



The iconic 1963 Ferrari 250 GTO known as Holy Grail model, has the highest selling price for a car in the world with 70 million USD.

The ABC...

...Of Creating A Career In Biology



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Are you one of those people who believe that the only career you can have in biology is medicine? Well, we are here to burst your little bubble, because in the times we live in, biology has become an integral part of our life and there are a lot of domains you can explore in this field. Read on to find out exactly the career options you can explore!

Public health

The science and art of preventing diseases, public health deals with establishing healthy communities, expanding lifespan, improving the quality of life and creating a healthier society and its individuals.

Work to do: The field is valid in both private and social sectors and you can work at hospitals and other health facilities that are based on wellness, illness, nutrition, etc. You can also delve into social work or work at schools, NGOs or private organisations. You can pick various careers like epidemiologist, biostatistician, health educator, sanitarian, public health adviser, nurse, etc. According to the US Bureau of Labor Statistics, the Public Health industry is expected to grow by 21% and is also expected to open more jobs by 2022 in all sectors. Average expected salary for a beginner in India is approx. 2.5 lakh INR per annum.

Institutions in India that offer a degree: PGIMER, Chandigarh; Jamia Millia Islamia, Delhi and Indian Institute of Public Health, Gurugram.

DID YOU KNOW?

Greek philosopher, Aristotle is regarded as the 'Father of Biology'. He discovered it during his visit to Lesbos, an island in the Aegean in 4th century BC.

Biotechnology

A vast field of biology that involves the development or manufacture of items using live systems and creatures. It frequently intersects with allied scientific subjects, depending on the tools and applications used.

Work to do: It combines the theoretical (genetics, molecular biology, biochemistry, embryology and cell biology) and the practical (chemical engineering, information technology and robotics) scientific aptitude, which is why career options like biomedical engineer, biochemist, medical scientist, clinical technician, microbiologist, process development scientist, biomanufacturing specialist, business development manager, etc., can be chosen. Private sector pharmaceutical companies generally offer a salary of 3 lakh INR per annum for an entry-level postgraduate.

Institutions in India that offer a degree: Amity University, University of Delhi, Banaras Hindu University, Anna University, Guru Gobind Singh Indraprastha University, amongst many others.

Bioethics

The ethical implications and applications of health-related living sciences are generally referred to as bioethics.

Work to do: A bioethicist examines the ethical aspects of a current or projected health-care action or choice and provides an ethical rationale for why certain actions or decisions should be preferred over others. Career options you can pick in the field are clinical ethics, bioethics law, genetics, precision medicines, research ethics, reproductive ethics, etc. One can expect an average starting salary of 3 lakh INR per annum in the private sector.

Institutions in India that offer a degree: Yenepoya Nursing College, Mahatma Gandhi Medical College and Research Institute, and PSG Center for Research and Bioethics.

Bioinformatics

Bioinformatics is basically the linguistics part of genetics. It is essentially a branch of computer science concerned with the study of biological molecular sequences using genetic algorithms.

Work to do: Bioinformatics experts look for patterns within sequences of DNA or protein. It's useful for comparing genes and other sequences in proteins inside and between animals, looking at evolutionary links between creatures, and figuring out what's going on by looking at patterns in DNA and protein sequences. Careers to pick in the field are bio-analytics, clinical pharmacologist, computational chemist, database design and maintenance, proteomics, pharmacogenomics, pharmacology and sequence assembly. The average expected salary in the field is 2.5 lakh INR per annum for a beginner.

Institutions in India that offer a degree: Jawaharlal Nehru University, Bharati Vidyapeeth University, India Institute of Technology and University of Delhi.

Book Review

Rake in that review

Book: Ikigai: The Japanese Secret to a Long and Happy Life
Author: Francisc Miralles and Hector Garcia
Published in: April 2016
Genre: Self-help



Synopsis: Ikigai is a Japanese concept that combines the terms 'iki' meaning 'alive' or 'life', and 'gai' meaning 'benefit' or 'worth'. When combined, it refers to those things that give your life a meaning or purpose. The Japanese have practiced Ikigai for centuries, and it has not only helped them live longer but also lead a stress-free life. It also highlights the fact that life is nothing but imperfection and time is fleeting. Thus, holding onto the past and fearing the future will lead you nowhere. This is an interesting self-development concept: a prism for potentially seeing how to bring satisfaction and happiness to an individual's life.

Why it is worth reading: Ikigai is a great book as it is filled with nuggets of wisdom. It motivates you to live your best life and also gives you a much-needed shot of positivity with its coherent reasoning and lucid writing. The book wonderfully articulates how to face life's challenges without letting stress age you. Inspiring and comfort-

ing, this book will give you life-changing tools to uncover your personal Ikigai. It will show you how to leave urgency behind, discover your purpose, nurture friendships and throw yourself into your passion. The pace is unhurried, and that is precisely how you should read the book, not in a single sitting but over a week or ten days. You can savour each chapter, make notes, write things down when they touch a chord.

Iconic quote: "There is a passion inside you, a unique talent that gives meaning to your days and drives you to share the best of yourself until the very end. If you don't know what your Ikigai is yet, your mission is to discover it."

Rating: 5/5

Review by: Janya Malkani
AIS PV, XII

Practice from the grassroots

"The Best Way To Predict The Future Is To Create It!"

Madhav Sharma
AIS Vasundhara 6, X D

For so long, governments, national bodies, and international organisations have understood and book-marked sustainable development as a crucial and non-delayable goal to achieve. And with years of experience, they have finally understood that to truly implement and foster it, one has to start from the grassroots! Teaching students by example will show them that a better future not only exists in their school books but also their school campuses. Various educational institutions all over the world have taken steps to contribute to safeguarding mother earth like...

Ramon C Cortines School of Visual and Performing Arts:

The school in LA, USA, created with a will to harbour art and love for life in students rather than standard memorisation, takes a different approach to their syllabus as

well as the campus. Studies have showcased that a natural environment fosters a better IQ development of students, and with the same idea, the school has a unique structure which focuses on outdoor space to allow students to exist freely. The campus was designed by internationally renowned architecture company Coop Himmel(l)au, and is said to be one of the greenest schools in the world.

The Green School: With the entire campus structure made of bamboos, the school in Bali is definitely eco-friendly. The main school building is a spiraling structure and made by the firm PT Bambu. The campus overall has four classrooms, cafe, gym and housing, and it

also runs on completely clean energy using solar energy, micro-hydro energy, and bio-mass boiler. The syllabus also ensures to teach students about sustainability and even offers scholarships to local children.

American University: Ever since the university was established in 1893, one of their main goals has been to present sustainable solutions to the world and promote a greener society. The university offers a number of courses to the students on green studies and also carries out regular solar energy and other green initiatives. Just in the year 2012, the institution offered 1079 sustainability-focused courses, and they are also working hard to make themselves a zero waste place.

Watkinson School: Adapting to Project FROG, a kit which enables schools to become eco-friendly in the shortest time possible, Watkinson School quickly saw the results. The school's classrooms now are made up of 50% recycled raw materials and even contain 60 solar panels on the roof, which allows the school to generate electricity. The students and teachers are also driven for the cause and constantly take up various other environment-friendly initiatives.

Monkseaton High School: One of the best eco-friendly schools around the world, the school is built in the shape of an elliptical by Devereax Architects. The campus purposely has smaller classes to allow only a limited number of students, forcing a better communication between teachers and students. It also has 31 windcatchers which make the building not only beautiful but also heat resistant, and it also uses solar panels.

These institutions prove that everything is better taught when it is practiced rather than just preached, and using their examples, we can only hope that more and more people will start caring about the environment.

