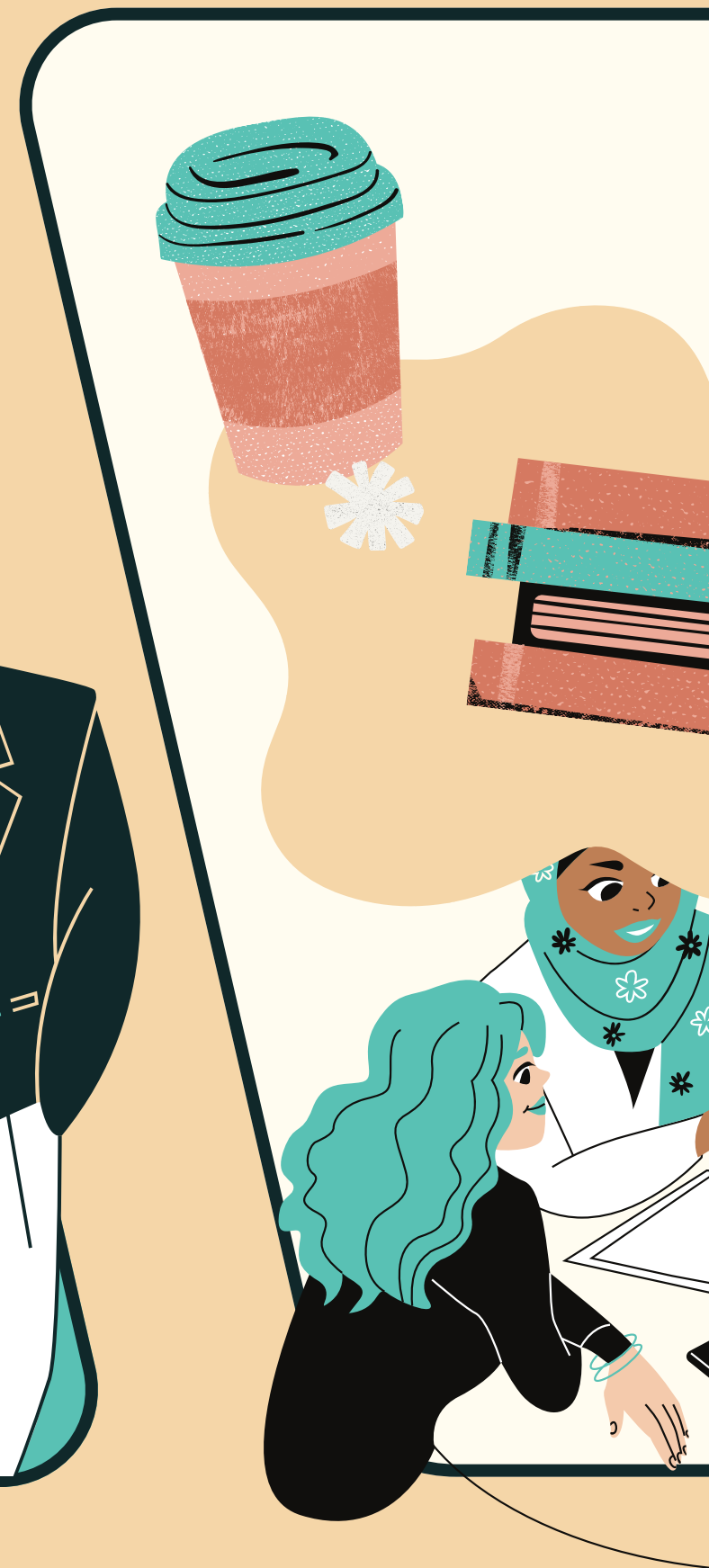




@INYAS

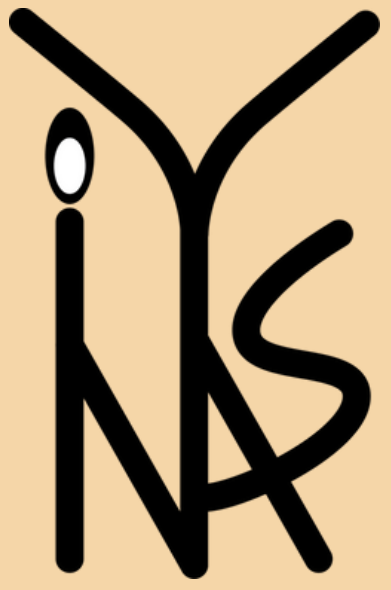
DEFINE & RE- DEFINE CAREER



Career Guidance Kit

By

Indian National Young Academy of Science (INYAS)



DEFINE & RE- DEFINE CAREER



Career?

Job?

Profession?

Traditional jobs?

non-traditional jobs?

Career combos?



01.

Identifying personal strengths, skills, and interests can guide young adults in choosing a career path that aligns with their passions and goals

02.

Creating a compelling resume and preparing for job interviews are essential skills for young adults entering the job market or seeking career advancements.

03.

Balancing work-life integration, setting career goals, and prioritizing self-care contribute to long-term career satisfaction and overall well-being.

04.

Continual learning and professional development, such as attending workshops or pursuing additional certifications, enhance skill sets and boost career prospects.



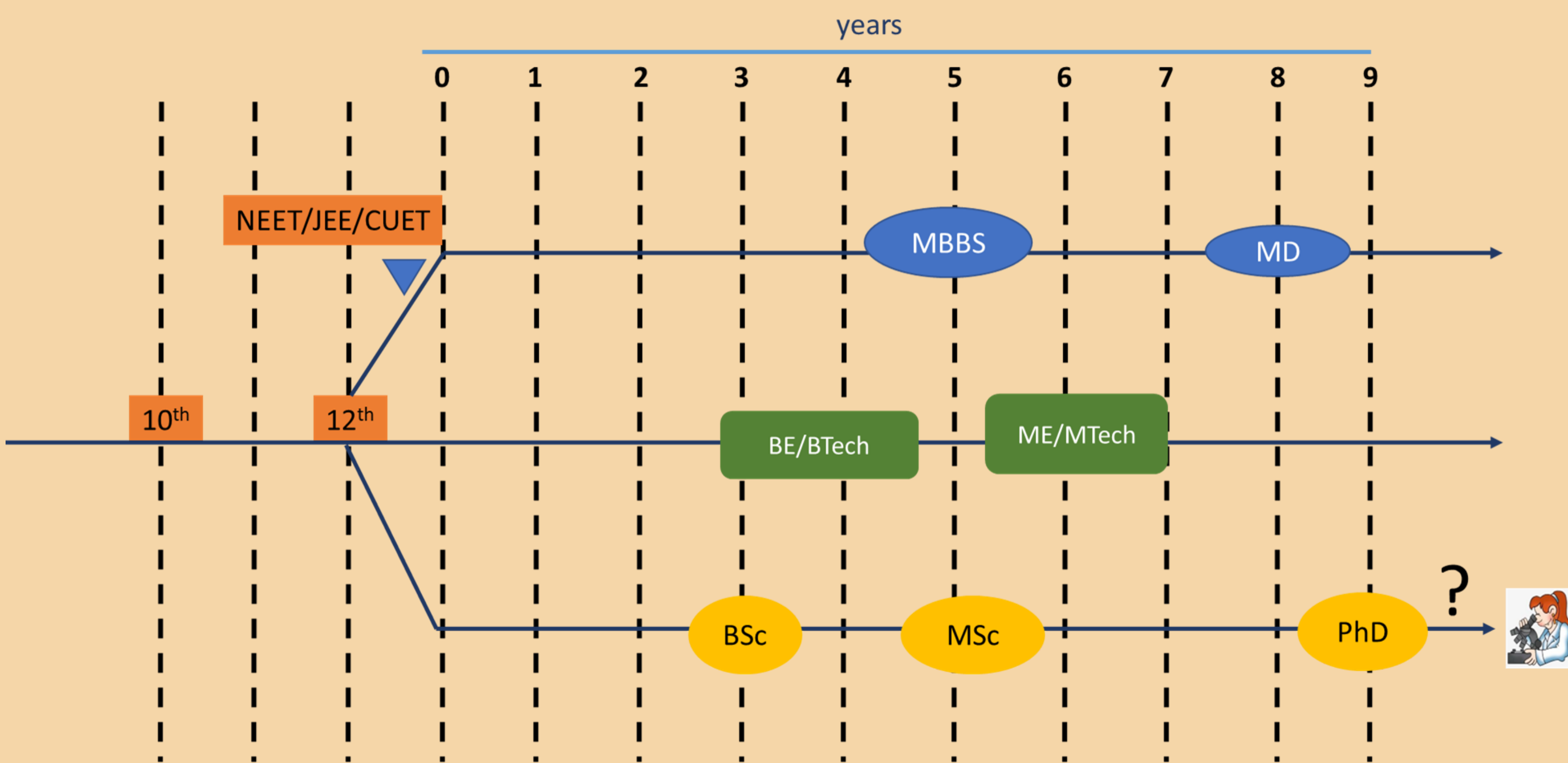
Career/Job/Profession

During your course of career, you would be doing numerous different jobs. **A job is a task or practice that is done to earn money.** It is not your career, but yes an integral part of your career. It is because the type of job you are doing presently will be influencing your future career path.

When you do a **series of connected job or employment** options one after the other, then this builds up your **career path**. Your career is not one job, but a series of jobs. During the course of your career, you are building up skills and moving higher to earn more.

The profession is a term derived from the Latin word 'profiteering.' It means declaring publicly. The precise definition of a profession is considering it as **a vocation identified with specialized training and educational knowledge.** The core purpose of the profession is to offer an objective to the person. A person performs specialized services to others, within a profession.

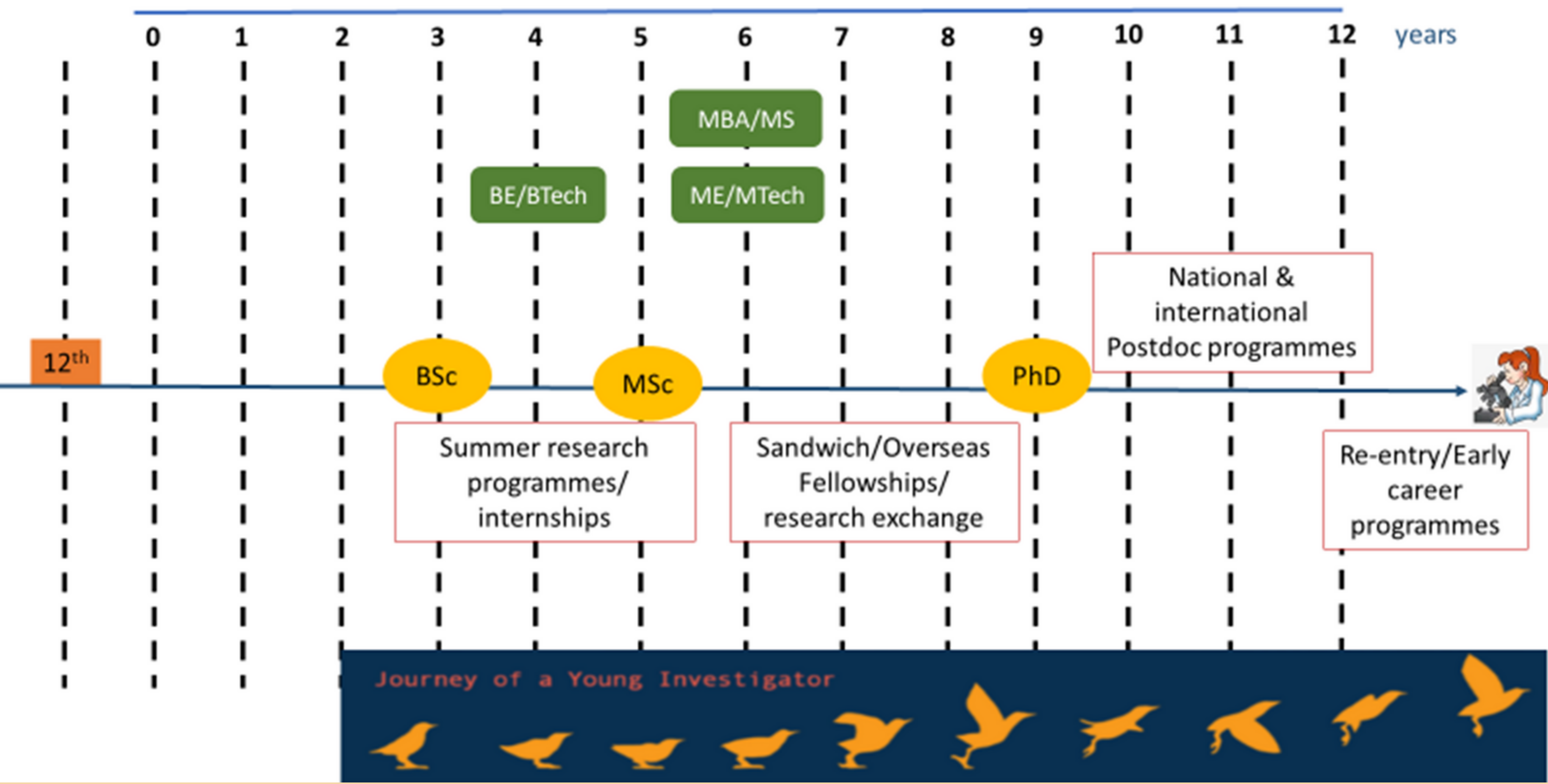
Rough draft map of traditional career



e.g. Career-research

Jobs - research fellow, project assistant, project associate etc
& Scientist is a professional

Fine map of traditional Biotechnology career – Research/Scientist



0-5Yrs

Skills, Personality
(punctuality, appreciate, hard working)

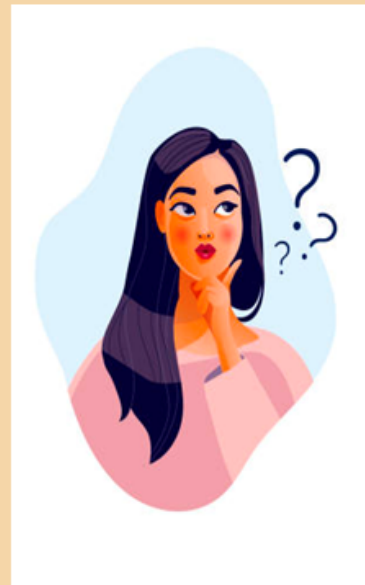


5-15Yrs

Skill (soft & hard)_
Adaptability, communication behaviour, team play, leadership



Skills (soft & hard)
Independent, supportive, networking



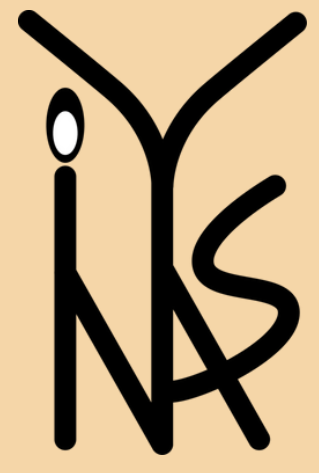
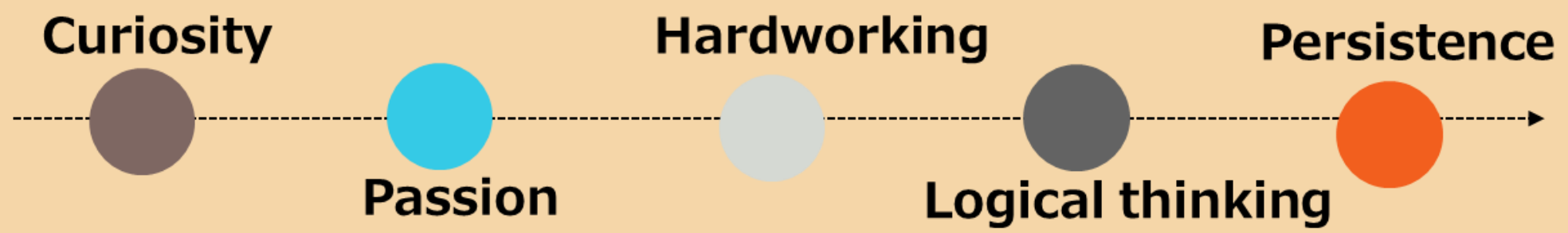
Skills
(real-life links)



15-25Yrs

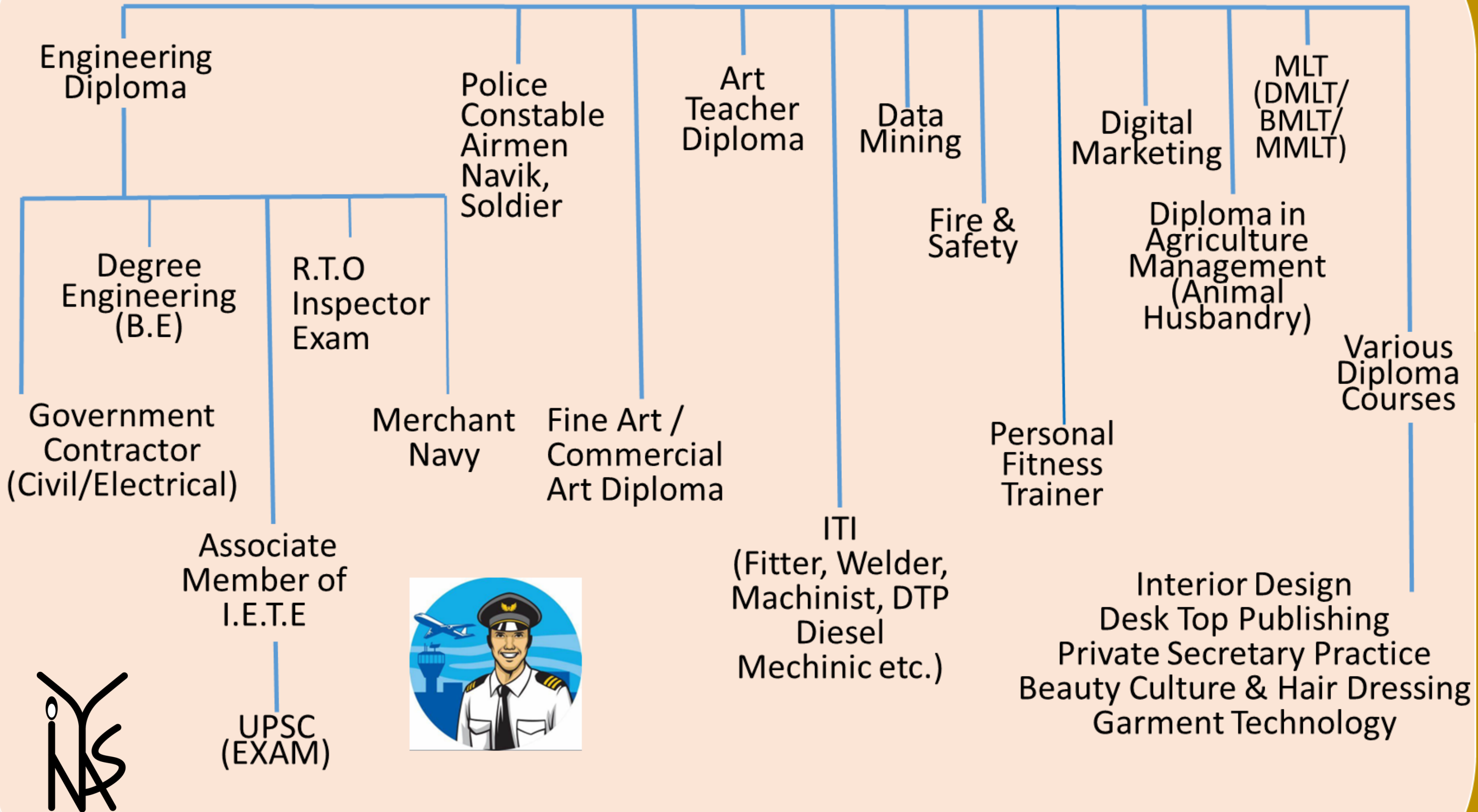
25-35Yrs

What to invest on? Each experience art piece & life is a collage....



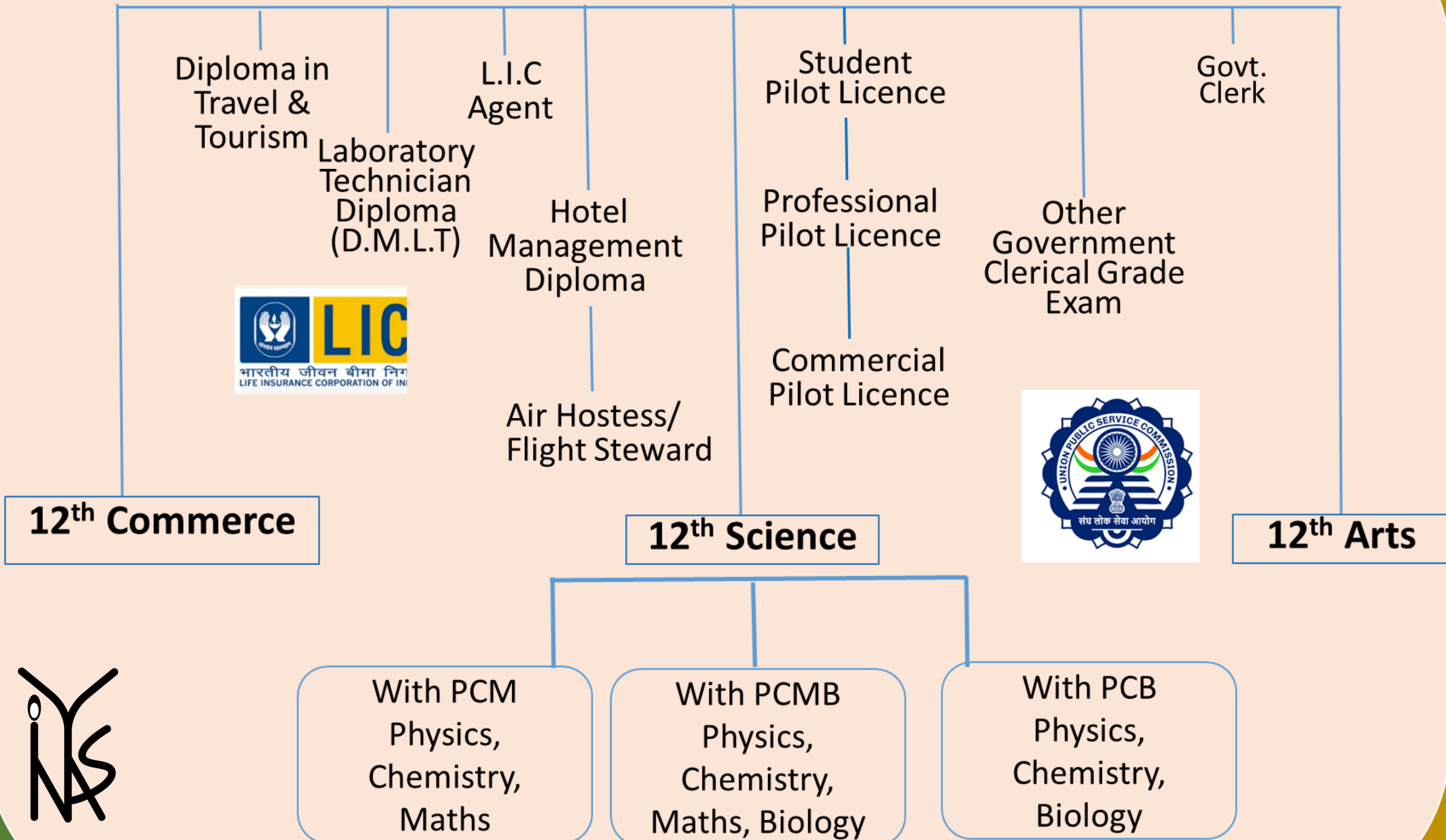
CAREER CHART

10th (S.S.C)



CAREER CHART

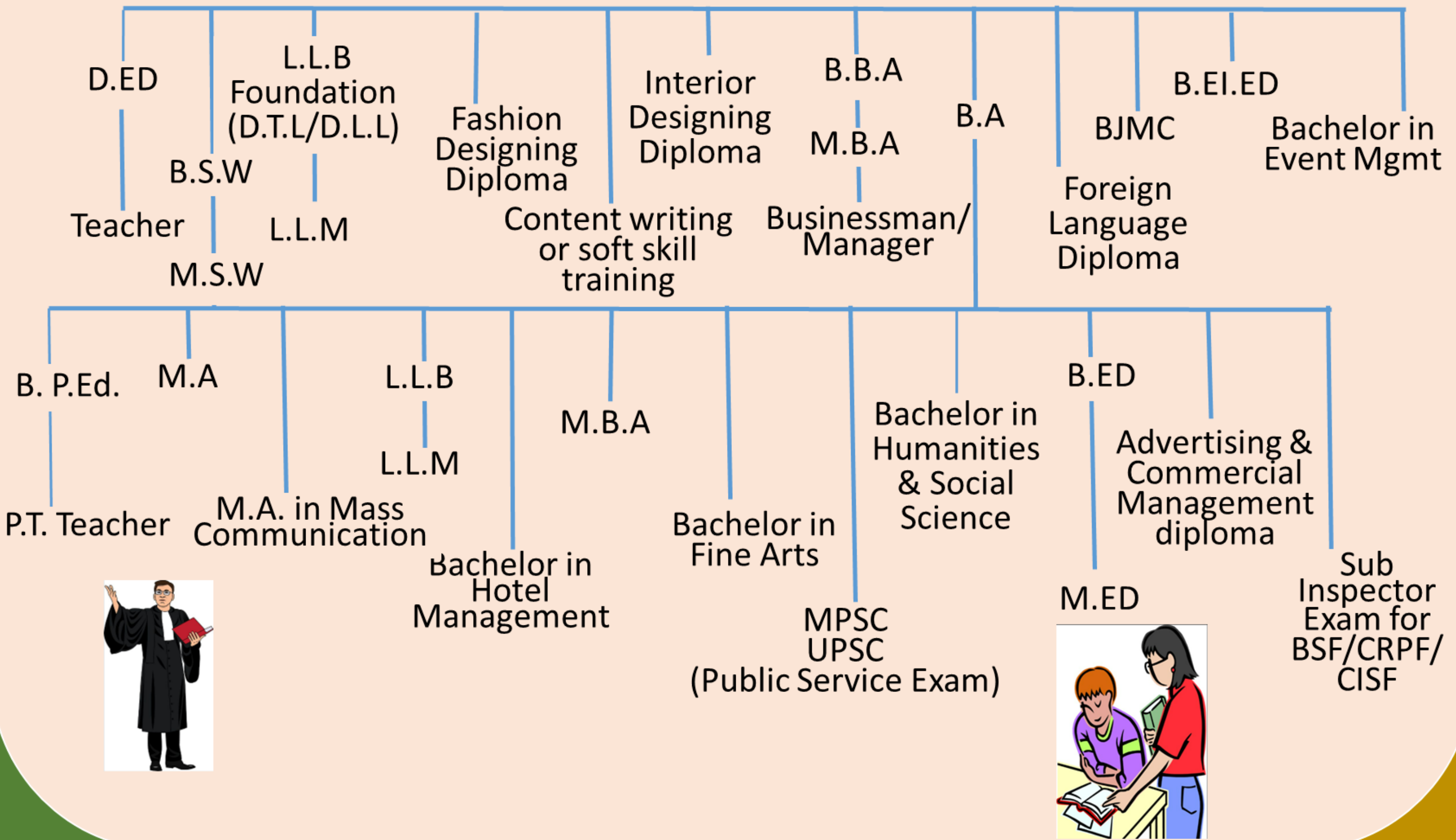
12th (H.S.C)



CAREER CHART

12th (H.S.C)

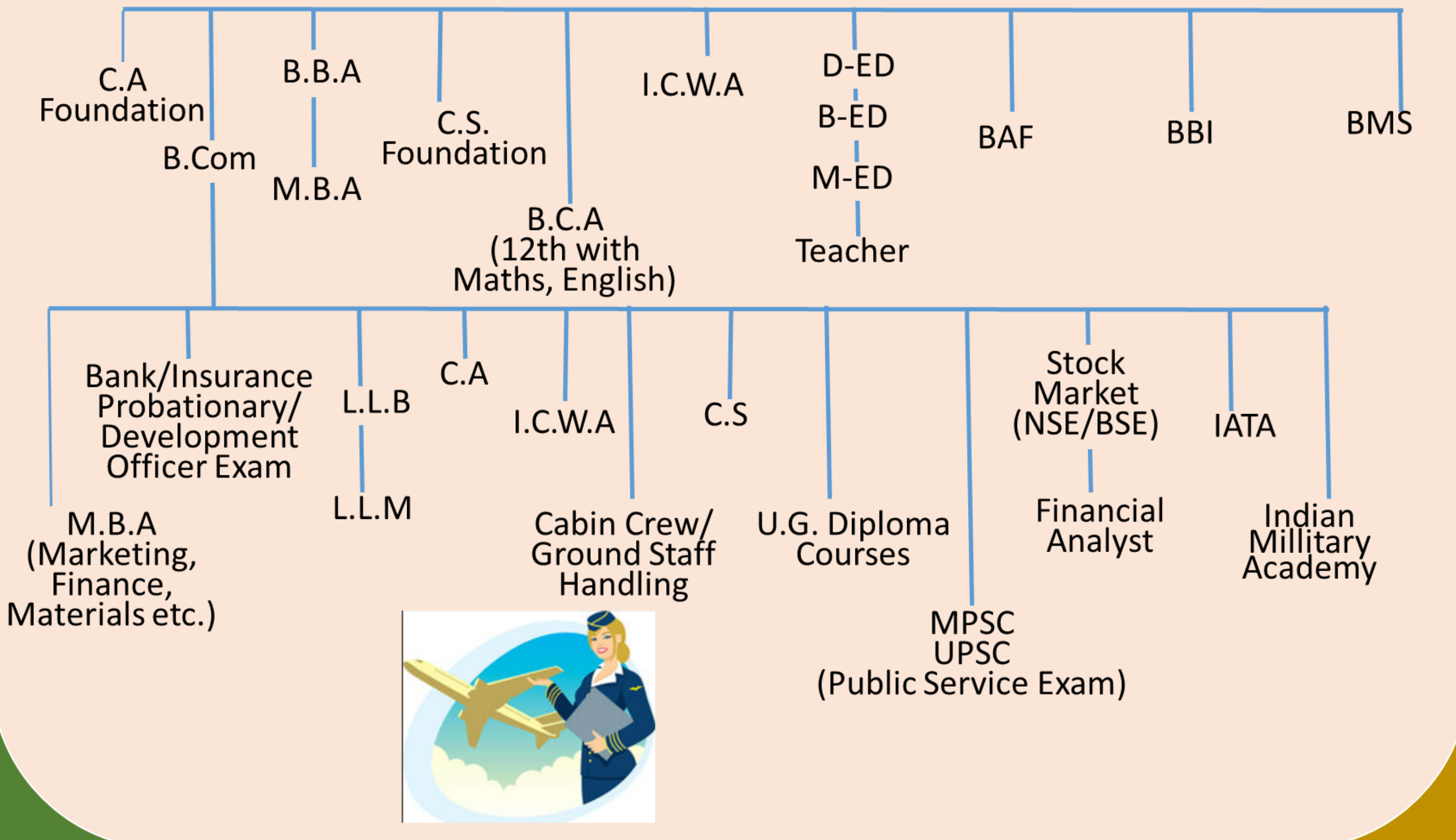
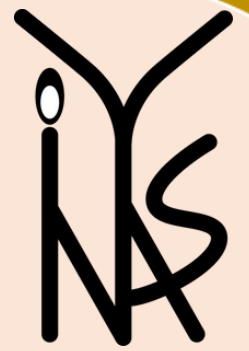
ARTS



CAREER CHART

12th (H.S.C)

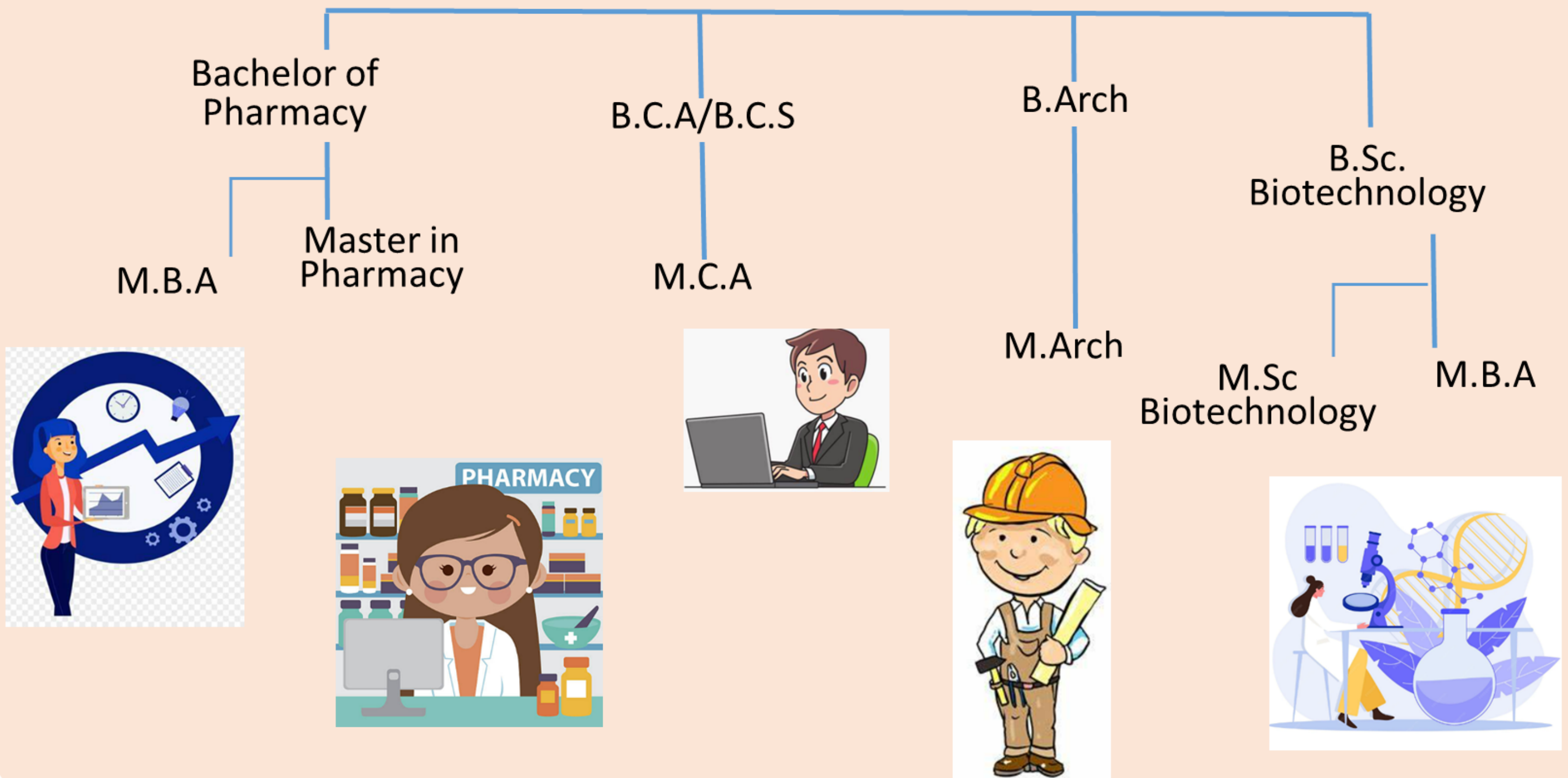
Commerce



CAREER CHART

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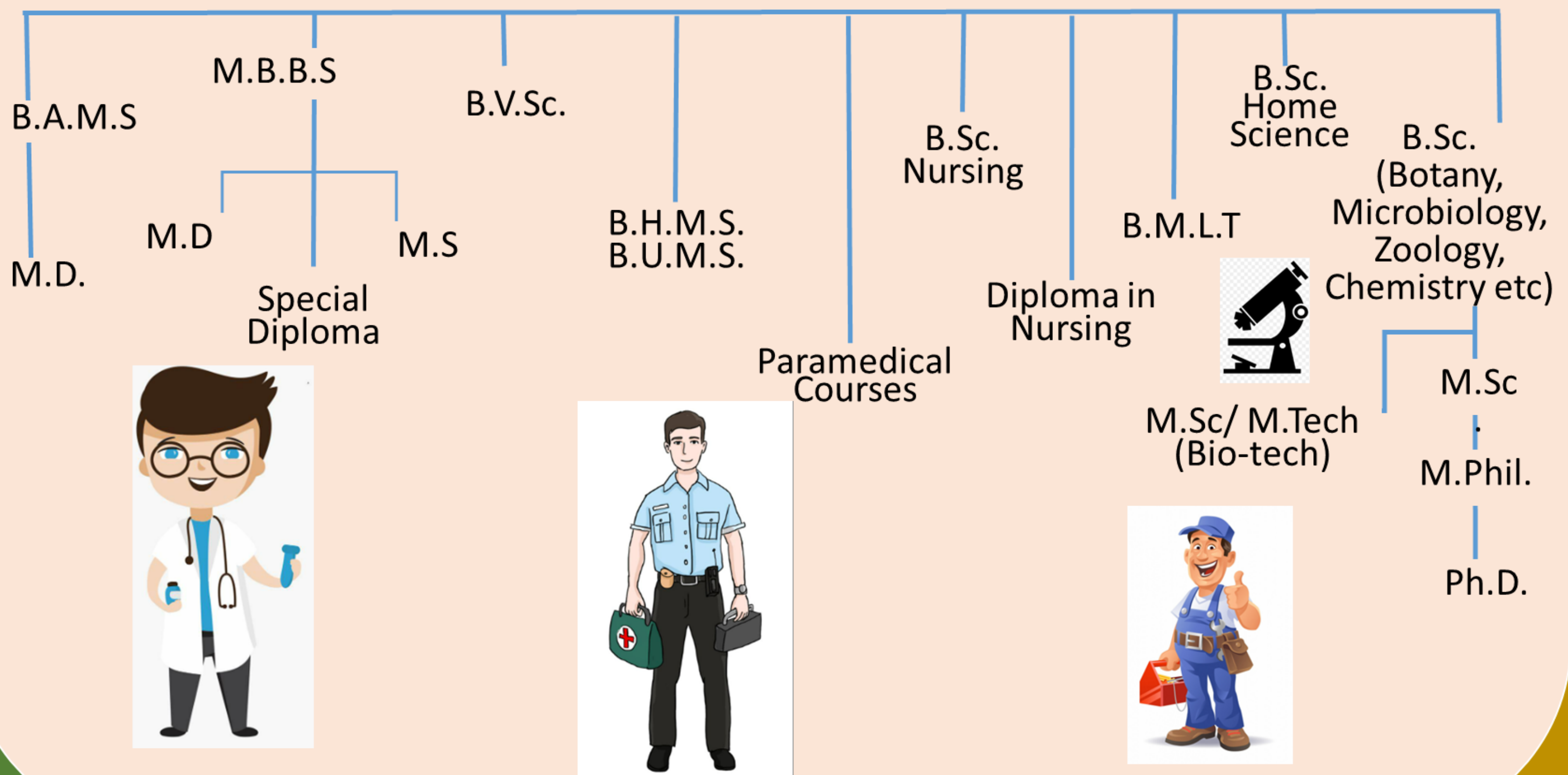
SCIENCE
With PCMB



CAREER CHART

12th (H.S.C)

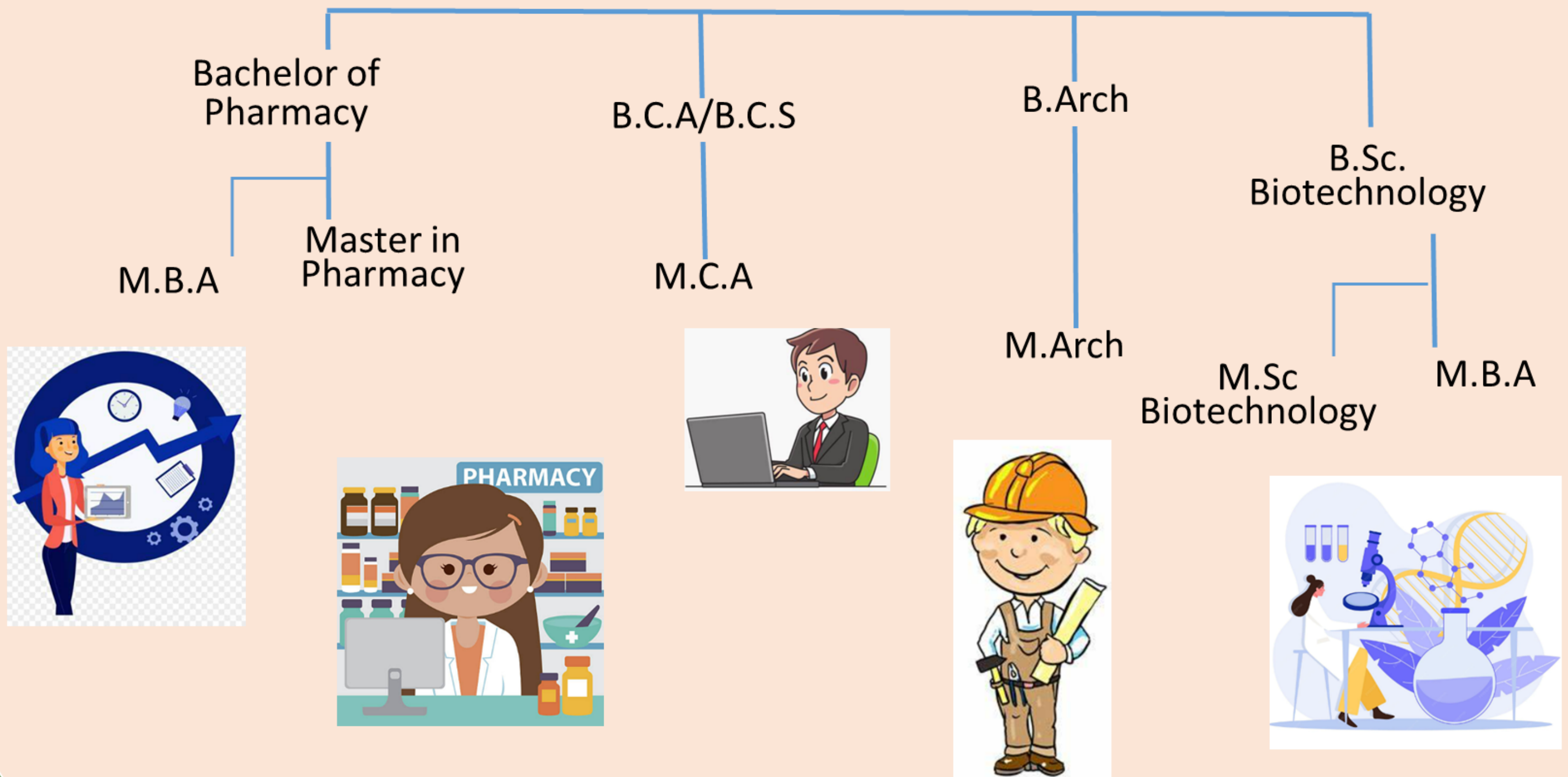
SCIENCE
With PCB



CAREER CHART

12th (H.S.C)

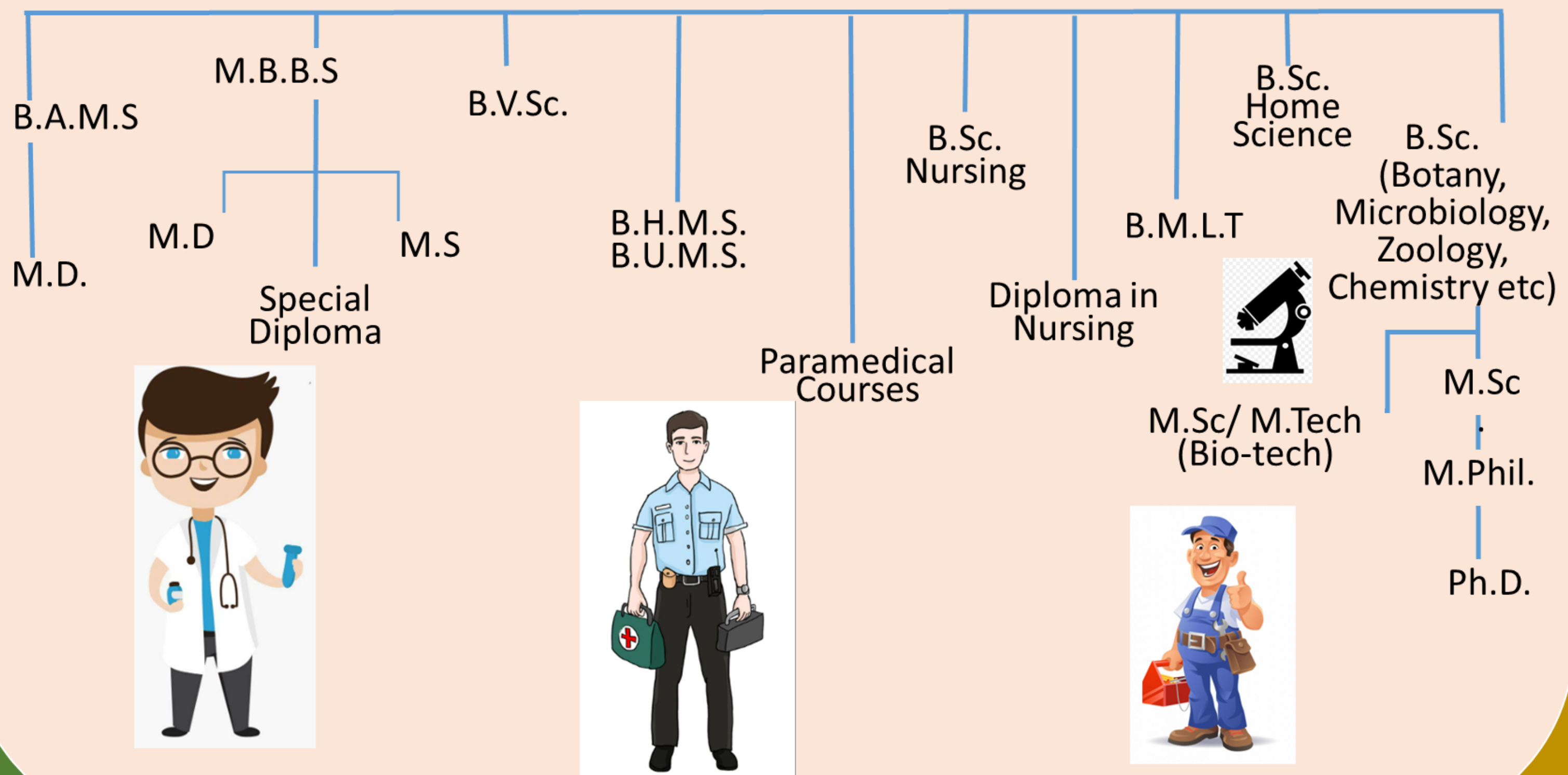
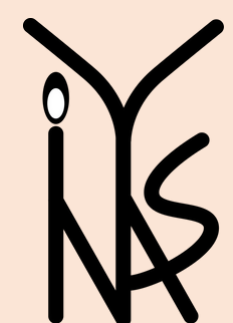
SCIENCE
With PCMB

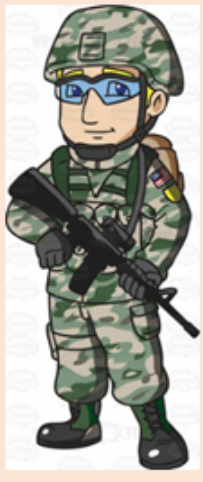


CAREER CHART

12th (H.S.C)

SCIENCE
With PCB

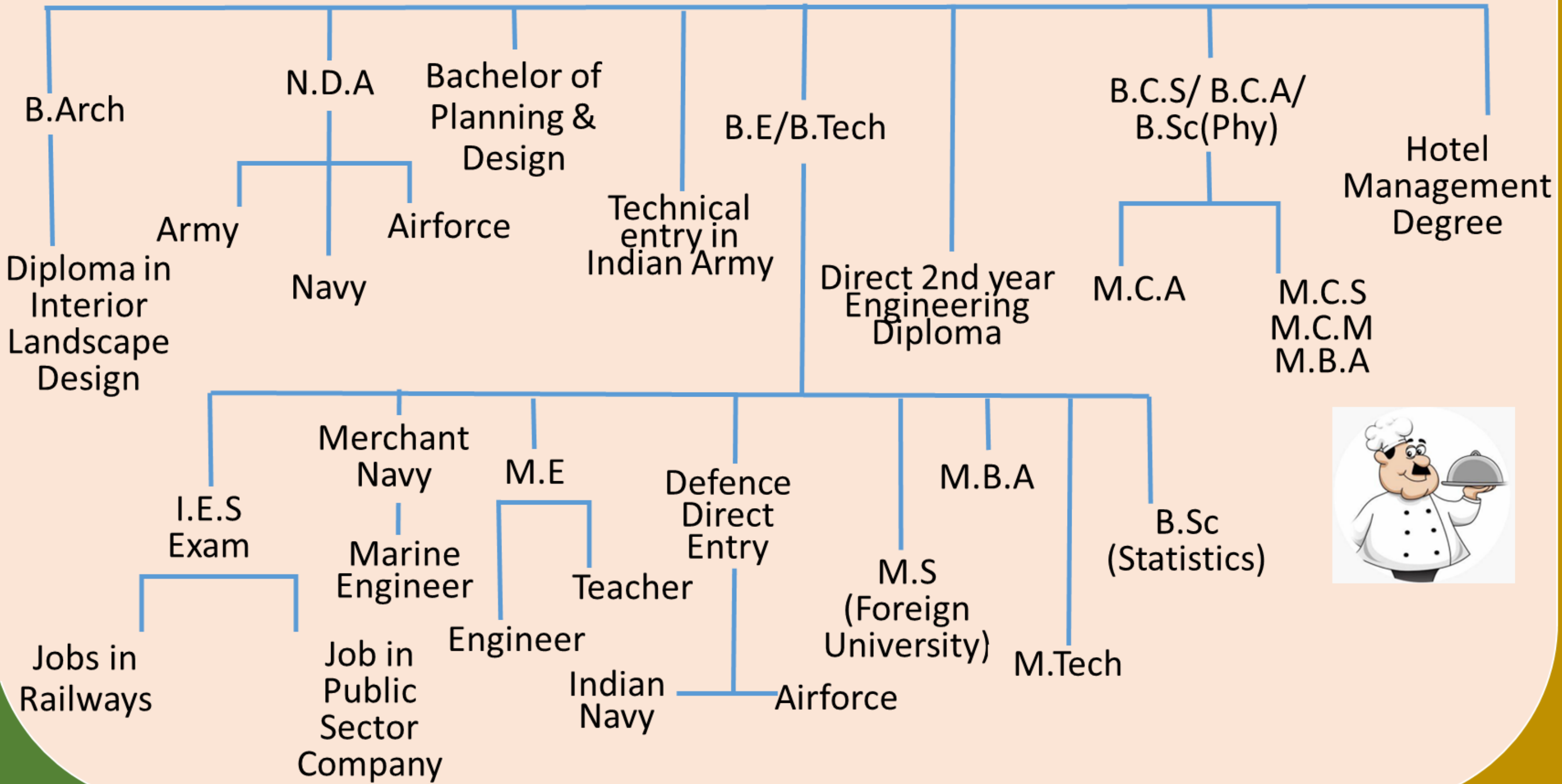
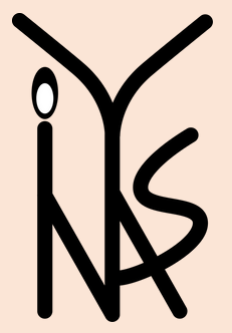




CAREER CHART

12th (H.S.C)

SCIENCE
With PCM



Top 10 In-Demand Skills for 2030-2040

Digital Literacy

Creative Thinking

Augmented Writing

Data Skills

Virtual collaborative working platforms

Sustainable Working

Critical Thinking

Emotional Intelligence

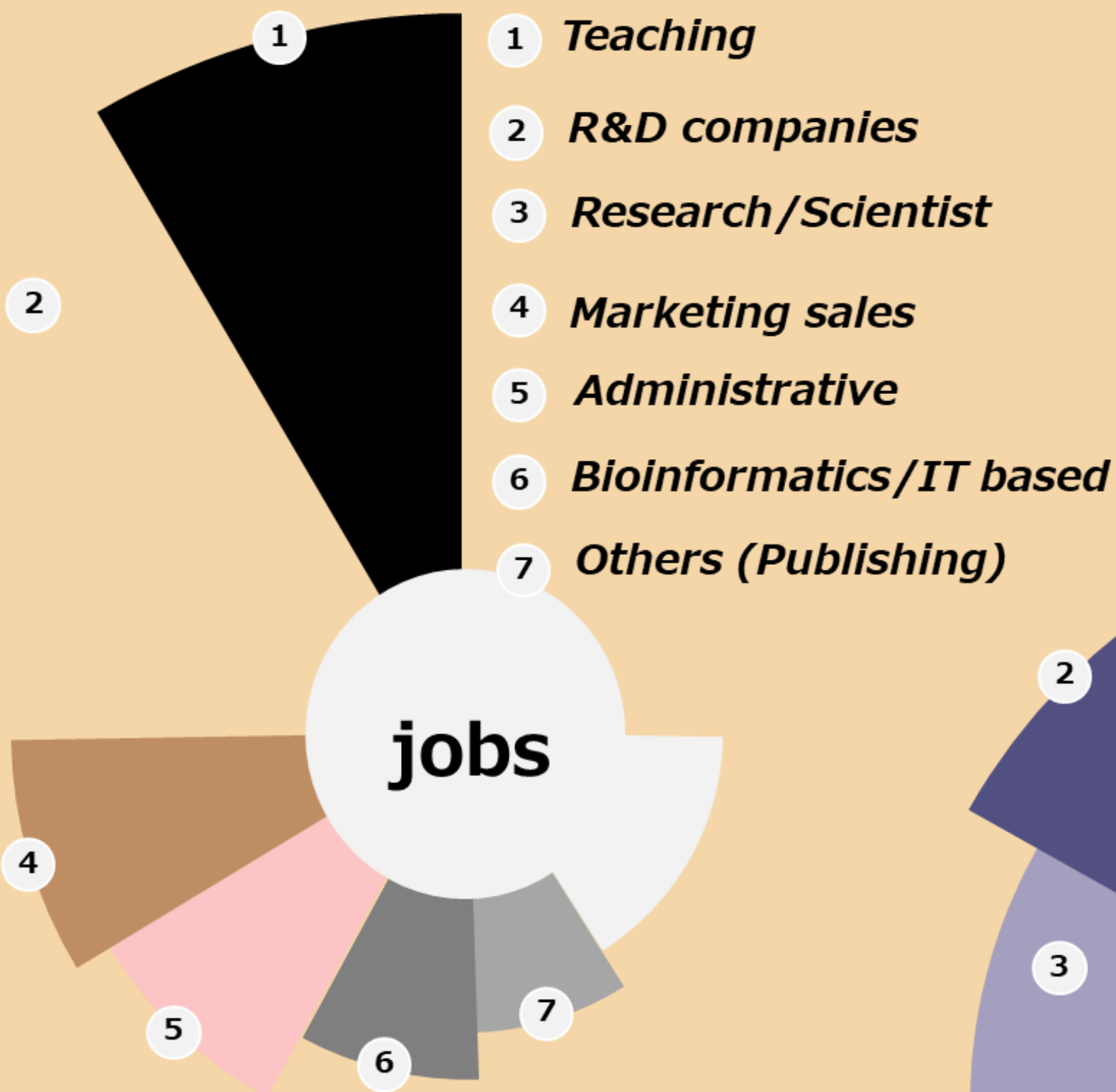
Life-long Learning

Leadership Skills

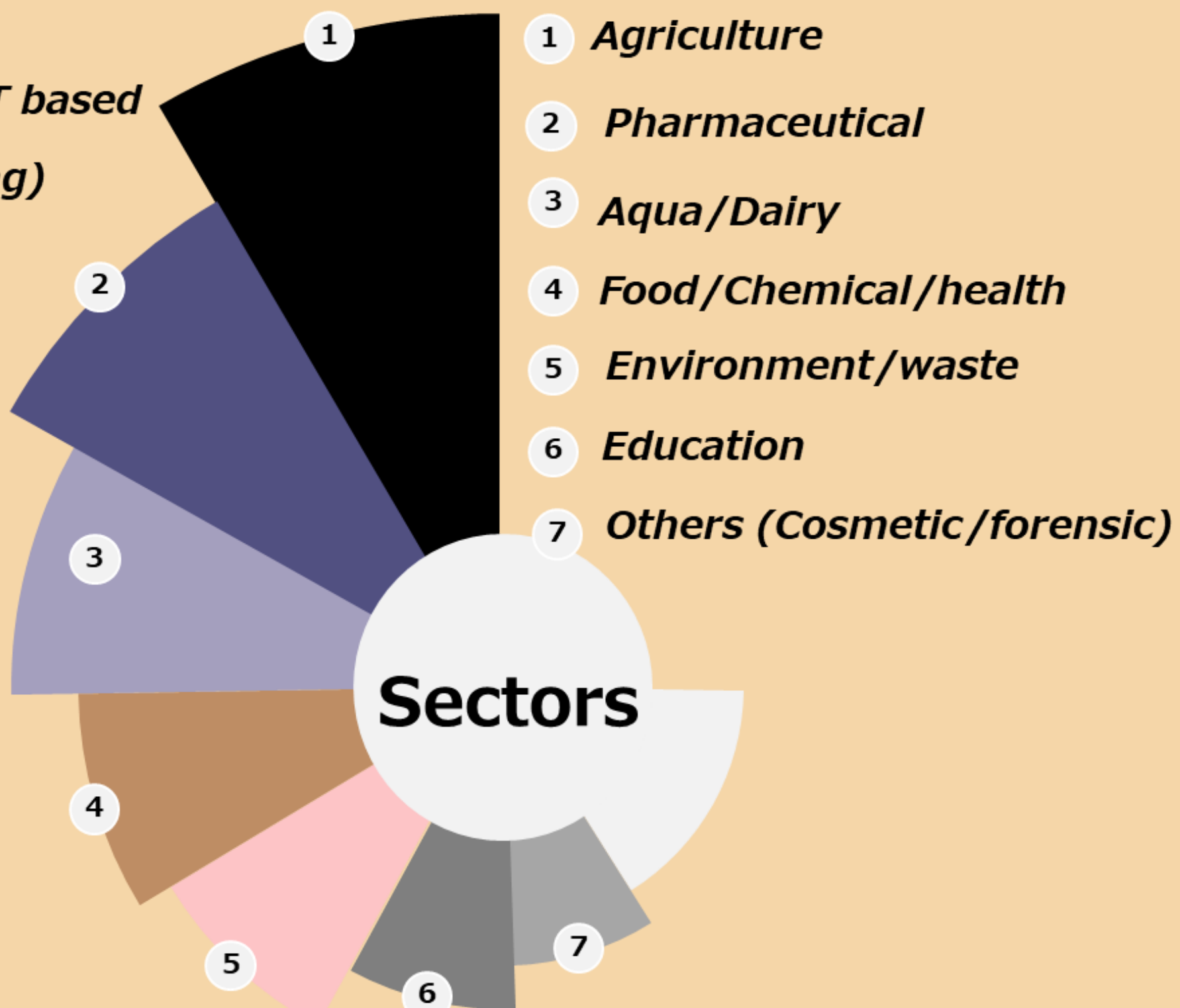




Traditional jobs



Traditional Sectors



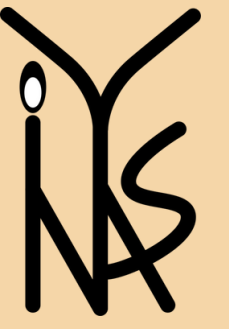
Register with www.ncs.gov.in/.
An Indian Govt job Portal.
For all kind of Private/Govt
Sector job
Together at one place.



National Career Service
सही अवसर, सही समय
Right Opportunities, Right Time

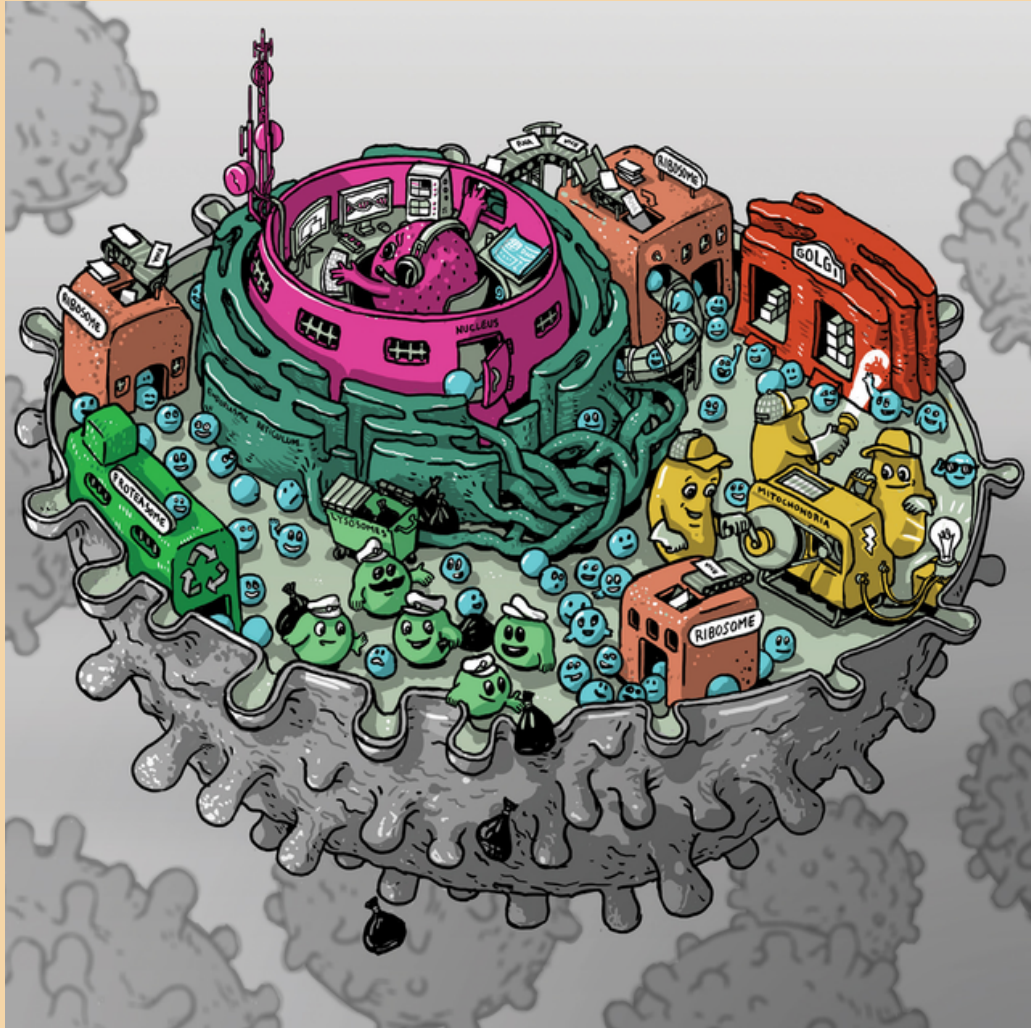


Non-Traditional Career/Jobs



SCIENCE ILLUSTRATOR

Science + Creativity



Quality control in the cell; Science Illustrations 2019

- Science illustrator/ graphic designer
- Drawing skills, digital art....
- books, scientific and popular journals, museum exhibits, websites, mobile apps and other media forms

software programs **Adobe Illustrator**, **Adobe Photoshop** and **Adobe InDesign**.....

Scitoonist, Medical illustrator, animation expert.....

SCIENCE COMMUNICATOR

Science + Communication (oral&writing)



- **Science publishing houses - manuscripts, patents, journals, blogs....**
- **Podcasts, audio-visual programmes, interviews, documentaries.....**

IP analyst/ Attorney

SCIENCE + LAW



Application Scientist

SCIENCE + Marketing skills

Product Stewardship



SCIENCE + Writing skills + law



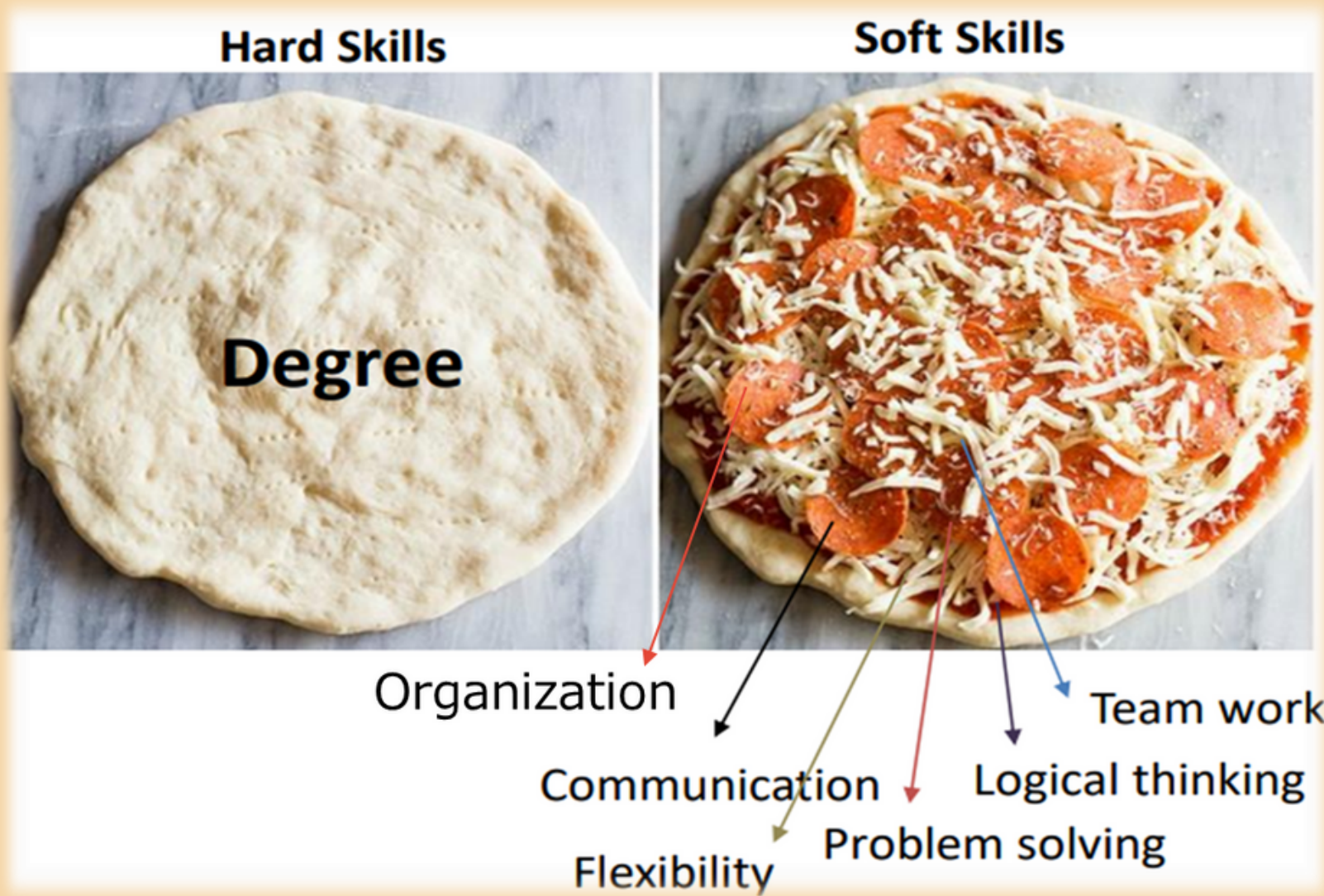
- **Market research scientist** – mine data, market trends……
- **Open innovation scientist** – startups, look for opportunities outside (collaborate)
- **Data Scientist** – computer programming/coding skills + mining data ……
- **Agribusiness Science & Technology**, Green house manager…….
- **Health informatics**, clinical informatics……

Clear path to all career -----Empower yourself, grab opportunities, deliver *outstanding performance*

↓
Sharpen hard & soft skills

↓
Skill development

↓
Tips to follow



- Mentor based
- Self oriented



TIME - most valuable, most scarcest (1440)

- Schedule ur day
Yearly goals taken care
- ❖ MIT
- ❖ Work-life balance
- ❖ Have **SMARTER** goal

SMARTER GOALS.....



- S** Specific
- M** Measurable
- A** Actionable
- R** Relatable
- T** Time-bound
- E** Evaluate
- R** Reward

Fellowships/Talent Examinations



Comparative chart for students interested in science related Competition/Talent exams

Sr.No.	Points of discussion	INSPIRE- MANAK AWARDS	NMMS	KVPY	NCSC	NTSE / STSE
1	Full Form	'Innovation in Science Pursuit for Inspired Research' (INSPIRE) INSPIRE- Million Minds Augmenting National Aspirations and Knowledge	National Means cum Merit Scholarship	Kishore Vaigyanik Protsahan Yojana	National Children Science Congress	National/State talent Search Exam
2.	Organizer Department	Department of Science and Technology (DST) of Central Government and National Innovation Foundation (NIF)	Sponsored by Central government	Department of Science and Technology (DST), Central Government By INDIAN Institute of Science (IISc) Bengaluru	National Council for Science and Technology Communication (NCSTC) of Department of Science and Technology (DST)	NCERT and Education Department of State Governments
3	Objectives	To promote a culture of innovation and creative thinking among school children	To provide scholarship to the meritorious students of economically weaker sections to encourage them to continue their studies at the secondary level by preventing their drop out in class VIII.	To attract talented students for research in science and to prepare future scientists.	To create such a group (forum) of children of 10 to 17 years, whether they are taking formal education or not, who can solve any social problem in a scientific way along with innovation and creativity. Discovery, Understanding Scientific Methods and Applications	Identifying students with high intellectual potential and good academic record and awarding scholarships to encourage them to pursue higher studies
4.	Eligible Institutions	All government and private schools of India	All government schools in the state	All schools and colleges	There is no compulsion for this i.e. any child of 10 to 17 years who go to school or not.	All Government, Private, Kendriya and Navodaya Vidyalayas

- Time is life, cant get back. Dont anything or anybody steal or waste it.
- Identify most important task. MIT (most imp task)
- 2 hr window morning most cognitive thing
- Work based on calender, not to do list
- overcome procrastination, Do things to motivate you.....
- Perfect balance of work and life....day end is when u tired and not when work is finished...
- Carry notebook. or

Young Researcher in India.....

- Self confident; analyze & synthesize
- Adapt to the situation positively (*Flexibility*)
- Dedication & hard work, set goals & prioritize
- Adding soft skills till last breath
- Never work in isolation, build team, collaborate
- Be productive, your own yardsticks, challenge every time
- Don't miss deadlines (calendar in pocket/notepad)
- Don't be outcome oriented, fail...but...enjoy the process
- Stigma's in scientific environment...
- Try to carve your own niche...
- Enrich yourself daily - social skills (teambuilding, relationship, reputation, accelerate growth)

Woman in Science



- ❖ We are in the same storm; but not in same boat
- ❖ Unique qualities; social fabric-lead, decide, care
- ❖ Remove stigma from our mind (5:95; 10:90)
- ❖ Leave imprints - not as a woman, as individual

Let 'SCIENCE' lead despite gender.....

- ✓ Fear of failure; society.....what others think?
- ✓ Don't compare; U with others? With situations? Within urself
- ✓ Always give best shot.. Do it as it's the last opportunity
- ✓ Live your dream. Be a child-like till death...be unstoppable
- ✓ Have unshakable faith on your goal.....



“Be captain of your thoughts,
define your worth, be worthy
believe you can make it”

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