



Biography

E -PROJECT

REPORT

PROJECT SUBMITTED BY:

SIR TAMEEZ NAWAB
BATCH:PR2-202401C
SEMESTER-HDSE

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ALBERT EINSTEIN

NOBLE PRIZE 1921

PROJECT MADE BY:

MR.RANA MUHAMMAD UMAIR
MR.HASSAN JABBAR
MR.MUHAMMAD AMAN KHAN

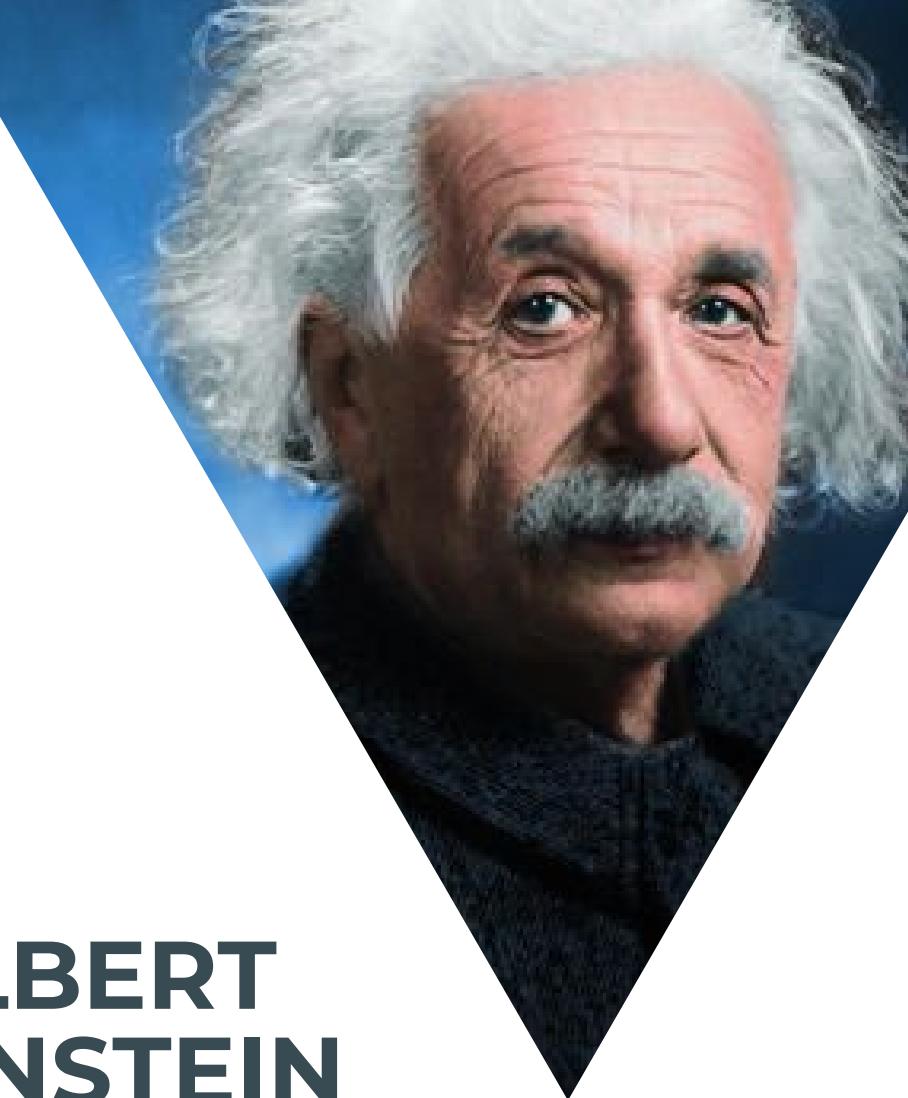


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CERTIFICATE

OF COMPLETION

THIS CERTIFICATE IS PROUDLY
AWARDED TO

UMAIR,HASSAN
AND AMAN

THIS IS TO CERTIFY THAT BIOGRAPHY
MANAGEMENT SYSTEM HAS BEEN
COMPLETED WITH ALL FUNCTIONALITY BY
THE STUDENTS OF PR2-2024OIC

ISSUED BY

DATE



PROBLEM STATEMENT

A biography is a detailed description of a person's life. It involves more than just the basic facts like education, work, relationships, and death; it portrays a person's experience of these life events. Unlike a profile or curriculum vitae (résumé), a biography presents a subject's life story, highlighting various aspects of their life, including intimate details of experience, and may include an analysis of the subject's personality.

You need to develop a biography of any Nobel prize winner in science genre. The website is to be developed for the Windows Platform using HTML5, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

REQUIREMENT SPECIFICATION

The Web site is to be created based on the following requirements.

1. The Home Page should be created making use of Sections with a suitable logo, the header section can be added which will show images.
2. The site must contain the links to navigate through any category for the information.
3. The site should include the complete personal details about the respective person.
4. User should also be able to get the glimpse of education and carrier.
5. There should be carrier graph and struggle of the person
6. One should be able to get to know the complete details about the achievements.
7. There should also be a section that includes the details specifying research/experiment for which Nobel prize was awarded.
8. There should be a section where one can get to know the available books related to him/her.
9. A brief summary of about the research should be available on the Website which can be downloaded by the User who wishes to.

ACKNOWLEDGEMENT

First of all we would like to thank Almighty Allah for giving us strength and ability to complete this project

And then, we would like to express my special thanks of gratitude to our teacher (**Sir Tameez Nawab**) who guided us on the project Kitchen Appliances, which also helped us in doing a lot of new learning and we came to know about so many new things we are really thankful to him.

We are highly thankful to (**Sir Tameez Nawab**) for his guidance and constant supervision as well as for providing necessary information regarding the project & also for his support in completing the project.

Lastly, we would also like to thank our parents and friends who helped us a lot in finalizing this project within the limited time frame. We also express our sincere gratitude to E-Project team from Aptech Head Office, for their valuable guidance and support for the completion of this project. We earnestly hope that this project will provide all the necessary information required by the user to fulfill his/her inspiration.

However, suggestion and Feedbacks for improvements will be thankfully welcomed & acknowledged.



HARDWARE & SOFTWARE REQUIREMENT

HARDWARE:

- A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better
- 64 Megabytes of RAM or better

SOFTWARE :

- Notepad/HTML editor/CoffeeCup
- Angular / Angular JS / React / BootStrap
- Dreamweaver / Figma
- MS IE / Chrome / FireFox / Netscape /MS Edge

NAVBAR TABS

Biography.

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PERSONAL DETAILS:

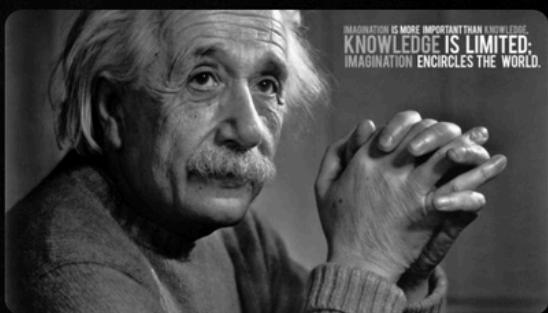
When You Click On The 'Personal Detail' Tab, You Can Obtain Information About (Albert Einstein) Personal Details.

Albert Einsien

Albert Einstein was a German-born theoretical physicist who is widely held as one of the most influential scientists. Best known for developing the theory of relativity, Einstein also made important contributions to quantum mechanics.

14 March 1879 – 18 April 1955

[Learn More](#)



PERSONAL LIFE:

By clicking on the "learn more" button, you can obtain information about Albert Einstein's personal life.

Personal-life

Early Struggles

Despite his intellectual brilliance, Einstein didn't excel in traditional schooling. He disliked rote learning and clashed with authority figures. However, his independent thinking and curiosity ultimately laid the foundation for his scientific breakthroughs.

Passionate Musician

Einstein wasn't just a scientific genius; he was also a passionate violinist. He found solace and joy in music, playing throughout his life. Interestingly, he believed that his musical thinking influenced his approach to science.

First Marriage and Children

In 1903, Einstein married Mileva Marić, a brilliant mathematician who some believe significantly contributed to his early work. However, their relationship was complex and eventually ended in divorce in 1919. They had three children together, though the fate of their firstborn daughter, Lieserl, remains shrouded in mystery.

Second Marriage and Family

In 1919, Einstein married Elsa Löwenthal, his second cousin. Elsa provided him with emotional support and stability, allowing him to focus on his scientific pursuits.

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EDUCATION:

When you click on the "Education" tab, you can obtain information about Albert Einstein's education.



Early Education (1879-1895)

Albert attended St. Peter's Catholic elementary school in Munich from the age of five. When he was eight, he was transferred to the Luitpold Gymnasium, where he received advanced primary and then secondary school education.

- Influence of Gymnasium Education: The Luitpold Gymnasium provided Einstein with a strong foundation in mathematics and physics. This period introduced him to formal learning at a young age.
- Critical Thinking and Independence: Gymnasium education emphasized critical thinking, independence, and intellectual curiosity.
- Cultural and Social Context: Growing up in a secular Jewish family amidst a predominantly Catholic environment in Munich exposed Einstein to diverse cultural influences, fostering a broad perspective that would influence his philosophical outlook and scientific approach.

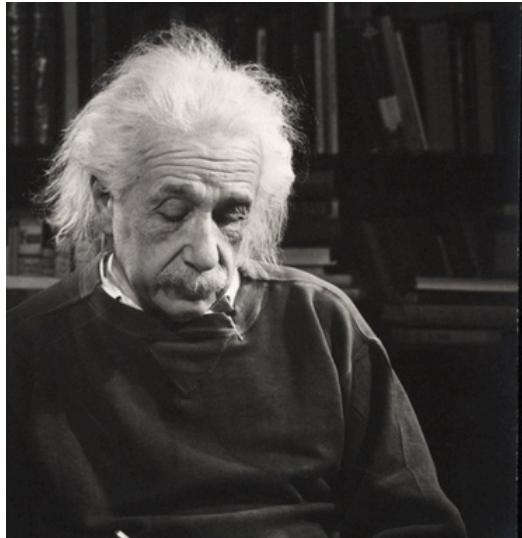
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STRUGGLE:

When you click on the "struggle" tab, a dropdown will open containing two links: "struggle" and "love & marriage".



HERE ARE SOME OF THE CHALLENGES HE OVERCAME:

Despite these struggles, Einstein persevered. His curiosity, independent thinking, and unwavering belief in his ideas ultimately led to groundbreaking discoveries that changed the course of science.



Early School Struggles:

Einstein wasn't a model student in his early years. He found traditional schooling rigid and struggled with rote memorization. He was often labeled a daydreamer by some teachers.



Job Hunt Difficulties:

After graduating, Einstein faced a tough job market for physicists. He couldn't find academic positions and resorted to odd jobs like waitressing. This was a difficult period, and his father even passed away before Einstein's success.



Scientific Acceptance:

Einstein's revolutionary theories, especially relativity, were initially met with skepticism and resistance from the scientific establishment.

LOVE AND MARRIAGE:

First Marriage to Mileva Marić (1903-1919)

To support himself and his family, Einstein reluctantly took a job as a patent clerk in Bern. This seemingly mundane job provided financial stability, but it also limited the time he could dedicate to his scientific pursuits. However, it was during these years, amidst the routine of patent evaluations, that Einstein's genius truly blossomed. He utilized his spare time to develop his groundbreaking theories on the photoelectric effect, Brownian motion, and special relativity.

- Struggles and Sacrifices: Their early years were marked by financial hardship. Mileva even put her own scientific aspirations on hold to support Einstein's career. Additionally, societal expectations of women in academia made it difficult for her to pursue her own research.
- Strained Relationship: As Einstein's fame grew, the balance in their relationship shifted. He became increasingly focused on his work, leading to emotional distance and arguments.
- Divorce: The couple eventually separated in 1914 and officially divorced in 1919. The exact reasons remain debated, but a combination of financial strain, career aspirations, and emotional neglect likely contributed.



Second Marriage to Elsa Löwenthal (1919-1936):

A Supportive Companion: Elsa Löwenthal, Einstein's cousin, provided him with emotional stability and practical support after his divorce. She managed his household affairs, allowing him to focus on his work.

- Open Relationship: Einstein openly admitted to having affairs throughout his marriage, which caused Elsa pain. This unconventional arrangement reflected the changing social norms of the time.
- Loss and Loneliness: Elsa's death in 1936 left Einstein deeply saddened and lonely. Despite the complexities of their relationship, she had been a constant source of support for him.



Biography.

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ACHIEVEMENT:

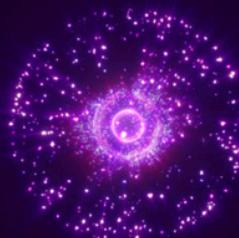
"When you click on the achievement tab, you can find out about Albert Einstein's achievements."

A Legacy of Groundbreaking Achievements

Albert Einstein's name is synonymous with genius, and for good reason. His revolutionary theories not only transformed our understanding of the universe but also laid the foundation for modern physics. Here's a closer look at some of his most significant achievements:

Shattering the Light Barrier:

Until 1905, scientists believed light behaved solely as a wave. This theory couldn't explain why shining light on certain metals ejected electrons (the photoelectric effect). Einstein proposed a radical idea: light energy comes in packets called quanta (later named photons). These photons have energy proportional to their frequency. When a photon strikes a metal atom, it transfers its entire energy to an electron, knocking it out if the energy is sufficient. This explained the photoelectric effect and paved the way for quantum mechanics, a foundational theory in physics dealing with the behavior of matter and energy at the atomic and subatomic level.



Biography.

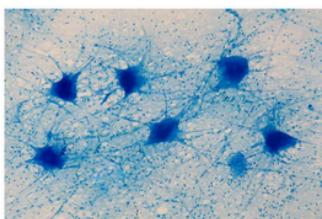
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RESEARCH WORK:

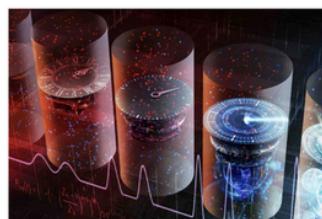
Whenever you click on the "Research Works" tab, you can download detailed information about Albert Einstein's research works and a brief summary of this website

A Year of Miracles



Statistical Mechanics

Einstein delved into the statistical behavior of large numbers of particles, explaining phenomena like Brownian motion (discussed earlier) and laying the groundwork for statistical interpretations of quantum mechanics.



Thermodynamics

He explored the relationship between heat, work, and temperature, contributing to the development of the second law of thermodynamics.



Special Theory of Relativity

This revolutionary theory, published in his "annus mirabilis" (miracle year), challenged the classical understanding of space, time, and motion. It introduced concepts like time dilation and length contraction, forever changing our perception of the universe.

Biography.



BOOKS:

"When you click on the books tab, you can find out about Albert Einstein's books. For more information, visit the website."

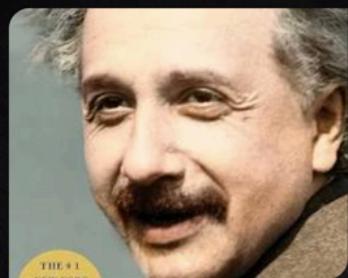
A Look at Books on Albert Einstein

Exploring the life and work of Albert Einstein can be a fascinating journey. Whether you're a general reader, a science enthusiast, or even a curious child, there's a wealth of literature available to quench your thirst for knowledge. Here's a curated selection of books categorized to guide you in your exploration:



"Einstein: His Life and Universe" by Walter Isaacson

This Pulitzer Prize-winning biography by Walter Isaacson provides a comprehensive and engaging look at Einstein's life and work. It explores his scientific achievements, personal struggles, and impact on the world. Isaacson paints a vivid portrait of Einstein, the genius who revolutionized our understanding of the universe, as well as the man with a quirky personality and strong social conscience.



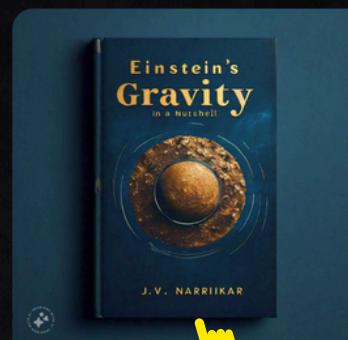
ACCESS TO BOOKS:

"When you click on the books shown on website you directly move to the book store where you can get the book and enjoy reading the books".



"Einstein's Gravity in a Nutshell" by J.V. Narlikar

This book provides a clear and concise explanation of Einstein's theory of general relativity, even for readers without a strong physics background. It uses illustrations and analogies to make complex concepts more understandable. Narlikar's book is a great resource for those who want to gain a deeper understanding of one of Einstein's most famous theories.



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⚠ Erfordert eine Authentifizierung Veröffentlicht von De Gruyter 4. November 2021

Gravity beyond Einstein? Part III: numbers and coupling constants, contradictory experiments, hypercomplex gravity like-fields, propellantless space propulsion

Jochen Hauser  und Walter Dröscher

Aus der Zeitschrift **Zeitschrift für Naturforschung A**
<https://doi.org/10.1515/zna-2021-0147>

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SUMMARY:

Want To Get The Summary About To Albert Einstein's Life We Got Your Back Just Click On The Download Button

Influencing the World

Honoring a Genius: A Look at Albert Einstein

When pondering the titans of science, few names resonate as profoundly as Albert Einstein. A revolutionary thinker, his groundbreaking theories on relativity forever altered our understanding of the universe. Today, we delve into the fascinating life of this Nobel Laureate. This dedicated section explores Einstein's remarkable journey, from his early days grappling with complex concepts to the formulation of his groundbreaking theories. We'll uncover his path to the prestigious Nobel Prize in Physics, awarded for his explanation of the photoelectric effect. Prepare to be captivated by the story of this scientific genius and the lasting impact his work continues to have on our world.

You can learn more from here

Download



Albert Einstein

A Scientific Genius

Early Life and Education (1879-1900)

- ❖ Born in Ulm, Germany, with a natural curiosity and fascination with science and mathematics.
- ❖ Early struggles with traditional education methods but demonstrates exceptional independent learning abilities.
- ❖ Attends the Swiss Federal Institute of Technology in Zurich, where his brilliance begins to shine.

FOOTER :

A Convenient Area Where You Can Find Information
About Our Website And Team
Social Networks

Biography.

A vast collection of books, articles, and documentaries explore Einstein's life and work.

Tabs

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Education
Struggle
Achievement
Research Work
Books
Contact

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