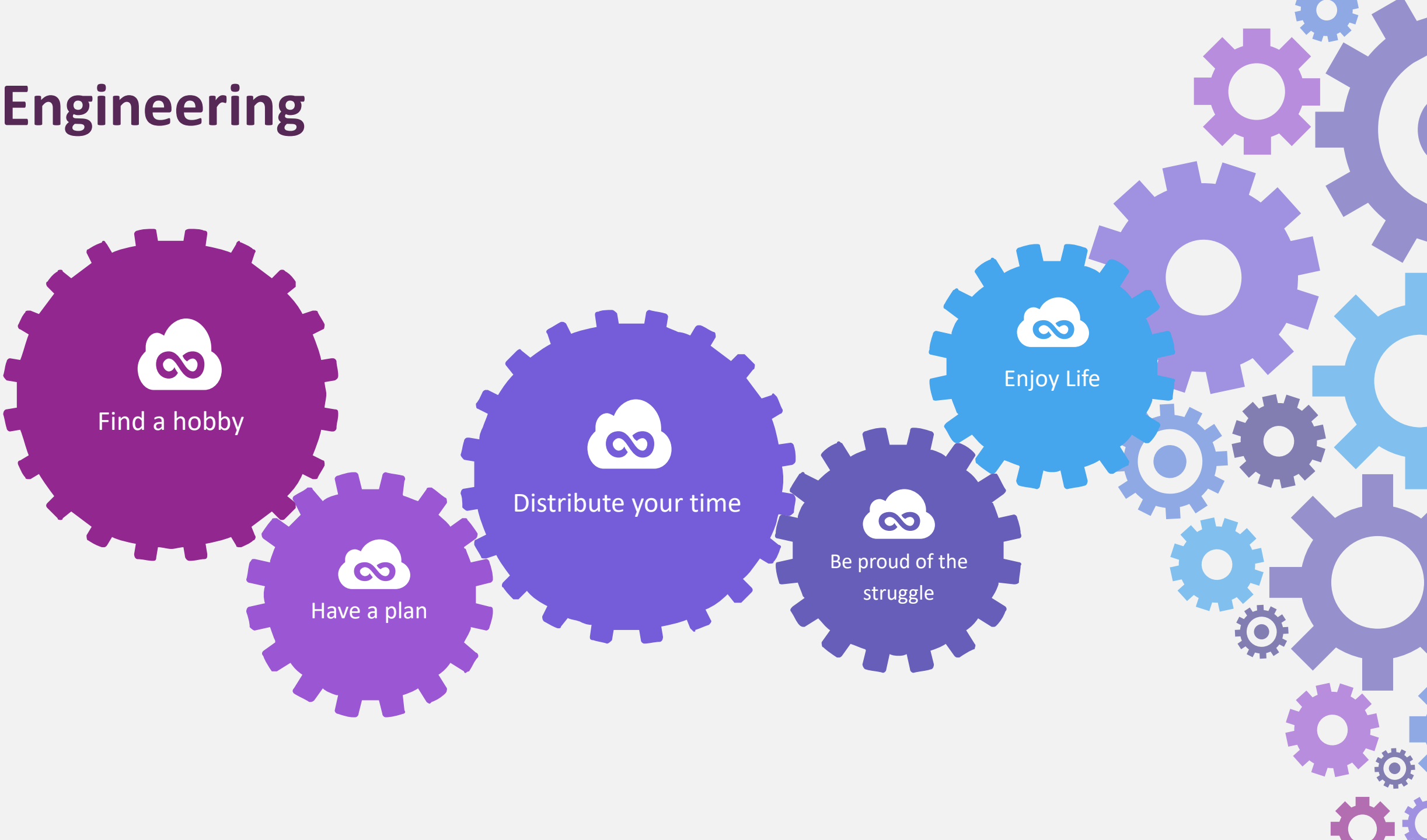
ARTCELL
RAG'16 KU

Join A Club

“Time is what we want most, but what we use worst.”

ENGINEERING LIFESTYLE

Engineering



Find Ideas to Develop

- Ideas can come from news
- Real-life experiences
- Movies
- Books
- Internet

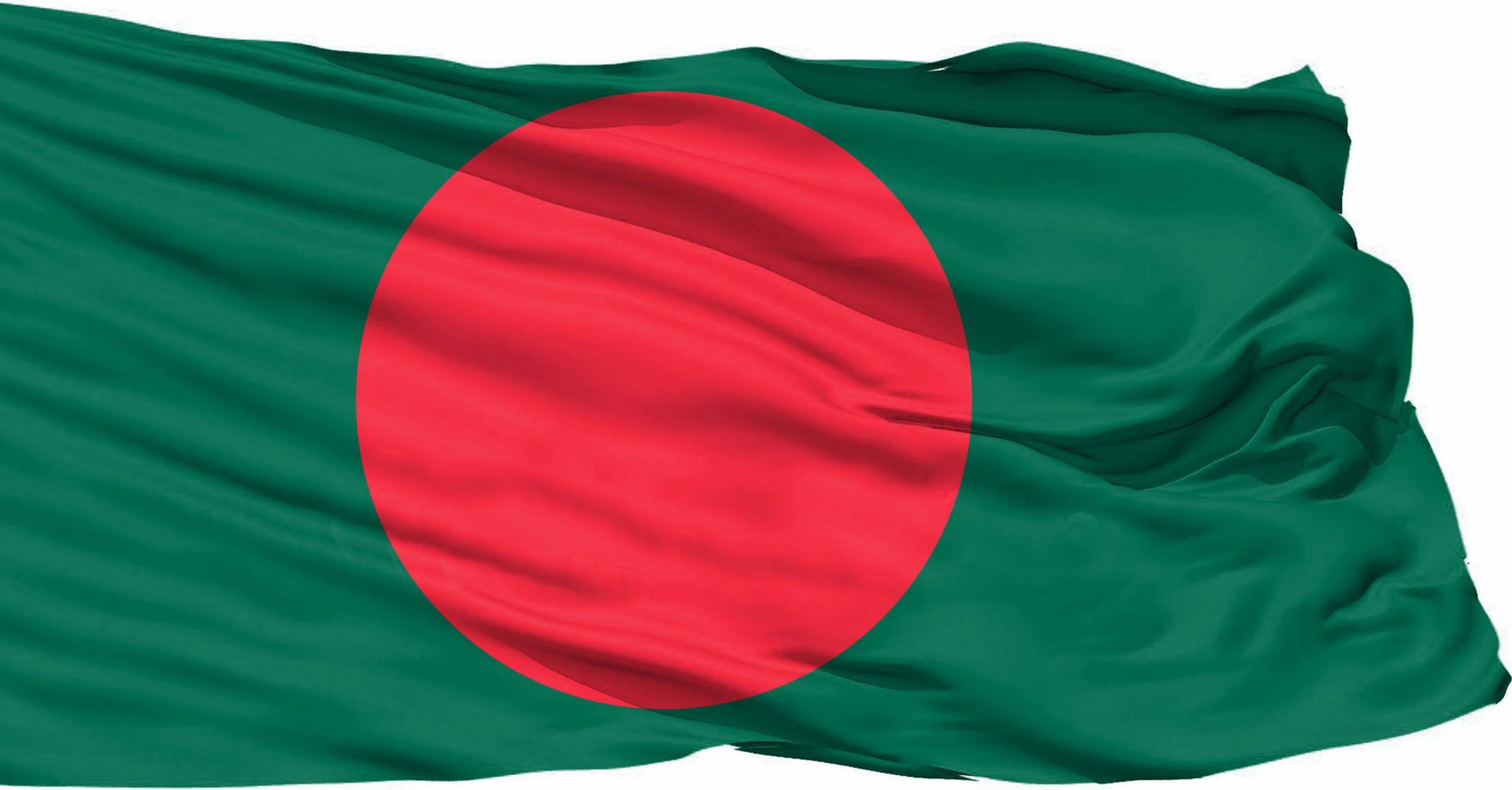
Write them down

Even you know, you don't have the skills needed to develop the idea right now, write them down

Find your Jam to survive late nights

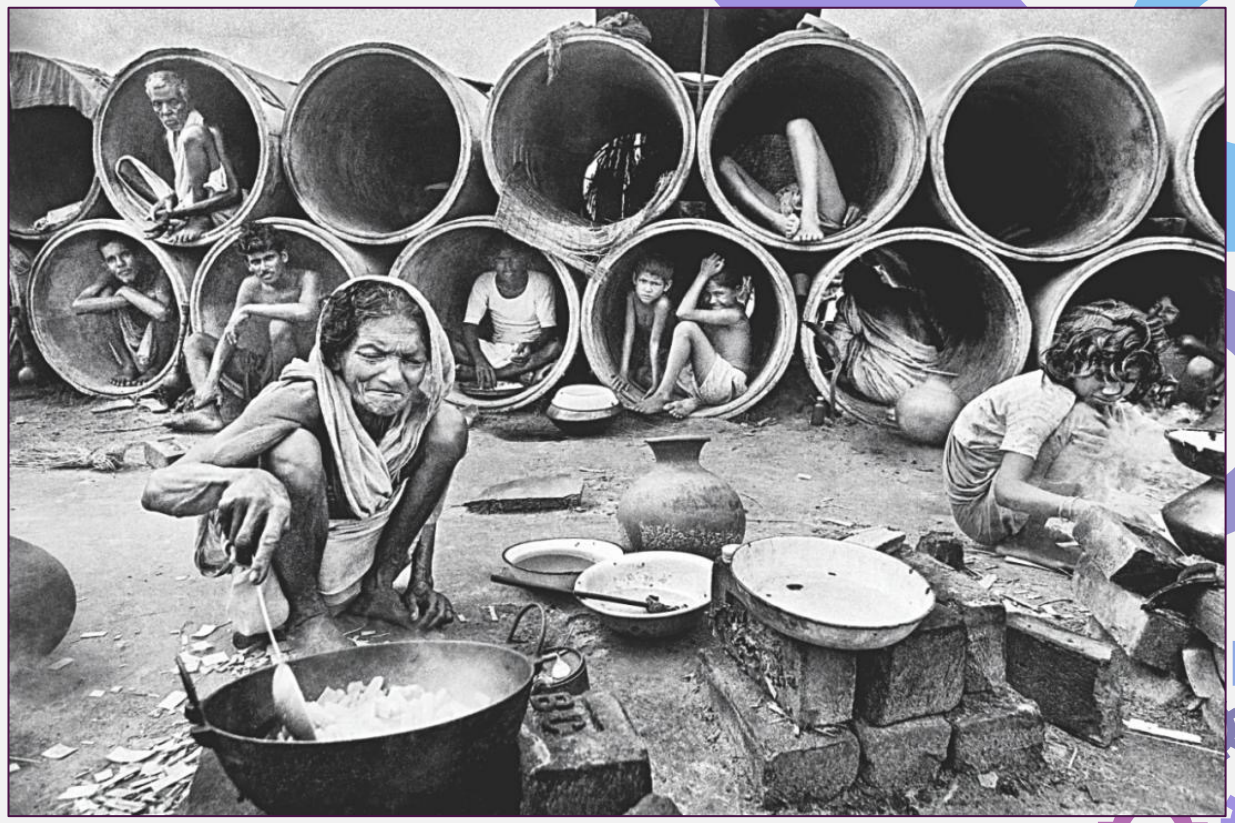
Start Traveling

Daily 1 / 2 hours of mandatory coding



Even Donkeys are alive. But do they live ???

- Be a good citizen
- Love your country
- Differentiate between good and bad
- KU students don’t do dirty politics but they are aware of their rights
- Have a positive political view
- Raise voice against the wrong
- Plan to give back to country



Have some rules, not from society but your own.

LIVE WITH HONESTY SO THAT YOU DON'T NEED TO LIE DOWN YOUR HEAD IN FRONT OF ANYONE.

designed by vexels