



B.T. Govt., Degree College ::Madanapalle

Department of physics

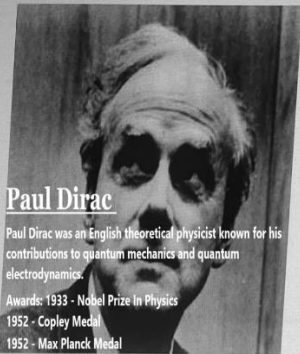


SPECIAL ATTRACTION OF THE DEPARTMENT: (BEST PRACTICE):

1. Photo gallery of physicists of the world
2. Material Distribution

Photo gallery of physicists of the world

Physicists are the scientists who study the field of physics in great detail. They conduct research into physical phenomena or the natural science that involve the study of matter and related concepts. They analyze the general happenings in nature and try to understand how the universe behaves. On the basis of research through observation and experiments, they discover physical laws and propound theories that explain the functioning of natural forces like gravity, electromagnetism, and nuclear interactions. The discovery of new physical laws and theories contribute to the existing base of theoretical knowledge and can also be used for more practical applications such as development of medical equipment, electronic devices, nuclear reactors, etc. Presented below, is a list of some of the world's greatest and most famous physicists, in no particular order, along with brief descriptions of the things they invented/discovered.



Paul Dirac

Paul Dirac was an English theoretical physicist known for his contributions to quantum mechanics and quantum electrodynamics.

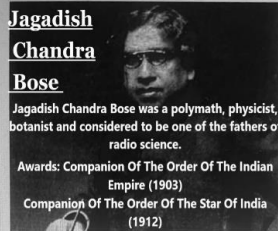
Awards: 1933 - Nobel Prize In Physics
1952 - Copley Medal
1952 - Max Planck Medal



Enrico Fermi

Enrico Fermi was an Italian physicist who made major contributions to the development of nuclear energy.

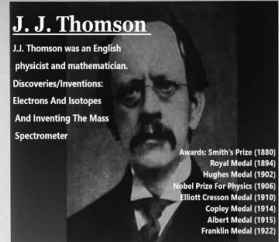
Awards: 1926 - Matteucci Medal
1938 - Nobel Prize For Physics
1942 - Hughes Medal
1946 - Medal For Merit
1947 - Franklin Medal
1953 - Rumford Prize



Jagadish Chandra Bose

Jagadish Chandra Bose was a polymath, physicist, botanist and considered to be one of the fathers of radio science.

Awards: Companion Of The Order Of The Indian Empire (1903)
Companion Of The Order Of The Star Of India (1912)



J. J. Thomson

J.J. Thomson was an English physicist and mathematician.

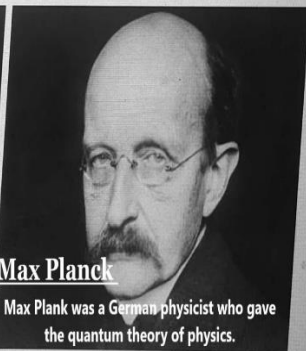
Discoveries/Inventions: Electrons And Isotopes
And Inventing The Mass Spectrometer

Awards: Smith's Prize (1880)
Royal Medal (1896)
Hughes Medal (1902)
Nobel Prize For Physics (1906)
Elliott Cresson Medal (1910)
Copley Medal (1914)
Albert Medal (1915)
Franklin Medal (1922)



Vannevar Bush

Vannevar Bush was an American engineer, inventor, physicist, and science administrator who was instrumental in swift advance of scientific research and development of weapons during WWII.



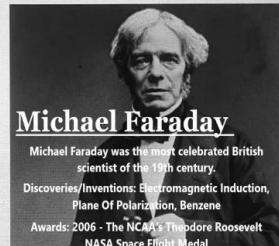
Max Planck

Max Planck was a German physicist who gave the quantum theory of physics.



Mileva Marić

Mileva Marić was an exceptional physics scholar from Serbia who was also the first wife of Albert Einstein.

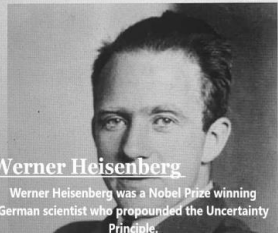


Michael Faraday

Michael Faraday was the most celebrated British scientist of the 19th century.

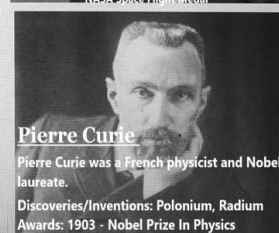
Discoveries/Inventions: Electromagnetic Induction, Plane Of Polarization, Benzene

Awards: 2006 - The NCAA's Theodore Roosevelt NASA Space Flight Medal



Werner Heisenberg

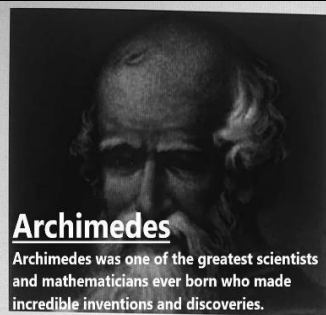
Werner Heisenberg was a Nobel Prize winning German scientist who propounded the Uncertainty Principle.



Pierre Curie

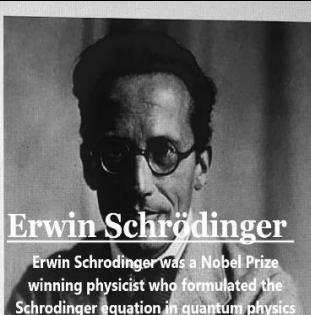
Pierre Curie was a French physicist and Nobel laureate.

Discoveries/Inventions: Polonium, Radium
Awards: 1903 - Nobel Prize In Physics



Archimedes

Archimedes was one of the greatest scientists and mathematicians ever born who made incredible inventions and discoveries.



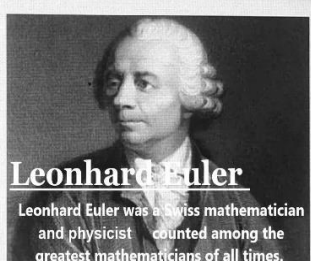
Erwin Schrödinger

Erwin Schrodinger was a Nobel Prize winning physicist who formulated the Schrodinger equation in quantum physics



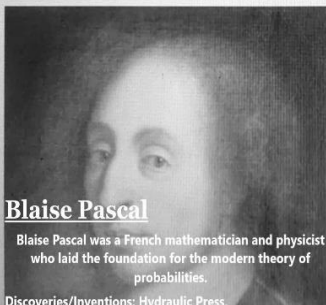
Sally Ride

Sally Ride was an American astronaut and physicist, who became the first American woman to travel into space.



Leonhard Euler

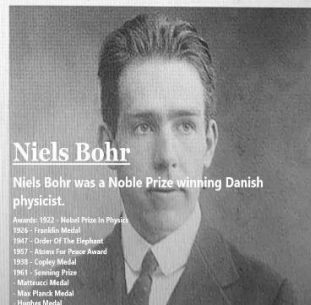
Leonhard Euler was a Swiss mathematician and physicist counted among the greatest mathematicians of all times.



Blaise Pascal

Blaise Pascal was a French mathematician and physicist who laid the foundation for the modern theory of probabilities.

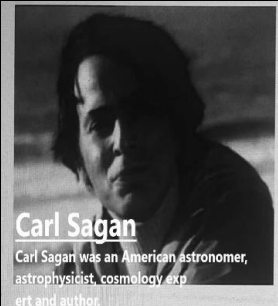
Discoveries/Inventions: Hydraulic Press,



Niels Bohr

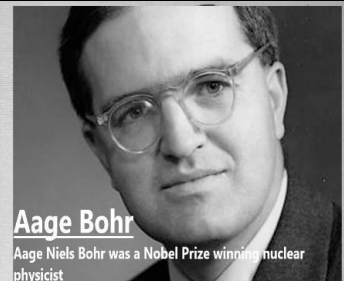
Niels Bohr was a Noble Prize winning Danish physicist.

Awards: 1922 - Nobel Prize In Physics
1926 - Franklin Medal
1947 - Order Of The Elephant
1957 - Astraea For Peace Award
1958 - Copley Medal
1963 - Spontaneous Prize
Mathematics Medal
Max Planck Medal
Hughes Medal



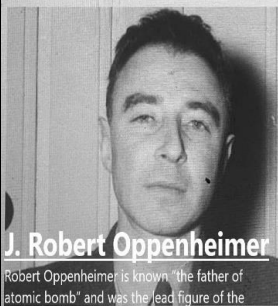
Carl Sagan

Carl Sagan was an American astronomer, astrophysicist, cosmology expert and author.



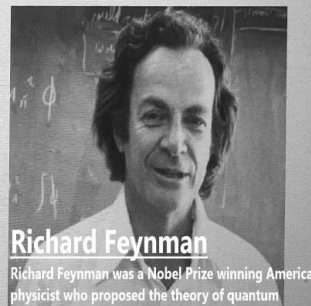
Aage Bohr

Aage Niels Bohr was a Nobel Prize winning nuclear physicist



J. Robert Oppenheimer

Robert Oppenheimer is known "the father of atomic bomb" and was the lead figure of the "Manhattan Project".



Richard Feynman

Richard Feynman was a Nobel Prize winning American physicist who proposed the theory of quantum electrodynamics.

Vikram Sarabhai ★

Vikram Sarabhai was an Indian physicist regarded as the Father of the Indian Space program

Awards: Shanti Swarup Bhatnagar Award (1962)

Padma Bhushan (1966)

Padma Vibhushan

Posthumous (After-Death) (1972)

Klaus Fuchs

Emil Julius Klaus Fuchs was a German theoretical physicist and an atomic spy who provided valuable information to the Soviet Union

Subrahmanyan Chandrasekhar

Subrahmanyan Chandrasekhar was a Nobel Prize winning astrophysicist most famous for his theory on black holes

Awards: Nobel Prize In Physics (1983)

Adams Prize (1948)

Padma Vibhushan (1968)

Robert Hooke

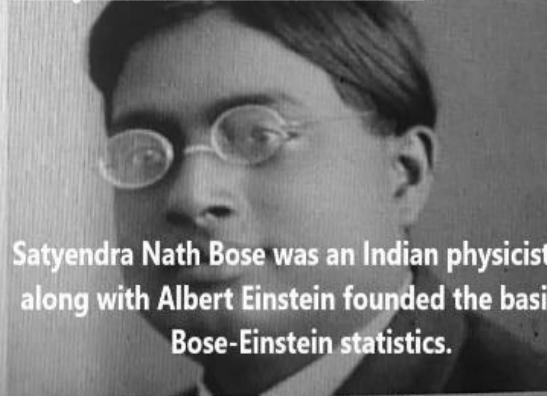
Robert Hooke FRS was a 17th century English scientist, architect and polymath.

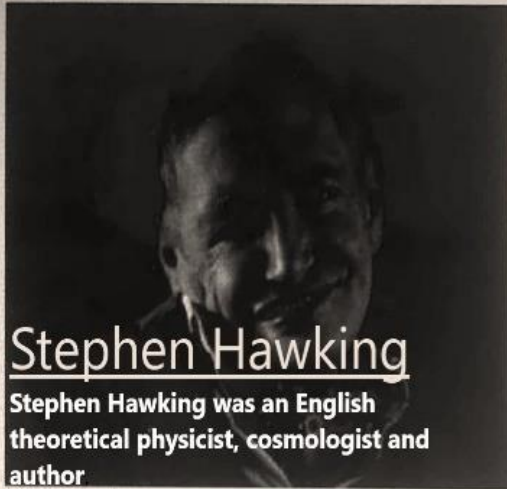
Discoveries/Inventions: Balance Wheel, Diaphragm, Universal Joint



Satyendra Nath Bose

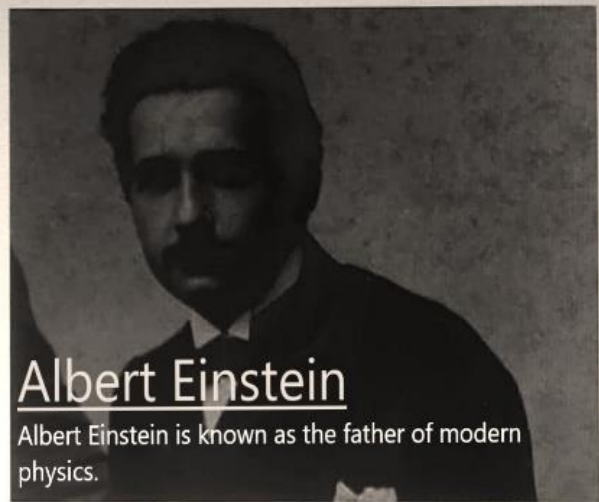
Satyendra Nath Bose was an Indian physicist who along with Albert Einstein founded the basis for Bose-Einstein statistics.





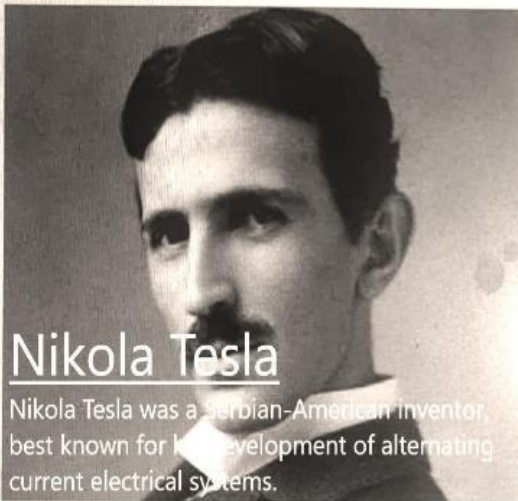
Stephen Hawking

Stephen Hawking was an English theoretical physicist, cosmologist and author



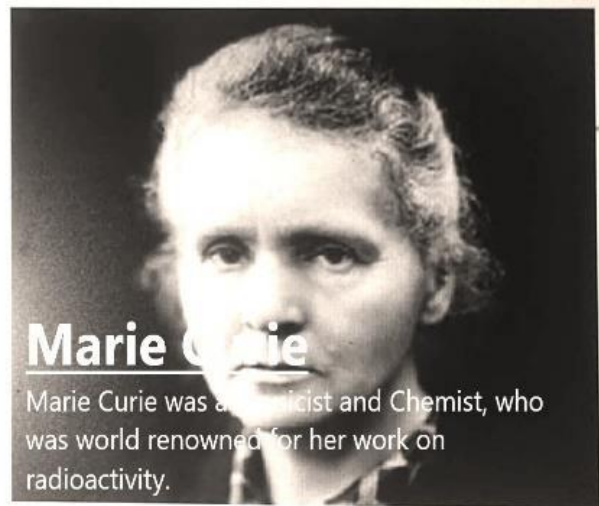
Albert Einstein

Albert Einstein is known as the father of modern physics.



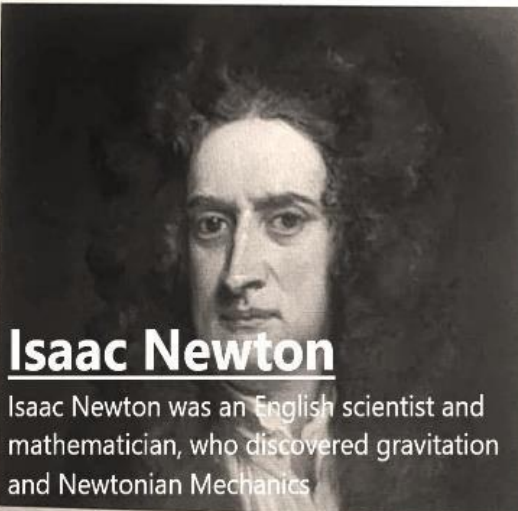
Nikola Tesla

Nikola Tesla was a Serbian-American inventor, best known for his development of alternating current electrical systems.



Marie Curie

Marie Curie was a physicist and Chemist, who was world renowned for her work on radioactivity.



Isaac Newton

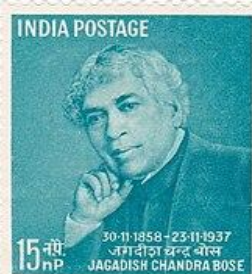
Isaac Newton was an English scientist and mathematician, who discovered gravitation and Newtonian Mechanics



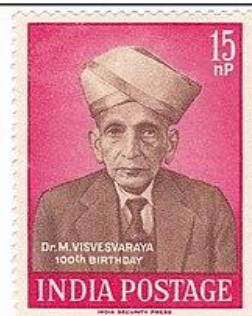
Galileo Galilei

Galileo Galilei was an Italian Astronomer and Scientist.

The Greatest Contributions of the Greatest Indian (British Indian Citizens & Indian Citizens) Nationalist (Patriotic) Physicists & Engineers to Indian Physics & Engineering



- Indian (British Indian Citizen) Physicist Sir Jagadish Chandra (J.C.) Bose (1858-1937)
 - Known as the Father of Modern Indian Science
 - Hails from Dhaka District, Bengal Presidency, British India (Now in Bangladesh)

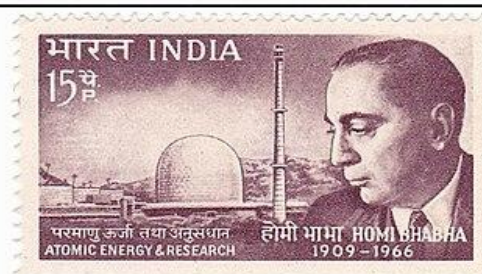


- Indian (British Indian Citizen & Indian Citizen) Civil Engineer Sir Mokshagundam Visvesvaraya (1861-1962)
 - Known as the Father of Indian Engineering
 - Every Year Government (Govt.) of India Observes Indian National Engineers' Day on 15th September to Mark His Birth Anniversary (Born on 15th September of 1861)
 - Hails from Kurnool District, Madras Presidency, British India (Now in Andhra Pradesh, India)



- Indian (British Indian Citizen & Indian Citizen) Physicist Sir Chandrasekhara Venkata (C.V.) Raman (1888-1970)
 - Only Indian (British Indian Citizen) to Win (In 1930) Nobel Prize in Physics (For the Discovery of Raman Effect or Raman Scattering on 28th February of 1928)
 - Every Year Government (Govt.) of India Observes Indian National Science Day on 28th February to Mark His Discovery of Raman Effect (Raman Scattering)
 - Hails from Thanjavur District, Madras Presidency, British India (Now in Tamil Nadu, India)

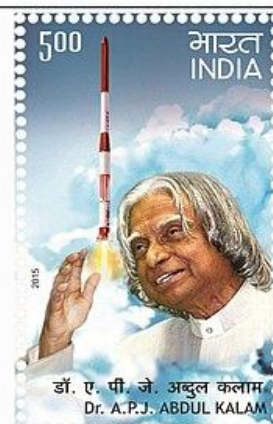
The Greatest Contributions of the Greatest Indian (British Indian Citizens & Indian Citizens) Nationalist (Patriotic) Physicists & Engineers to Indian Physics & Engineering



- Indian (British Indian Citizen & Indian Citizen) Physicist Homi Jehangir Bhabha (1909-1966)
 - Known as the Father of Indian Nuclear Programme
 - Hails from Persia (Now Iran)



- Indian (British Indian Citizen & Indian Citizen) Physicist Dr. Vikram Ambalal Sarabhai (1919-1971)
 - Known as the Father of Indian Space Programme
 - Hails from Ahmedabad District, Bombay Presidency, British India (Now in Gujarat, India)



- Indian (British Indian Citizen & Indian Citizen) Aerospace Engineer Dr. A.P.J. Abdul Kalam (1931-2015)
 - Known as the Missile Man of India
 - Every Year Government (Govt.) of India Observes Indian National Technology Day on 11th May to Mark His Pokhran-II Nuclear Test (On 11th May of 1998)
 - Hails from Ramanathapuram District, Madras Presidency, British India (Now in Tamil Nadu, India)