



## **Industrial Visit Report – Aqua Tech & Swarna Bharat Trust, Atkur**

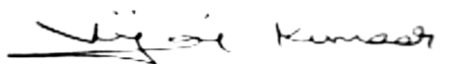
II/IV B.Tech students of Mechanical Engineering Department were taken to Aqua Tech & Swarna Bharat Trust, Atkur for industrial visit on 24.02.2023 to acquire knowledge by seeing practically the things happening in an industry. They are the manufacturers in water storage tanks, cold boxes, defense drop boxes, garbage bins and hose. As a part of visit 70 students, 4 faculty have seen their moulding section.

The water storage tanks are being prepared using the raw material which is technically called the Linear Low-Density Polyethylene [LLDPE]. They are being mixed with some colour crystals to obtain the required colour for manufacturing the overhead tank. Then they are heated to a temperature of 180°C. Then the raw materials is coming out in form of threads, and then again they are converted into pellets of the required colour of the time in the same way for the outer layer of the tank black pellets are also available. Now, the pellets are being converted into powder form. Then they are converted into pellets of the required colour of the tank. In the same way for the outer layer of the tank black pellets are being used. Now, the pellets are being converted into powder form. Then the powder is sequentially transferred into the mould of the tank. Then the mould is heated in the heating chamber. The powder is allowed into the mould for every regular heating time period. Then they are transferred to the cooling chamber and after the cooling period, the mould is opened, the excess material is removed, and the tank is taken out from the mould.

Dr APJ Abdul Kalam Development Training Institute is Skill a place where the students are trained in different trades for a time period of 3 months. The institute Infrastructure is provided by the Swarna Bharathi Trust and being funded by KL University & Indian Bank. The trades that are being provided by the institute are Electrical, Solar, 4-wheeler Mechanism, 2-wheeler Mechanism, Plumbing Sanitary, R&AC, Dry Wall & Fall Ceiling trades. After their training the students are being placed in the trade associated Companies. The institute has been equipped with quality equipment which provides quality training to the students.



At last, Dr. Sri Harsha, Assit. Prof. and Dr. P Samal, Assis. Prof. thanked management of Aqua Tech for accepting the industrial visit.

  
Assoc. Prof & Head of the Department