



Shankersinh Vaghela Bapu Institute of Technology

(Affiliated to Gujarat Technological University, Approved
by AICTE, www.bapugkv.ac.in)
(Gandhinagar---MansaRoad,PO.Vasan,GandhinagarDistrict,Gujarat,Pin.
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A Report on “Industrial Visit at NPCIL, Kakrapar, Gujarat”.

5th SEMESTER

Organized By
Mechanical Engineering Department

Industrial Visit Details

S. No.	Content	Description
1.	Title	Nuclear Power Corporation of India Limited, Kakrapar, Surat, Gujarat.
2.	Date	9 th August 2018
3.	Place & Distance	NPCIL, Kakrapar, Via: Vyara, Surat(Gujarat), 377 km
4.	Introduction & Objective	<p>Kakrapar Atomic Power Station (K.A.P.S.) is a <u>nuclear power</u> station in <u>India</u>, which lies in the proximity of the city of <u>Vyara</u> in the state of <u>Gujarat</u>. It consists of two 220 MW <u>pressurised water reactor</u> with <u>heavy water</u> as moderator (PHWR). KAPS-1 went critical on 3 September 1992 and began commercial electricity production a few months later on 6 May 1993. KAPS-2 went critical on 8 January 1995 and began commercial production on 1 September 1995. In January 2003, <u>CANDU Owners Group</u> (COG) declared KAPS as the best performing pressurised heavy water reactor.</p> <p>The construction costs originally were estimated to be 382.52 crore, the plant was finally finished at a price of 1,335 crore. Construction of units 3 & 4 started in November 2010.</p> <p>Objective: Visit and understand about the emerging technology of generating the energy with Nuclear Energy. Also understanding about the Environmental Survey Laboratory which is caring about the environment of surrounding 30km.</p>

5.	Work Plan	Departure from Institute: 11:00 PM (08-08-18) Reached at K.A.P.S. : 2:30 PM (09-08-18) Departure from K.A.P.S. : 5:00 PM (09-08-18) Arrival at Institute : 2:30 AM (10-08-18)
6.	No. of Students & Faculty Members	No. of Students = 41 No. of Faculty members = 02

Photo Gallery



Visit Arranged by:

1. Prof. Birju Mewada

2. Prof. Bhaumik Patel