B.I.T

BUSINESS AND INFORMATION TECHNOLOGY CLUB

NEWSLETTER

EVEN SEMESTER
2021 - 2022

BUSINESS FACTS

- Every second 3 new startups are invented worldwide. Startups are invented every 3 seconds, which leads to 11,000 per hour. Among startups, 90% of startups fail within the first year.

- India is the 3rd largest country in the startup ecosystem. 21 company falls under the unicorn club with a net worth of more than 50 billion. By 2022 50 more companies from India will join the Unicorn club. India has about 1,00,000 startups of which 2-3 startups are in the market every day. Startups in India help in raising more than 50000 jobs per year.

- Do you need a Bachelor's degree for building a startup? YES. Studies found that over 90% of entrepreneurs hold a bachelor's degree and some are even MBA graduates. People want to move forward with the image that building a startup does not need a bachelor's degree as some famous entrepreneurs like Steve Jobs, and Elon Musk has shown that you do not need a degree to succeed at your startup. Academic Qualification helps to learn new skills which help boost their startup at the initial stage.
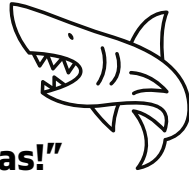
REMEMBER WHY YOU STARTED!

- "You have to see failure as the beginning and the middle, but never entertain it as an end." - Jessica Herrin founder and CEO of Stella & Dot

- "If you start thinking you are good at something, that's often the day you stop trying to be better and open the back door for someone to come after you. That's why we always aim higher. We never feel like we're done." -Drew Houston, cofounder and CEO of Dropbox

PITCH MANIA

Pitch Mania – The limelight for your ideas!"

- **Round 1 – Idea Pitching (Shortlisting of ideas)**

Over 35 participants participated individually and as a group of utmost 4 people. The participants pitched their ideas verbally and gave us a basic idea of their products/start-ups.

- **Round 2 – Final Ideas Selection**

Out of all the 35 participants in the 1st Round, six teams were selected and were judged by a panel of three judges (Faculties of CSE Department) and were awarded points according to the criteria. The teams had to present their ideas in a PPT Format or any other creative format.

WHY BANGALORE IS KNOWN AS THE STARTUP HUB?

Bangalore has been known as the silicon city for years now, as it is the hub for IT Companies in the country. Currently, the city is called the Startup capital of India. With Prime Minister Narendra Modi emphasising on his "Make in India" project, the city has grown a few folds by housing 7000+ Startups in the country.

Reasons for startups thriving in Bangalore :

1. Talent pool
2. Launch pad for startups
3. Work culture
4. Investor and entrepreneur rich
5. Abundance of qualified professionals

Startup success story rate in Bangalore is the highest in all over India. World Startup Report has credited Bangalore with 41%

SPOTLIGHT!

The founders of Zepto

- A lot of us have heard about "Zepto" recently, maybe through the very enticing advertisements which state that it's an app that delivers items within 10 minutes. What exactly is this Zepto? And who are its creators?

- Zepto is a fast commerce business created by two 19-year-old Stanford dropouts nine months ago, and it is now worth $900 million. Aadit Palicha and Kaivalya Vohra founded Zepto in April 2021, and it now delivers 3,500 products in 11 cities in under 10 minutes.

- Delhi, Mumbai, Bengaluru, Ghaziabad, and other towns offer these services. Zepto basically uses its network of 'cloud shops' or micro-warehouses to fulfil orders quickly. Due to the pandemic a lot of us have shifted to online shopping and apps like Zepto and many others, have indeed paved way for a new age of online grocery and essentials purchasing.

Random business fact!

- Elon Musk, the multibillionarie who owns Tesla and Space X struck a deal to buy Twitter for 44 billion dollars in a series of tweets on Twitter.

- But currently the Twitter deal is on hold because of certain information being pending such as spam and fake user accounts on Twitter.

TIMELINE
HOW ELON MUSK LANDED TWITTER

Jan 31 → Elon Musk starts building his stake
Mar 24 → Starts critiquing Twitter, on Twitter
Apr 4 → Musk's stake becomes public; he's invited to join Twitter's board
Apr 5 → Becomes an active investor
Apr 9 → Rejects board seat
Apr 14 → Musk offers to buy the whole company
Apr 15 → Twitter adopts 'poison pill' to ward off Musk takeover
Apr 21 → Musk lines up $46.5 billion in funding
Apr 24 → The board holds discussions with Musk
April 25 → Elon Musk to buy Twitter for $44 billion
May 13 → Elon Musk says Twitter deal on hold pending details of spam and fake accounts

Source: ET research

BITFEST 2022

BitFest 2022 is the first ever flag-ship event of BIT student club which consisted of two sub-events:
1. **Intellectium**
2. **Spectra**

Over 150+ participants participated in the overall event.

Event 1 – Intellectium

Round 1 – Shhhhh!

Participants were divided into a group of four where they would have
headphone/earphones in with music blaring similar to a whisper game where the other participants have to guess the tech related sentence from the previous participant.

Round 2 – Code Surf

Out of all the participants, three teams were selected, where each member
had a check point where they had to collect the scrolls that contained coding questions and solve them. The solved team member has pass it on to their team mate and the team that reaches the finish line first, wins.

Event 2 – Spectra

Round 1 – Red Light, Green Light

Participants were divided into a team of two where they had a team building game which was three-legged race. When red light is enforced the team has to stop and when green light is enforced the team has to move. The team that finishes first wins.

Round 2 – Acclimatize

Acclimatize refers to finding a way and out of a lot of teams seven teams were selected. One person of the team was blindfolded while the other person has to help the blindfolded person to navigate hurdles and find the objects. The team that finishes with the least amount of time wins.

```
1
2    hi bha
3     bol bhai "Hello World";
4
5        bhai ye hai a = 3;
6        bhai ye hai b = 0;
7
8        jab tak bhai (b < 5) {
9          bol bhai b;
10
11         agar bhai (b == a){
12            bol bhai "b is
     equal to a";
13         }
14
15         b += 1;
16       }
```

BHAI-LANG

- Look at this code snippet on the left! Sounds amusing right? What if we could actually code like this? Don't think anymore because believe it or not this programming language actually exists! It's called the "Bhai-Lang"!

- "Bhai-Lang" is a new programming language developed by two Indian developers - Rishabh Tripathi from Groww and Aniket Singh from Amazon.

- The code of the programming language begins with "hi bhai", while it ends with "bye bhai". Netizens are amused by this toy programming language. The programming language is written in Typescript.

- In Hindi, brother is called "Bhai". The programming language combines the Hindi word "bhai" with English words like "hi" and "bye". Like other programming languages, "Bhai-Lang" too has syntax. As per the official website of the language, all codes written inside these tags will be valid while everything outside of it will be ignored. The code begins with "hi bhai", while it ends with "bye bhai". If there is any error, "Arre Bhai Bhai Bhai!!!" message will appear.

- For declaring the variable, programmers are required to use "bhai ye hai." These variables will be allotted different values and functions as per requirement. A user can know about how to use built-ins, conditionals, and loops on the GitHub page of "Bhai-Lang". The official website of the programming language is " bhailang.js.org ".

Now that you know what is Bhai-Lang, can you guess what is the output of the above code snippet?

PYSCRIPT

- How many times have you wanted to embed Python into your HTML document without having to use server backend? Well, PyScript is here to help you. PyScript is a free and open-source Python Integrated Development Environment (IDE) for Windows. It is built with Delphi's Object Pascal and Python.

- Built with Pyodide, it allows you to run Python code in a browser. It is still infancy, but the development team has recently released a beta version. Using the tool, developers can write Python directly inside HTML, without the need for a server backend like Flask or Django.

- Your python code sits inside a custom py-script tag within a document's body. The PyScript Javascript file will then interpret its content with Python. You can specify an HTML element, such as a div, for PyScript to write output to. A simple code snippet has been attached here for your reference.

In the head section:

```
<head>
<link rel="stylesheet" href="https://pyscript.net/alpha/pyscript.css" />
<script defer src="https://pyscript.net/alpha/pyscript.js"></script>
</head>
```

In the body section:

```
<body>
<div id="python-container"></div>
<py-script output="python-container">
print("Hello world")
</py-script>
</body>
```

- It originally started as a lightweight IDE designed to serve the purpose of providing a strong scripting solution for Delphi applications. Over time, it evolved into a full-featured stand-alone Python IDE. Currently, it is available only for windows.

Want to know how to draw Robert Downey Jr. using Python?

- Install sketchpy library using pip command
- Type this python code into your IDE

```
from sketchpy import library as lib
obj= lib.rdj()
obj.draw()
```

- Now, run and compile the code and voila!
  You can see Robert Downey Jr. on your output screen!

INTERVIEW WITH PAYNAV – MODERNISTIC SOCIAL NETWORK OF EXPENSES

Q. Why is PayNav called "PayNav" and what exactly is it?

- Nav means **"new"** in Sanskrit indicating Modern payment
- The founder wanted to start as NavPay .. Neo payments in India.
- He wanted to create an ecosystem to share expenses with ease.
- His main vision is to make a Neo Bank.

Journey of PayNav

- The journey started with a company called Dusll in 2018
- Dusll was a platform where you can connect with like-minded people in the app.
  Ex: Web developer, and People for hiking.
- For connecting strangers with regard to money, PayNav is the new platform.
- We all know that it's easy to split the money with the person whom we know and trust.
- The main idea for this was to ease the friction and ask the money as low as possible.
- We want to make a social network of expenses instead of just making an app for splitting bills.
- This is also planning in helping with people's portfolio.
- The splitting is done for all platforms.