

# MANIPUR SCIENCE CENTRE- ABODE OF THE YOUNG SCIENCE ENTHUSIAST

## Manipur:

Manipur is paradise on earth. It literally means "The Jeweled Land". It is richly endowed with natural beauty and splendor. It is home to Sangai, a rare species of deer and Siroy Lily, the only terrestrial lily grown on the hill tops of Siroi hill.



Late Pandit Jawaharlal Nehru once described Manipur as the 'Jewel of India'. It is bounded by Nagaland to its north, Mizoram to its south, Upper Myanmar to its east and Cachar district of Assam to its west. Manipur comprises sixteen administrative districts. Imphal is the capital of Manipur and is a prominent tourist attraction.



The state lies at a latitude of 23°83'N – 25°68'N and a longitude of 93°03'E – 94°78'E. The total area covered by the state is 22,327 square kilometers with a population of about 2,966,889 (2011). The climate is temperate in the valley and cold in the hills.

## INTRODUCTION:



Manipur Science Centre, Department of Science & Technology, Govt. of Manipur is being set up with the main objective of popularizing Science & Technology among the masses, especially the students' community and to create scientific awareness in the society. Set up in 2005, the Centre is the first of its kind in the State. The Centre through its various interactive exhibits, shows and other educational activities present Science & Technology in the most enjoyable and non-formal way.



## INTERACTIVE FLOOR:

Motion Magix is an innovative interactive play platform with endless possibilities! The low attention span of kids requires use of specialized systems and interactive content for their total engagement especially in new and unfamiliar surroundings. Motion Magix has proved to be a healthy way of blending mental and physical activity not only in Family Entertainment Centers and Parties but also in a variety of educational and learning scenarios. It improves collaboration, participation and cognitive skills while creating hours and hours of fun and education for kids.



## 3D Film Theatre:

Here, with the advent of digital motion pictures, 3D Stereography is being extensively used in 3D visualization of scientific ideas. Polarizers are being used for tricking our eyes to see 3D movies to create an immersive experience. The visitors are excited and thrilled beyond their imagination during the show when Anaconda appeared right in front of their very eyes trying to swallow them.



## DIGITAL PLANETARIUM:

The Imphal Planetarium, commissioned on 5<sup>th</sup> March 2018 by Shri. N. Biren Singh, Hon'ble Chief Minister, Manipur, with the objective of fostering scientific temper through the means of edutainment (education + entertainment). The planetarium has been making learning astronomy a pleasant experience. It also has grown into a Center for the scientific study of astronomy and for a meeting of scientists and scholars for discussions and lectures, arranged periodically on various stellar and Astronomical events.



(Inauguration of Digital Planetarium by Hon'ble Chief Minister, Manipur on 5<sup>th</sup> March, 2018).

One can learn about the secret life of planets, stars etc at this Imphal Planetarium. This huge white dome-shaped structure houses an astro-gallery. A single projector mounted near the centre of the dome is employed with a fisheye lens to spread the light over the whole-dome.



# AN ACTIVITIES WITHIN AND BEYOND THE FOUR WALLS

## MIRROR MAGIC GALLERY: HUMAN PERFORMANCE

An inventive design makes this attraction challenging and fun for families and guests of all ages.

To increase the difficulty and the fun, disco lighting systems are being incorporated. As beautiful as it may look when you enter, it is sure to play enough tricks with your mind to leave you exhausted by the end of it due to the placement of the mirrors. There are mirrored paths, surprising corners, dead ends and continuous circles. A curving tunnel, float in the air, dine with yourself, ghost walk, infinity well and infinity train are some of the exhibits that one has to see and experience to believe.

## TV STUDIO:



**Chroma keying** technique has been used heavily in many fields to remove a [background](#) from the subject of a photo or video. Chroma-Key Green Screen Studio is a versatile 3D interior environment set that approximates the production techniques used in the video, television, and film production.

Using this technology, the interest visitors can take photographs, videos etc with different backgrounds in just a minute.



**GALLERY:** This gallery depicts a wide range of activities performed by the human being. In this gallery, one can measure ones strength, while doing an arm wrestling with Mr. Robot, Test your muscle power, skill, human reflex, human agility and performances. For instance, measure "How high you can Jump", how much you can "Bend your body", "How fast can you walk" or "How long can you hang" or "Balance your body".

This gallery also has exciting exhibits with activities on co-ordination between brain and sense organs. Each exhibit has a challenge for you: for example, "Hit the gong with ball" following a specific trajectory while passing through some rings, or synchronize your count with a rhythmic tone in the exhibit "Match with Metronome". In short, the gallery offers a lot of challenges and thrills that tempts everyone to take part in the entire exhibition and enjoy.



**COMPUTER CORNER:** Training is also being imparted to students in the field of Computer and information Technology for their all round development.

## INNOVATION HUB:

An Innovation Hub provides facilities to nurture new ideas and help develop inquisitive perspective in youths of today. These hubs serve as springboards for new ideas and innovation and thus helping the society and economy to face future challenges and meet rising aspirations of the growing population. Specifically, embedding such creative pedagogies in science education through Innovation 'Hubs' would have potential to retain talent in modern science.



Membership is available for interested students for long-term hands-on and minds-on engagement in creative activities in science & technology.

## CHILDREN'S CORNER:



The most sought after guests of a Science Centre are the children. Each exhibit creates scientific inquisitiveness in the minds of children enabling them to unfurl their imaginations and natural creativity while they play and experiment with the exhibits.

## FUN SCIENCE GALLERY:

It has rightly been said that "Laughter is the best medicine". In this gallery, one can explore, enjoy science through fun and entertainment. Exhibits like "Fun Mirror" produces crazy images making you laugh, the exhibit like "Head on a platter" enables you to see your friend's head on a plate alive and kicking right in front of your very eye beyond your expectation.



Exhibits like "Is light visible?", "Objects defying gravity", "Pendulum creating chaos", "Colour shadow" and many more can be understood here in an interesting manner with the help of hands-on exhibits. Such exhibits stimulate critical thinking of the visitors and familiarize them with the scientific process of discovery through exploration.

**TARAMANDAL:** A uniquely designed inflatable dome Planetarium of this Centre takes one deep into space to enrich the knowledge about different heavenly bodies. Taramandal reveals to the visitors the night sky of Imphal or any other places in the northern hemisphere. The demonstration is interactive and lively with scope for the visitors to get answers to relevant queries.

## SCIENCE PARK:

Beyond the four walls of the galleries, lies a lush green attractive Science Park with more than 40 interactive exhibits on different principles of science where children come with the motive of playing. Here, the visitors learn while playing in natural surroundings free from all tensions and worries.



Here, one can find exhibits on Echo of Sound, Pendulum, Lever of different classes, pulleys of different types to lift loads, Sympathetic Swings, Slides, Gym etc to enhance the knowledge of the visitors.



Models of different Dinosaurs in the science park attract visitors of all age group.



## ACTIVITIES FOR STUDENTS:



The Science Centre organizes many educational activities for students like Science Magic & Miracle Shows, Fun Chemistry Shows, Telescope Shows, Robotic Shows, Science Demonstration Lecture, Science Seminars, Science Quiz, Painting Completions etc.



The Science Centre also observes important days like National Science Day, World Wetland Day, World Water Day, Astronomy Day, World Environment Day, World Population day, World Aids Day, International Museums day etc through appropriate programmes and activities.



## TICKET RATES:



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1. General Visitors @ Rs.10/- per head.
2. Students in Uniform @ Rs.5/- per head.
3. Parking 2/3 wheelers @ Rs.10/- per vehicle.
4. Parking 4 wheelers @ Rs.20/- per vehicle.
5. Science Miracle/Magic show @ Rs.5/- per head.
6. 3D Film Show @ Rs.10/- per head.
7. Digital Planetarium Show @ Rs.20/- per head.
8. Hall Hiring Charge (a). @Rs.1500/- per day (Normal) & (b). @ Rs.750/- per day (Conc.)
9. T.V. Studio @ Rs.20/- per copy (Size: 4"x6").
10. Foreign Tourist @ Rs.50/- per head.
11. Disable Friendly – Free Entry.
12. Toy Train Ride @Rs.10/- per head.

## HOW TO REACH:

The Centre is located at about 3 Kms from the heart of the Imphal City. Taxi, Auto-Rickshaw services are available to and fro throughout the day which will take you to the Science Centre.

Manipur Science Centre has been developed by National Council of Science Museums, Ministry of Culture, Govt. of India and Dept. of Science & Technology, Govt. of Manipur.

The Centre remains open every day, except Mondays & General Holidays, from  
Summer- 10.00 A.M. to 4.30 P.M.  
Winter- 10.00 A.M to 4.00 P.M

**Manipur Science Centre,**

SAI Road, Takyelpat,  
Opposite Sports Authority of India  
Complex, Imphal – 795 001.

