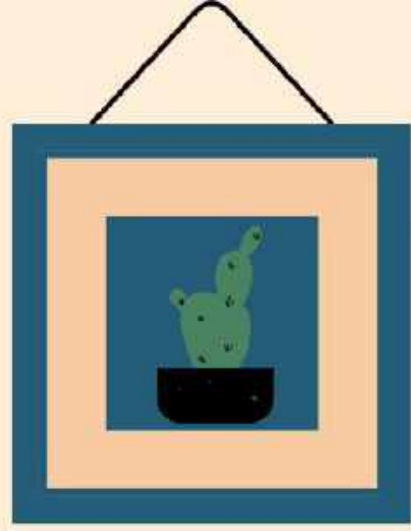




WHERE IS BIOLOGY INDUSTRY GOING

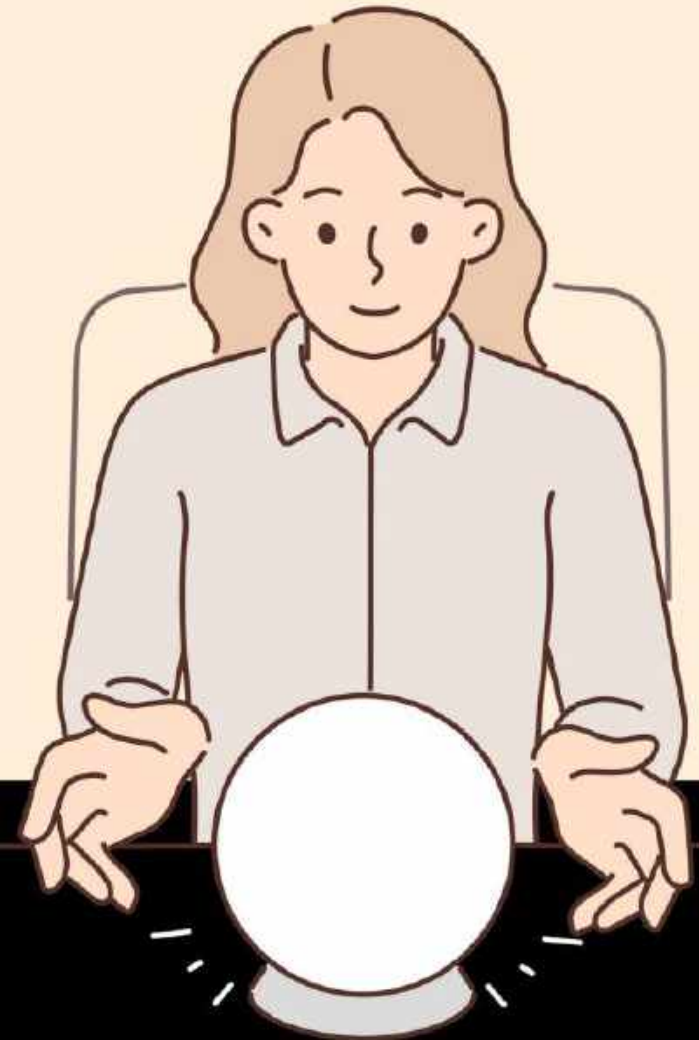


THE FUTURE
IS BRIGHT

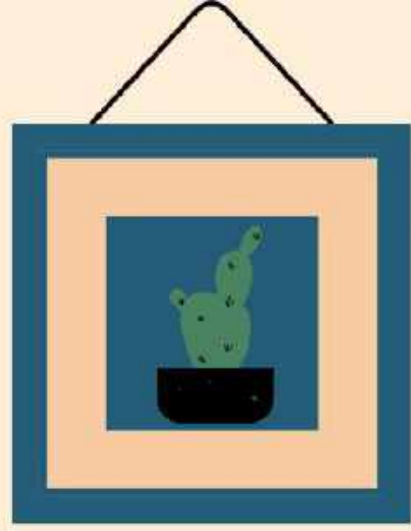
HOW TO PREDICIT THE FUTURE?

PAST EXPERIENCE \neq FUTURE

PAST TRENDS = FUTURE PREDICTION



Apna Time Aayega



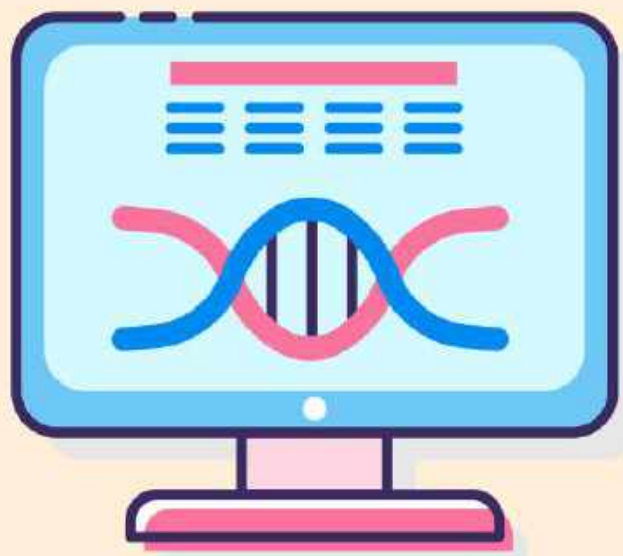
BHARAT IS TARGETING TO BE A 5 TRILLION DOLLAR ECONOMY



Apna Time Aayega



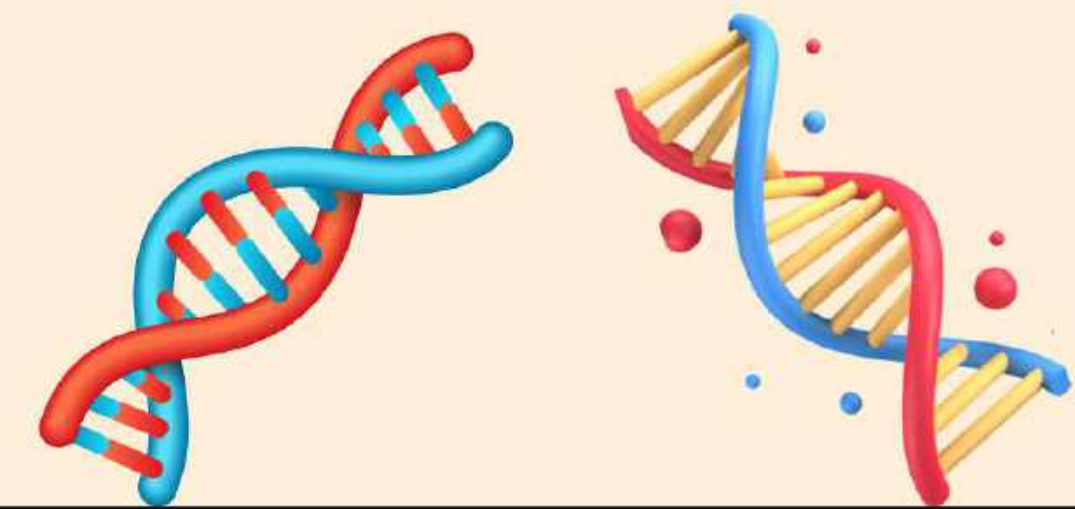
IT COMPANIES INVEST HEAVILY IN AI, ML & BIOINFORMATICS



Apna Time Aayega



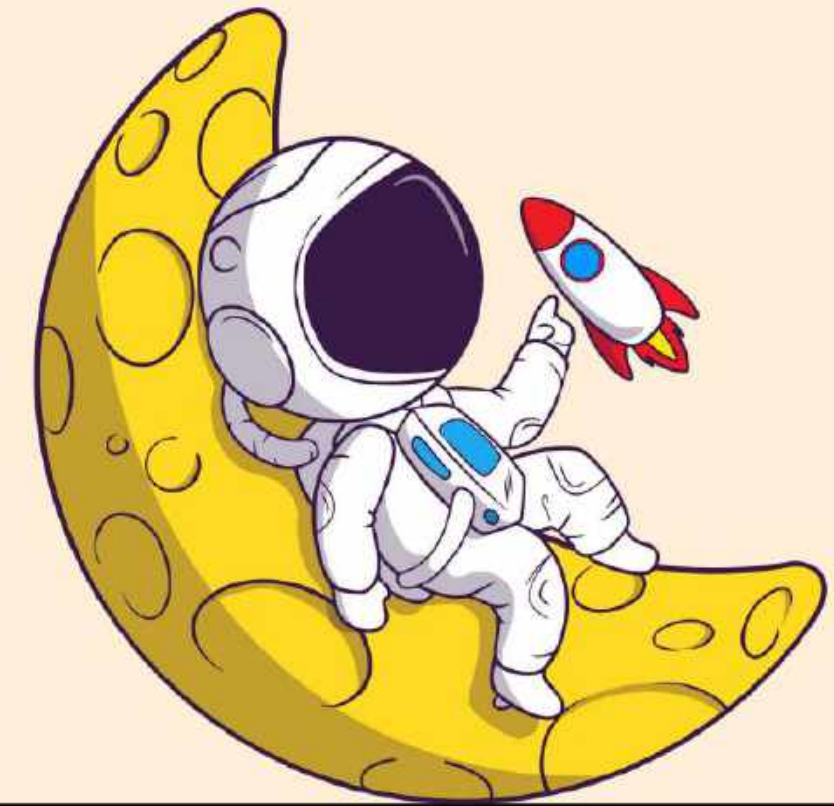
DATA STORAGE IN DNA - TO BE READY BY 2025



Apna Time Aayega



INDIA TO PUT MAN ON THE MOON BY 2030



Apna Time Aayega



TO BE A PART OF THE FUTURE BIOLOGY



biotecnika
Global

Apna Time Layega



CRICK ★ STAR SCHOLARSHIP & AWARDS



Apna Time Aa Gaya



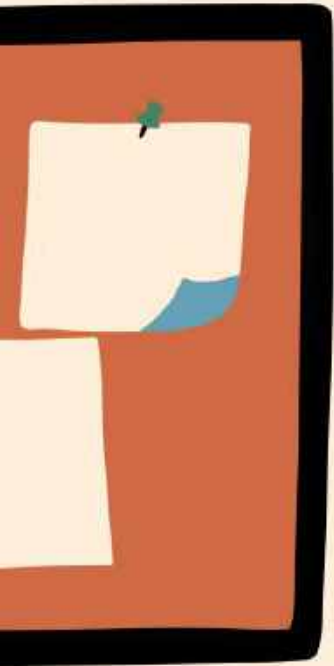
FRANCIS CRICK

1916 - 2004

British biophysicist & Molecular Biologist

WHY CRICK STAR AWARD?

- Smart Talent Achievement Recognition Award
- Recognizing Your Hidden Potential
- Sharpening your Glow
- Presenting it to the world in Style



AWARD DESCRIPTION

FIRST You Win a Scholarship

And we train you under our Special
CRICK STAR Training Program

Then you win an Award at the Awards Night

You receive an award at an award Night from
the CEO of a renowned Biotech company in
Bangalore

SCHOLARSHIP GOALS

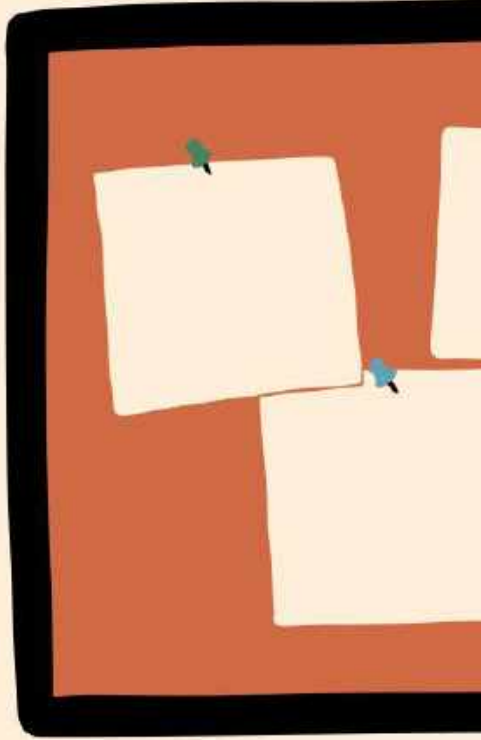
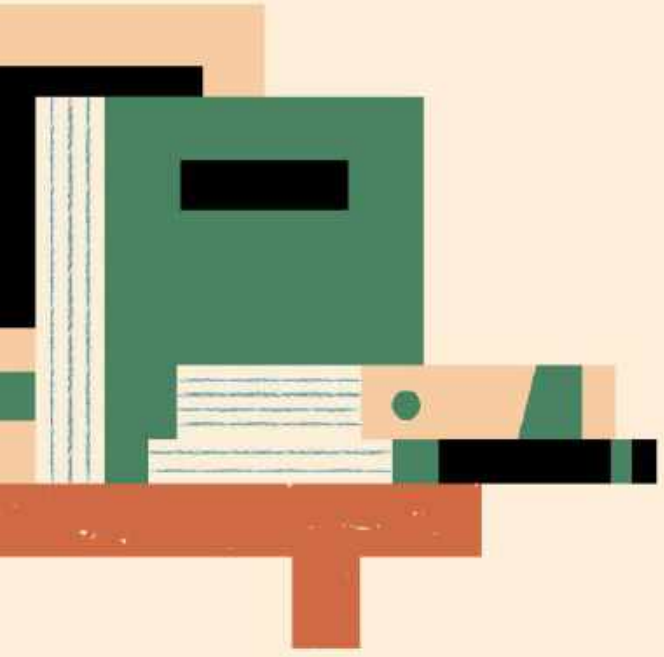
What specific knowledge and skills will the students be able to demonstrate upon the completion of the course?

Job Placement

Hands on Internship

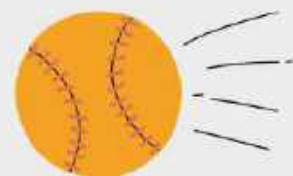
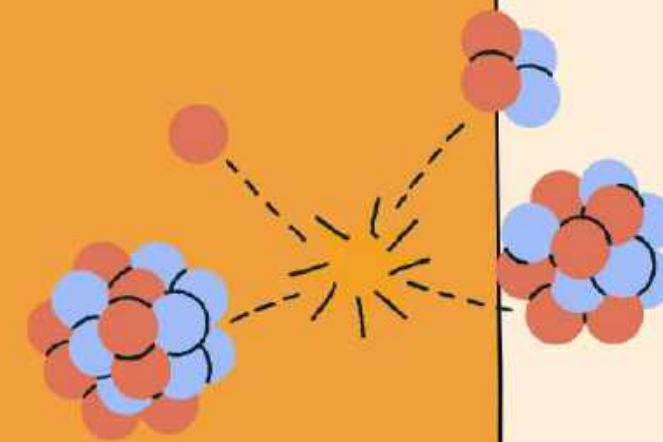
Mentoring

Coaching





What's Included in CRICK STAR Scholarship



For the First time in India, International Gold Standard of Research Career will be implemented





The Placement assistance



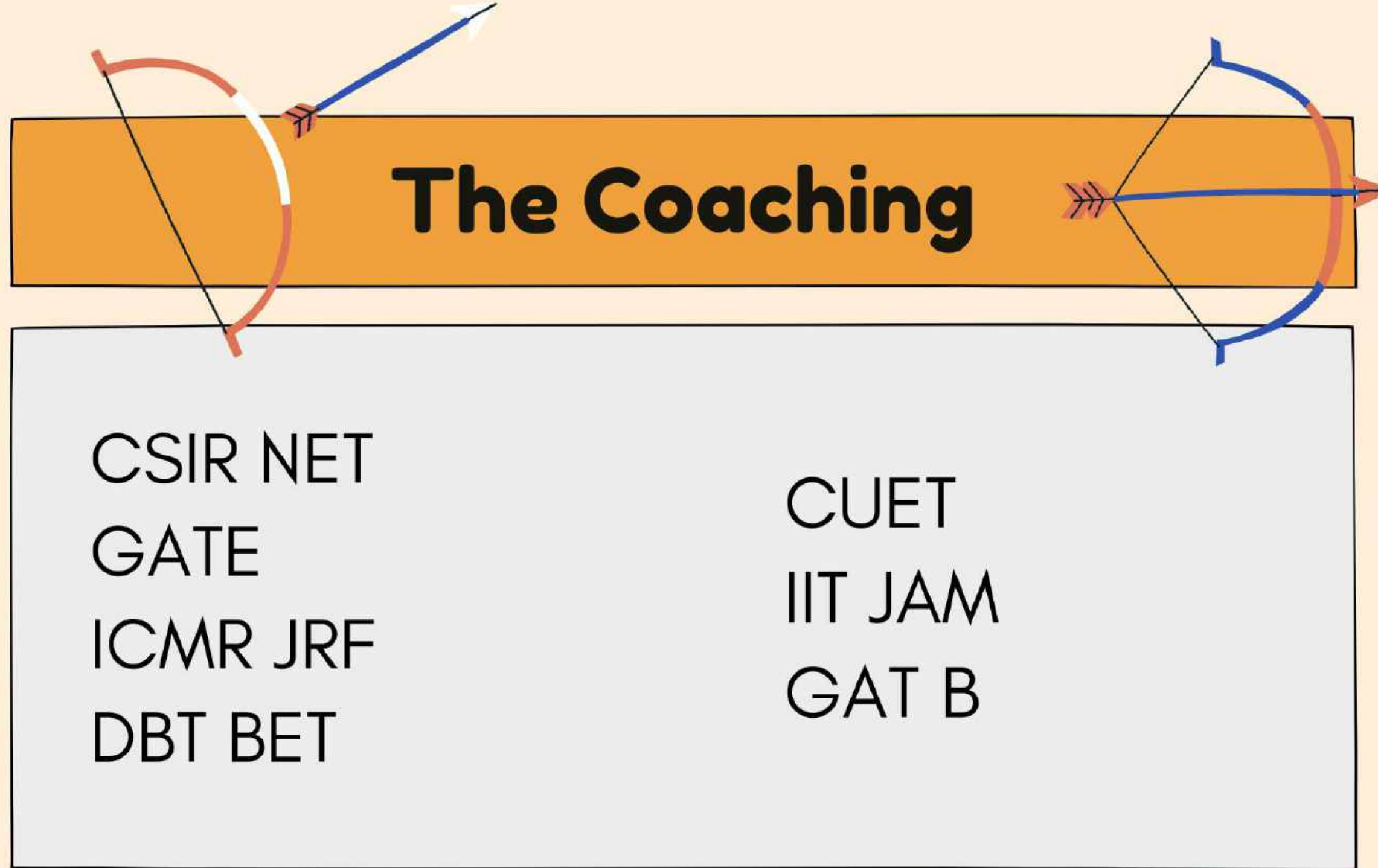
At the end of this program, Biotechnika will provide Placement assistance and Guaranteed 10 Interview opportunities in various Biotech & Pharma Companies in India



The Stipend



4 Selected Students will get a Science Journalism & Scientific Writing Internship with Stipend



The Coaching

CSIR NET
GATE
ICMR JRF
DBT BET

CUET
IIT JAM
GAT B

WHO WILL TEACH

Experienced Faculty

14 Full time Regular Faculties will train you for CSIR NET Life Sciences Exam

Personalized Attention

24X7 Chat Support + Whatsapp Support



ANIMATIKA ZONE

biotecnika
Your Bio. Resource

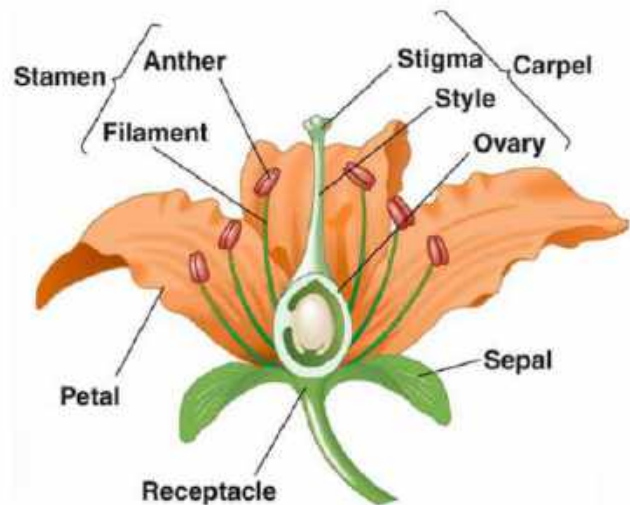
CONCEPT REVISION TOOLS

Revise Smarter, Recall Faster

- Konzept Notes
- Konzeptika Flowchart Books
- Konzept Mindmaps
- Konzept Cloud
- Konzept Table
- Konzept Wheel



Structure of flower



Parts of the flower

Sepals

- A sepal enclose and protect the flower bud
- it is green in colour more like as leaf type..

Petals

- petals are modified leaves surrounding the reproductive part of the flower
- they are brightly colored and unusually to attract pollinators

Stamens

- The stamen is the pollen producing reproductive organ of the flower
- collectively stamens form androecium

Carpels

- The female reproductive organ of the flower
- consisting of an ovary, stigma and usually a style, it may occurs in single or as group



DNA and Human Inheritance



CELL
basic building block of living things



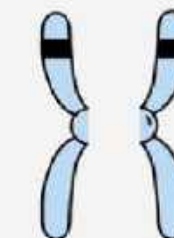
CHROMOSOME
bundles of tightly-coiled DNA found in the nucleus



DNA
(deoxyribonucleic acid) contains the genetic code



GENE
contains instructions that determine individual traits

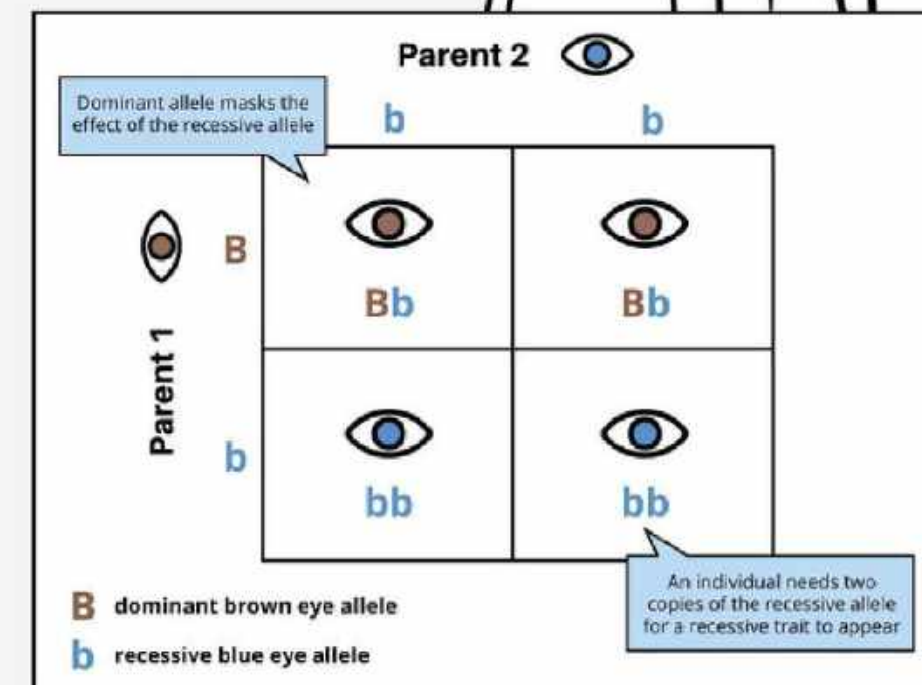


ALLELE
an alternative form of a gene

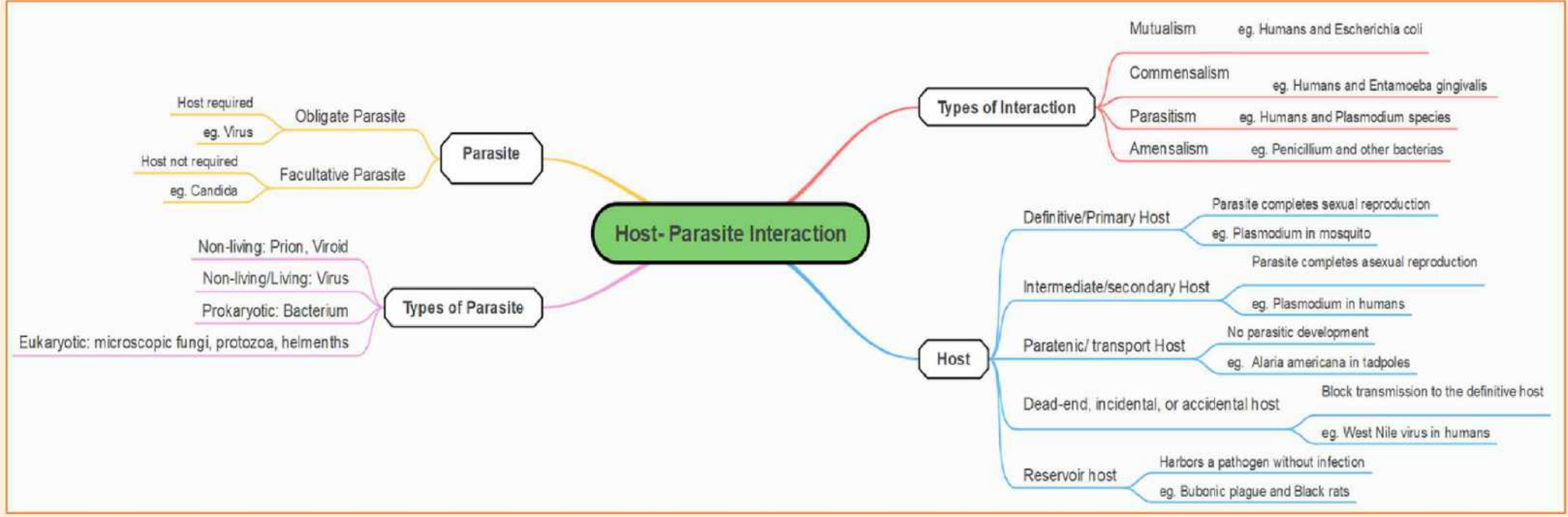
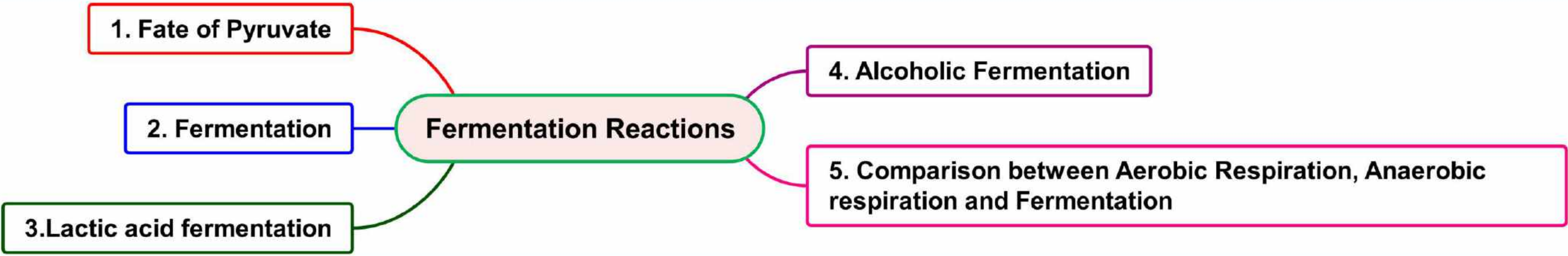
Individuals inherit two alleles—one from each parent



Dominant and Recessive Alleles



KONCEPT MIND MAPS



KONCEPT TABLE

DIFFERENCE BETWEEN GLYCOGENOLYSIS AND GLYCOGENESIS

GLYCOGENOLYSIS

Formation of glucose by breaking down glycogen molecules stored in the liver

Breakdown of glycogen to form glucose- 6-phosphate

No UTP required. End product G-6-P enters either gluconeogenesis or glycolysis

Hydrolytic process

Stimulated by glucagon and epinephrine signaling (glucagon becomes active when blood glucose level is low)

Stimulated by fasting, between meals physical exercise

Catalyzed by the enzyme glycogen phosphorylase

Glycogen phosphorylase gets activated

GLYCOGENESIS

Conversion of the excess glucose into glycogen for future usage

Conversion of glucose-6-phosphate into glycogen

UTP is required to transfer glucose into existing glycogen chain

Anabolic process

Process initiated by insulin signaling; (insulin becomes active when blood glucose level is high)

Stimulated in well fed state

Catalyzed by the enzyme glycogen synthase

Glycogen synthase gets activated upon

DIFFERENCE BETWEEN KREBS CYCLE AND GLYCOLYSIS

KREBS CYCLE

Series of chemical reactions in which pyruvate is converted to acetyl CoA and is completely oxidized into carbon dioxide and water

Second step of the cellular respiration

Occurs inside the mitochondria in eukaryotes

Occurs only in aerobic respiration

Cyclic process; common cycle for carbohydrates, amino acid and fat metabolism

End product is an inorganic carbon substance

Consumes no ATP

Produces 3 NADH molecules and 1 FADH₂ molecule in 1 cycle

GLYCOLYSIS

Series of chemical reactions in which a glucose molecule is converted into 2 pyruvic acid molecules

First step of the cellular respiration

Occurs in the cytoplasm

Common to both aerobic and anaerobic respiration

Linear process; exclusive for carbohydrate metabolism

End product is an organic substance

Consumes two ATP molecules

Produces 2 pyruvate, 2 molecules of ATP (NET) and 2 NADH molecules

KONCEPT CLOUD

UNIT 3 FUNDAMENTAL PROCESSES

biotecnika
Your Bio Resource

RELEASE FACTORS OF TRANSLATION TRANSLATIONAL
GENETIC DISEASES ASSOCIATED WITH DEFECTS IN REPAIR SYSTEM **tmRNA** TYPES OF GENE MUTATIONS **PROOF-READING**
SIGNIFICANCE OF IRES
DNA POLYMERASES-TYPES CAUSES OF MUTATION
INHIBITORS OF REPLICATION MECHANISM OF DNA LIGASE
TELOMERE REPLICATION **AMES TEST**
LYTIC AND LYSOGENIC PHASES
ELONGATION FACTORS OF TRANSLATION
SITE-SPECIFIC RECOMBINATION **TRANSLATIONAL INHIBITORS**
MECHANISM OF DNA POLYMERASE **GENE SILENCING METHODS**

KONCEPT WHEEL

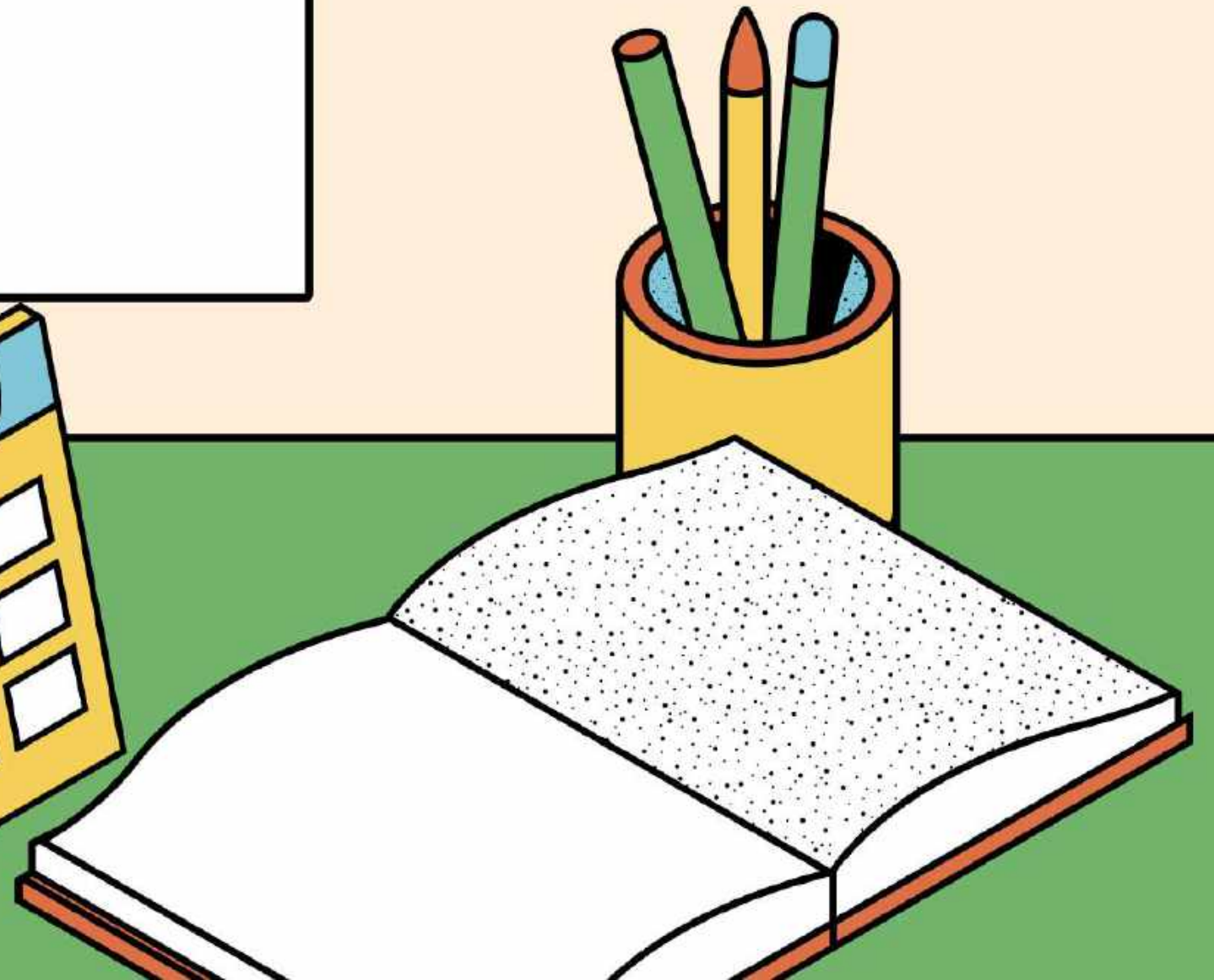


SMART MOCK TESTS

Every Sunday and Monday

Cumulative Tests taken by AI

Personalized Feedback by Teachers



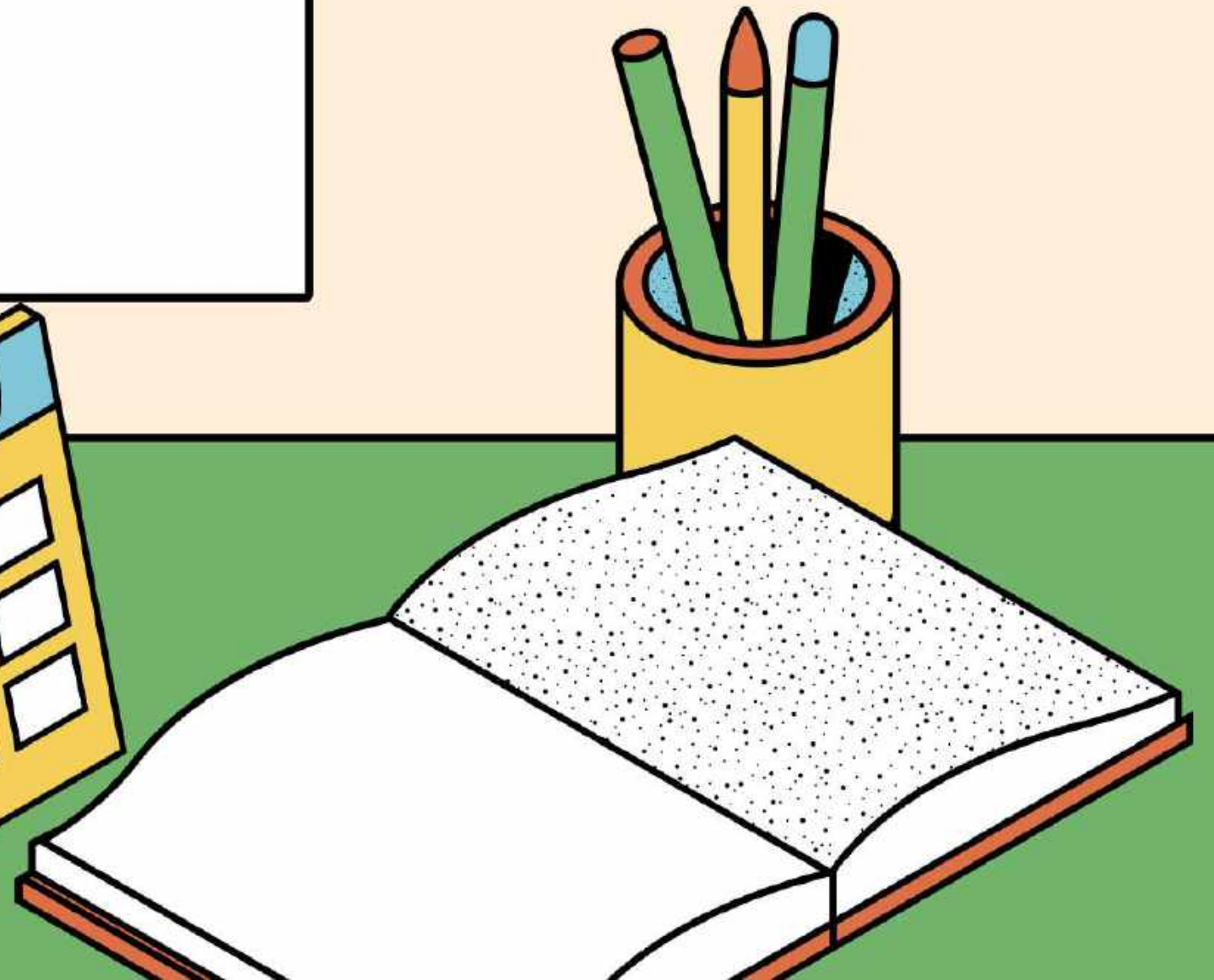
SMART REVISION BOT

Finish a Topic

Ask the Bot to ask questions from that

Topic from the csir net PYQs

Solve & Revise faster





The Internship

Proteomics Hands on Internship
Bioinformatics Global Research Internship
Coding for Biology Internship
Molecular Biology Techniques Internship





Certification Course

4 Certification Course (of your choice) Worth Rs
6000/- Included in this Scholarship





24 Workshop

1 Year membership of Workshops Worth
Rs 9000/- included in CRICK Star
Scholarship





IISc & JNU Incubated Labs Hands on Training

15 Days Wet Lab Hands on Training Included
Any technique of your Choice, Any date of
your Choice
Inform 15 days in Advance to book the lab



Meet Your Global Mentors Network

120+ Experts = Your Air Traffic Control = International Exposure



Who are They?

**Working in Foreign Biotech Companies, Research Labs, and Govt Labs
across the globe.**



Why International Exposure is Important?

Biggest Market of Biotech exists out of India, You can learn from the Top experts and strategize better





Conference VIP Pass

CRISPR CONGRESS 2023: Virtual Conference
Scheduled for Nov 2023

You will get VIP Access to the Conference
Also opportunity to Present your Poster or
Paper





Recommendation Letter

All Meritorious Candidates will get 3 Letters of Recommendations from our Team of Global Experts





3 Industry References



You will get 3 Relevant Industry References so that you can get Jobs faster



A decorative graphic featuring two bows and arrows. One bow is on the left, and another is on the right. A blue arrow points upwards from the top left, and another blue arrow points to the right from the right side. The bows are drawn with red and blue lines.

CV & Resume's Designing

CV & Resume Optimized as per the Latest gold standard of the Industry.

Design by experts, for the ATS



Study Material Hard Copy

Hard Copy Study Materials of CSIR NET,
GATE, Koncept Notes & Mindmaps
Included in CRICK Star Scholarship



CRICK STAR PROGRAM OUTLINE

A Program to make you Future Ready

Quarter 1	Quarter 2	Quarter 3	Quarter 4
Coaching	Coaching	Coaching	Coaching
Internship	Internship	Internship	Internship
Workshops	Workshops	Hands on Training	Hands on Training
Mentoring	Mentoring	Job Training	Job Interviews

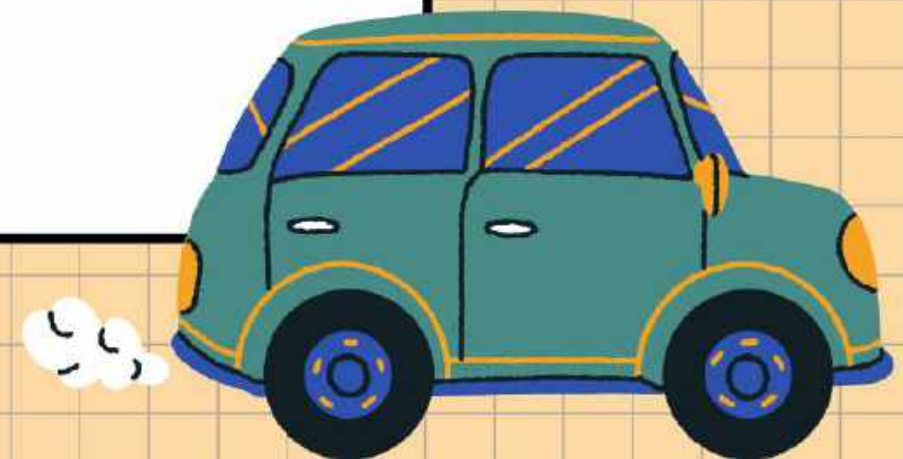
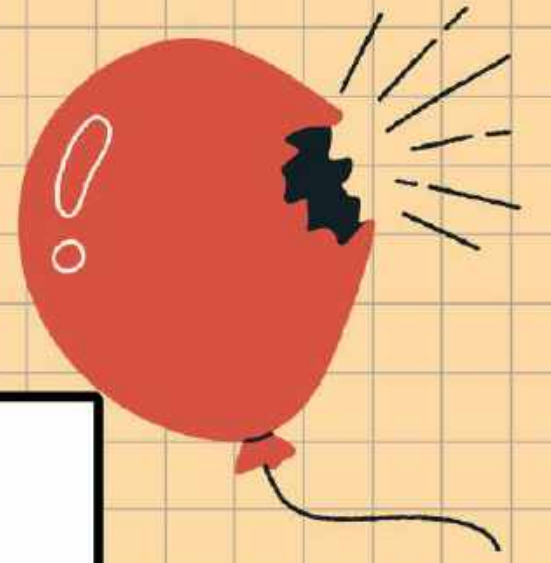
For additional details, go to crickstar.biotechnika.org

SCHOLARSHIP

Grab upto 100% Scholarship by filling the Form Below.

We Have 4 Slots of Scholarship:

- **100%**
- **80%**
- **50%**
- **25%**





GO GLOBAL

Learn from Global Experts & Mentors

Exposure

Expertise

Entrance Exams

Engineer a Successful Career

Procedure to Apply

Register Below

crickstar.biotechnika.org

Schedule a Meeting with Me & Neha Maam

Prove that you are worth the investment

Submit Documents

Once all your Documents are verified, it will
be activated



THANK YOU!

Any questions? Ask in chat box below

Contact me at:

shekhar@biotechnika.org

Meeting Schedule:

Monday to Friday 11 Am to 5 PM



