

Gardi times report on an Industrial Visit to Chennai & Pondicherry

- Department of Civil Engineering from B. H. Gardi College of Engineering & technology had inculcated various aspects of student development through expert talks, seminars, internships and industrial trainings through visits.
- One such marvelous visit had been arranged by department of Civil Engineering at CSIR- Structural Engineering Research center, Chennai, Testing Tower and Research center, Chennai, National Environmental Engineering Research Institute (NEERI), Chennai, IIT Madras, Auroville at Pondicherry and Pondicherry town planning visits.
- CSIR-SERC provides idea to consultancy practices world over on real prototypes and related practical solutions. The visit begins with the short summary of presentation on CSIR_SERC structural construction marvels of Matrimandir at Auroville, village housing design, low cost housing design, water tank design and pre tensioning and post tensioning system by Dr. N. G. Bhagvan. The student visited earthquake testing labs having shake table, fatigue lab testing on various pipe materials, structural engineering and testing laboratory. This Laboratory provides internship on the basis of GATE score to Masters pursuing students.



Figure 1 Group photo of Civil engineering department visited CSIR -SERC, chennai



Figure 2 Gratitude from Students to Dr. N.G.Bhagvan



Figure 3 Glimpse of Various laboratory at CSIR-SERC



Figure 4 Group photo of Civil Dept. Students at CSIR-Tower testing centre



Figure 5 Glimpse of Wind turbine laboratory at CSIR-SERC

- NEERI institute works primly in arena of water contamination in Chennai, Chandigarh and some water pollutant agent in India. The student visited the microbiology laboratory, advance microbial treatment using algae, ambient air analysis laboratory and chemistry laboratory. The student had also learned the method of purification of GANGA project undertaken by CPCB by Dr. Rajesh Aarsu.



Figure 6 Group photo of Civil department at CSIR-NEERI



Figure 7 Glimpse of Various laboratory visited at CSIR-NEERI, Chennai

- Testing Tower and Research center is institute under CSIR, testing the transmission towers over world Canada, India, African countries, highly equipped with modern instrument like hydraulic jack. This is proud of India that tests the transmission towers of other countries and brought more income to India. The student grabbed opportunity very actively and solves their question on various transmission towers testing methodology which follows European codes. Dr. Raghunathan and Dr. Knmani were in charge who gave statistical as well as video demonstration of tower tested and failures encountered.



Figure 8 Dept. of Civil engg visited the control room og CSIR-Tower testing unit

- Pondicherry visits begins with visit of Auroville - An international Township developed by notion of Indian philosopher Shri Aurbindo maintained and owned by 26 countries people with their own government and authorities. People from different countries and religion stay there having only one religion is to pray to common power and loves humanity. The visit includes the view of Matrimandir - A marvelous construction for meditation, the visit to sustainable water treatment plant, video presentation on establishment of Auroville Township and future goals of development. This visit stimulates the various norms of town planning and related development ideas to student in field of Civil Engineering.



Figure 9 Auroville- a real art of Peace



Figure 10 Students of Civil dept. Visited at Matri mandir- Auroville, Pondicherry



Figure 11 Students of civil dept. visited Pyramid Temple, Pondicherry

- Pondicherry Town visit -the town visit include visit of Aurbindo ashram, botanical garden and church. These peculiarities of Pondicherry construction reveal amalgamation of Indian and French culture. The town includes with Nehru bazar which accumulate the products of all culture. The Auroville beach is beauty reside in the town and add pleasant to the town planning. The student by undergoing the town visit learned how to have better town planning through arrangement of residential, commercial and industrial area as per France construction styles. Karneshwar temple located in Pondicherry is an example of engineering marvel includes pyramid temple in center and one third height the idol of lord Nataraja (form of Shiva).



Figure 12 Glimpse of Church, Puducherry



Figure 13 Glimpse of religion temple, Puducherry

Mahabalipuram visit- archeological site includes the heavy massive structures of stone and sculpture carved out from rocks. The student visited the temple at Mahabalipuram and learned construction methodology in olden times and their stability till date. The student also visited the sea shell museum which encounters the jewels of pearls and sea shells of India. This sea shell museum **is Asia's 2nd largest** museum and will be participating in limca book record for its treasure preservation.



Figure 14 Glimpse of Indian Sea shell museum-mahabalipuram



Figure 15 visited Some peace of Art at Mahabalipuram