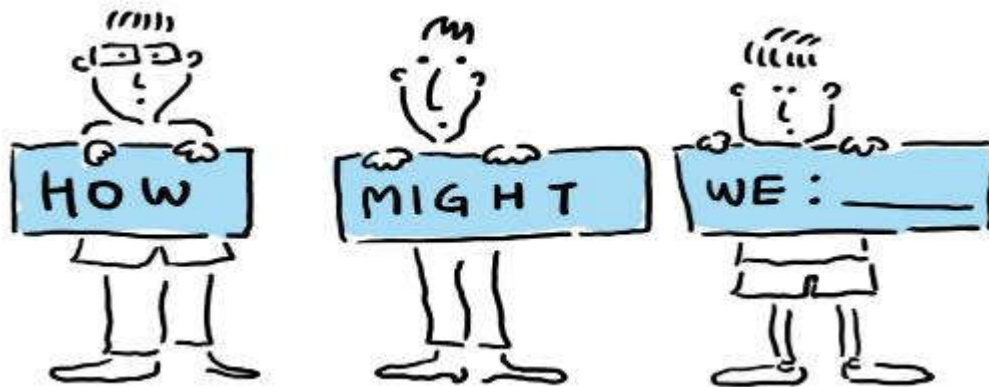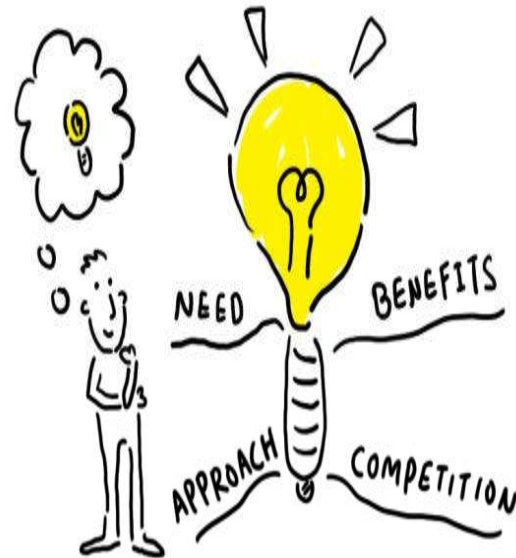# An introduction to
SSIP & IDEATION

Mr. B M Patel
Lect. Electrical Dept.
SSIP Coordinator
G P Palanpur

IDEA!!!

- **"You are entering the ideation zone, make sure that you bring great ideas with you!"**

All these are solutions to someone's problems –

Now let's hear from you

What about these ?

Invisible Cloak

Batman's Mobile

There is nothing more powerful than an idea whose time has come.

- Victor Hugo

EVOLUTION OF TELEPHONES

1885   1920   1965   1985   1990   2000   2015   Future

[Play](#)

Let's watch some videos to get those ideas flowing

[Intel vision](#)

Another Inspiring VIDEO

- Students from different schools in Bawana, Delhi ideated and clubbed their ideas together.

- Using right technology and mentor support they found solutions to some of the major problems being faced in & around their school & homes!

https://www.youtube.com/watch?v=VAZo2Bndvg0&feature=youtu.be

Indian Innovators It just takes one great idea to make you an innovator – ideas are not tied by any boundaries so open-up and start thinking.

https://youtu.be/m_ho7xhgWV8

Play

What about this?

Virtual Reality

Let's look at some more examples

For example, The Eco Cooler

This no-electricity cooler is made with old cold drink bottles cut into half and attached on to a solid board. When hot air passes through them, the bottle neck compresses it and cools it down.

These coolers, when fitted in place of regular windows, bring down the room temperature even in scorching heat conditions.

Some Amazing EXAMPLEs of INDIAN Innovation

- The Digital India challenge is a great platform for people across the country to showcase their talent. This video showcases the top ten innovators and their ideas that were selected as a part of the "Innovate For Digital India Challenge"(IDFIC)

[Play video](#)

http://bit.ly/2orWZZo

Yet another Amazing Innovation

- An idea of printer which can erase all data on a printed page fed to it making it plain and hence reusable.

- By
  Arvind Gopal Krishnan,
  Class 11
  From Chennai,
  Tamil Nadu, India

The Life Saving Dot – Jeevan Bindi

A simple bindi to tackle the problem of iodine deficiency amongst Indian women!

https://youtu.be/Sclg_AfGzcE

A FEW MORE INSPIRING VIDEOS

6 Innovative StartUps In India

Play

- Ideas can help you inspire, innovate and create. Ideas are the start of something new and big.

So, what was common in all of these videos, pictures etc.?

- These people identified a problem and instead of waiting or looking for someone else to help them ... they worked to solve it on their own.

- They came up with new ideas and innovated things that would solve the problem.

SSIP ?
(Student Startup & Innovation Policy)

- Create pathways for mind to market
- Create common platform to showcase, support and upscale innovations
- Allow innovative students to utilize existing labs and workshops to develop proof of concept

❑Support System:

➢Prototyping support

➢Patent support

➢Activities, events, mentoring,

Culture Development in campus :To Change Mind Set (year,17-18)

SSIP Policy awareness campaign	• College level introductory lectures by college SSIP cell to all students
	• SSIP Policy understanding from invited expert from nearby SSIP grantee college (GEC Patan)
	• Providing literature in local language
Event To Motivate Students	College level technical event • Project presentation • Idea/Poster presentation • On the spot event
	Visit: • State level Science fair visit • Science city visit during world space week celebration
	Seminar/workshop with title (Entrepreneurship and Innovation) • Innovation that impact lives in positive manner • Entrepreneurship camp by CED,Gujarat • Entrepreneurship as a career option • Startup and IPR seminar at GEC Patan
	Interaction with Innovators (student) • Arduino controller for automation and apply in final year project • Internet of things and its application
	Nuclear awareness program (BARC for Entrepreneur)

Efforts and success

Strategy : We give problem list to students and
try to find solution with students.

1. 3 team register in Hackathon-18

   one team participated in regional round (Rajkot)

2. 2 team register in SIC-18

3. 8 team register in GIH-19

   Four team working on given project under guidance of five inter department mentor

4. 3 team register in SOIC

   two team from first year students

At Rajkot for HACKATHON 2017

- **Such participation make creative environment in campus and motivate other students also.**

Technical events in campus

Experts interaction with students

Ideation!!!

- TO HELP YOU WITH THE
  IDEATION PROCESS …
  HERE'S A FOUR STEP APPROACH

A 4 steps approach

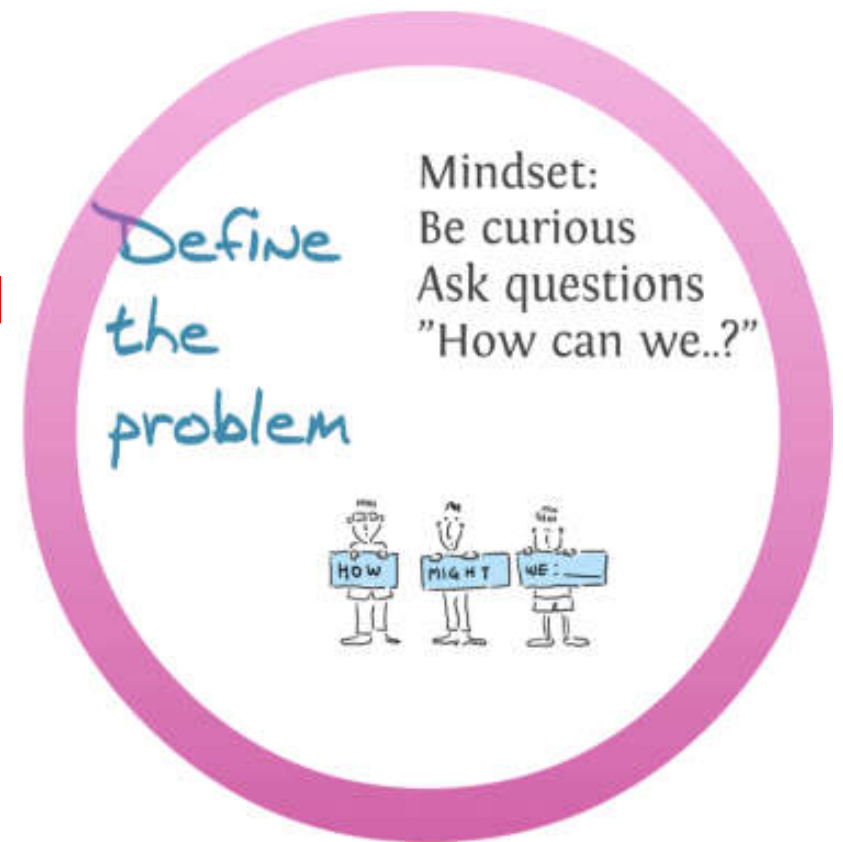| Step 1: Scope	Step 2: Generate	Step 3: Analyze	Step 4: Optimize
▪ What will you like to do? ▪ What's the problem you have identified? ▪ Define problem statement	▪ Look for various solutions for your problem. • Generate multiple scenarios – ideas	▪ Go through each Idea/ scenario & analyze	• Fine tune the idea

Scope
-Define Problem Statement

Write down one very precise
problem statement!

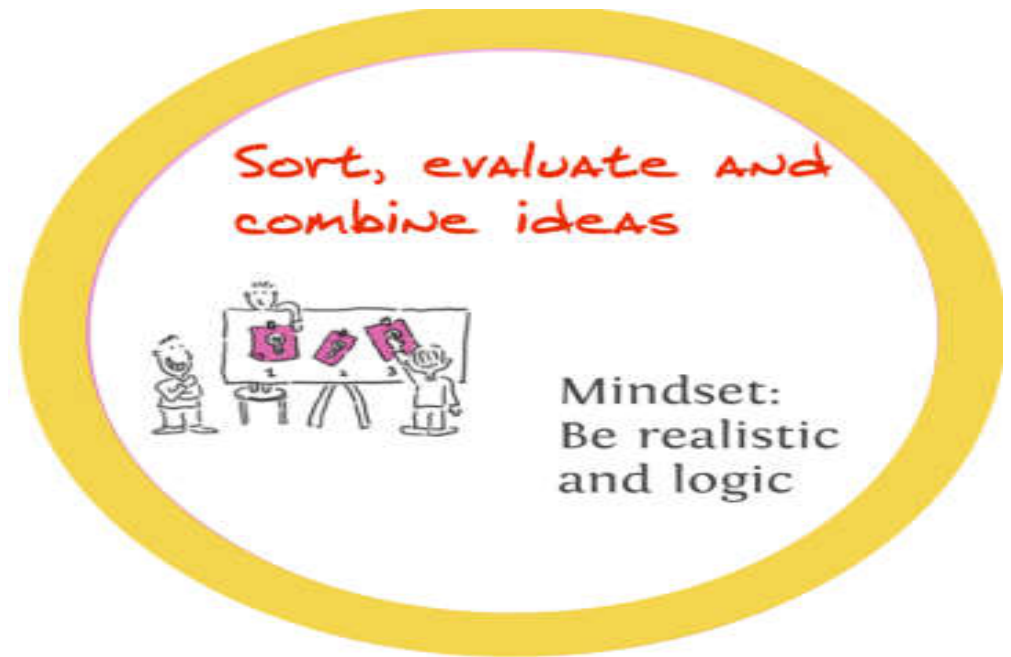"How can we help X PERSON
to
solve X PROBLEM ?"

Generate multiple scenarios - ideas

➢   See opportunities and forget limitations
➢ Generate as many ideas as possible - quantity over quality!
➢ No criticism is allowed
➢ Don't say "no but", say "yes and…"
➢ Co-create by building on each others' ideas

Develop 100's of ideas

Mindset:
Be open-minded
Think Creative
Anything is possible!
"yes AND…"

RELOOK AT ALL IDEAS & ANALYSE

- Mind set: Be realistic and logical

➢ 　　　Get rid of the ideas that are less likely to solve the problem

➢ Continue until you have found the 10 best ideas

➢ Look at each idea and understand its pros and cons

➢ Choose only one idea

Sort, evaluate and combine ideas

Mindset:
Be realistic
and logic

Fine-tune the Idea

Conceptualize the solution by summing up the different components of the idea
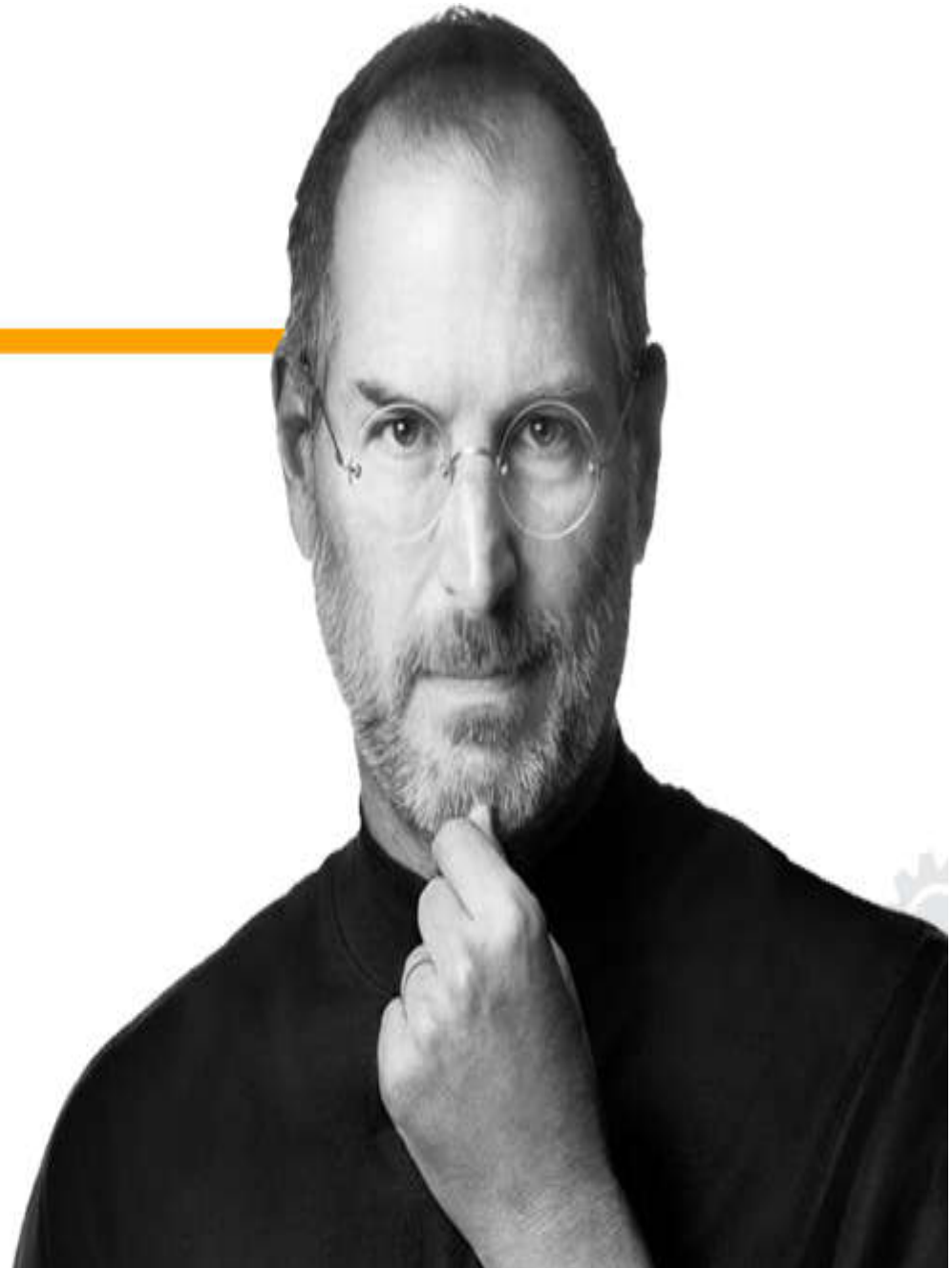
Feedback FOR THIS Session

➢ What was the most interesting feature of this session?

➢ Did you hear/ see something new in this session?
What was it?

➢ Is there any challenge/ problem/ issue in & around your school/ home/ park etc. that you would like to help solve?

➢ What will you like to create/ make/ invent to solve this problem? Share your idea.

The world is made by people who were no smarter than you! Don't be afraid to change it.

- Steve Jobs

Internal Support system

			Work allocation	
1	Mr B M Patel	Elect.	• Event & Event content designing • IPR Policy implementation • Inviting Experts/innovators or startups	SSIP & IPR – Institute Coordinator
	Mr M J Dabgar	EC	• Event & Event content designing • Linkage with Industry • Event / Experts data management	Member --SSIP & IPR Cell
3	Mr T P Purohit	Elect.	• Finance Management • Linkage with Industry	Member --SSIP & IPR Cell
	Mr Y T Rana	Civil	• SSIP State/National level Event participation • Students Data management	Member --SSIP & IPR Cell
5	Mr D D Panchal	Mech.	• In/out campus Event Management • Coordination with students • Alumni Data	Member --SSIP & IPR Cell
6	Mr V A Chauhan	IC	• In/out campus Event Management • Coordination with students • Alumni Data	Member --SSIP & IPR Cell

- **More Videos to Get you Thinking**
Think about a cool invention you may have seen in a film or might have read about in a book. What if you were told that some of those inventions now exist in real life?

UTEC - Potable Water Generator   Plant Lamp UTEC   Janicki Omniprocessor

Thank You