



UKA TARSADIA
university

Industrial Visit

Organization	Nuclear Power Corporation of India (NPCIL) Kakrapar
Academic Year	2019-20
Date of Visit	8 th August 2019
Course	B. Tech-Chemical
Semester	5 th
No. of Students	45
No. of Faculties	3
Name of Organizer	Prof. Shrinivas Mundkar Prof. Parvathy Chandran Prof. Susmit Ilame



**INDUSTRIAL VISIT/CULTURAL VISIT/ FIELD TRIP/STUDY TOUR/OUT BOUND TRAINING
APPROVAL FORM**

College	Name of the Applicant	Person ID	Date
CGPIT	Chemical Engg. Department	---	08-08-2019

Kindly read the Guidelines for Industrial/Cultural Visit Approval before fill the form

- 1 Type of Visit/Tour : Industrial Visit
- 2 Date & Time of Departure : 08-08-2019
- 3 Date & Time of Arrival : 08-08-2019
- 4 Address & Phone Nos. (for contact) : Nuclear Power Corporation of India (NPCIL)
Kakrapar
- 5 Mode of Travel : Bus (Enclose details in Annexure 1) ✓
- 6 Copy of Approval letter from Industry : Yes (Enclose details in Annexure 2) ✓
- 7 Accompanying Faculty Details and Undertaking Letter : Yes (Enclose details in Annexure 3) ✓
- 8 List of Students Male/Female : Yes (Enclose details in Annexure 4) ✓
- 9 Accommodation Details with Confirmation letter : No (Enclose details in Annexure 5) ✗
- 10 Faculty/Students Trained in First Aid/ Handling Fire Extinguishers : No (Enclose details in Annexure 6) ✗
- 11 Undertaking Letter From Students : Yes (Enclose details in Annexure 7) ✓
- 12 Approval from Programmer Chair/Division Leader (CHOD) : Slame **HEAD**
Department of Chemical Engineering
Chhetubhai Gopalbhai Patel Inst. of Tech.
UKA TARSADIA UNIVERSITY
Maliba Campus, Bardoli-Mahuva Road,
Tal. Mahuva, Dist. Surat-
- 13 Approval from Dean/Director : (Sign with Seal)

Note: The Form should be submitted two weeks prior to the departure

(Check List)

Mode of Travel	Approval - Industry	Faculty Details	Students Details	Undertaking Students	Undertaking Faculty	Accommodation
✓	✓	✓	✓	✓	✓	✗

Slame
2/8/2019
Director
Chhetubhai Gopalbhai Patel Inst. of Tech.
UKA TARSADIA UNIVERSITY
Maliba Campus, Bardoli - Mahuva Road,
Tal. Mahuva, Dist. Surat -



Ref.No:- CGPIT/NPCIL Industrial Visit/2019-20/009

Date: - July 15, 2019

To
The Site Director,
Kakrapar Gujarat Site,
NPCIL

Sub:- Permission for Industrial Visit

Dear Sir,

As you may be aware, Chhotubhai Gopalbhai Patel Institute of technology, Maliba campus, UKA Tarsadia University, Bardoli is one of the reputed Engineering Institution in Gujarat and known for its excellent record in academic and co-curricular activities. The College offers Bachelor of degree courses in ECE, CSE, Mech, Auto, IT, Comp, Chemical Engineering. The state of art facilities and competent faculty provide an excellent climate for the all round development of the students.

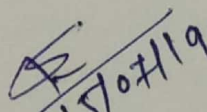
As a part of curriculum, the students are required to undertake Industrial Visits to a reputed industry. We feel it will be fruitful that the students with academic background have a glimpse of the industry in order to have a better appreciation of practical application of theory

In the above background, we would like to send a batch of about **45 students** of Chemical engineering Branch of 3rd year (5th sem) accompanied by **Two staff members** (Shrinivas Tejerao Mundkar, Adhar card number - 589117822074 and Parvathy Chandran, Adhar card number -757748246954) to visit your esteemed industry preferably on / during **5 Aug 2019-- 10 Aug 2019** (preferably on Saturday) .

I request you to kindly accord the necessary permission for the above visit and arrange guiding the students. We assure you that our students will observe the rule and regulations that are prescribed by your company for the visitors and will in no way disturb the functioning of the company during their visit.

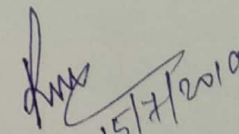
We shall be grateful for a favorable response.

Thanking You


Organizer

Shrinivas T. Mundkar
Assistant Professor
Chemical Engg. Department




Director

Dr. Rajkumar Patil
CGPIT, UTU, Bardoli



Constituent College of
UKA TARSADIA
university
Imparting Knowledge. Awakenning Wisdom. Transforming Lives.
Established under Gujarat Private University
(Amendment) Act No. 25 - 2011 Government
of Gujarat and approved under section 22 of

Maliba Campus, Gopal Vidyanagar, Bardoli - Mahuva Road,
Dist. Surat. Pin - 394 350, Gujarat (India)
Telefax: +91-2625-292339 E-mail: director.cgpit@utu.ac.in

Approved by All India Council for Technical Education

Annexure 1**Mode of Travel**

Sl.No	Details	Mode of Travel	Travel Details with Phone number of Agent and Driver Phone Number	Responsible Person Handling
1.	UTU , Bardioli to Surat	UTU Bus	Rakesh Bhai 9726000603	Prof. Shrinivas T. Mundkar Prof. Parvathy Chandran



न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इंडिया लि.
Nuclear Power Corporation of India Limited
(भारत सरकार का उद्यम A Government of India Enterprise)
काकरापार गुजरात स्थल **KAKRAPAR GUJARAT SITE**
डाक अणुमाला, वाया व्यारा, जिला तापी (गुजरात) - 394651
PO: Anumala, Via : Vyara, Dist : Tapi, Gujarat – 394651

एम वी परीख **M V Parikh** फोन **02626-242027**
प्रशिक्षण अधीक्षक **Training Superintendent** Phone **M : 09427107605**
फैक्स Fax **: 02626-230716/234266**

Ref: KAPS/TS/2019/S/90

23/07/2019

सेवा में
डॉ. आर वी पाटील,
निदेशक,
सी जी पटेल इंस्टीट्यूट ऑफ टेक्नालजी,
बारडोली |

विषय : काकरापार परमाणु विद्युत केंद्र का भ्रमण
Sub. : Visit of Kakrapar Atomic Power Station

महोदय Sir,

उपर्युक्त विषय पर इस विद्युत केंद्र के नीचे दिए गए कार्यक्रम के अनुसार काकरापार परमाणु विद्युत केंद्र (केएपीएस) संयंत्र स्थल का भ्रमण अनुमोदित है।

As per the above subject your visit to KAPS Plant as per the schedule given below is approved:

तारीख Date	रिपोर्ट करने का समय Reporting Time	आगंतुकों का विवरण Description of Visitors	संख्या Nos.
08/08/2019	09:30 Hrs.	विद्यार्थी एवं शिक्षकगण	47
13/08/2019		Students & Faculties	33

हमारे संयंत्र स्थल का परिसर निषिद्ध क्षेत्र है। इस कारण कृपया ध्यान रखें कि कोई इलेक्ट्रॉनिक वस्तु, जैसे-मोबाइल/सेलुलर फोन, पेन ड्राइव, कैमरा, आदि संयंत्र स्थल परिसर के भीतर लाने की अनुमति नहीं है।

Since our plant premises are a prohibited zone, it may please be noted that any electronic items like Mobile/Cellular phones, Pen drive, camera etc. will not be permitted to bring INSIDE the Plant premises.

सुरक्षा अनुमति के लिए सभी विद्यार्थी एवं शिक्षकगण को अपना पहचान पत्र एवं उसकी एक जेराक्स प्रति साथ लाने का अनुरोध किया जाता है।

You are requested to carry the original as well as one Xerox copy of ID card of all the students and faculties for security clearances.

संयंत्र दौरे/भ्रमण में साथ देकर समन्वय करने वाले संकाय का नाम सूचित करने हेतु आपको सलाह दी जाती है।

You are further advised to give the Name of the faculty who will accompany & coordinate the visit.

विद्यार्थियों एवं शिक्षकगण के लिए नास्ता और दोपहर के भोजन की व्यवस्था हमारे विभाग द्वारा की गई है।

Snacks & Lunch is arranged by the department for students & faculties.

कृपया शिक्षकगण को सलाह दें कि वे संयंत्र स्थल पहुंचने के बाद मुझसे मिल लें।

You may please advise the faculty to meet the undersigned after reaching KAPS Plant Site.

धन्यवाद।

Thanking you,

एम वी परीख M V Parikh
प्रशिक्षण अधीक्षक Trg. Supdt.

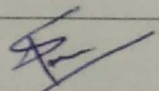
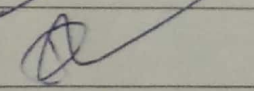
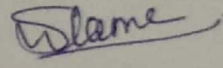
Accompanying Faculty

Annexure 3

Sl.No	Name of the Faculty/ Designation	Male/Fe male	Contact Mobile Number and Email	Alternate Contact In case of Emergency
1.	Prof. Shrinivas T. Mundkar	Male	7041669647 Shrinivas.mundkar@utu.ac.in	-
2.	Prof. Parvathy Chandran	Female	7874666077 Parvathy.chandran@utu.ac.in	-
	Prof. Susmit Ilame	Male	Susmit.ilame@utu.ac.in 8601164573	

UNDERTAKING LETTER – FACULTY

We here-by undertake that the Industrial Visit/ Cultural Visit/ Field Trip/ Study Tour/ Out bound Training is purely academic related and at any case. We shall undertake full responsibility of the student's actions and behaviour at all times during the course of Industrial Visit/Cultural Visit/ Field Trip/Study Tour/Out bound Training. We further undertake not to breach the safety guidelines of the Uka Tarsadia University at any cost.

Sl. No	Department	Faculty Name	Signature
1.	Chemical Engg.	Prof. Shrinivas T. Mundkar	
2.	Chemical Engg.	Prof. Parvathy Chandran	
3	Chemical Engg.	Prof. Susmit Ilame	

Students list 5th semester (2019-20)

Sr.	Enrolment no.	Name Of Student	Mobile No.	Gender
1	201703102010001	Rutvik Ashwinbhai Patel	9726330161	Male
2	201703102010002	Dainik Himmatbhai Savaliya	9773207438	Male
3	201703102010003	Mohit Ratilal Kundariya	8140676848	Male
4	201703102010005	Smit Rajendrakumar Patel	9537283241	Male
5	201703102010006	Kenalkumar Kaushikkumar Patel	8999579056	Male
6	201703102010008	Manav Rakeshbhai Dave	9408767240	Male
7	201703102010009	Saif Rafik Shaikh	9904541439	Male
8	201703102010010	Shrinath Jagdish Chikodikar	8128747018	Male
9	201703102010011	Harshit Ganeshbhai Upadhyay	9106395204	Male
10	201703102010012	Rutveek Narendrabhai Patel	8000992583	Male
11	201703102010013	Sahilkumar Sanjaybhai Ghetiya	7202961303	Male
12	201703102010014	Hiren Rameshbhai Suhagiya	7801895388	Male
13	201703102010015	RajatBalvantbhai Gundarniya	9712600484	Male
14	201703102010016	Jainul Hareshbhai Bhingradiya	7874641881	Male
15	201703102010017	Brijeshkumar Ashokbhai Patel	9724493334	Male
16	201703102010018	Dhruvitkumar Manojbhai Patel	7698431061	Male
17	201703102010019	Parthkumar Navinbhai Patel	9106800283	Male
18	201703102010020	Montu Ashokkumar Rawal	9601082852	Male
19	201703102010022	Yuvrajsinh Pravinsinh Panjrolia	9265586221	Male
20	201703102010025	Ankit Balkrishna Patidar	9408605224	Male
21	201703102010027	Daksh Nitinbhai Patel	7202913543	Male
22	201703102010028	Shivanshu Sanjay Sharma	9773112479	Male
23	201703102010030	Kamal Kathiriya	7990154832	Male
24	201703102010031	Jenish Maheshbhai Patel	8511424919	Male
25	201703102010032	Prince Nikunjbhai Patel	9773049148	Male
26	201703102010033	GunjankumarShravanbhai Gurkha	8140891593	Male
27	201703102010034	Nishant Narsinbhai Chaudhary	7575051561	Male
28	201703102010035	Yash Sanjaybhai Vaishnani	9879304854	Male

Sr.	Enrolment no.	Name Of Student	Mobile No.	Gender
29	201703102010037	Darshan Mahendrabhai Chaudhari	7990145445	Male
30	201703102010039	Bhavik Girishbhai Patel	9825732357	Male
31	201703102010040	Bhavin Nitin Vala	9601837092	Male
32	201703102010041	Niket Bharatbhai Radadiya	7990379339	Male
33	201703102010042	Smit Kishorbhai Kansagra	8849600706	Male
34	201703102010043	Darshan Pinakinbhai Sonani	9265325139	Male
35	201703102010044	Romil Kishorbhai Mangukiya	9265716878	Male
36	201703102010045	Monilkumar Prakashbhai Pandya	9106578459	Male
37	201703102010046	Rudresh Vipulbhai Pandya	7202991398	Male
38	201703102010047	Jaimish Viththalbhai Vaghasiya	7265854568	Male
39	201703102010048	Deep Kamleshbhai Patel	7202816211	Male
40	201703102010049	Vivek Nikeshkumar Patel	7383956818	Male
41	201703102010053	Deepak Sadanand Shukla	9054248938	Male
42	201803102020003	Devanshubhai Navinbhai Mistry	9925929658	Male
43	201803102020004	Nirmit Sanjaybhai Lathiya	7405735101	Male
44	201803102020005	Akshar Mukeshbhai Sonani	9714504267	Male
45	201803102020006	Akash Naranbhai Maniya	9104550803	Male

Annexure 5**Accommodation**

Sl.No	Name of Hotel/Guest House	Address and Phone Numbers	Responsible Person Handling	Remarks
1.		NA		

* Attach the accommodation booking copy

Annexure 6**Faculty/Students Trained in First Aid/ Handling Fire Extinguishers**

Sl.No	Emp.id / Reg.No	Name	Mobile Number	Faculty/Student	Remarks
1.	—	—	—	—	—

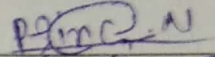
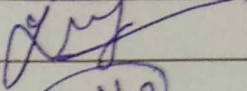
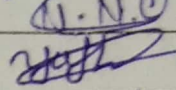
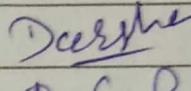
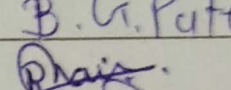
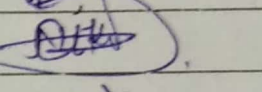
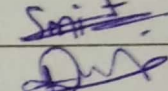
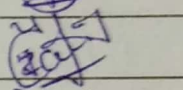
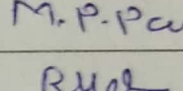
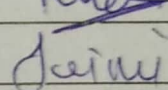
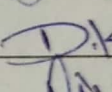
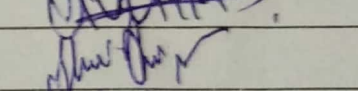
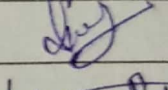
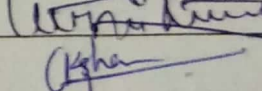
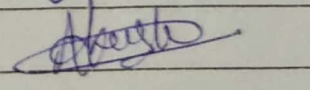
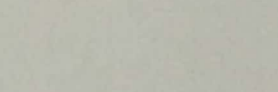
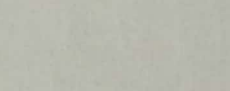




UNDERTAKING LETTER - STUDENTS

Annexure 7

We the students of Chemical Engineering Department at Uka Tarsadia University, Bardoli do here-by undertake that we are going on Industrial Visit/Cultural Visit/ Field Trip/Study Tour/Out Bound Training to – **Nuclear Power Corporation of India (NPCIL) Kakrapar**, organized on date **08/08/2019**, departure date **08/08/2019** time **8:30 A.M.** from Uka Tarsadia University/ Bardoli and arrival on date **08/08/2019** time **3.30 P.M.** at Uka Tarsadia University Bardoli. Faculty and staff of Uka Tarsadia University will not be held responsible for any mishap/eventualities during the trip.

5th semester students List (2019-20)

Sr. No.	Enrolment No.	Name Of Student	Sign of Students
1	201703102010001	Rutvik Ashwinbhai Patel	
2	201703102010002	Dainik Himmatbhai Savaliya	
3	201703102010003	Mohit Ratilal Kundariya	
4	201703102010005	Smit Rajendrakumar Patel	
5	201703102010006	Kenalkumar Kaushikkumar Patel	
6	201703102010008	Manav Rakeshbhai Dave	
7	201703102010009	Saif Rafik Shaikh	
8	201703102010010	Shrinath Jagdish Chikodikar	
9	201703102010011	Harshit Ganeshbhai Upadhyay	
10	201703102010012	Rutveek Narendrabhai Patel	
11	201703102010013	Sahilkumar Sanjaybhai Ghetiya	
12	201703102010014	Hiren Rameshbhai Suhagiya	
13	201703102010015	RajatBalvantbhai Gundarniya	
14	201703102010016	Jainul Hareshbhai Bhingradiya	
15	201703102010017	Brijeshkumar Ashokbhai Patel	
16	201703102010018	Dhruvitkumar Manojbhai Patel	
17	201703102010019	Parthkumar Navinbhai Patel	
18	201703102010020	Montu Ashokkumar Rawal	
19	201703102010022	Yuvrajsinh Pravinsinh Panjroliya	
20	201703102010025	Ankit Balkrishna Patidar	
21	201703102010027	Daksh Nitinbhai Patel	
22	201703102010028	Shivanshu Sanjay Sharma	
23	201703102010030	Kamal Kathiriya	
24	201703102010031	Jenish Maheshbhai Patel	

Sr. No.	Enrolment No.	Name Of Student	Sign of Students
25	201703102010032	Prince Nikunjhai Patel	
26	201703102010033	GunjankumarShravanbhai Gurkha	
27	201703102010034	Nishant Narsinhbhai Chaudhary	
28	201703102010035	Yash Sanjaybhai Vaishnani	
29	201703102010037	Darshan Mahendrabhai Chaudhari	
30	201703102010039	Bhavik Girishbhai Patel	
31	201703102010040	Bhavin Nitin Vala	
32	201703102010041	Niket Bharatbhai Radadiya	
33	201703102010042	Smit Kishorbhai Kansagra	
34	201703102010043	Darshan Pinakinbhai Sonani	
35	201703102010044	Romil Kishorbhai Mangukiya	
36	201703102010045	Monilkumar Prakashbhai Pandya	
37	201703102010046	Rudresh Vipulbhai Pandya	
38	201703102010047	Jaimish Viththalbhai Vaghasiya	
39	201703102010048	Deep Kamleshbhai Patel	
40	201703102010049	Vivek Nikeshkumar Patel	
41	201703102010053	Deepak Sadanand Shukla	
42	201803102020003	Devanshubhai Navinbhai Mistry	
43	201803102020004	Nirmit Sanjaybhai Lathiya	
44	201803102020005	Akshar Mukeshbhai Sonani	
45	201803102020006	Akash Naranbhai Maniya	



Ref.No:- CGPIT/NPCIL Industrial Visit/2019-20/021

Date: - 8th August 2019

To
The Site Director,
NPCIL, Kakrapar
Gujarat

Respected sir,

Thank you so much for our warm reception and your gracious hospitality on our tour during 8th August 2019 to **Nuclear Power Corporation of India (NPCIL) Kakrapar, Gujarat.**

Without your advice and constant attention to detail, we should not have enjoyed ourselves nearly so much. It is our great privilege for our students to be at a place where each and every sector of engineering has a significant presence. This as well boosted our student's confidence.

This visit to **NPCIL** is truly knowledge enhancing. They got a perfect chance to raise their doubt and queries to the right person. Moreover, they could bridge their theory knowledge and practical aspects.

All the arrangement were at par and made our journey relaxed and focused on learning practical thing form the experts.

Dr. Rajkumar V. Patil
Director
CGPIT



Constituent College of
UKA TARSADIA
university

Imparting Knowledge, Awakening Wisdom, Transforming Lives.
Established under Gujarat Private University
(Amendment) Act No. 25 - 2011 Government
of Gujarat and approved under section 22 of
UGC Act 1956.

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Approved by All India Council for Technical Education

About Nuclear Power Corporation of India Limited (NPCIL)

Nuclear Power Corporation of India Limited (NPCIL) is a Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India. The Company was registered as a Public Limited Company under the Companies Act, 1956 in September 1987 with the objectives of operating atomic power plants and implementing atomic power projects for generation of electricity in pursuance of the schemes and programmes of the Government of India under the Atomic Energy Act, 1962. NPCIL also has equity participation in BHAVINI, another PSU of Department of Atomic Energy (DAE) which implements Fast Breeder Reactors programme in the country. NPCIL is responsible for design, construction, commissioning and operation of nuclear power reactors. NPCIL is a MoU signing, profit making and dividend paying company with the highest level of credit rating (AAA rating by CRISIL and CARE). NPCIL is presently operating 22 commercial nuclear power reactors with an installed capacity of 6780 MW. The reactor fleet comprises two Boiling Water Reactors (BWRs) and 18 Pressurised Heavy Water Reactors (PHWRs) including one 100 MW PHWR at Rajasthan which is owned by DAE, Government of India and two 1000 MW VVER reactor KKNPS-1&2, in this, latest addition to the fleet is the unit-2 of Kudankulam Nuclear Power Station, a 1000 MW VVER (Pressurised Water Reactor type), which has started its commercial operation on March 31, 2017. Currently NPCIL has Eight reactors under various stages of construction totaling 6200 MW capacity. Pre-project activities at new sites, which were accorded 'in principle' approval by the Government, have been initiated so as to enable early launch of projects at these sites. Being a responsible corporate citizen, NPCIL accomplishes CSR activities and implements projects related to Sustainable Development (SD). The company is compliance to Corporate Governance as per guidelines issued by Department of Public Enterprises (DPE).

Kakrapar Atomic Power Station is a nuclear power station in India, which lies in the proximity of the city of Vyara in the state of Gujarat. It consists of two 220 MW pressurized water reactors with heavy water as moderator (PHWR). The construction costs originally were estimated to be 3.8252 billion rupees, the plant was finally finished at a price of 13.35 billion rupees. Construction of units 3&4 started in November 2010. In January 2003, KAPS Unit-1 went critical on 3 September 1992 because of a leakage in the cooling loop and began commercial electricity production a few months later on 6 May 1993. KAPS Unit-2 went critical on 8 January 1995 and began commercial production in September 1, 1995. CANDU Owners Group (COG) declared K.A.P.S. as the best performing pressurized heavy water reactor

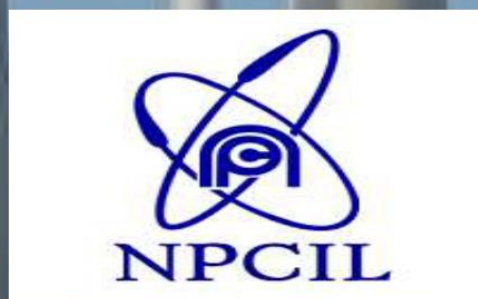
Nuclear power corporation of India limited(NPCIL) is Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India. It was established on 17th September, 1987. There are 20 units running under the NPCIL all over the India. Approximated installed capacity is 4780Mwe. All the Nuclear power plants are ISO-14001 and IS-18001 certified. The nuclear power plants under NPCIL are situated at Tarapur, Rawatbhata, Kalpakkum, Narora, Kakrapar and Kaiga. The type of reactors is BWR or PHWR.



UKA TARSADIA UNIVERSITY
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CHEMICAL ENGINEERING DEPARTMENT

// Industrial Visit on 8th August 2019 //

TO



NUCLEAR POWER CORPORATION OF INDIA
(NPCIL) KAKRAPAR, GUJARAT



Group Photo at CGPIT



Group Photo with CISF at NPCILL