

Know about your IITG Swimming Pool.

Our Institute is endowed with a beautiful swimming pool of 50 meter length. It caters to the students, staff, faculty, and other residents of the campus. The pool is maintained by Engineering Section and operated by Gymkhana Sports. All those who want to use the pool on regular basis must duly register themselves in the Office of the Gymkhana Sports.

They must also strictly abide by the rules in force.

Suction Dredger

The accumulated dirt at the bottom of the pool is cleaned by using a suction dredger. A team of workers do the suction dredging daily to keep the pool clean. If dirt, which is mostly from the bodies of the swimmers, accumulates in the pool, it will accelerate the growth of algae in the pool. This spoils the water quality in the pool.

Another factor that accelerates algal growth is the presence of urea in the water. Urea salt gets into the water through unwashed sweat on the body and urine. That is why all the swimmers must thoroughly wash themselves with soap before entering into the pool. Remember, if you do not wash well before entering the pool, you are spoiling its water quality. Never relieve urine while swimming in the pool. It is not only a nutrient to the algal growth, it may also react with the chemical used to disinfect the water in the swimming pool. Also it is unhygienic. Another source of nutrients for algal growth is the dust from foot wear. Therefore always leave the foot wears outside the pool premises and wash the feet before getting inside the pool with copper sulphate solution kept in a container.

Bathrooms and Toilets

Make full use of the bathrooms and toilets to keep the pool in good condition. Also do not use soiled swimming costumes. The use of any clothing other than swimming costumes is strictly prohibited.



Cubicles to keep Clothing

Cubicles will be provided inside the bath rooms to keep your cloths. Never keep valuables inside them. The administration or the workers are not responsible for the valuables kept inside these cubicles.

When the swimmers are inside the pool, the workers have to look after their safety. Hence, the swimmers should obey them if the workers ask them to desist from doing something risky - like for example jumping into the deep pool.

Now let us see how our swimming pool works. The swimming pool contains roughly 21 lakh 89 thousand 250 litres or 21, 89, 250 m³ of water. Keeping this amount of water in crystal clear condition is a very difficult task. For that we use filters and disinfecting chemicals. The 21 lakh 89 thousand 250 litres of water is circulated through a filter once every ten hours with the use of a pump. Most of the solid particles get trapped in the filter. The filter is back-washed every two days to keep it clean.

To disinfect the pathogens in the water, metered quantities of sodium hypochlorite is added to the water when it is recirculated. Sodium hypochlorite is applied in swimming pools for water disinfection and oxidation. It has the advantage that microorganisms cannot build up any resistance to it. Because sodium hypochlorite is used both to oxidize pollutants (urine, sweat, cosmetics) and to remove pathogenic microorganisms, the required concentration of sodium hypochlorite depends on the concentrations of these pollutants. Especially the amount of organic pollution - like sweat and urine - determines the required concentration. When sodium hypochlorite is used in swimming pools, it sometimes causes red eyes and it gives off a typical chlorine odor. When there is a lot of ureum (a mixture of urine and sweat) present, hypochlorous acid and ureum react to form chloramines. These chloramines irritate mucous membranes and cause the so-called 'chlorine smell'. Eyes irritation disappears after a while. Now you know another reason why you must not enter the pool with sweat on your body and not urinate inside the pool while swimming.

The large filter inside the filter room



These two pumps recirculate the water through the filter. One runs continuously while the other is kept on standby. It takes ten hours to recirculate all the water in the swimming pool.

The following persons manage the Swimming Pool.

1. Sri Gunamoni Das, Assistant Registrar (Engineering Section) look after maintenance of pool.
2. Sri Diganta Saikia, PTI, Gymkhana Sports, look after operation of pool.
3. Sri Rajib Dey, Assistant Coach, Gymkhana Sports, impart regular coaching of students
4. Sri Gangadhar Das, Pool Maintenance Contractor cum Supervisor look after entry of users and day to day attendance and exits of users.
5. Sri Sukdev Dutta, Life Guard, look after security and safety of users from deck.
6. Sri Tapash Samanta, Life Guard, look after security and safety of users from deck.
7. Sri Moon Das, Pump Operator, look after cleaning of pool by using chemicals and suction sweeper and recirculation of water.
8. Sri, Dredger, clean water by skimmer and pull suction sweeper.
9. Sri, Dredger, clean water by skimmer and pull suction sweeper.
10. Sri, Cleaner, cleans deck, bathroom, gutter and toilets.

Eligibility, Age, Admission Procedure for Membership:

1. Only bonafide students, staff, faculty, project staff and family members of staff and faculty of IITG are eligible to use the swimming pool. **(Please don't encourage outsider)**
2. **Age:** Minimum age for admission is 5 years as on 31 March, 2008.
3. **Admission Procedure:** Duly filled forms shall be submitted to Gymkhana Office. The office will issue a pocket size photo Admission Card which must be deposited everyday to the attendant / security guard and take back before leaving the swimming pool from the security desk.

Rules for Swimmers

1. Only registered members are allowed inside the swimming pool.
2. The registered members must surrender their identity cards when entering the pool and take it back when they are leaving the pool premises. No one will be allowed to swim in the swimming pool without surrendering their identity cards to the supervisor.
3. Sign in the register while leaving the swimming pool after collecting your identity card.
4. Presently the capacity of the pool is restricted to 70 members at any given time. The members should form a queue and get inside the pool in an orderly fashion.
5. Before entering the swimming pool all must take bath in the shower using soap to wash off the sweat, dirt and oil from the body. You must bring your own soap and towel.

6. Use the toilet before going to the pool. Do not urinate while swimming in the pool.
7. All must wear proper swimming costume and caps.
8. Walk along the carpet to reach the pool (to be purchased)
9. Wash off the dirt from the feet using copper sulphate solution kept in a container (to be purchased).
10. Get into the pool only by steps/ladders.
11. Do not dive into the pool.
12. Avoid spitting or blowing the nose in the water, use the gutter.
13. Practice swimming only in the areas instructed by the coach.
14. People suffering from skin diseases, open wounds, infection of ear, nose & eyes are prohibited from swimming in the pool.
15. Ladies should not use the swimming pool during the menstrual period.
16. Do not stay in the pool when there is lightning in the sky.
17. Enter the pool only after suitable warm up.
18. Those who do not know swimming must confine themselves to the shallow parts of the pool.
19. Do not play or cause nuisance to others in the pool. Users must not play pranks in the pool.
20. Do not swim with a full stomach of food.
21. Clear the pool when asked to vacate the pool when the supervisor whistles.
22. Since the swimming pool is being maintained by outside workers, all users (including staff members) must have valid identity card to use the swimming pool. Otherwise entry into the swimming pool will be denied.
23. No child below the age of 05 years will be allowed inside the swimming pool unaccompanied by its parents. The parents are solely responsible for the safety of such young children inside the pool premises.
24. Any suggestions for the improvement of the swimming pool can be sent to: Dean of Students.

SAFETY

Even though the pool may look perfectly safe, the swimmers are advised to exercise extreme caution while swimming. The swimmers should not swim if they develop muscle cramps or feel faint. Users having heart problems must get medical opinion before swimming. Also, swimmers must do warm-up exercise before entering the pool. If you find anybody struggling or sinking in the swimming pool, never jump into the water to save him/her.



Ring buoy

Instead, immediately throw one of the ring buoys available on the side of the swimming pool to the swimmer in distress. Then inform one of the life-guards.